

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:	Q1328	OrderDate:	2/7/2025 8:40:00 AM
Client:	Chemtech Consulting Group	Project:	Weekly Storage Blanks
Contact:	QA Officer	Location:	D11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1328-01	Storage-Blank-SOIL-R EF-6	Water			02/07/25			02/07/25
			VOC- Chemtech Full	8260-Low			02/10/25	
Q1328-02	Storage-Blank-WATER -Ref-5	Water			02/07/25			02/07/25
			VOC- Chemtech Full	8260-Low			02/10/25	
Q1328-03	Storage-Blank-WATER -REF-4	Water			02/07/25			02/07/25
			VOC- Chemtech Full	8260-Low			02/10/25	
Q1328-04	Storage-Blank-SAMLE -MANAGEMENT	Water			02/07/25			02/07/25
			VOC- Chemtech Full	8260-Low			02/10/25	



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q1328

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:



QC SUMMARY

Surrogate Summary

SDG No.: Q1328

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1328-01	Storage-Blank-SOIL-REF-6	1,2-Dichloroethane-d4	50	49.9	100	74	125
		Dibromofluoromethane	50	51.3	103	75	124
		Toluene-d8	50	49.4	99	86	113
		4-Bromofluorobenzene	50	44.4	89	77	121
Q1328-02	Storage-Blank-WATER-Ref-5	1,2-Dichloroethane-d4	50	49.5	99	74	125
		Dibromofluoromethane	50	51.0	102	75	124
		Toluene-d8	50	49.4	99	86	113
		4-Bromofluorobenzene	50	46.0	92	77	121
Q1328-03	Storage-Blank-WATER-REF-4	1,2-Dichloroethane-d4	50	50.3	101	74	125
		Dibromofluoromethane	50	51.7	103	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	43.8	88	77	121
Q1328-04	Storage-Blank-SAMLE-MANAGEMEN	1,2-Dichloroethane-d4	50	51.6	103	74	125
		Dibromofluoromethane	50	51.9	104	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	44.7	89	77	121
VN0210WBL01	VN0210WBL01	1,2-Dichloroethane-d4	50	47.8	96	74	125
		Dibromofluoromethane	50	50.2	100	75	124
		Toluene-d8	50	48.3	97	86	113
		4-Bromofluorobenzene	50	44.2	88	77	121
VN0210WBS01	VN0210WBS01	1,2-Dichloroethane-d4	50	39.3	79	74	125
		Dibromofluoromethane	50	44.5	89	75	124
		Toluene-d8	50	44.5	89	86	113
		4-Bromofluorobenzene	50	46.6	93	77	121
VN0210WBSD0	VN0210WBSD01	1,2-Dichloroethane-d4	50	49.9	100	74	125
		Dibromofluoromethane	50	54.4	109	75	124
		Toluene-d8	50	54.6	109	86	113
		4-Bromofluorobenzene	50	57.5	115	77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1328

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Datafile : VN085721.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0210WBS01	Dichlorodifluoromethane	20	20.4	ug/L	102			69	116	
	Chloromethane	20	17.7	ug/L	89			65	116	
	Vinyl chloride	20	18.8	ug/L	94			65	117	
	Ethyl Acetate	20	14.9	ug/L	75			75	115	
	Bromomethane	20	18.5	ug/L	93			58	125	
	Chloroethane	20	18.0	ug/L	90			56	128	
	Trichlorofluoromethane	20	18.0	ug/L	90			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/L	94			80	112	
	Tert butyl alcohol	100	86.7	ug/L	87			73	124	
	1,1-Dichloroethene	20	18.9	ug/L	95			74	110	
	Acrolein	100	50.6	ug/L	51			51	143	
	Acrylonitrile	100	82.7	ug/L	83			73	113	
	Acetone	100	78.6	ug/L	79			60	125	
	Carbon disulfide	20	18.0	ug/L	90			64	112	
	Methyl tert-butyl Ether	20	17.9	ug/L	90			78	114	
	Methyl Acetate	20	15.7	ug/L	79			67	125	
	Methylene Chloride	20	18.2	ug/L	91			72	114	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			75	108	
	Vinyl Acetate	100	81.9	ug/L	82			76	115	
	1,1-Dichloroethane	20	17.2	ug/L	86			78	112	
	Cyclohexane	20	16.6	ug/L	83			75	110	
	2-Butanone	100	78.5	ug/L	79			65	122	
	Carbon Tetrachloride	20	18.0	ug/L	90			77	113	
	2,2-Dichloropropane	20	19.0	ug/L	95			75	116	
	cis-1,2-Dichloroethene	20	17.8	ug/L	89			77	110	
	Bromochloromethane	20	16.3	ug/L	81			70	124	
	Chloroform	20	17.4	ug/L	87			79	113	
	1,1,1-Trichloroethane	20	17.5	ug/L	88			80	108	
	Methylcyclohexane	20	18.5	ug/L	93			72	115	
	1,1-Dichloropropene	20	17.7	ug/L	89			79	110	
	Benzene	20	18.3	ug/L	92			82	109	
	1,2-Dichloroethane	20	16.5	ug/L	83			80	115	
	Trichloroethene	20	18.5	ug/L	93			77	113	
	1,2-Dichloropropane	20	17.2	ug/L	86			83	111	
	Dibromomethane	20	17.3	ug/L	86			82	110	
	Bromodichloromethane	20	17.7	ug/L	89			83	110	
	4-Methyl-2-Pentanone	100	81.4	ug/L	81			74	118	
	Toluene	20	19.4	ug/L	97			82	110	
	t-1,3-Dichloropropene	20	17.9	ug/L	90			79	110	
	cis-1,3-Dichloropropene	20	18.3	ug/L	92			82	110	
	1,1,2-Trichloroethane	20	18.3	ug/L	92			83	112	
	1,3-Dichloropropane	20	17.9	ug/L	90			83	111	
	2-Chloroethyl vinyl ether	100	86.5	ug/L	87			75	124	
	2-Hexanone	100	82.2	ug/L	82			73	117	
	Dibromochloromethane	20	18.1	ug/L	91			82	110	
	1,2-Dibromoethane	20	18.2	ug/L	91			81	110	
	Tetrachloroethene	20	19.7	ug/L	99			67	123	
	Chlorobenzene	20	18.6	ug/L	93			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1328

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Datafile : VN085721.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0210WBS01	1,1,1,2-Tetrachloroethane	20	17.9	ug/L	90			84	111	
	Hexachloroethane	20	17.1	ug/L	86			80	113	
	Ethyl Benzene	20	18.7	ug/L	94			83	109	
	m/p-Xylenes	40	40.0	ug/L	100			82	110	
	o-Xylene	20	19.3	ug/L	97			83	109	
	Styrene	20	19.7	ug/L	99			80	111	
	Bromoform	20	19.1	ug/L	96			79	109	
	Isopropylbenzene	20	18.6	ug/L	93			83	112	
	1,1,2,2-Tetrachloroethane	20	16.9	ug/L	85			76	118	
	1,2,3-Trichloropropane	20	18.5	ug/L	93			75	112	
	Bromobenzene	20	18.1	ug/L	91			77	116	
	N-propylbenzene	20	18.6	ug/L	93			83	112	
	2-Chlorotoluene	20	17.9	ug/L	90			83	110	
	1,3,5-Trimethylbenzene	20	19.0	ug/L	95			85	112	
	4-Chlorotoluene	20	18.5	ug/L	93			82	110	
	tert-Butylbenzene	20	18.2	ug/L	91			83	112	
	1,2,4-Trimethylbenzene	20	19.3	ug/L	97			85	111	
	Sec-butylbenzene	20	18.9	ug/L	95			81	114	
	p-Isopropyltoluene	20	19.0	ug/L	95			78	116	
	1,3-Dichlorobenzene	20	18.5	ug/L	93			82	108	
	1,4-Dichlorobenzene	20	17.6	ug/L	88			82	107	
	n-Butylbenzene	20	17.8	ug/L	89			75	115	
	1,2-Dichlorobenzene	20	17.8	ug/L	89			82	109	
	1,2-Dibromo-3-Chloropropane	20	17.2	ug/L	86			68	112	
	1,2,4-Trichlorobenzene	20	17.4	ug/L	87			75	113	
	Hexachlorobutadiene	20	17.7	ug/L	89			81	121	
	Naphthalene	20	16.2	ug/L	81			78	119	
	1,2,3-Trichlorobenzene	20	17.2	ug/L	86			76	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1328

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Datafile : VN085733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0210WBSD01	Dichlorodifluoromethane	20	22.3	ug/L	112	9		69	116	20
	Chloromethane	20	20.4	ug/L	102	14		65	116	20
	Vinyl chloride	20	21.6	ug/L	108	14		65	117	20
	Ethyl Acetate	20	18.4	ug/L	92	20		75	115	20
	Bromomethane	20	20.7	ug/L	104	11		58	125	20
	Chloroethane	20	21.1	ug/L	106	16		56	128	20
	Trichlorofluoromethane	20	20.6	ug/L	103	13		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/L	104	10		80	112	20
	Tert butyl alcohol	100	110	ug/L	110	23	*	73	124	20
	1,1-Dichloroethene	20	21.8	ug/L	109	14		74	110	20
	Acrolein	100	95.2	ug/L	95	60	*	51	143	20
	Acrylonitrile	100	100	ug/L	100	19		73	113	20
	Acetone	100	91.9	ug/L	92	15		60	125	20
	Carbon disulfide	20	20.1	ug/L	101	12		64	112	20
	Methyl tert-butyl Ether	20	21.2	ug/L	106	16		78	114	20
	Methyl Acetate	20	19.2	ug/L	96	19		67	125	20
	Methylene Chloride	20	20.8	ug/L	104	13		72	114	20
	trans-1,2-Dichloroethene	20	21.3	ug/L	106	13		75	108	20
	Vinyl Acetate	100	96.7	ug/L	97	17		76	115	20
	1,1-Dichloroethane	20	19.9	ug/L	100	15		78	112	20
	Cyclohexane	20	18.3	ug/L	92	10		75	110	20
	2-Butanone	100	95.2	ug/L	95	18		65	122	20
	Carbon Tetrachloride	20	20.3	ug/L	102	13		77	113	20
	2,2-Dichloropropane	20	21.2	ug/L	106	11		75	116	20
	cis-1,2-Dichloroethene	20	21.0	ug/L	105	16		77	110	20
	Bromochloromethane	20	22.4	ug/L	112	32	*	70	124	20
	Chloroform	20	19.9	ug/L	100	14		79	113	20
	1,1,1-Trichloroethane	20	20.7	ug/L	104	17		80	108	20
	Methylcyclohexane	20	20.1	ug/L	101	8		72	115	20
	1,1-Dichloropropene	20	19.7	ug/L	99	11		79	110	20
	Benzene	20	21.1	ug/L	106	14		82	109	20
	1,2-Dichloroethane	20	19.5	ug/L	98	17		80	115	20
	Trichloroethene	20	20.8	ug/L	104	11		77	113	20
	1,2-Dichloropropane	20	19.6	ug/L	98	13		83	111	20
	Dibromomethane	20	20.1	ug/L	101	16		82	110	20
	Bromodichloromethane	20	20.3	ug/L	102	14		83	110	20
	4-Methyl-2-Pentanone	100	98.7	ug/L	99	20		74	118	20
	Toluene	20	22.1	ug/L	111	13	*	82	110	20
	t-1,3-Dichloropropene	20	20.7	ug/L	104	14		79	110	20
	cis-1,3-Dichloropropene	20	21.1	ug/L	106	14		82	110	20
	1,1,2-Trichloroethane	20	21.3	ug/L	106	14		83	112	20
	1,3-Dichloropropane	20	20.6	ug/L	103	13		83	111	20
	2-Chloroethyl vinyl ether	100	110	ug/L	110	23	*	75	124	20
	2-Hexanone	100	100	ug/L	100	20		73	117	20
	Dibromochloromethane	20	21.1	ug/L	106	15		82	110	20
	1,2-Dibromoethane	20	21.2	ug/L	106	15		81	110	20
	Tetrachloroethene	20	21.3	ug/L	106	7		67	123	20
	Chlorobenzene	20	20.8	ug/L	104	11		82	109	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1328

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Datafile : VN085733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0210WBSD01	1,1,1,2-Tetrachloroethane	20	20.8	ug/L	104	14		84	111	20
	Hexachloroethane	20	19.2	ug/L	96	11		80	113	20
	Ethyl Benzene	20	21.8	ug/L	109	15		83	109	20
	m/p-Xylenes	40	45.3	ug/L	113	12	*	82	110	20
	o-Xylene	20	23.0	ug/L	115	17	*	83	109	20
	Styrene	20	22.7	ug/L	114	14	*	80	111	20
	Bromoform	20	22.1	ug/L	111	14	*	79	109	20
	Isopropylbenzene	20	23.0	ug/L	115	21	*	83	112	20
	1,1,2,2-Tetrachloroethane	20	20.8	ug/L	104	20		76	118	20
	1,2,3-Trichloropropane	20	19.1	ug/L	96	3		75	112	20
	Bromobenzene	20	21.6	ug/L	108	17		77	116	20
	N-propylbenzene	20	22.1	ug/L	111	18		83	112	20
	2-Chlorotoluene	20	21.7	ug/L	109	19		83	110	20
	1,3,5-Trimethylbenzene	20	22.5	ug/L	113	17	*	85	112	20
	4-Chlorotoluene	20	21.4	ug/L	107	14		82	110	20
	tert-Butylbenzene	20	23.0	ug/L	115	23	*	83	112	20
	1,2,4-Trimethylbenzene	20	23.2	ug/L	116	18	*	85	111	20
	Sec-butylbenzene	20	23.1	ug/L	116	20	*	81	114	20
	p-Isopropyltoluene	20	23.2	ug/L	116	20		78	116	20
	1,3-Dichlorobenzene	20	21.5	ug/L	108	15		82	108	20
	1,4-Dichlorobenzene	20	19.9	ug/L	100	13		82	107	20
	n-Butylbenzene	20	22.8	ug/L	114	25	*	75	115	20
	1,2-Dichlorobenzene	20	21.1	ug/L	106	17		82	109	20
	1,2-Dibromo-3-Chloropropane	20	20.8	ug/L	104	19		68	112	20
	1,2,4-Trichlorobenzene	20	21.8	ug/L	109	22	*	75	113	20
	Hexachlorobutadiene	20	18.8	ug/L	94	5		81	121	20
	Naphthalene	20	24.8	ug/L	124	42	*	78	119	20
	1,2,3-Trichlorobenzene	20	20.9	ug/L	104	19		76	114	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0210WBL01

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328

SAS No.: Q1328 SDG NO.: Q1328

Lab File ID: VN085720.D

Lab Sample ID: VN0210WBL01

Date Analyzed: 02/10/2025

Time Analyzed: 13:12

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
VN0210WBS01	VN0210WBS01	VN085721.D	02/10/2025
Storage-Blank-SOIL-REF-6	Q1328-01	VN085727.D	02/10/2025
Storage-Blank-WATER-Ref-5	Q1328-02	VN085728.D	02/10/2025
Storage-Blank-WATER-REF-4	Q1328-03	VN085729.D	02/10/2025
Storage-Blank-SAMPLE-MANAGEMENT	Q1328-04	VN085730.D	02/10/2025
VN0210WBSD01	VN0210WBSD01	VN085733.D	02/10/2025

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02
Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328
Lab File ID: VN085437.D BFB Injection Date: 01/14/2025
Instrument ID: MSVOA_N BFB Injection Time: 14:22
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	22.3
75	30.0 - 60.0% of mass 95	58
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	76
175	5.0 - 9.0% of mass 174	5.4 (7.1) 1
176	95.0 - 101.0% of mass 174	74.1 (97.4) 1
177	5.0 - 9.0% of mass 176	4.9 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085438.D	01/14/2025	14:56
VSTDICCC050	VSTDICCC050	VN085439.D	01/14/2025	15:19
VSTDICC020	VSTDICC020	VN085440.D	01/14/2025	15:43
VSTDICC010	VSTDICC010	VN085441.D	01/14/2025	16:07
VSTDICC005	VSTDICC005	VN085442.D	01/14/2025	16:31
VSTDICC001	VSTDICC001	VN085443.D	01/14/2025	17:19



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02
Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328
Lab File ID: VN085717.D BFB Injection Date: 02/10/2025
Instrument ID: MSVOA_N BFB Injection Time: 09:49
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	19.7
75	30.0 - 60.0% of mass 95	52.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.4
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	78.9
175	5.0 - 9.0% of mass 174	5.5 (6.9) 1
176	95.0 - 101.0% of mass 174	76.2 (96.6) 1
177	5.0 - 9.0% of mass 176	4.5 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN085718.D	02/10/2025	12:12
VN0210WBL01	VN0210WBL01	VN085720.D	02/10/2025	13:12
VN0210WBS01	VN0210WBS01	VN085721.D	02/10/2025	14:12
Storage-Blank-SOIL-REF-6	Q1328-01	VN085727.D	02/10/2025	16:35
Storage-Blank-WATER-Ref-5	Q1328-02	VN085728.D	02/10/2025	16:59
Storage-Blank-WATER-REF-4	Q1328-03	VN085729.D	02/10/2025	17:23
Storage-Blank-SAMLE-MANAGEMENT	Q1328-04	VN085730.D	02/10/2025	17:47
VN0210WBSD01	VN0210WBSD01	VN085733.D	02/10/2025	18:59

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02
 Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328
 Lab File ID: VN085718.D Date Analyzed: 02/10/2025
 Instrument ID: MSVOA_N Time Analyzed: 12:12
 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	241607	8.22	411898	9.09	357680	11.87
UPPER LIMIT	483214	8.718	823796	9.594	715360	12.365
LOWER LIMIT	120804	7.718	205949	8.594	178840	11.365
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	220063	8.22	405237	9.10	352429	11.87
Storage-Blank-WATER-Ref-5	229831	8.22	425415	9.10	373084	11.87
Storage-Blank-WATER-REF-4	225145	8.22	415405	9.10	357489	11.87
Storage-Blank-SAMLE-MANAGEMENT	215052	8.22	406991	9.10	354283	11.87
VN0210WBL01	252400	8.22	469407	9.10	394938	11.87
VN0210WBS01	320498	8.22	543900	9.10	477598	11.87
VN0210WBSD01	231142	8.22	403589	9.10	358601	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: CHEM02
 Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328
 Lab File ID: VN085718.D Date Analyzed: 02/10/2025
 Instrument ID: MSVOA_N Time Analyzed: 12:12
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	178725	13.788				
UPPER LIMIT	357450	14.288				
LOWER LIMIT	89362.5	13.288				
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	133160	13.79				
Storage-Blank-WATER-Ref-5	146687	13.79				
Storage-Blank-WATER-REF-4	132906	13.79				
Storage-Blank-SAMPLE-MANAGEMENT	136368	13.79				
VN0210WBL01	156176	13.79				
VN0210WBS01	232853	13.79				
VN0210WBSD01	166903	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:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1328
Lab Sample ID:	Q1328-01	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
VN085727.D	1		02/10/25 16:35	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1328
Lab Sample ID:	Q1328-01	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
VN085727.D	1		02/10/25 16:35	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	UQ	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	UQ	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	UQ	0.14	1.00	ug/L
100-42-5	Styrene	0.16	UQ	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	UQ	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	UQ	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1328
Lab Sample ID:	Q1328-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085727.D	1		02/10/25 16:35	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	UQ	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	UQ	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	UQ	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	UQ	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	UQ	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	49.4		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		77 - 121	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	8.224			
540-36-3	1,4-Difluorobenzene	405000	9.1			
3114-55-4	Chlorobenzene-d5	352000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.788			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1328
Lab Sample ID:	Q1328-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085727.D	1		02/10/25 16:35	VN021025

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\VN021025\
 Data File : VN085727.D
 Acq On : 10 Feb 2025 16:35
 Operator : JC\MD
 Sample : Q1328-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Storage-Blank-SOIL-REF-6

Quant Time: Feb 11 03:25:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	220063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	405237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	352429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133160	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	177107	49.857	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.720%
35) Dibromofluoromethane	8.165	113	144221	51.300	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.600%
50) Toluene-d8	10.565	98	493057	49.362	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.720%
62) 4-Bromofluorobenzene	12.847	95	151635	44.378	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.760%

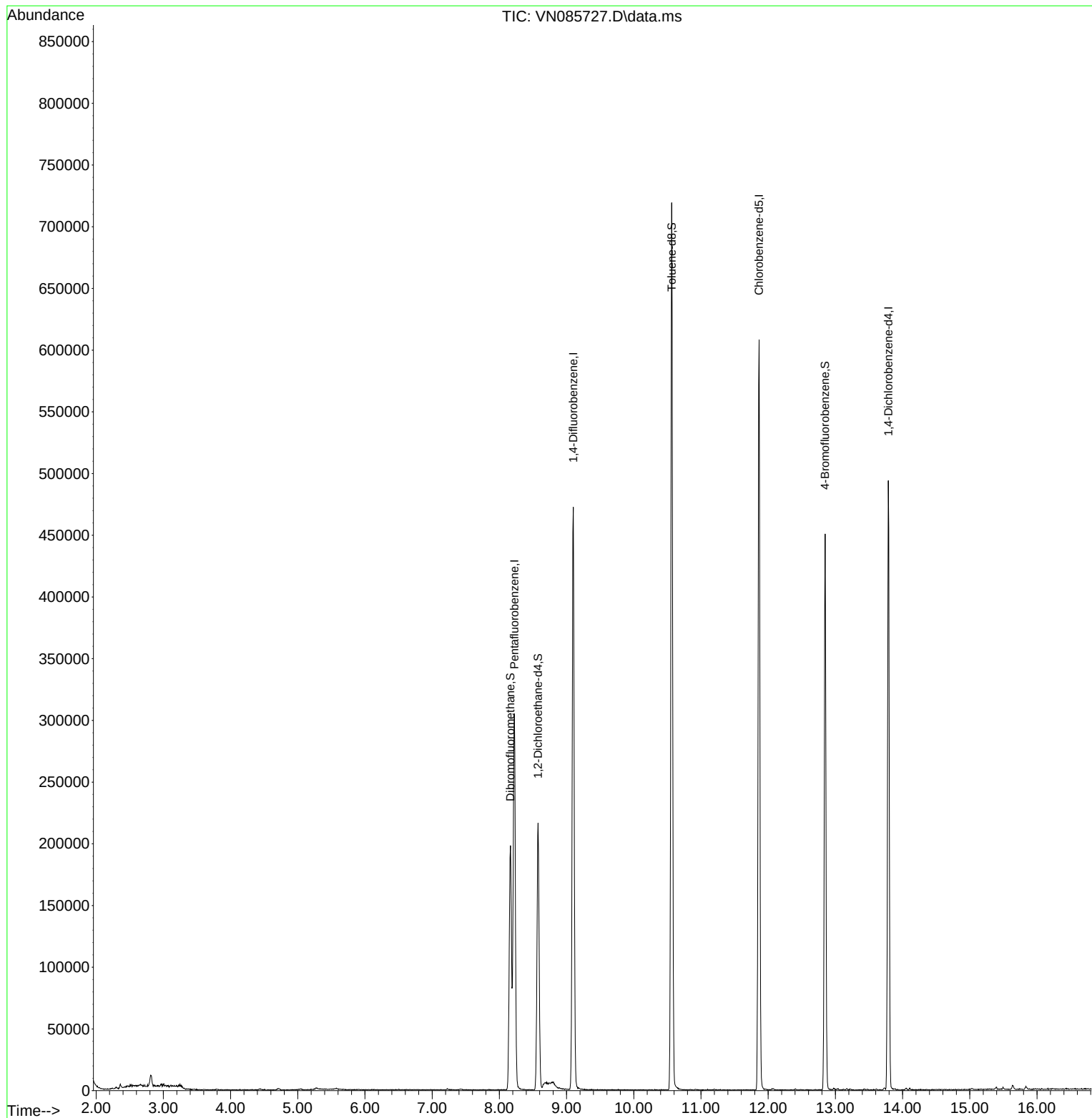
Target Compounds	Qvalue

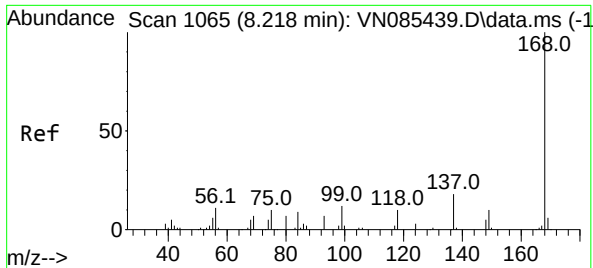
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085727.D
Acq On : 10 Feb 2025 16:35
Operator : JC\MD
Sample : Q1328-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

Quant Time: Feb 11 03:25:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

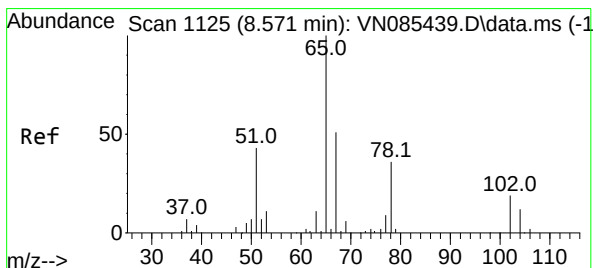
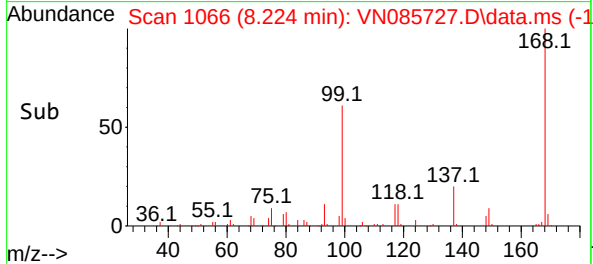
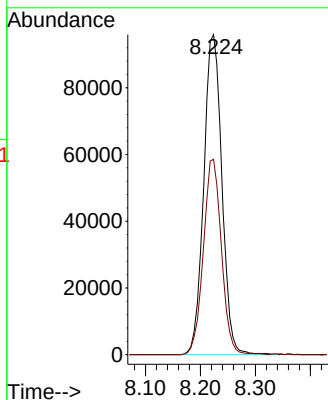
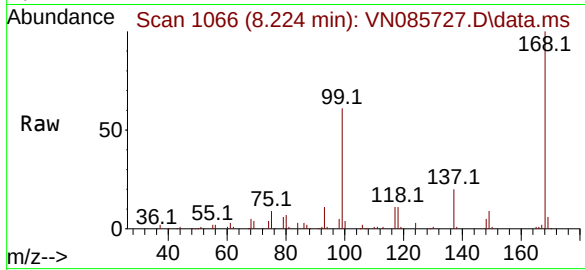




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

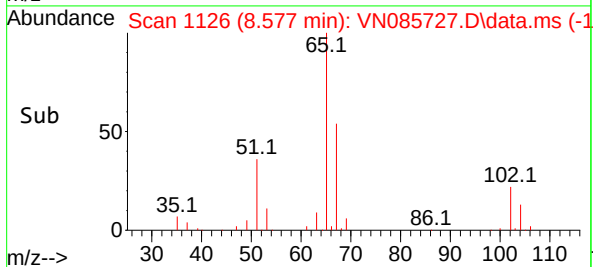
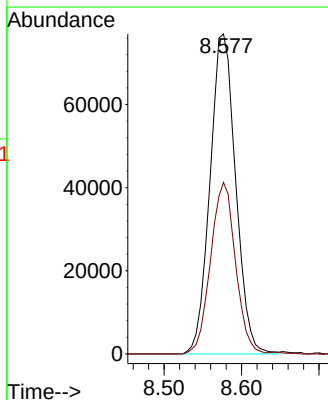
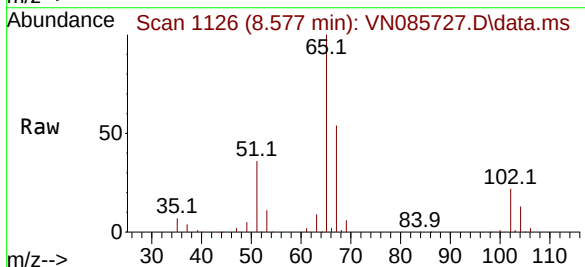
Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

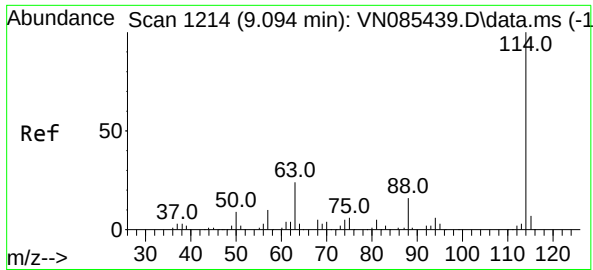
Tgt Ion:168 Resp: 220063
Ion Ratio Lower Upper
168 100
99 61.0 53.6 80.4



#33
1,2-Dichloroethane-d4
Concen: 49.857 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

Tgt Ion: 65 Resp: 177107
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085727.D

Acq: 10 Feb 2025 16:35

Instrument :

MSVOA_N

ClientSampleId :

Storage-Blank-SOIL-REF-6

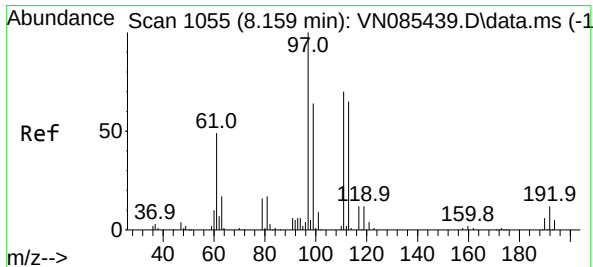
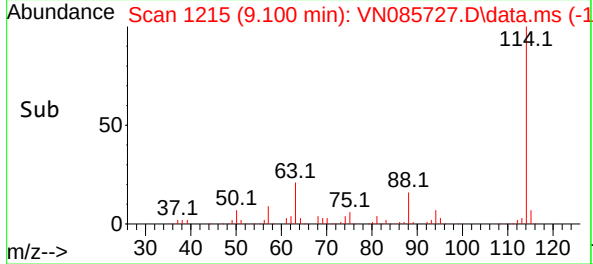
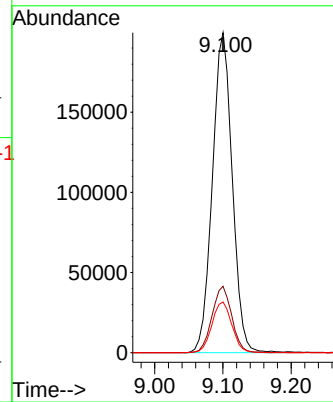
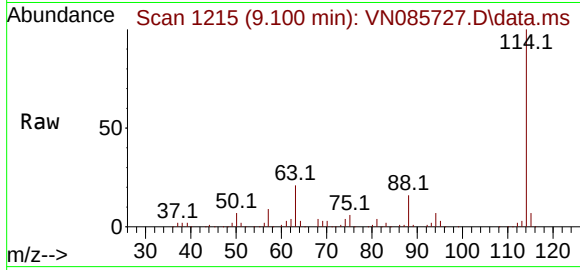
Tgt Ion:114 Resp: 405237

Ion Ratio Lower Upper

114 100

63 20.8 0.0 47.6

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.300 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085727.D

Acq: 10 Feb 2025 16:35

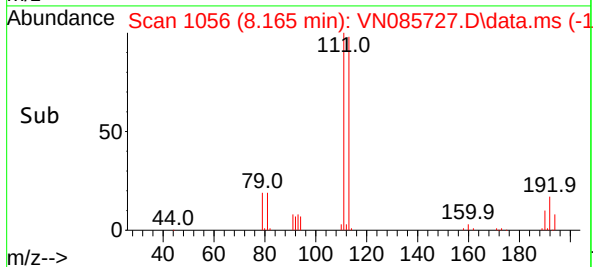
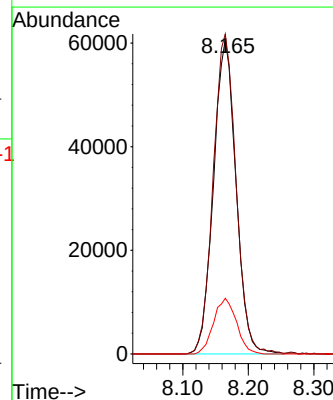
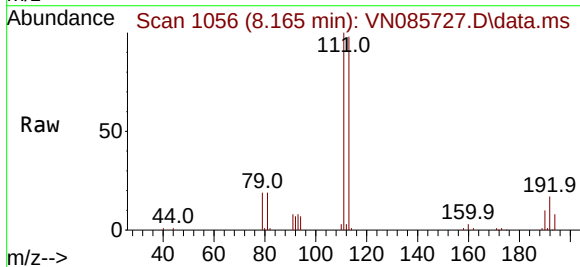
Tgt Ion:113 Resp: 144221

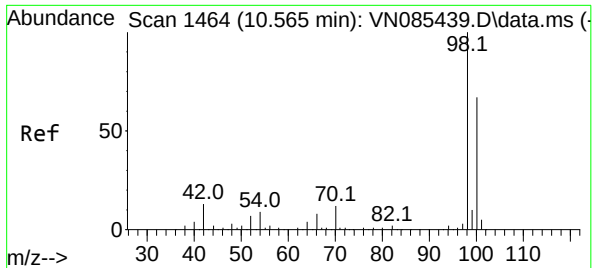
Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

192 18.0 14.3 21.5

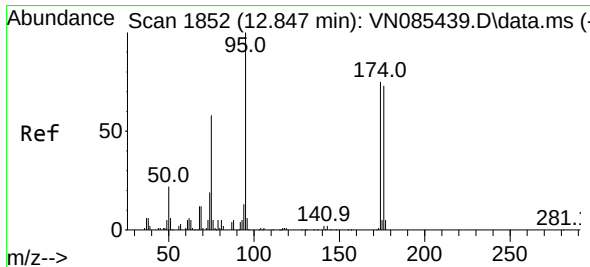
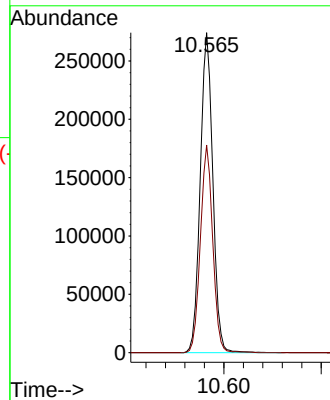
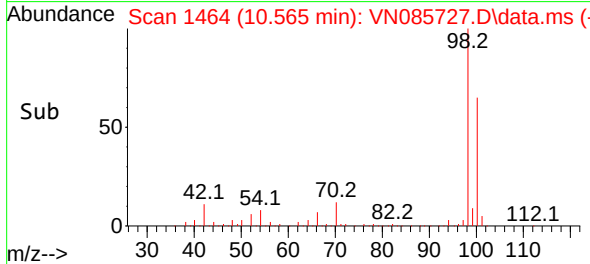
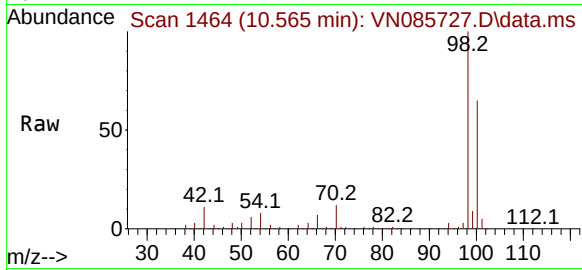




#50
Toluene-d8
Concen: 49.362 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

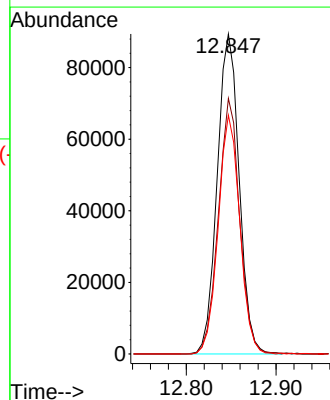
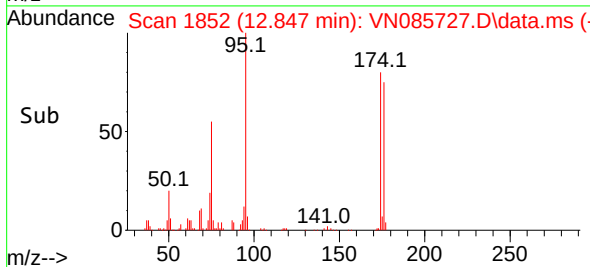
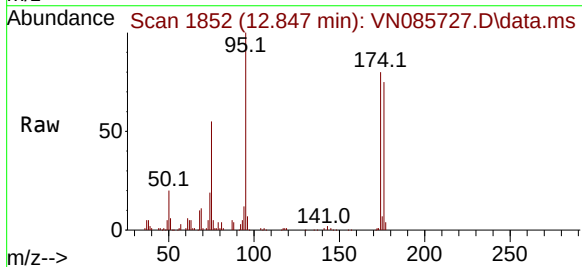
Instrument : MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

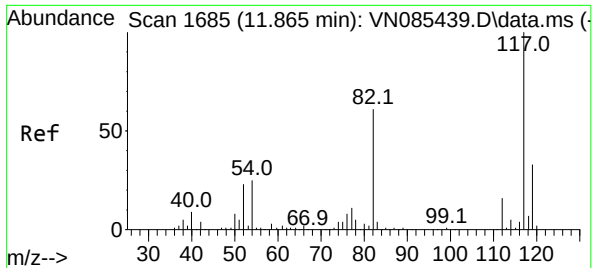
Tgt Ion: 98 Resp: 493057
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 44.378 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

Tgt Ion: 95 Resp: 151635
Ion Ratio Lower Upper
95 100
174 77.9 0.0 145.0
176 73.2 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085727.D

Acq: 10 Feb 2025 16:35

Instrument :

MSVOA_N

ClientSampleId :

Storage-Blank-SOIL-REF-6

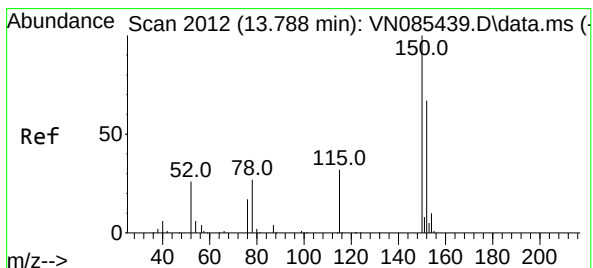
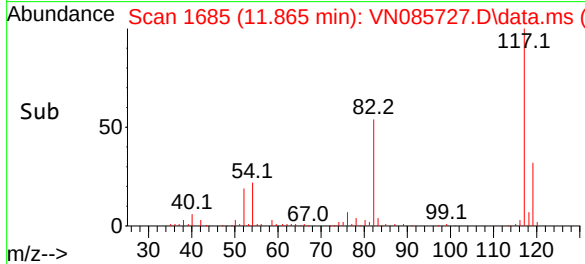
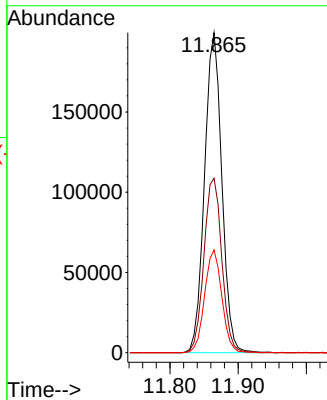
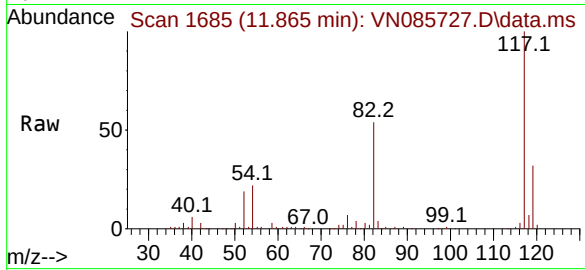
Tgt Ion:117 Resp: 352429

Ion Ratio Lower Upper

117 100

82 54.5 48.6 72.8

119 32.1 26.6 39.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085727.D

Acq: 10 Feb 2025 16:35

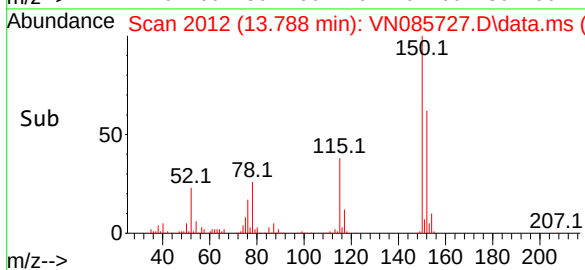
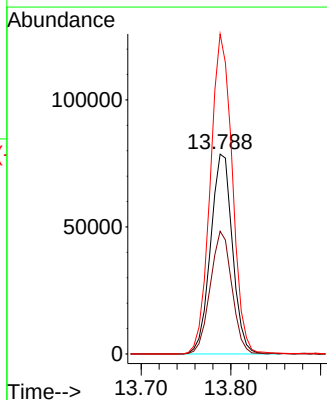
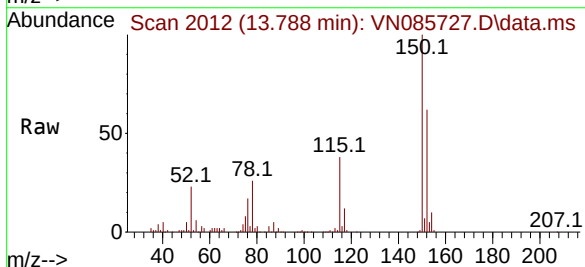
Tgt Ion:152 Resp: 133160

Ion Ratio Lower Upper

152 100

115 60.6 31.1 93.3

150 160.8 0.0 343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085727.D
Acq On : 10 Feb 2025 16:35
Operator : JC\MD
Sample : Q1328-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

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\82N011425W.M

Title : SW846 8260

Signal : TIC: VN085727.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.812	139	146	152	rBV5	9131	19844	1.53%	0.301%
2	8.165	1046	1056	1060	rBV	198031	463278	35.78%	7.033%
3	8.224	1060	1066	1079	rVB	304072	698758	53.97%	10.607%
4	8.577	1116	1126	1135	rBV	216188	481705	37.21%	7.312%
5	9.100	1206	1215	1228	rBV	471812	962111	74.32%	14.605%
6	10.565	1455	1464	1479	rBV	718903	1294638	100.00%	19.653%
7	11.865	1677	1685	1698	rBV	607804	1085975	83.88%	16.485%
8	12.847	1845	1852	1863	rBV	450441	749229	57.87%	11.373%
9	13.788	2005	2012	2025	rBV	493334	832104	64.27%	12.631%

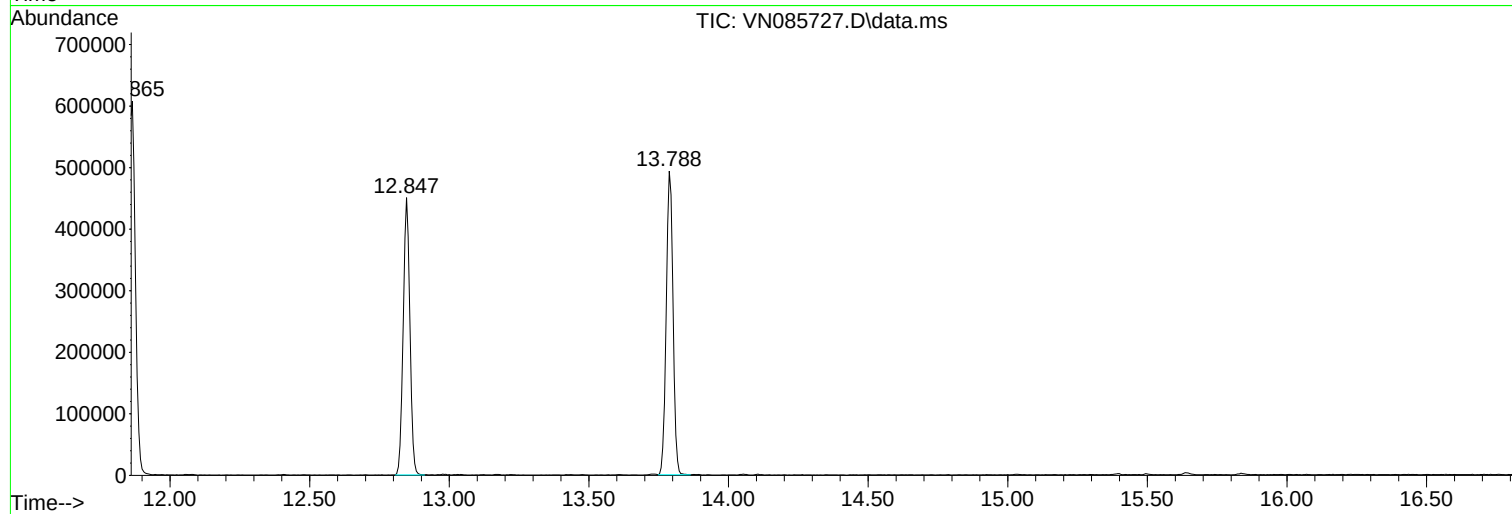
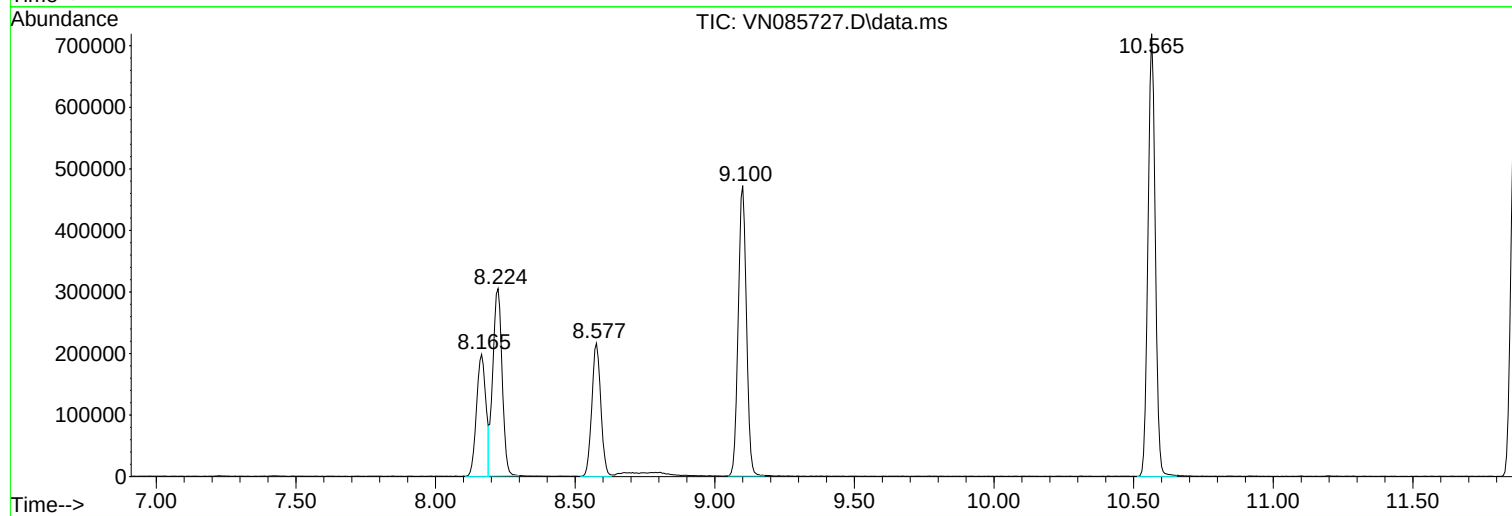
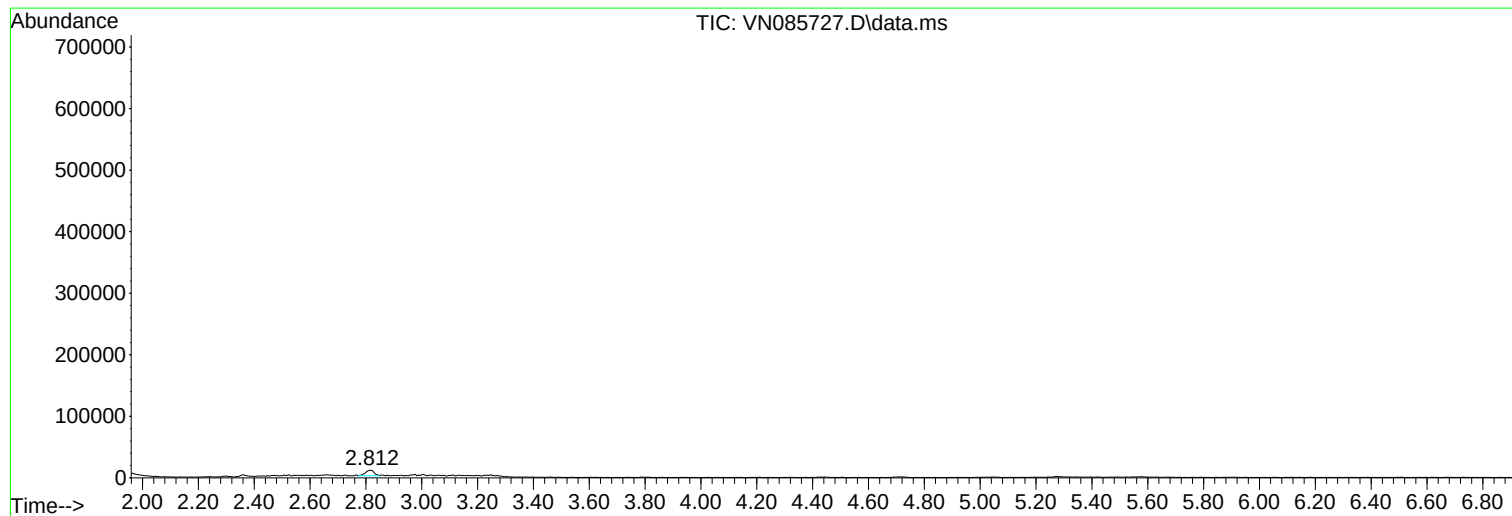
Sum of corrected areas: 6587642

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085727.D
Acq On : 10 Feb 2025 16:35
Operator : JC\MD
Sample : Q1328-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085727.D
Acq On : 10 Feb 2025 16:35
Operator : JC\MD
Sample : Q1328-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.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\VN021025\
Data File : VN085727.D
Acq On : 10 Feb 2025 16:35
Operator : JC\MD
Sample : Q1328-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.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:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-WATER-Ref-5	SDG No.:	Q1328
Lab Sample ID:	Q1328-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085728.D	1		02/10/25 16:59	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-WATER-Ref-5	SDG No.:	Q1328
Lab Sample ID:	Q1328-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085728.D	1		02/10/25 16:59	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	UQ	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	UQ	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	UQ	0.14	1.00	ug/L
100-42-5	Styrene	0.16	UQ	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	UQ	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	UQ	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-WATER-Ref-5	SDG No.:	Q1328
Lab Sample ID:	Q1328-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085728.D	1		02/10/25 16:59	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	UQ	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	UQ	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	UQ	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	UQ	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	UQ	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	49.4		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		77 - 121	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	230000	8.224			
540-36-3	1,4-Difluorobenzene	425000	9.1			
3114-55-4	Chlorobenzene-d5	373000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	147000	13.788			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-WATER-Ref-5	SDG No.:	Q1328
Lab Sample ID:	Q1328-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085728.D	1		02/10/25 16:59	VN021025

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\VN021025\
 Data File : VN085728.D
 Acq On : 10 Feb 2025 16:59
 Operator : JC\MD
 Sample : Q1328-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Storage-Blank-WATER-Ref-5

Quant Time: Feb 11 03:26:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	229831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	425415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	373084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	183516	49.466	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.940%
35) Dibromofluoromethane	8.165	113	150571	51.018	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.040%
50) Toluene-d8	10.565	98	517689	49.369	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.740%
62) 4-Bromofluorobenzene	12.847	95	164897	45.971	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.940%

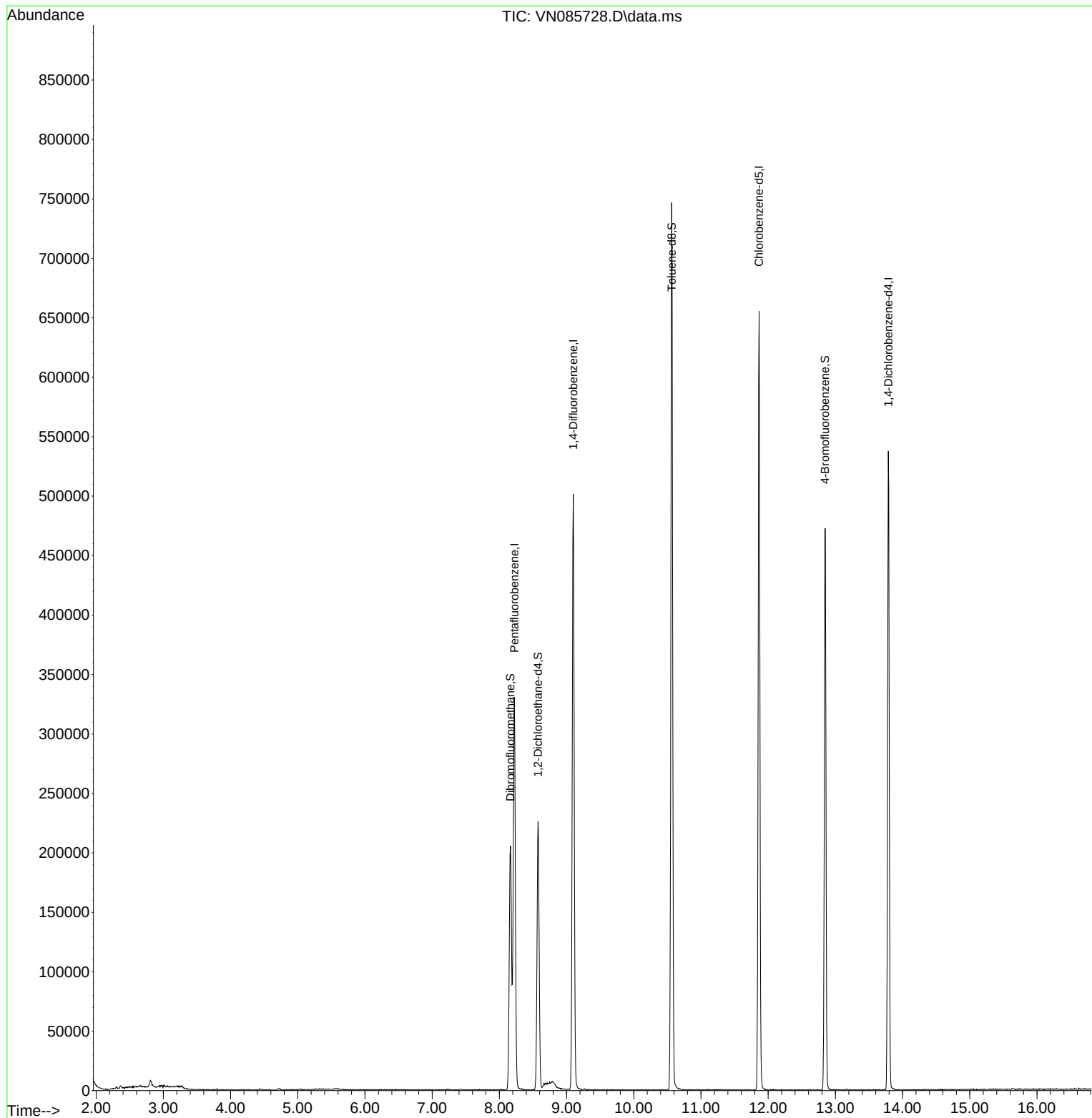
Target Compounds	Qvalue

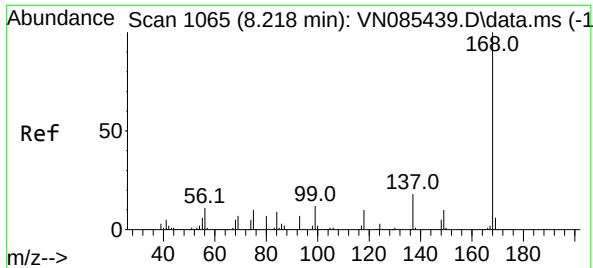
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085728.D
Acq On : 10 Feb 2025 16:59
Operator : JC\MD
Sample : Q1328-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-Ref-5

Quant Time: Feb 11 03:26:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VN085728.D

Acq: 10 Feb 2025 16:59

Instrument :

MSVOA_N

ClientSampleId :

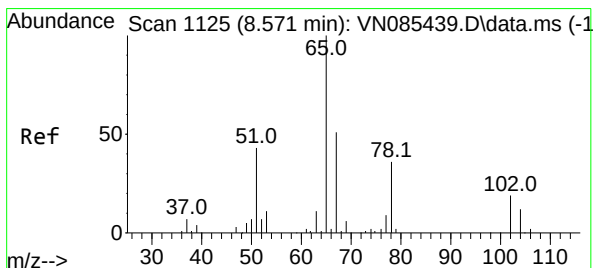
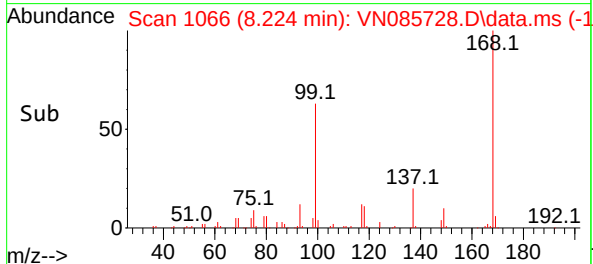
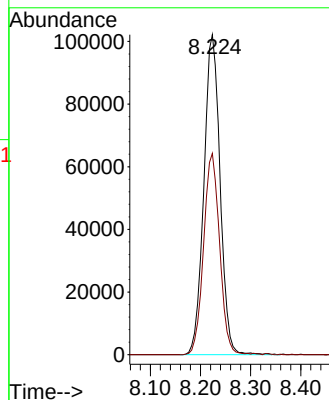
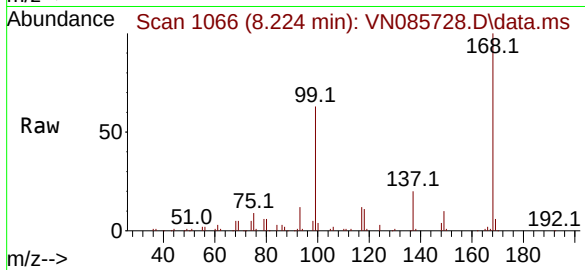
Storage-Blank-WATER-Ref-5

Tgt Ion:168 Resp: 229831

Ion Ratio Lower Upper

168 100

99 62.9 53.6 80.4



#33

1,2-Dichloroethane-d4

Concen: 49.466 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085728.D

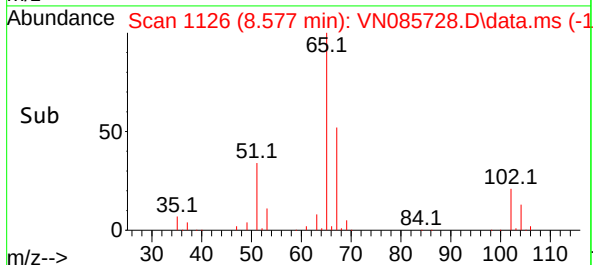
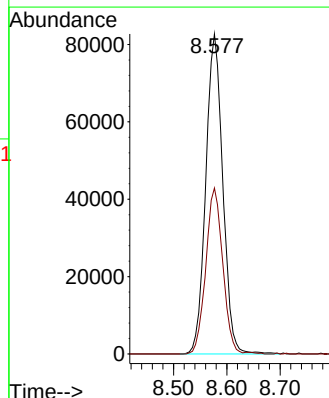
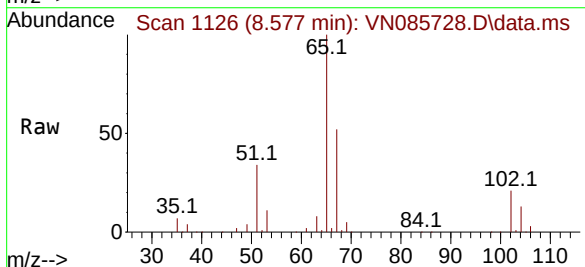
Acq: 10 Feb 2025 16:59

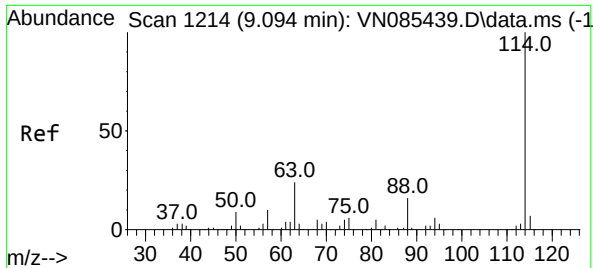
Tgt Ion: 65 Resp: 183516

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.6

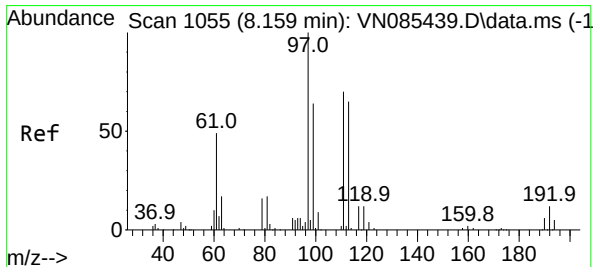
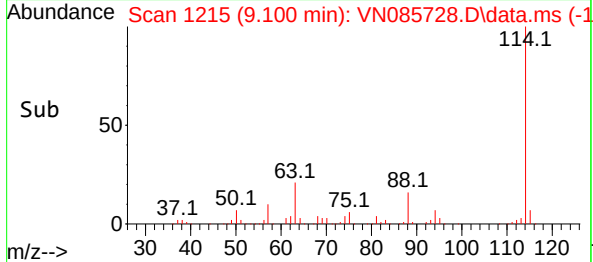
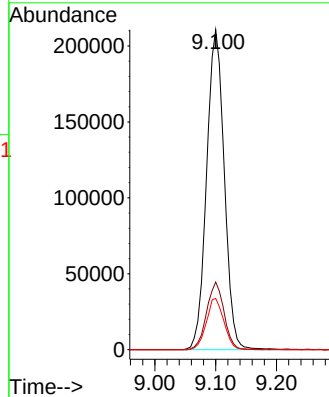
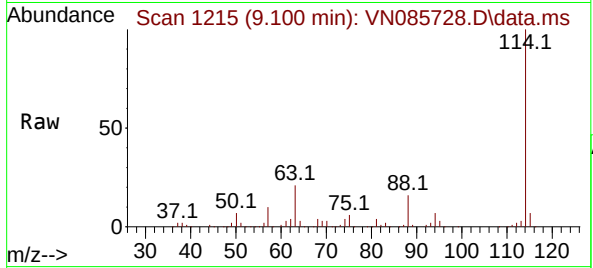




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

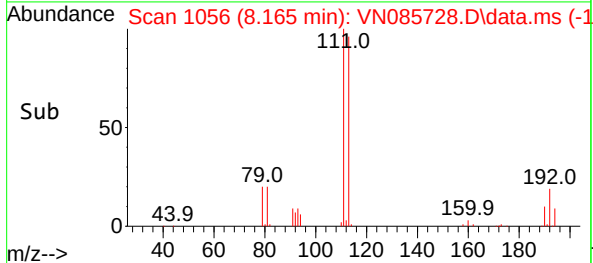
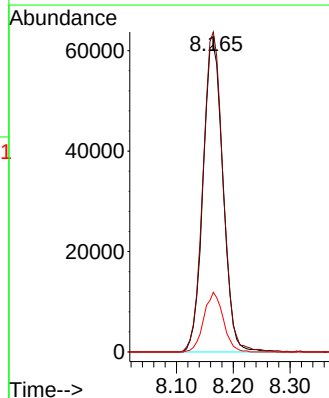
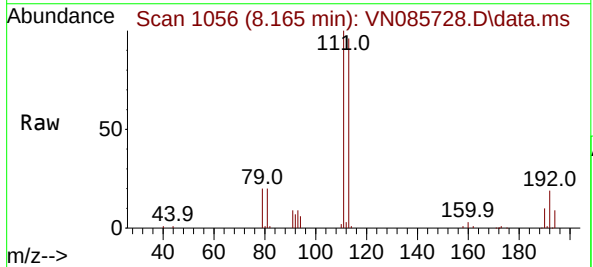
Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-Ref-5

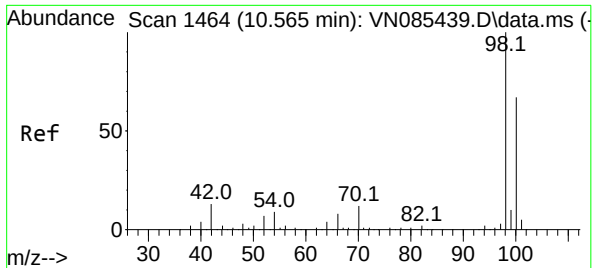
Tgt Ion:114 Resp: 425415
Ion Ratio Lower Upper
114 100
63 21.2 0.0 47.6
88 16.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.018 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

Tgt Ion:113 Resp: 150571
Ion Ratio Lower Upper
113 100
111 103.2 82.7 124.1
192 18.7 14.3 21.5

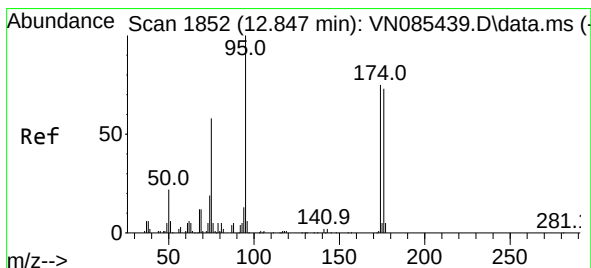
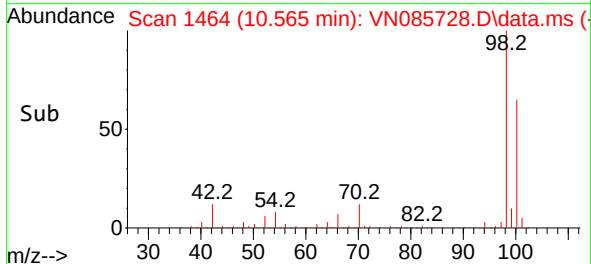
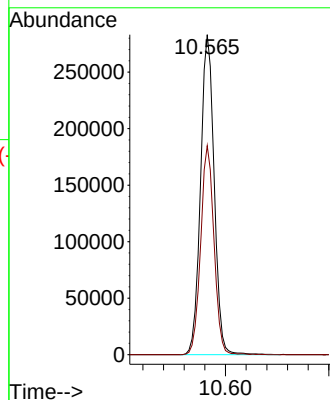
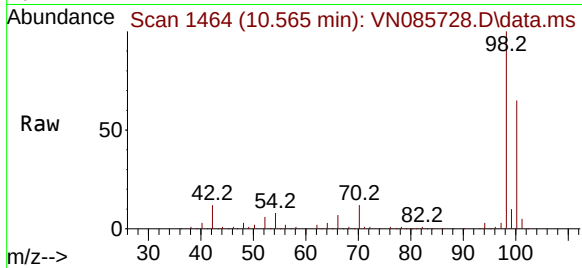




#50
Toluene-d8
Concen: 49.369 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

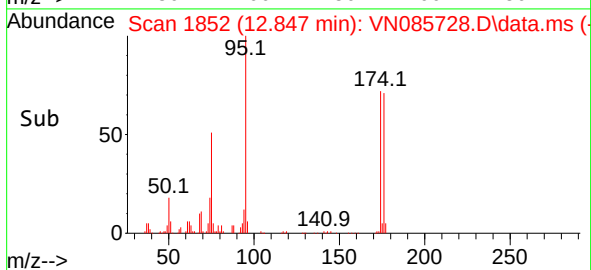
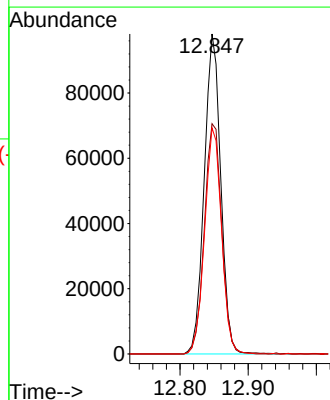
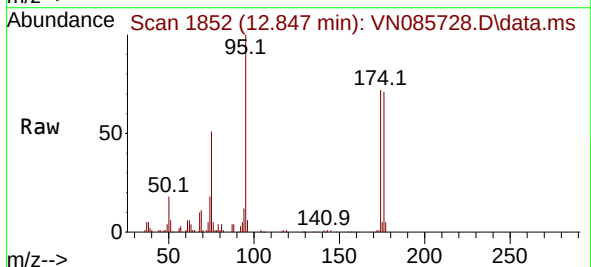
Instrument : MSVOA_N
ClientSampleId : Storage-Blank-WATER-Ref-5

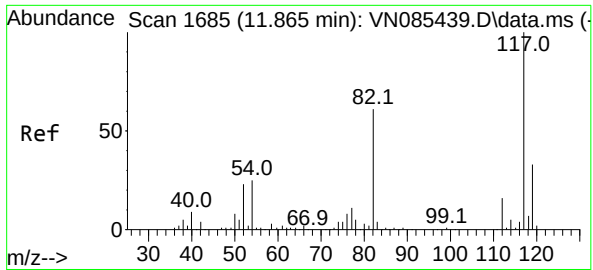
Tgt Ion: 98 Resp: 517689
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 45.971 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

Tgt Ion: 95 Resp: 164897
Ion Ratio Lower Upper
95 100
174 76.2 0.0 145.0
176 72.6 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085728.D

Acq: 10 Feb 2025 16:59

Instrument :

MSVOA_N

ClientSampleId :

Storage-Blank-WATER-Ref-5

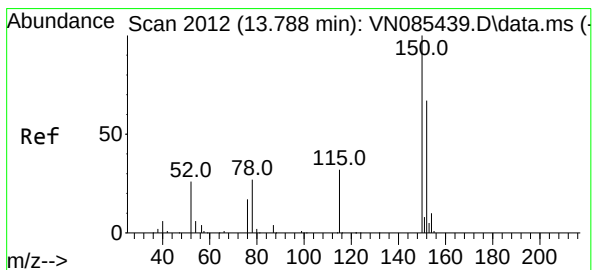
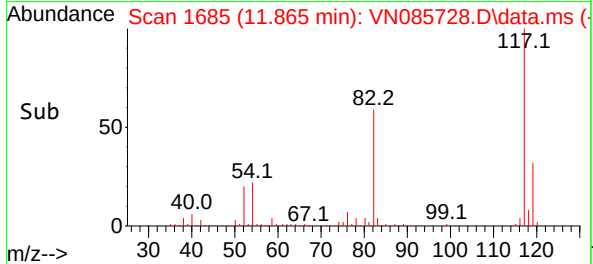
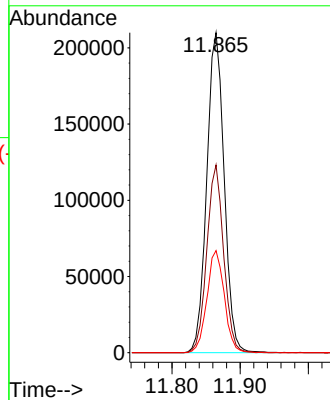
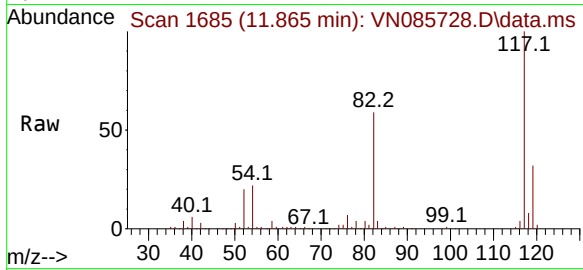
Tgt Ion:117 Resp: 373084

Ion Ratio Lower Upper

117 100

82 58.7 48.6 72.8

119 31.9 26.6 39.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085728.D

Acq: 10 Feb 2025 16:59

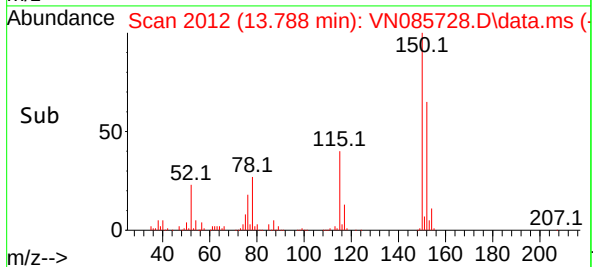
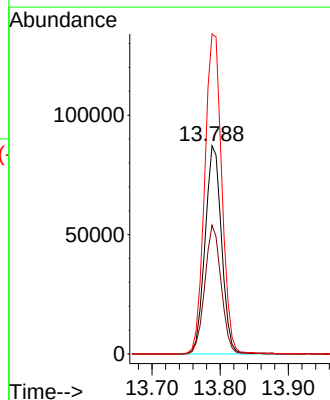
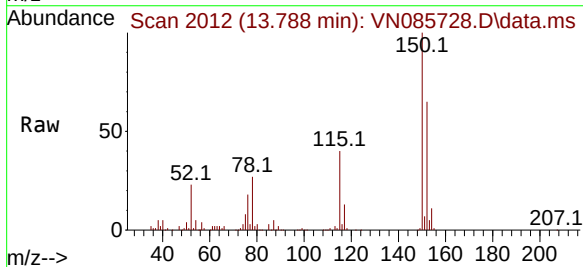
Tgt Ion:152 Resp: 146687

Ion Ratio Lower Upper

152 100

115 61.3 31.1 93.3

150 159.3 0.0 343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085728.D
Acq On : 10 Feb 2025 16:59
Operator : JC\MD
Sample : Q1328-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-Ref-5

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\82N011425W.M

Title : SW846 8260

Signal : TIC: VN085728.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1060	rBV	205225	480814	35.49%	6.921%
2	8.224	1060	1066	1078	rVB	329466	734326	54.20%	10.570%
3	8.577	1116	1126	1136	rBV	225565	501707	37.03%	7.221%
4	9.100	1206	1215	1228	rBV	500884	1010019	74.54%	14.538%
5	10.565	1455	1464	1481	rBV	746351	1354923	100.00%	19.502%
6	11.865	1676	1685	1699	rBV	654970	1150506	84.91%	16.560%
7	12.847	1844	1852	1863	rBV	472388	805714	59.47%	11.597%
8	13.788	2004	2012	2025	rBV	537111	909551	67.13%	13.092%

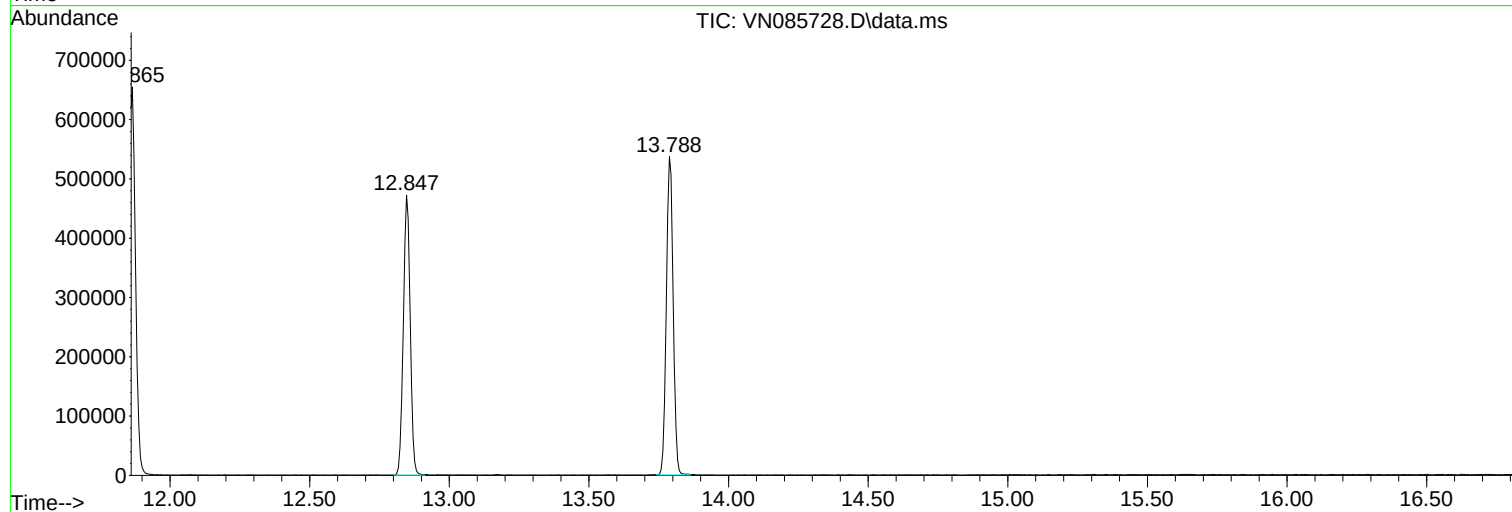
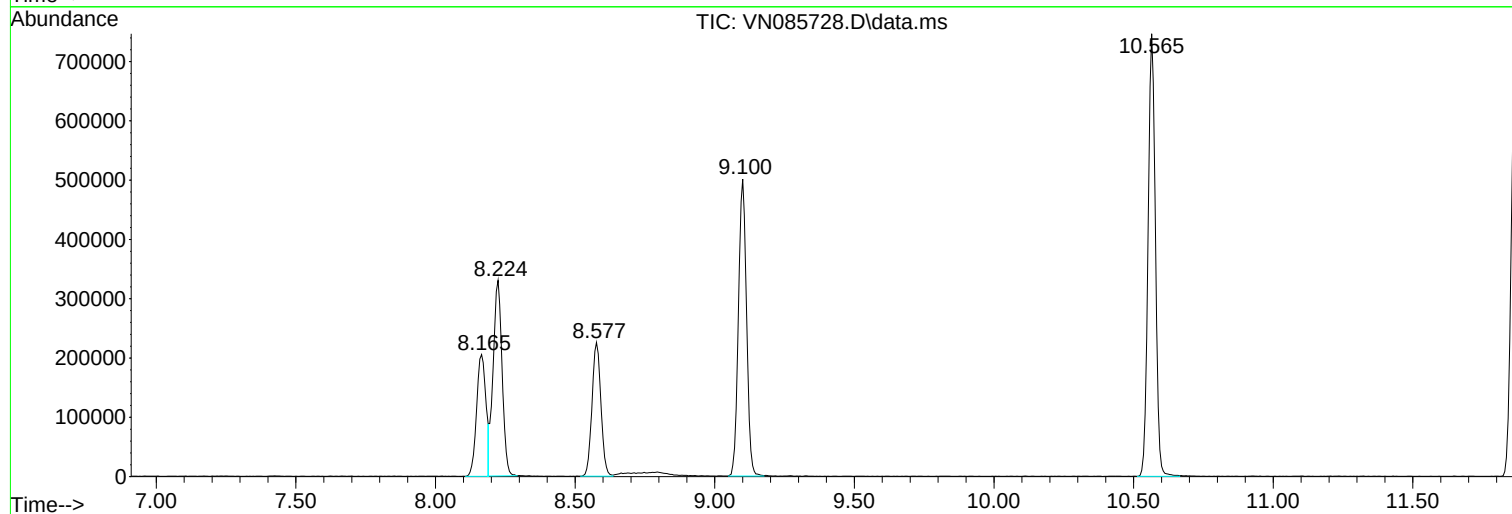
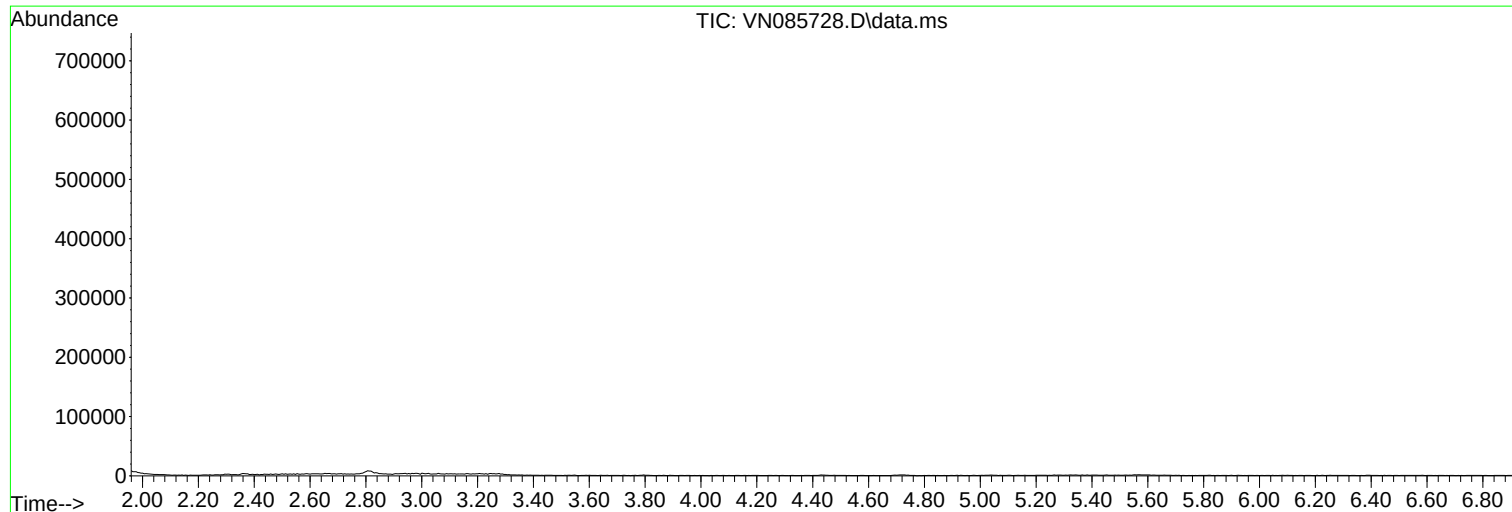
Sum of corrected areas: 6947560

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085728.D
Acq On : 10 Feb 2025 16:59
Operator : JC\MD
Sample : Q1328-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-Ref-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085728.D
Acq On : 10 Feb 2025 16:59
Operator : JC\MD
Sample : Q1328-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-Ref-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.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\VN021025\
Data File : VN085728.D
Acq On : 10 Feb 2025 16:59
Operator : JC\MD
Sample : Q1328-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-Ref-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.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:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1328
Lab Sample ID:	Q1328-03	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
VN085729.D	1		02/10/25 17:23	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1328
Lab Sample ID:	Q1328-03	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
VN085729.D	1		02/10/25 17:23	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	UQ	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	UQ	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	UQ	0.14	1.00	ug/L
100-42-5	Styrene	0.16	UQ	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	UQ	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	UQ	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1328
Lab Sample ID:	Q1328-03	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
VN085729.D	1		02/10/25 17:23	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	UQ	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	UQ	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	UQ	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	UQ	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	UQ	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		77 - 121	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	225000	8.224			
540-36-3	1,4-Difluorobenzene	415000	9.1			
3114-55-4	Chlorobenzene-d5	357000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.788			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1328
Lab Sample ID:	Q1328-03	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
VN085729.D	1		02/10/25 17:23	VN021025

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\VN021025\
 Data File : VN085729.D
 Acq On : 10 Feb 2025 17:23
 Operator : JC\MD
 Sample : Q1328-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Storage-Blank-WATER-REF-4

Quant Time: Feb 11 03:26:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	225145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	415405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	357489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132906	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	182740	50.282	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.560%
35) Dibromofluoromethane	8.165	113	149101	51.737	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.480%
50) Toluene-d8	10.565	98	504451	49.266	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.540%
62) 4-Bromofluorobenzene	12.847	95	153520	43.830	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	87.660%

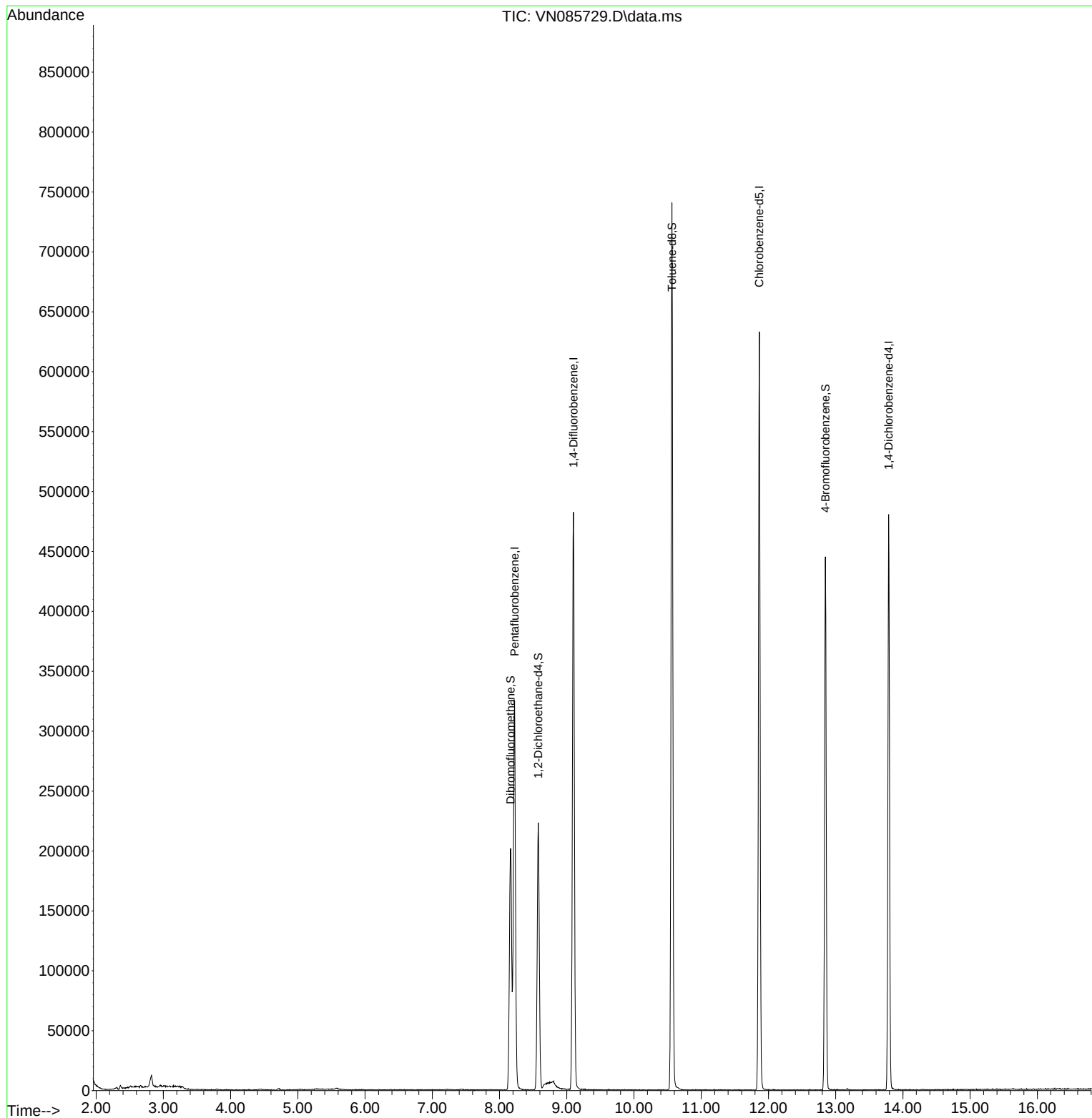
Target Compounds	Qvalue

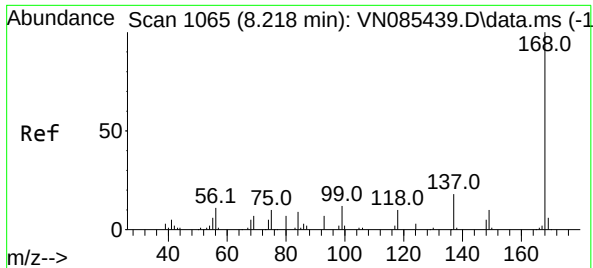
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085729.D
Acq On : 10 Feb 2025 17:23
Operator : JC\MD
Sample : Q1328-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-4

Quant Time: Feb 11 03:26:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

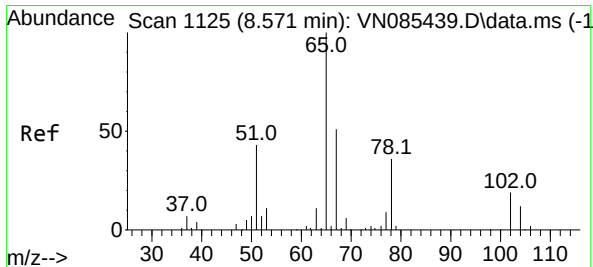
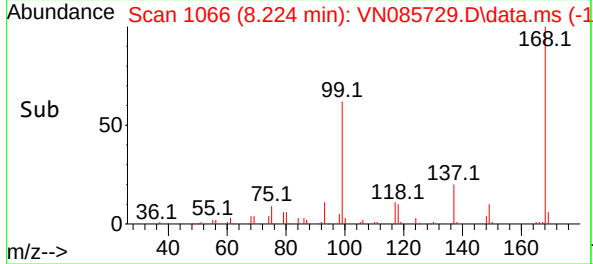
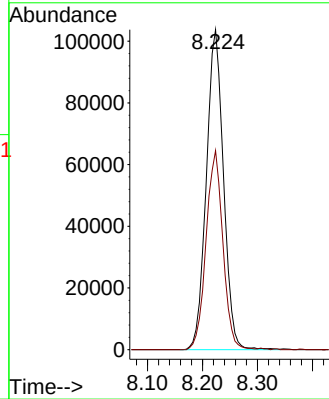
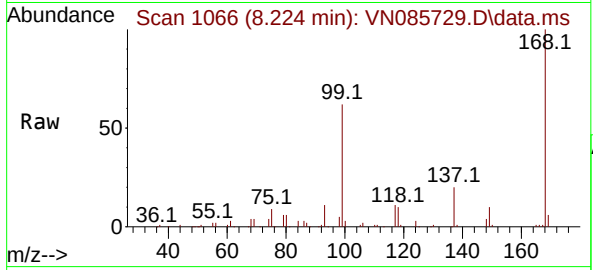




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085729.D
Acq: 10 Feb 2025 17:23

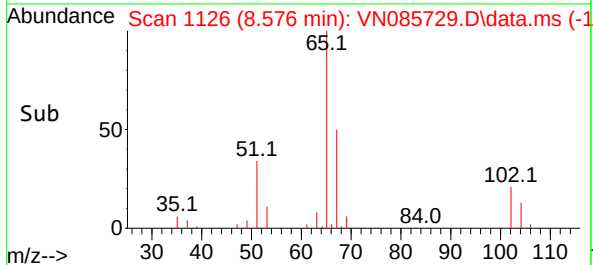
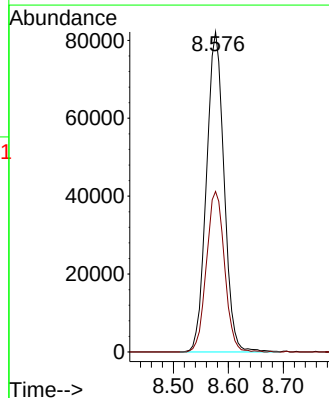
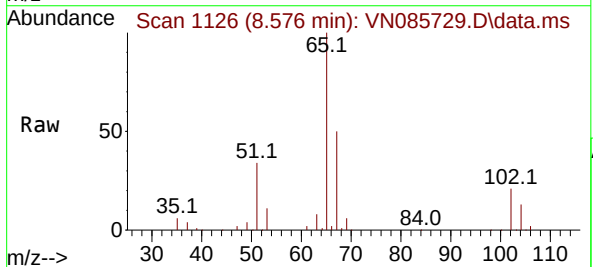
Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-4

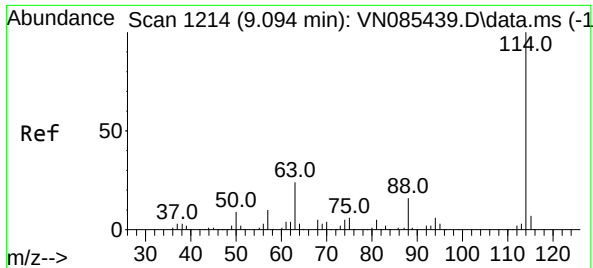
Tgt Ion:168 Resp: 225145
Ion Ratio Lower Upper
168 100
99 62.2 53.6 80.4



#33
1,2-Dichloroethane-d4
Concen: 50.282 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085729.D
Acq: 10 Feb 2025 17:23

Tgt Ion: 65 Resp: 182740
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085729.D

Acq: 10 Feb 2025 17:23

Instrument :

MSVOA_N

ClientSampleId :

Storage-Blank-WATER-REF-4

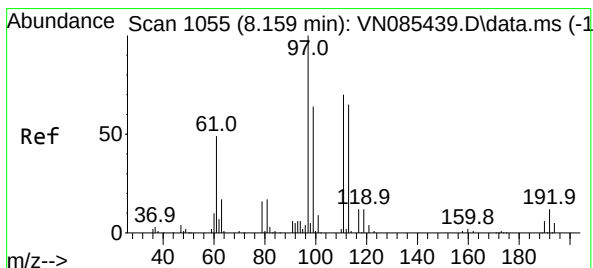
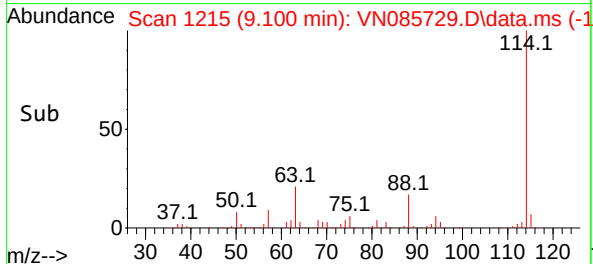
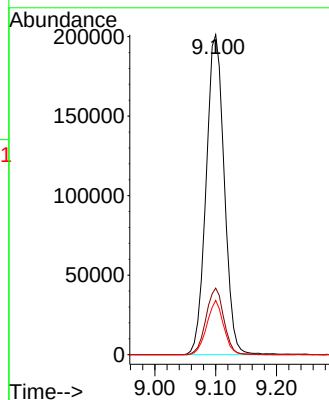
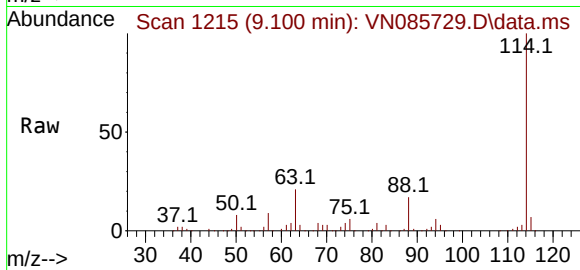
Tgt Ion:114 Resp: 415405

Ion Ratio Lower Upper

114 100

63 20.8 0.0 47.6

88 17.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.737 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085729.D

Acq: 10 Feb 2025 17:23

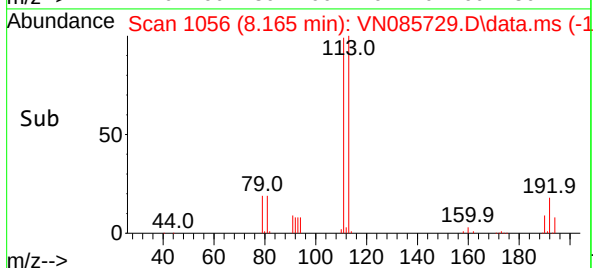
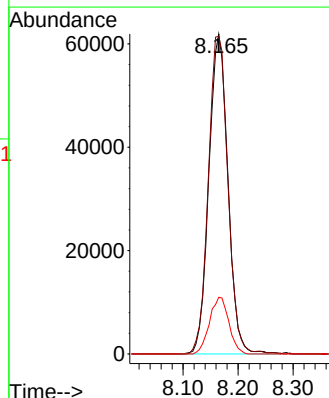
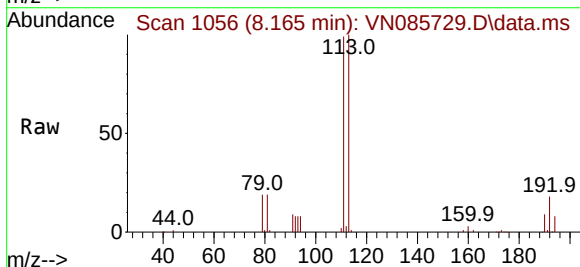
Tgt Ion:113 Resp: 149101

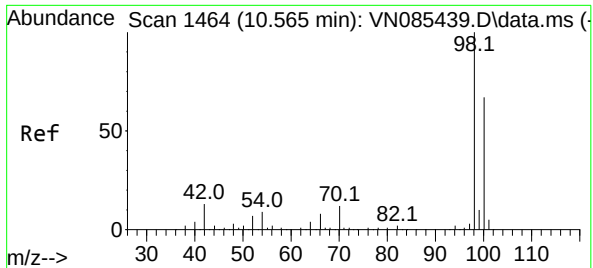
Ion Ratio Lower Upper

113 100

111 102.1 82.7 124.1

192 17.9 14.3 21.5

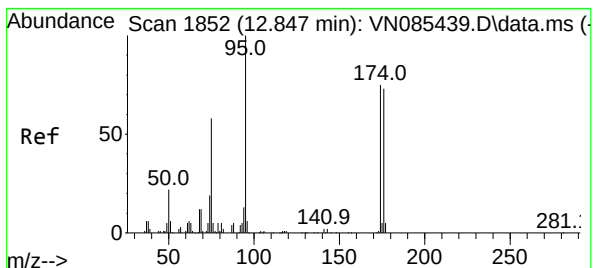
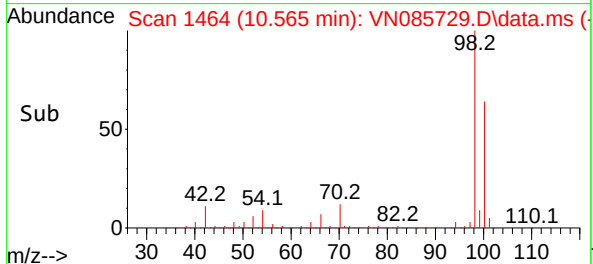
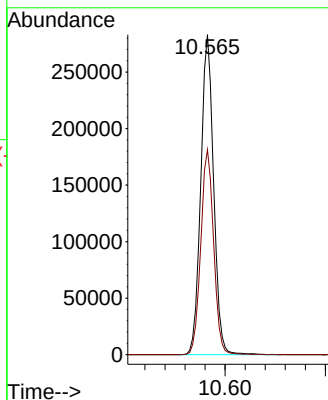
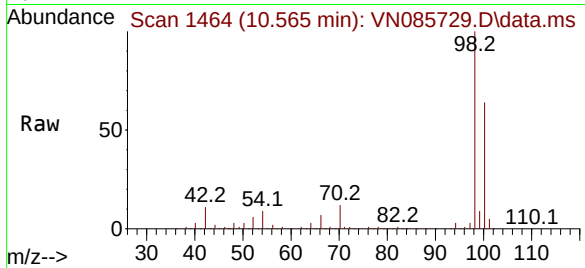




#50
Toluene-d8
Concen: 49.266 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085729.D
Acq: 10 Feb 2025 17:23

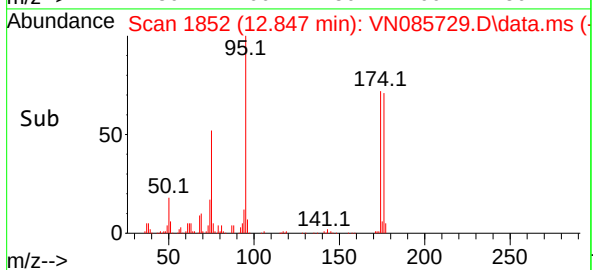
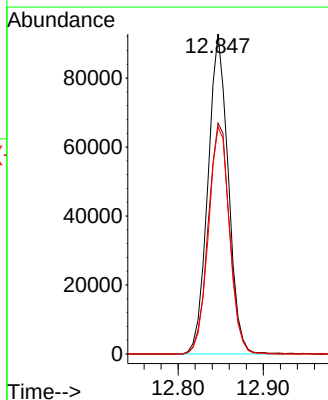
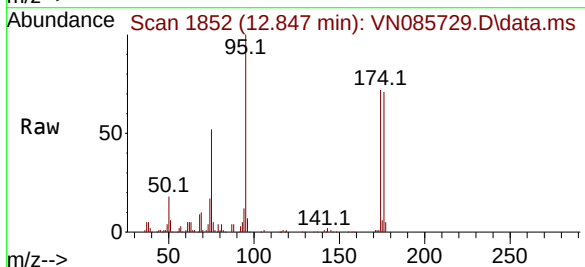
Instrument : MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-4

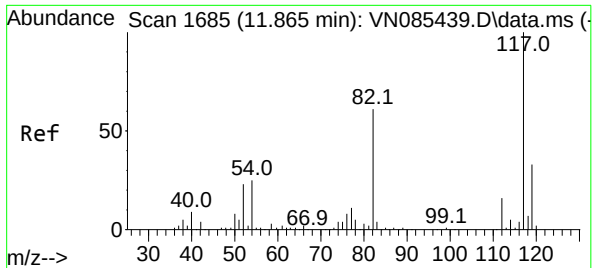
Tgt Ion: 98 Resp: 504451
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 43.830 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085729.D
Acq: 10 Feb 2025 17:23

Tgt Ion: 95 Resp: 153520
Ion Ratio Lower Upper
95 100
174 76.0 0.0 145.0
176 73.4 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085729.D

Acq: 10 Feb 2025 17:23

Instrument :

MSVOA_N

ClientSampleId :

Storage-Blank-WATER-REF-4

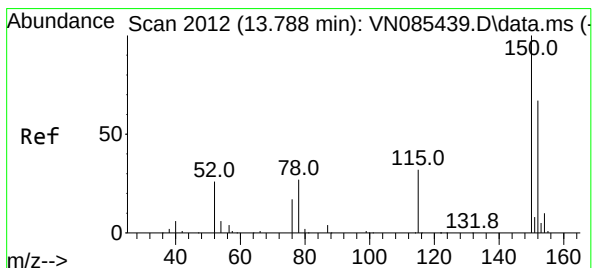
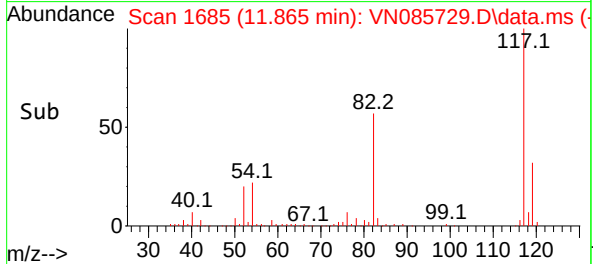
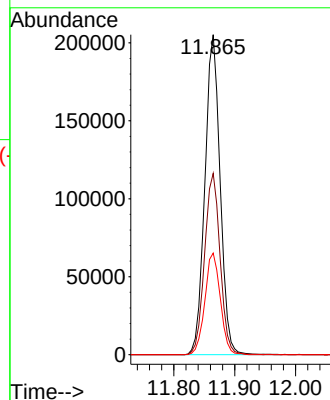
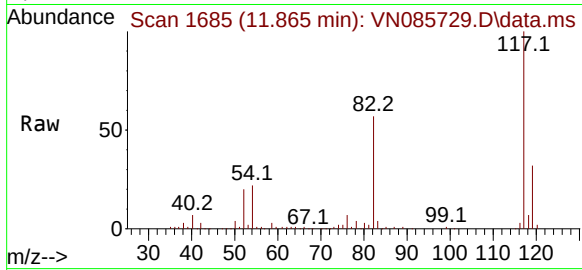
Tgt Ion:117 Resp: 357489

Ion Ratio Lower Upper

117 100

82 56.7 48.6 72.8

119 31.7 26.6 39.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085729.D

Acq: 10 Feb 2025 17:23

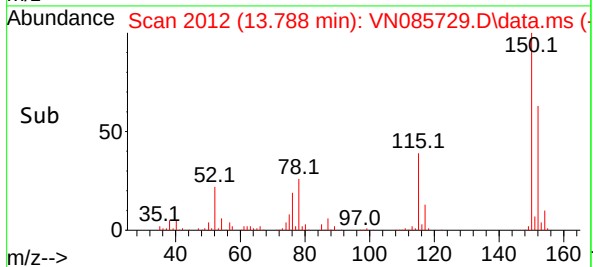
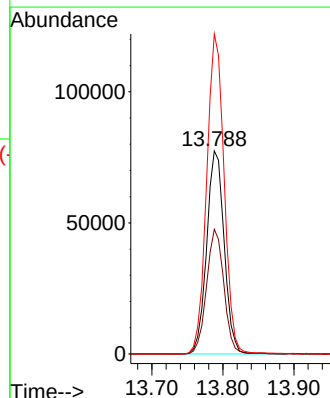
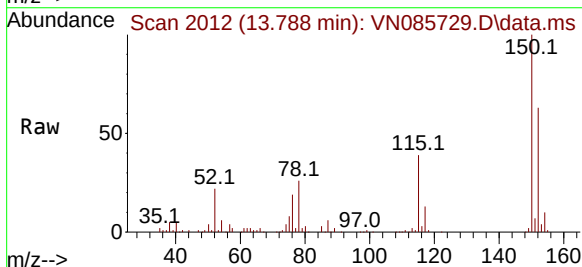
Tgt Ion:152 Resp: 132906

Ion Ratio Lower Upper

152 100

115 60.7 31.1 93.3

150 157.0 0.0 343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085729.D
Acq On : 10 Feb 2025 17:23
Operator : JC\MD
Sample : Q1328-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-4

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\82N011425W.M

Title : SW846 8260

Signal : TIC: VN085729.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.824	141	148	156	rVB4	9325	21090	1.59%	0.315%
2	8.165	1044	1056	1060	rBV	201727	475688	35.97%	7.115%
3	8.224	1060	1066	1083	rVB	324348	719827	54.42%	10.766%
4	8.576	1115	1126	1135	rBV	223003	492035	37.20%	7.359%
5	9.100	1205	1215	1234	rBV	481987	989383	74.80%	14.798%
6	10.565	1453	1464	1477	rBV	740688	1322633	100.00%	19.782%
7	11.865	1676	1685	1698	rBV	632912	1105368	83.57%	16.533%
8	12.847	1845	1852	1860	rBV	445104	752760	56.91%	11.259%
9	13.788	2005	2012	2021	rBV	479974	807169	61.03%	12.073%

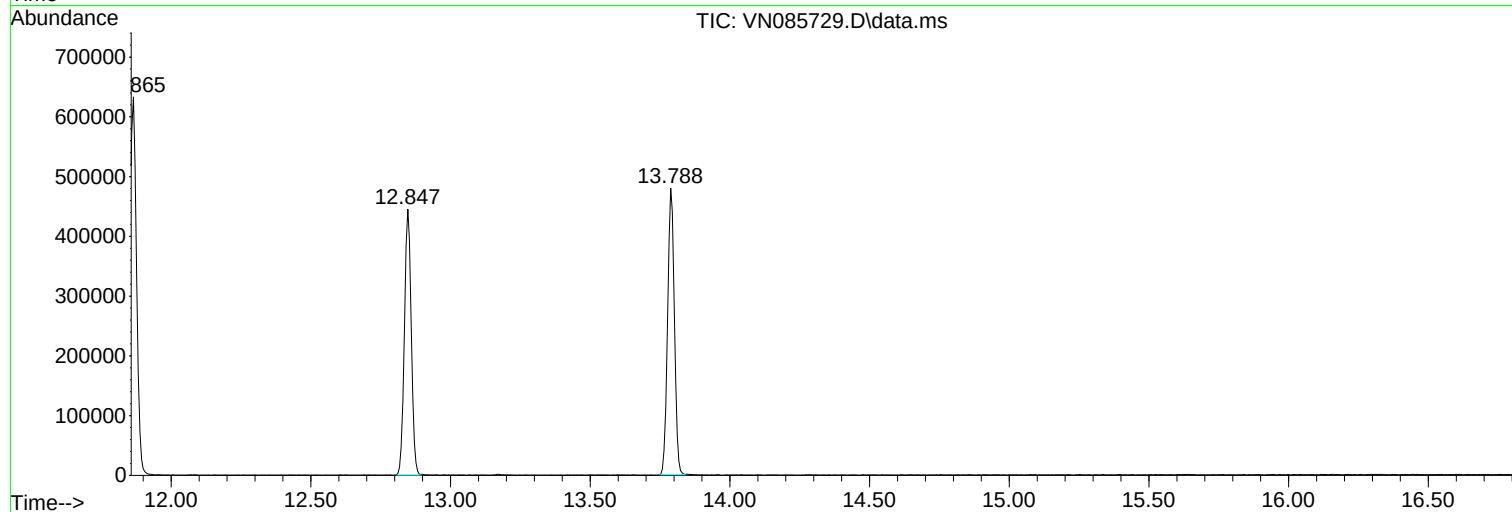
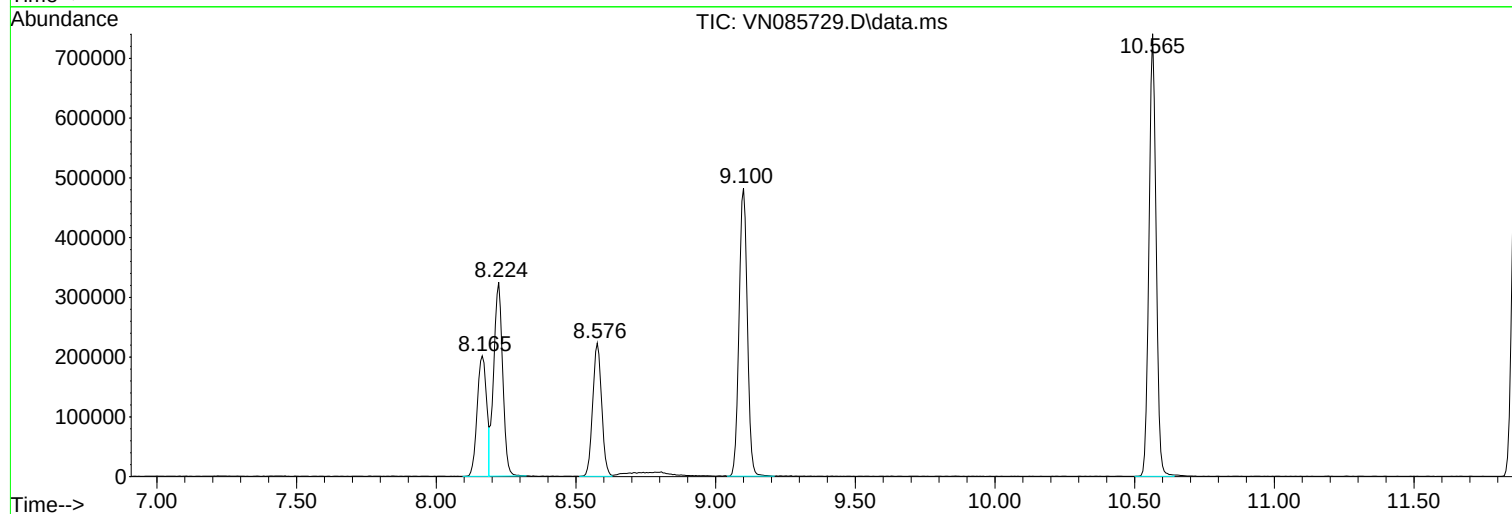
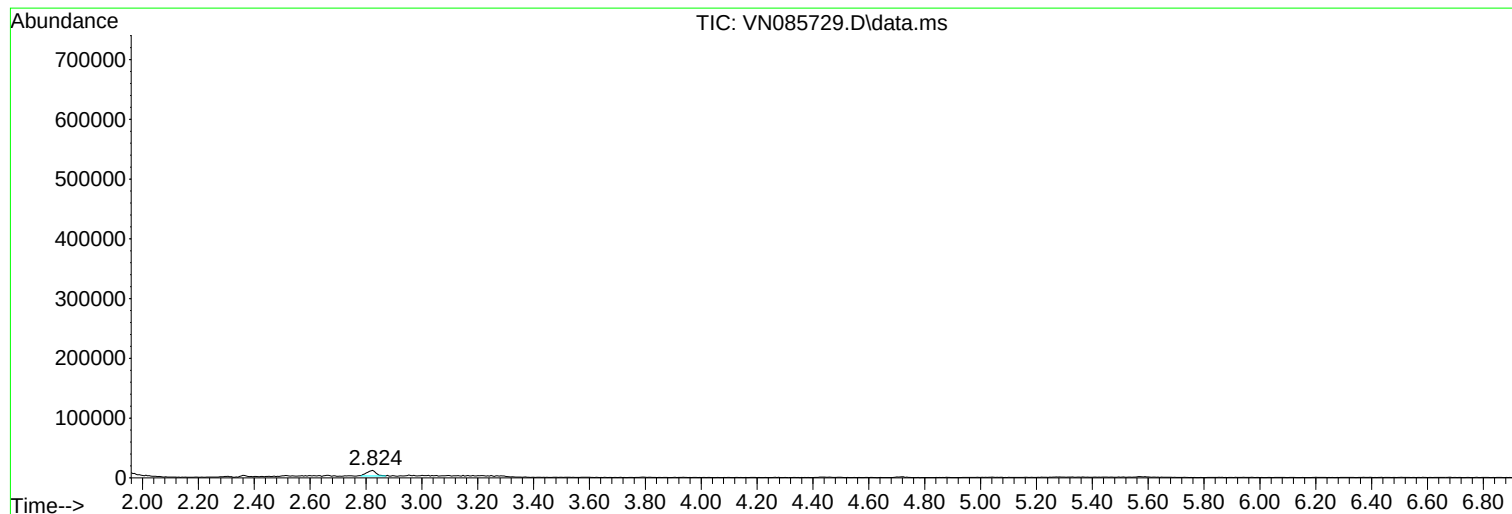
Sum of corrected areas: 6685953

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085729.D
Acq On : 10 Feb 2025 17:23
Operator : JC\MD
Sample : Q1328-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085729.D
Acq On : 10 Feb 2025 17:23
Operator : JC\MD
Sample : Q1328-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.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\VN021025\
Data File : VN085729.D
Acq On : 10 Feb 2025 17:23
Operator : JC\MD
Sample : Q1328-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-SAMLE-MANAGEMENT	SDG No.:	Q1328
Lab Sample ID:	Q1328-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085730.D	1		02/10/25 17:47	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-SAMLE-MANAGEMENT	SDG No.:	Q1328
Lab Sample ID:	Q1328-04	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
VN085730.D	1		02/10/25 17:47	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	UQ	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	UQ	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	UQ	0.14	1.00	ug/L
100-42-5	Styrene	0.16	UQ	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	UQ	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	UQ	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-SAMLE-MANAGEMENT	SDG No.:	Q1328
Lab Sample ID:	Q1328-04	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
VN085730.D	1		02/10/25 17:47	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	UQ	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	UQ	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	UQ	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	UQ	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	UQ	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.6		74 - 125	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		77 - 121	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	215000	8.224			
540-36-3	1,4-Difluorobenzene	407000	9.1			
3114-55-4	Chlorobenzene-d5	354000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	136000	13.788			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	Storage-Blank-SAMLE-MANAGEMENT	SDG No.:	Q1328
Lab Sample ID:	Q1328-04	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
		Final Vol:	5000 uL
		Test:	VOC- Chemtech Full

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085730.D	1		02/10/25 17:47	VN021025

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\VN021025\
 Data File : VN085730.D
 Acq On : 10 Feb 2025 17:47
 Operator : JC\MD
 Sample : Q1328-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Storage-Blank-SAMLE-MANAGEMENT

Quant Time: Feb 11 03:26:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	215052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	406991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	354283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136368	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	179256	51.638	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.280%
35) Dibromofluoromethane	8.165	113	146442	51.865	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.740%
50) Toluene-d8	10.565	98	494912	49.334	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.660%
62) 4-Bromofluorobenzene	12.847	95	153355	44.688	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.380%

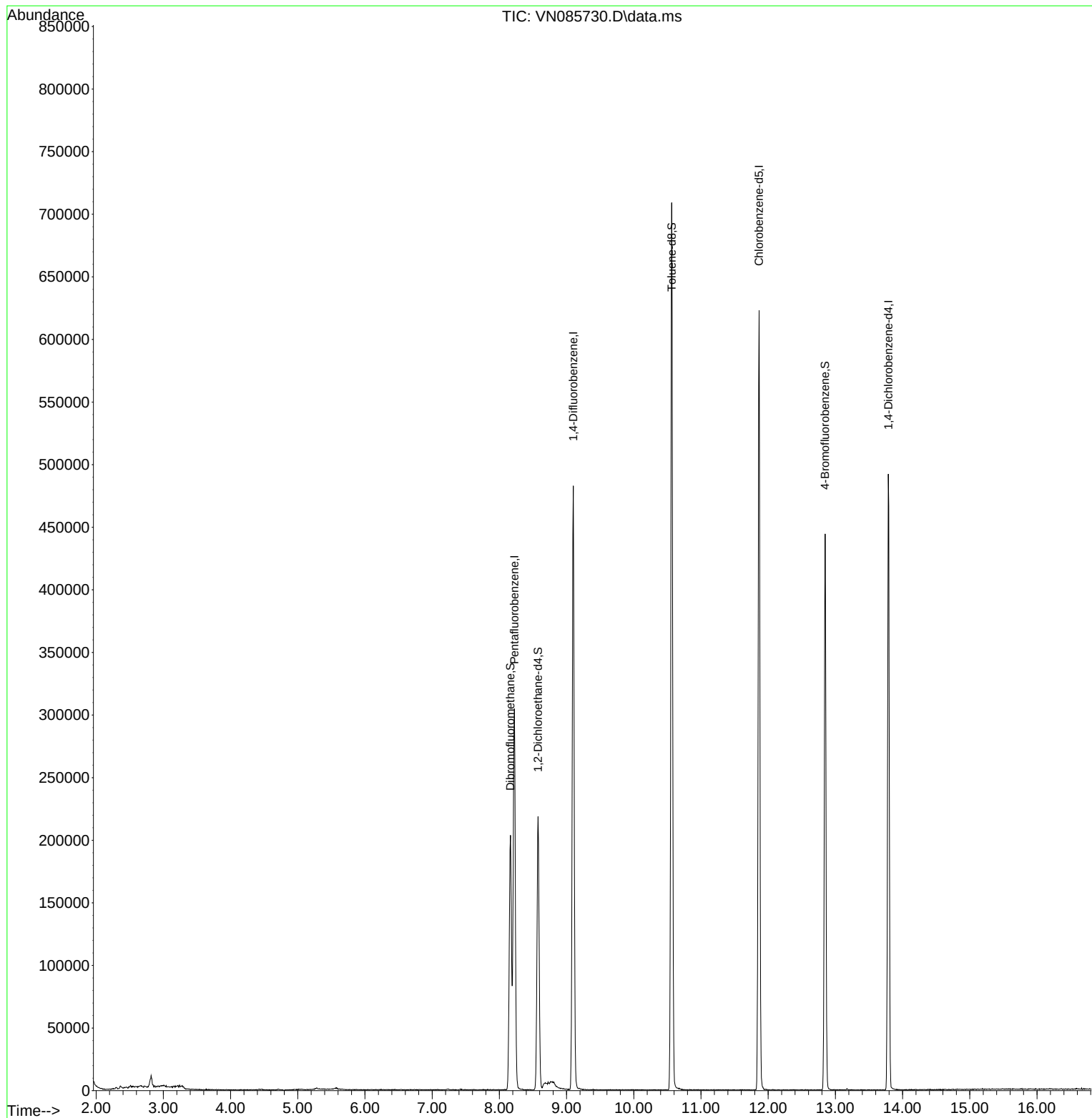
Target Compounds	Qvalue

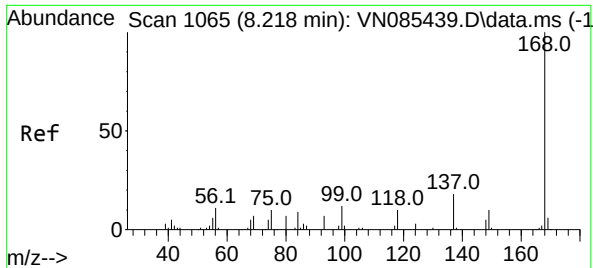
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085730.D
Acq On : 10 Feb 2025 17:47
Operator : JC\MD
Sample : Q1328-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMLE-MANAGEMENT

Quant Time: Feb 11 03:26:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

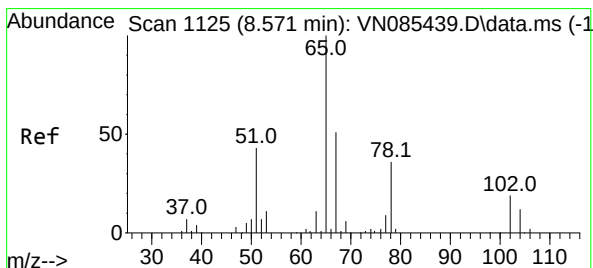
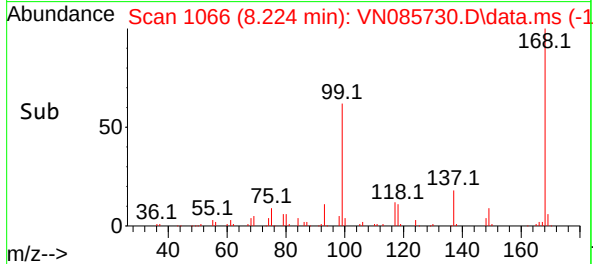
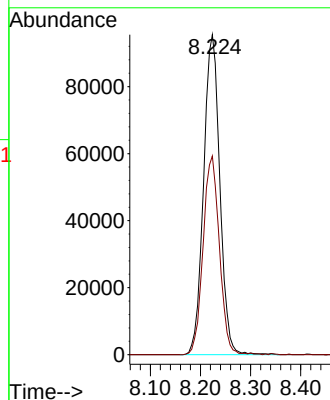
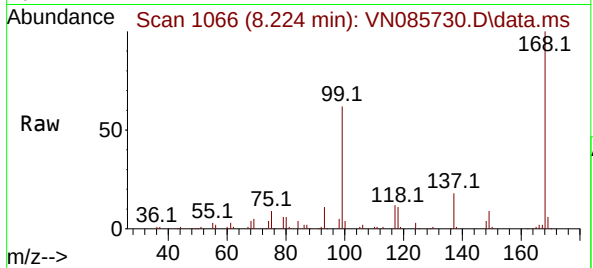




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085730.D
Acq: 10 Feb 2025 17:47

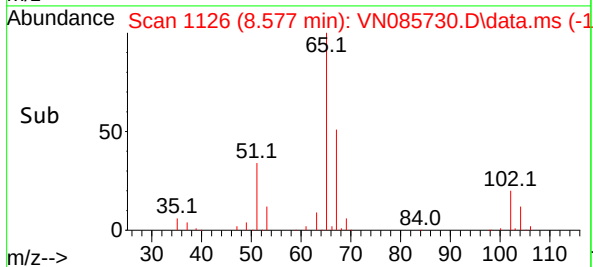
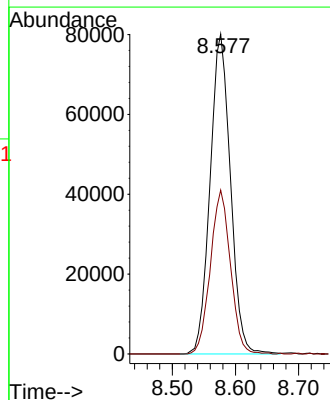
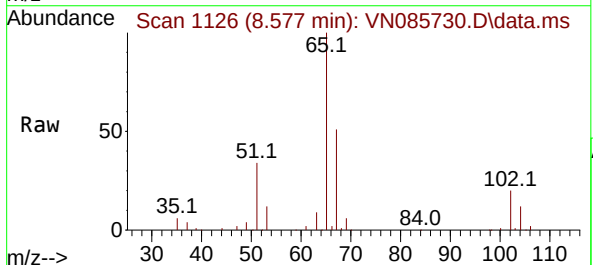
Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

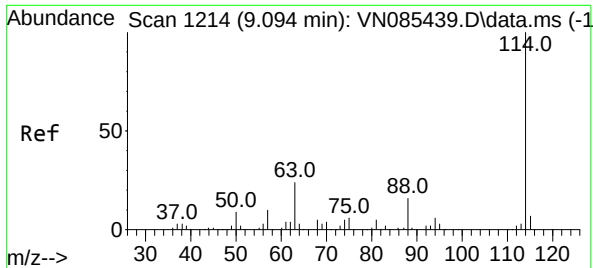
Tgt Ion:168 Resp: 215052
Ion Ratio Lower Upper
168 100
99 62.1 53.6 80.4



#33
1,2-Dichloroethane-d4
Concen: 51.638 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085730.D
Acq: 10 Feb 2025 17:47

Tgt Ion: 65 Resp: 179256
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085730.D

Acq: 10 Feb 2025 17:47

Instrument :

MSVOA_N

ClientSampleId :

Storage-Blank-SAMPLE-MANAGEMENT

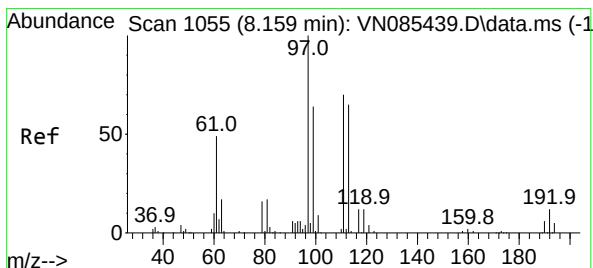
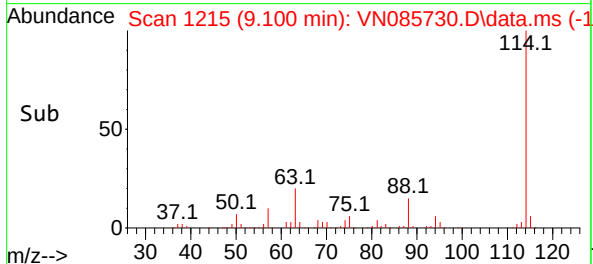
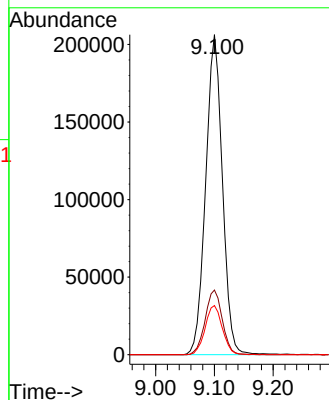
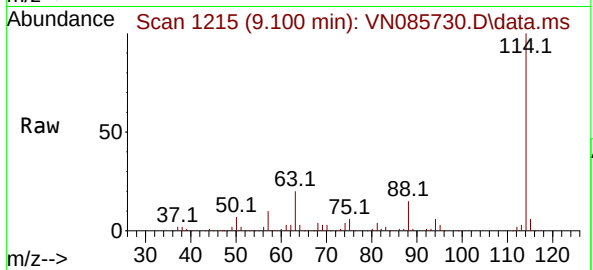
Tgt Ion:114 Resp: 406991

Ion Ratio Lower Upper

114 100

63 20.2 0.0 47.6

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.865 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085730.D

Acq: 10 Feb 2025 17:47

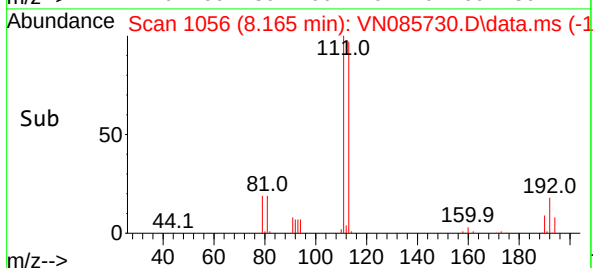
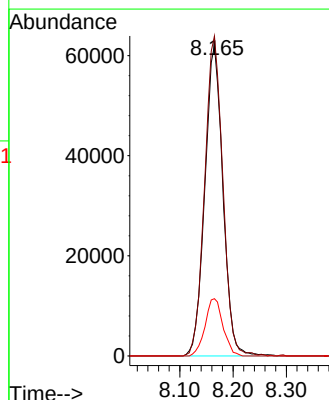
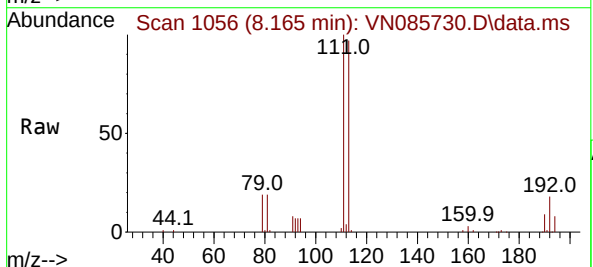
Tgt Ion:113 Resp: 146442

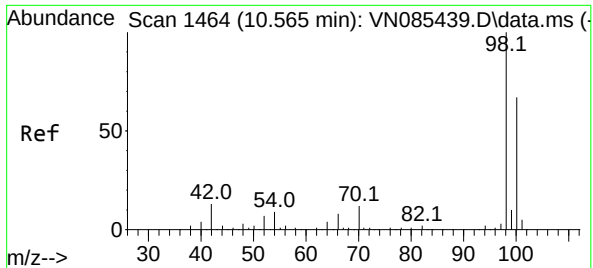
Ion Ratio Lower Upper

113 100

111 103.2 82.7 124.1

192 18.2 14.3 21.5

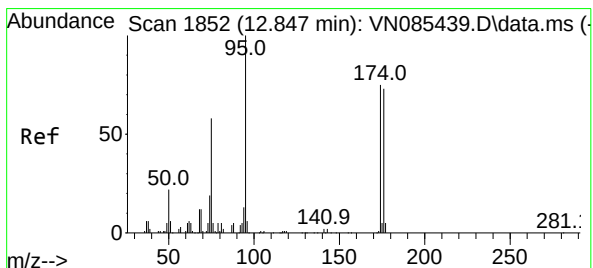
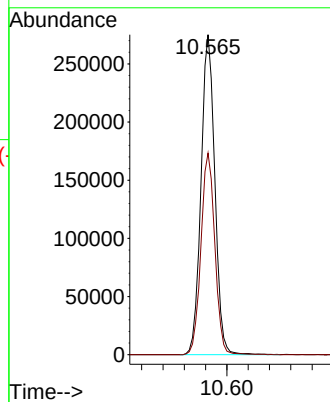
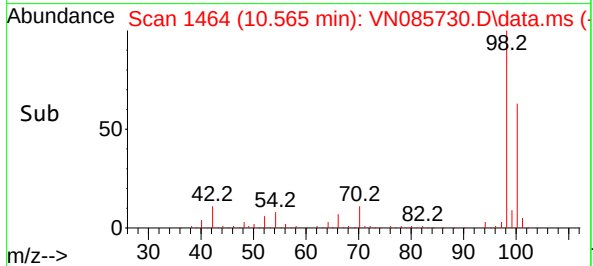
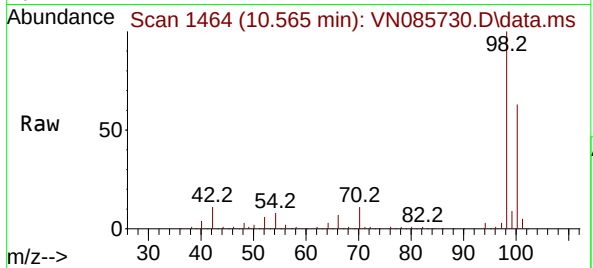




#50
Toluene-d8
Concen: 49.334 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085730.D
Acq: 10 Feb 2025 17:47

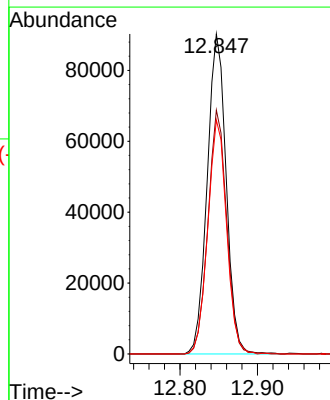
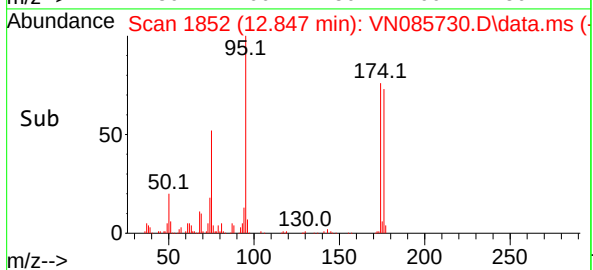
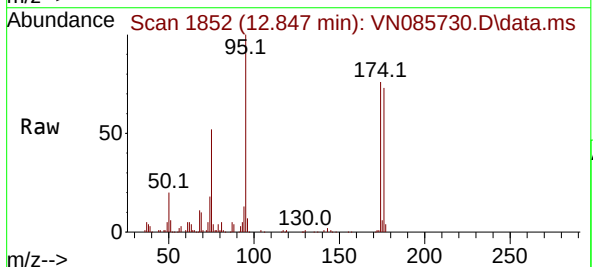
Instrument : MSVOA_N
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

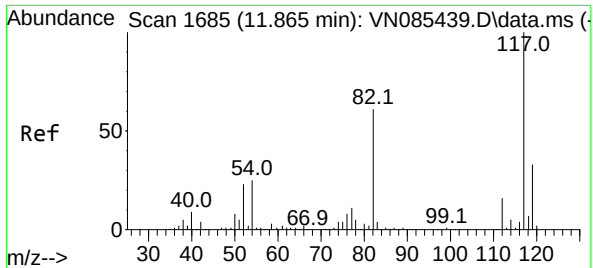
Tgt Ion: 98 Resp: 494912
Ion Ratio Lower Upper
98 100
100 63.4 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 44.688 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085730.D
Acq: 10 Feb 2025 17:47

Tgt Ion: 95 Resp: 153355
Ion Ratio Lower Upper
95 100
174 75.5 0.0 145.0
176 72.4 0.0 142.4

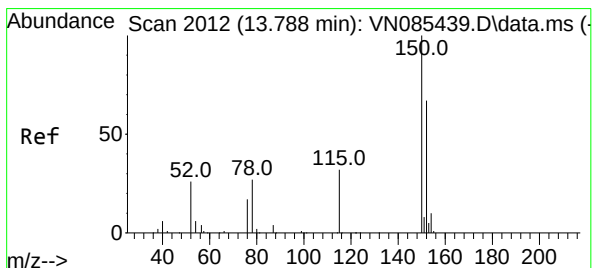
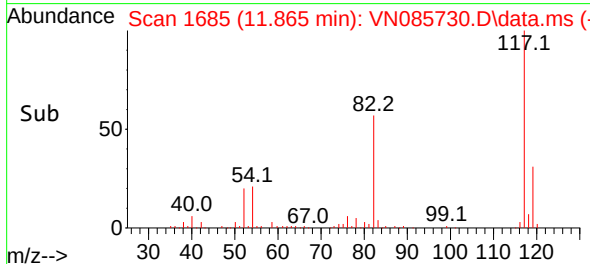
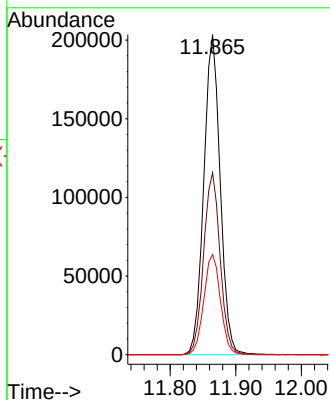
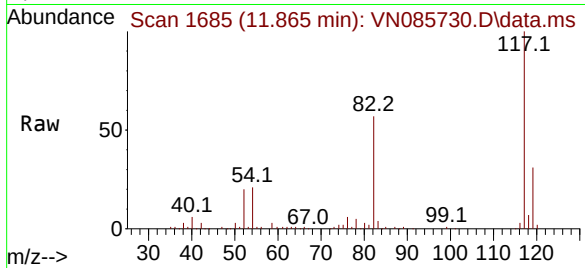




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085730.D
Acq: 10 Feb 2025 17:47

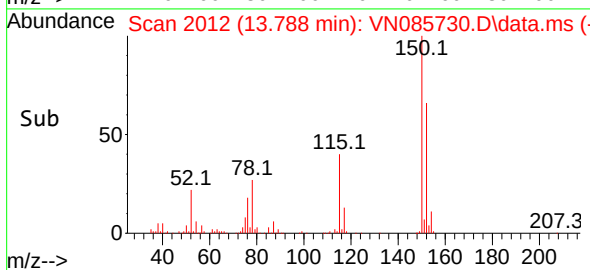
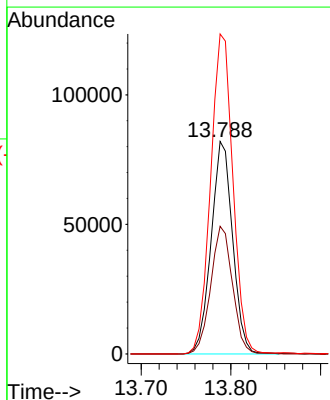
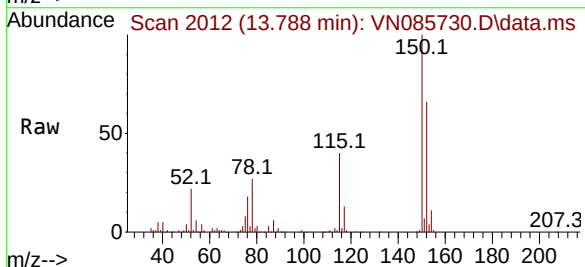
Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

Tgt Ion:117 Resp: 354283
Ion Ratio Lower Upper
117 100
82 56.8 48.6 72.8
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085730.D
Acq: 10 Feb 2025 17:47

Tgt Ion:152 Resp: 136368
Ion Ratio Lower Upper
152 100
115 60.9 31.1 93.3
150 156.6 0.0 343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085730.D
Acq On : 10 Feb 2025 17:47
Operator : JC\MD
Sample : Q1328-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMLE-MANAGEMENT

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\82N011425W.M

Title : SW846 8260

Signal : TIC: VN085730.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	140	147	151	rBV3	8965	17794	1.38%	0.270%
2	8.165	1046	1056	1061	rBV	203216	497768	38.68%	7.566%
3	8.224	1061	1066	1079	rVB	303680	656668	51.03%	9.981%
4	8.577	1115	1126	1135	rBV2	218287	486117	37.78%	7.389%
5	9.100	1206	1215	1227	rBV	482203	960200	74.62%	14.595%
6	10.565	1456	1464	1481	rBV	708672	1286831	100.00%	19.559%
7	11.865	1677	1685	1697	rBV	622405	1088490	84.59%	16.545%
8	12.847	1844	1852	1866	rBV	444081	749814	58.27%	11.397%
9	13.788	2004	2012	2020	rBV	491966	835401	64.92%	12.698%

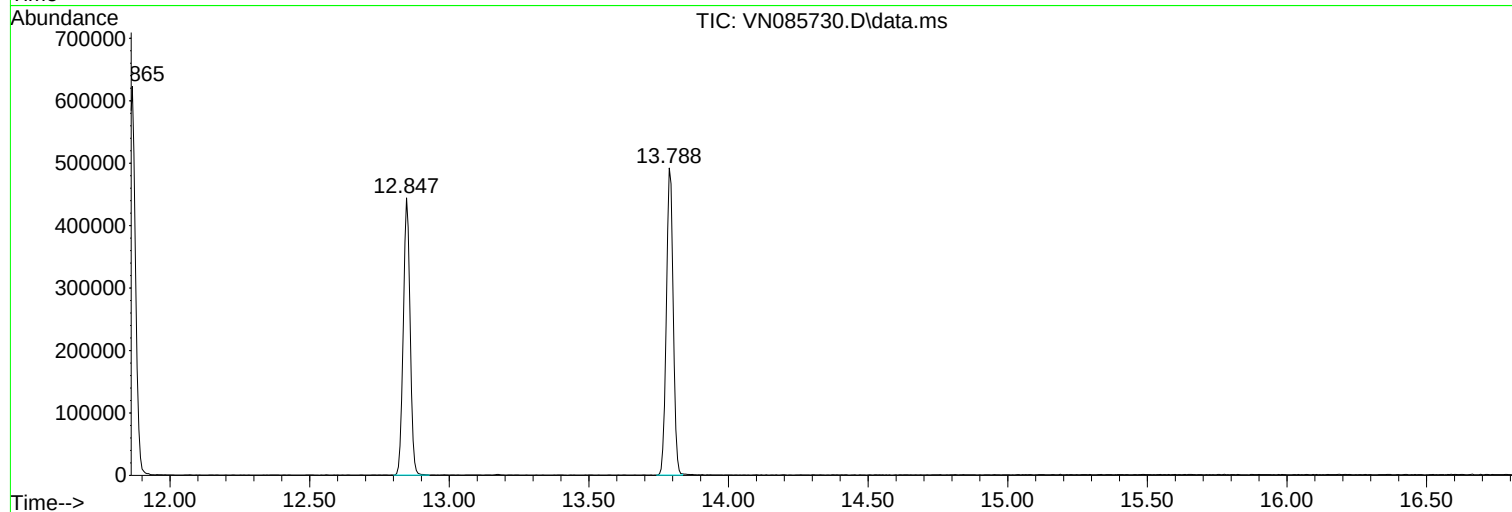
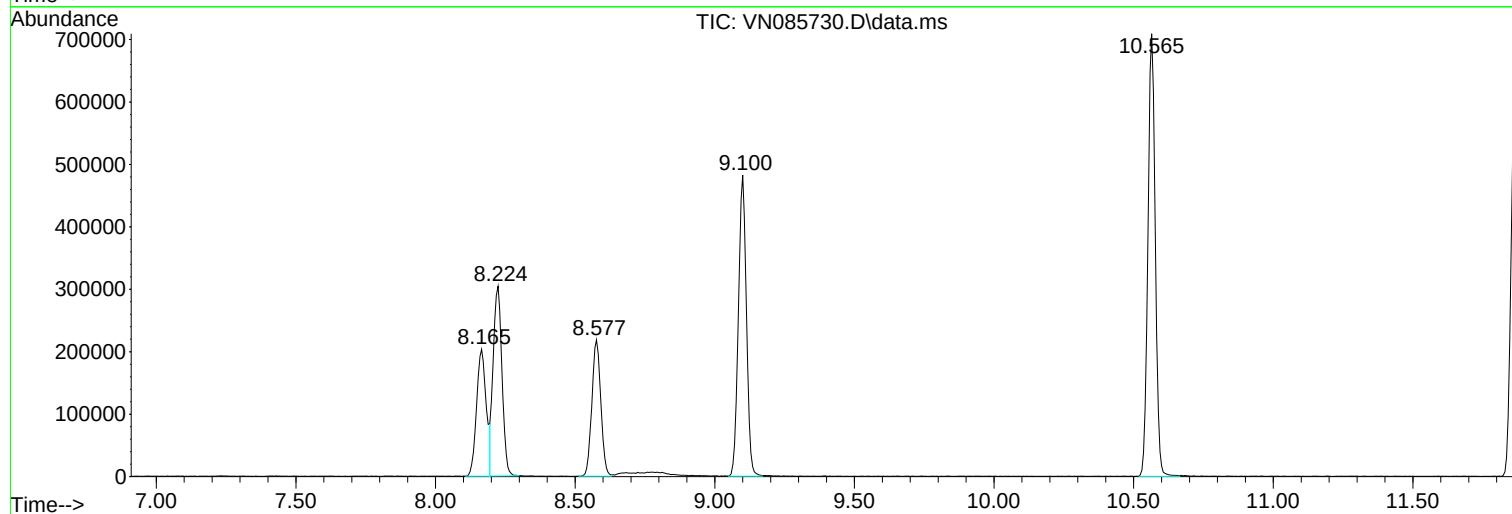
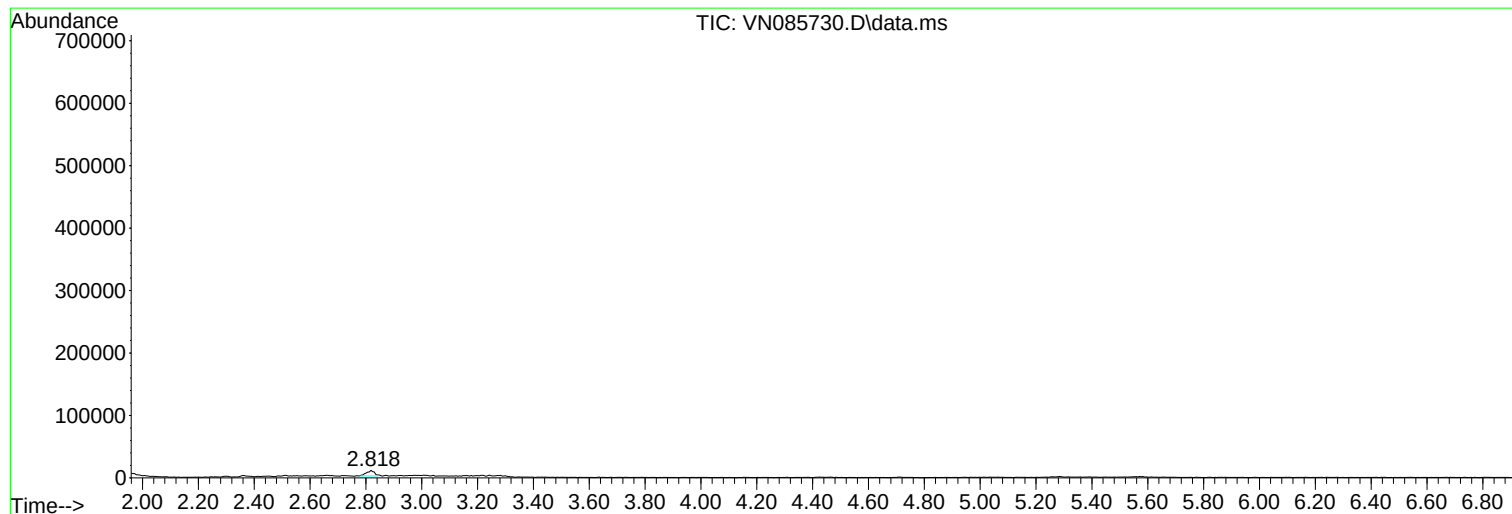
Sum of corrected areas: 6579083

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085730.D
Acq On : 10 Feb 2025 17:47
Operator : JC\MD
Sample : Q1328-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMLE-MANAGEMENT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085730.D
Acq On : 10 Feb 2025 17:47
Operator : JC\MD
Sample : Q1328-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMLE-MANAGEMENT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.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\VN021025\
Data File : VN085730.D
Acq On : 10 Feb 2025 17:47
Operator : JC\MD
Sample : Q1328-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMLE-MANAGEMENT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.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



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: CHEM02
 Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG No.: Q1328
 Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025
 Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN085438.D		RRF050 = VN085439.D		RRF020 = VN085440.D			
		RRF010 = VN085441.D		RRF005 = VN085442.D		RRF001 = VN085443.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD	
Dichlorodifluoromethane	0.664	0.629	0.681	0.667	0.708	0.714	0.677	4.6	
Chloromethane	0.680	0.680	0.727	0.693	0.779	0.839	0.733	8.8	
Vinyl Chloride	0.697	0.686	0.727	0.711	0.781	0.819	0.737	7.1	
Ethyl Acetate	0.496	0.488	0.488	0.452	0.520	0.504	0.491	4.7	
Bromomethane	0.392	0.417	0.454	0.437	0.525		0.445	11.3	
Chloroethane	0.435	0.424	0.468	0.429	0.505	0.542	0.467	10.3	
Trichlorofluoromethane	1.046	0.997	1.097	1.040	1.077	1.157	1.069	5.1	
1,1,2-Trichlorotrifluoroethane	0.590	0.542	0.609	0.587	0.639	0.646	0.602	6.4	
Tert butyl alcohol	0.085	0.093	0.095	0.092	0.097		0.092	4.8	
1,1-Dichloroethene	0.548	0.533	0.556	0.526	0.559	0.497	0.537	4.3	
Acrolein	0.136	0.140	0.124	0.131	0.101		0.126	12.1	
Acrylonitrile	0.289	0.298	0.303	0.275	0.299	0.298	0.294	3.4	
Acetone	0.238	0.252	0.252	0.247	0.269	0.306	0.261	9.3	
Carbon Disulfide	1.555	1.477	1.647	1.537	1.719	1.978	1.652	11	
Methyl tert-butyl Ether	1.834	1.873	1.853	1.664	1.685	1.545	1.742	7.5	
Methyl Acetate	0.751	0.790	0.758	0.779	0.810	0.871	0.793	5.5	
Methylene Chloride	0.629	0.629	0.658	0.606	0.696	0.656	0.646	4.9	
trans-1,2-Dichloroethene	0.571	0.555	0.574	0.539	0.569	0.632	0.573	5.5	
Vinyl Acetate	1.495	1.495	1.466	1.279	1.270	1.110	1.353	11.7	
1,1-Dichloroethane	1.164	1.170	1.206	1.100	1.226	1.204	1.178	3.8	
Cyclohexane	0.984	0.881	1.033	1.026	1.198		1.024	11.2	
2-Butanone	0.378	0.390	0.398	0.363	0.387	0.386	0.384	3.1	
Carbon Tetrachloride	0.574	0.530	0.579	0.529	0.565	0.567	0.557	4	
2,2-Dichloropropane	0.958	0.936	0.985	0.922	0.986	0.930	0.953	3	
cis-1,2-Dichloroethene	0.691	0.683	0.715	0.639	0.669	0.655	0.675	4	
Bromochloromethane	0.530	0.542	0.513	0.486	0.595	0.624	0.548	9.4	
Chloroform	1.197	1.175	1.241	1.169	1.253	1.273	1.218	3.6	
1,1,1-Trichloroethane	1.053	1.016	1.091	1.000	1.148	1.102	1.068	5.2	
Methylcyclohexane	0.564	0.463	0.477	0.407	0.437	0.397	0.457	13.3	
1,1-Dichloropropene	0.521	0.462	0.499	0.441	0.490	0.509	0.487	6.2	

* 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: CHEM02
 Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG No.: Q1328
 Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025
 Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN085438.D		RRF050 = VN085439.D		RRF020 = VN085440.D			
		RRF010 = VN085441.D		RRF005 = VN085442.D		RRF001 = VN085443.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD	
Benzene	1.551	1.449	1.527	1.376	1.474	1.400	1.463	4.7	
1,2-Dichloroethane	0.569	0.547	0.575	0.522	0.574	0.517	0.551	4.8	
Trichloroethene	0.362	0.324	0.352	0.310	0.343	0.352	0.341	5.8	
1,2-Dichloropropane	0.390	0.371	0.388	0.334	0.388	0.371	0.374	5.7	
Dibromomethane	0.275	0.267	0.277	0.254	0.254	0.292	0.270	5.5	
Bromodichloromethane	0.590	0.559	0.579	0.514	0.569	0.484	0.549	7.5	
4-Methyl-2-Pentanone	0.499	0.492	0.495	0.432	0.443	0.380	0.457	10.3	
Toluene	0.964	0.870	0.919	0.808	0.835	0.690	0.848	11.3	
t-1,3-Dichloropropene	0.594	0.551	0.544	0.481	0.527	0.416	0.519	12	
cis-1,3-Dichloropropene	0.623	0.588	0.601	0.527	0.538	0.450	0.554	11.4	
1,1,2-Trichloroethane	0.348	0.340	0.353	0.309	0.349	0.314	0.335	5.7	
1,3-Dichloropropane	0.627	0.602	0.618	0.555	0.584	0.514	0.583	7.3	
2-Chloroethyl Vinyl ether	0.258	0.241	0.226	0.185	0.205	0.163	0.213	16.7	
2-Hexanone	0.358	0.357	0.353	0.298	0.302	0.261	0.321	12.6	
Dibromochloromethane	0.430	0.414	0.412	0.368	0.420	0.386	0.405	5.8	
1,2-Dibromoethane	0.349	0.334	0.356	0.309	0.321	0.334	0.334	5.2	
Tetrachloroethene	0.351	0.322	0.365	0.338	0.346	0.323	0.341	4.9	
Chlorobenzene	1.133	1.076	1.154	1.047	1.110	1.051	1.095	4	
1,1,1,2-Tetrachloroethane	0.404	0.392	0.408	0.371	0.412	0.425	0.402	4.7	
Hexachloroethane	0.645	0.577	0.613	0.574	0.616	0.681	0.618	6.6	
Ethyl Benzene	2.072	1.867	1.940	1.685	1.709	1.430	1.784	12.7	
m/p-Xylenes	0.775	0.707	0.750	0.615	0.616	0.492	0.659	16	
o-Xylene	0.738	0.681	0.713	0.584	0.582	0.482	0.630	15.5	
Styrene	1.271	1.173	1.186	0.956	0.929	0.742	1.043	19.2	
Bromoform	0.311	0.311	0.312	0.273	0.284	0.235	0.288	10.6	
Isopropylbenzene	3.922	3.448	3.681	3.272	3.157	2.766	3.375	12.1	
1,1,2,2-Tetrachloroethane	1.121	1.145	1.187	1.157	1.228	1.314	1.192	5.9	
1,2,3-Trichloropropane	1.061	0.893	1.118	0.957	0.965	1.104	1.016	9	
Bromobenzene	0.919	0.858	0.906	0.857	0.880	0.871	0.882	2.9	
n-propylbenzene	4.738	4.154	4.400	3.846	3.605	3.227	3.995	13.7	

* 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: CHEM02
 Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG No.: Q1328
 Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025
 Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN085438.D		RRF050 = VN085439.D		RRF020 = VN085440.D			
		RRF010 = VN085441.D		RRF005 = VN085442.D		RRF001 = VN085443.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD	
2-Chlorotoluene	2.812	2.585	2.761	2.571	2.533	2.252	2.586	7.7	
1,3,5-Trimethylbenzene	3.260	2.940	3.140	2.695	2.529	2.160	2.787	14.7	
4-Chlorotoluene	2.847	2.588	2.820	2.512	2.536	2.144	2.574	9.9	
tert-Butylbenzene	2.726	2.439	2.570	2.236	2.189	1.885	2.341	12.8	
1,2,4-Trimethylbenzene	3.323	3.016	3.190	2.710	2.542	1.888	2.778	18.9	
sec-Butylbenzene	3.912	3.421	3.643	3.147	3.026	2.318	3.244	17.2	
p-Isopropyltoluene	3.286	2.872	2.942	2.541	2.368	1.777	2.631	20	
1,3-Dichlorobenzene	1.720	1.565	1.701	1.574	1.656	1.526	1.624	4.9	
1,4-Dichlorobenzene	1.706	1.562	1.713	1.607	1.743	1.767	1.683	4.8	
n-Butylbenzene	2.881	2.483	2.485	2.168	2.176	1.772	2.327	16.2	
1,2-Dichlorobenzene	1.611	1.555	1.654	1.532	1.600	1.766	1.620	5.2	
1,2-Dibromo-3-Chloropropane	0.218	0.222	0.224	0.212	0.228	0.202	0.218	4.3	
1,2,4-Trichlorobenzene	0.858	0.781	0.799	0.704	0.717	0.658	0.753	9.7	
Hexachlorobutadiene	0.386	0.367	0.396	0.395	0.441	0.413	0.400	6.3	
Naphthalene	2.588	2.482	2.348	1.958	1.987	2.115	2.246	11.8	
1,2,3-Trichlorobenzene	0.817	0.786	0.792	0.732	0.693	0.750	0.762	6	
1,2-Dichloroethane-d4	0.774	0.831	0.754	0.762	0.914		0.807	8.3	
Dibromofluoromethane	0.359	0.358	0.335	0.310	0.373		0.347	7.1	
Toluene-d8	1.339	1.267	1.207	1.076	1.274		1.232	8.1	
4-Bromofluorobenzene	0.475	0.449	0.410	0.357	0.417		0.422	10.6	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N011425W.M
 Title : SW846 8260
 Last Update : Wed Jan 15 02:16:08 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN085443.D 5 =VN085442.D 10 =VN085441.D 20 =VN085440.D 50 =VN085439.D 100 =VN085438.

D

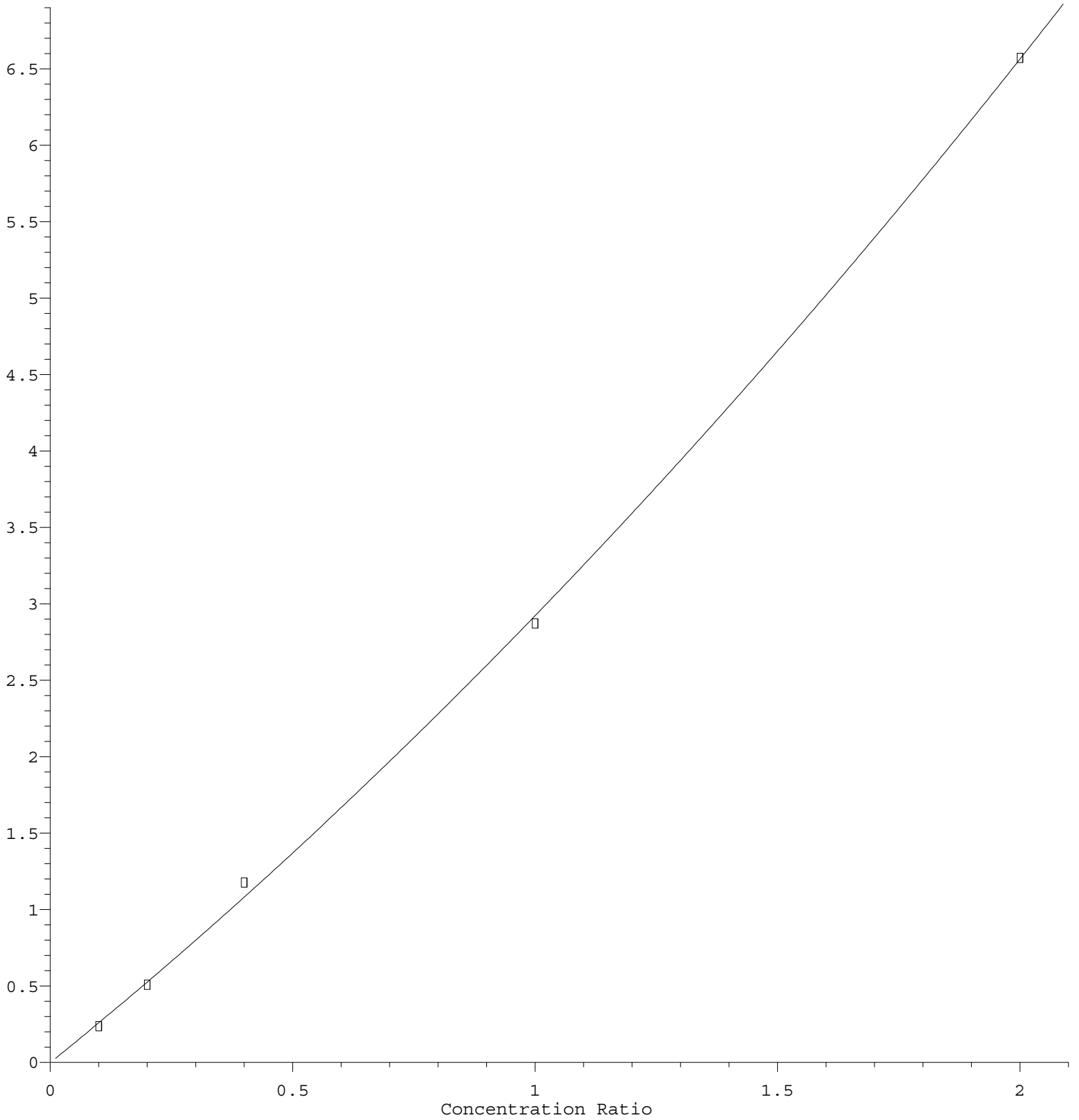
	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.714	0.708	0.667	0.681	0.629	0.664	0.677	4.59
3) P	Chloromethane	0.839	0.779	0.693	0.727	0.680	0.680	0.733	8.77
4) C	Vinyl Chloride	0.819	0.781	0.711	0.727	0.686	0.697	0.737	7.06#
5) T	Bromomethane		0.525	0.437	0.454	0.417	0.392	0.445	11.26
6) T	Chloroethane	0.542	0.505	0.429	0.468	0.424	0.435	0.467	10.27
7) T	Trichlorofluor...	1.157	1.077	1.040	1.097	0.997	1.046	1.069	5.14
8) T	Diethyl Ether	0.457	0.357	0.317	0.363	0.360	0.362	0.369	12.59
9) T	1,1,2-Trichlor...	0.646	0.639	0.587	0.609	0.542	0.590	0.602	6.35
10) T	Methyl Iodide		0.661	0.640	0.704	0.719	0.723	0.690	5.35
11) T	Tert butyl alc...		0.097	0.092	0.095	0.093	0.085	0.092	4.80
12) CM	1,1-Dichloroet...	0.497	0.559	0.526	0.556	0.533	0.548	0.537	4.31#
13) T	Acrolein		0.101	0.131	0.124	0.140	0.136	0.126	12.09
14) T	Allyl chloride	0.952	0.897	0.823	0.843	0.846	0.863	0.871	5.42
15) T	Acrylonitrile	0.298	0.299	0.275	0.303	0.298	0.289	0.294	3.39
16) T	Acetone	0.306	0.269	0.247	0.252	0.252	0.238	0.261	9.28
17) T	Carbon Disulfide	1.978	1.719	1.537	1.647	1.477	1.555	1.652	10.95
18) T	Methyl Acetate	0.871	0.810	0.779	0.758	0.790	0.751	0.793	5.54
19) T	Methyl tert-bu...	1.545	1.685	1.664	1.853	1.873	1.834	1.742	7.53
20) T	Methylene Chlo...	0.656	0.696	0.606	0.658	0.629	0.629	0.646	4.86
21) T	trans-1,2-Dich...	0.632	0.569	0.539	0.574	0.555	0.571	0.573	5.50
22) T	Diisopropyl ether	1.705	1.918	1.834	2.076	2.037	2.026	1.933	7.38
23) T	Vinyl Acetate	1.110	1.270	1.279	1.466	1.495	1.495	1.353	11.67
24) P	1,1-Dichloroet...	1.204	1.226	1.100	1.206	1.170	1.164	1.178	3.81
25) T	2-Butanone	0.386	0.387	0.363	0.398	0.390	0.378	0.384	3.12
26) T	2,2-Dichloropr...	0.930	0.986	0.922	0.985	0.936	0.958	0.953	2.96
27) T	cis-1,2-Dichlo...	0.655	0.669	0.639	0.715	0.683	0.691	0.675	4.02
28) T	Bromochloromet...	0.624	0.595	0.486	0.513	0.542	0.530	0.548	9.44
29) T	Tetrahydrofuran	0.221	0.236	0.233	0.261	0.260	0.248	0.243	6.58
30) C	Chloroform	1.273	1.253	1.169	1.241	1.175	1.197	1.218	3.59#
31) T	Cyclohexane		1.198	1.026	1.033	0.881	0.984	1.024	11.18
32) T	1,1,1-Trichlor...	1.102	1.148	1.000	1.091	1.016	1.053	1.068	5.24
33) S	1,2-Dichloroet...		0.914	0.762	0.754	0.831	0.774	0.807	8.28
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.373	0.310	0.335	0.358	0.359	0.347	7.10
36) T	1,1-Dichloropr...	0.509	0.490	0.441	0.499	0.462	0.521	0.487	6.17
37) T	Ethyl Acetate	0.504	0.520	0.452	0.488	0.488	0.496	0.491	4.66
38) T	Carbon Tetrach...	0.567	0.565	0.529	0.579	0.530	0.574	0.557	3.96
39) T	Methylcyclohexane	0.397	0.437	0.407	0.477	0.463	0.564	0.457	13.29
40) TM	Benzene	1.400	1.474	1.376	1.527	1.449	1.551	1.463	4.70
41) T	Methacrylonitrile	0.241	0.227	0.248	0.268	0.270	0.280	0.256	7.89
42) TM	1,2-Dichloroet...	0.517	0.574	0.522	0.575	0.547	0.569	0.551	4.78
43) T	Isopropyl Acetate	0.793	0.764	0.719	0.801	0.813	0.835	0.787	5.20
44) TM	Trichloroethene	0.352	0.343	0.310	0.352	0.324	0.362	0.341	5.79
45) C	1,2-Dichloropr...	0.371	0.388	0.334	0.388	0.371	0.390	0.374	5.69#
46) T	Dibromomethane	0.292	0.254	0.254	0.277	0.267	0.275	0.270	5.50
47) T	Bromodichlorom...	0.484	0.569	0.514	0.579	0.559	0.590	0.549	7.48
48) T	Methyl methacr...	0.311	0.326	0.321	0.369	0.392	0.406	0.354	11.37
49) T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.006	0.006	0.006	6.72
50) S	Toluene-d8		1.274	1.076	1.207	1.267	1.339	1.232	8.07
51) T	4-Methyl-2-Pen...	0.380	0.443	0.432	0.495	0.492	0.499	0.457	10.33
52) CM	Toluene	0.690	0.835	0.808	0.919	0.870	0.964	0.848	11.27#
53) T	t-1,3-Dichloro...	0.416	0.527	0.481	0.544	0.551	0.594	0.519	11.98
54) T	cis-1,3-Dichlo...	0.450	0.538	0.527	0.601	0.588	0.623	0.554	11.40
55) T	1,1,2-Trichlor...	0.314	0.349	0.309	0.353	0.340	0.348	0.335	5.67

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\										
Method File : 82N011425W.M										
56)	T	Ethyl methacry...	0.317	0.434	0.418	0.521	0.544	0.582	0.469	20.85
57)	T	1,3-Dichloropr...	0.514	0.584	0.555	0.618	0.602	0.627	0.583	7.31
58)	T	2-Chloroethyl ...	0.163	0.205	0.185	0.226	0.241	0.258	0.213	16.67
59)	T	2-Hexanone	0.261	0.302	0.298	0.353	0.357	0.358	0.321	12.60
60)	T	Dibromochlorom...	0.386	0.420	0.368	0.412	0.414	0.430	0.405	5.79
61)	T	1,2-Dibromoethane	0.334	0.321	0.309	0.356	0.334	0.349	0.334	5.16
62)	S	4-Bromofluorob...		0.417	0.357	0.410	0.449	0.475	0.422	10.57
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.323	0.346	0.338	0.365	0.322	0.351	0.341	4.87
65)	PM	Chlorobenzene	1.051	1.110	1.047	1.154	1.076	1.133	1.095	4.03
66)	T	1,1,1,2-Tetrac...	0.425	0.412	0.371	0.408	0.392	0.404	0.402	4.65
67)	C	Ethyl Benzene	1.430	1.709	1.685	1.940	1.867	2.072	1.784	12.67#
68)	T	m/p-Xylenes	0.492	0.616	0.615	0.750	0.707	0.775	0.659	16.01
69)	T	o-Xylene	0.482	0.582	0.584	0.713	0.681	0.738	0.630	15.47
70)	T	Styrene	0.742	0.929	0.956	1.186	1.173	1.271	1.043	19.21
71)	P	Bromoform	0.235	0.284	0.273	0.312	0.311	0.311	0.288	10.61
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	2.766	3.157	3.272	3.681	3.448	3.922	3.375	12.06
74)	T	N-amyl acetate	1.364	1.394	1.405	1.642	1.622	1.673	1.517	9.43
75)	P	1,1,2,2-Tetrac...	1.314	1.228	1.157	1.187	1.145	1.121	1.192	5.89
76)	T	1,2,3-Trichlor...	1.104	0.965	0.957	1.118	0.893	1.061	1.016	8.96
77)	T	Bromobenzene	0.871	0.880	0.857	0.906	0.858	0.919	0.882	2.90
78)	T	n-propylbenzene	3.227	3.605	3.846	4.400	4.154	4.738	3.995	13.74
79)	T	2-Chlorotoluene	2.252	2.533	2.571	2.761	2.585	2.812	2.586	7.67
80)	T	1,3,5-Trimethy...	2.160	2.529	2.695	3.140	2.940	3.260	2.787	14.69
81)	T	trans-1,4-Dich...		0.335	0.347	0.386	0.390	0.419	0.376	9.04
82)	T	4-Chlorotoluene	2.144	2.536	2.512	2.820	2.588	2.847	2.574	9.91
83)	T	tert-Butylbenzene	1.885	2.189	2.236	2.570	2.439	2.726	2.341	12.85
84)	T	1,2,4-Trimethy...	1.888	2.542	2.710	3.190	3.016	3.323	2.778	18.89
85)	T	sec-Butylbenzene	2.318	3.026	3.147	3.643	3.421	3.912	3.244	17.17
86)	T	p-Isopropyltol...	1.777	2.368	2.541	2.942	2.872	3.286	2.631	20.04
87)	T	1,3-Dichlorobe...	1.526	1.656	1.574	1.701	1.565	1.720	1.624	4.91
88)	T	1,4-Dichlorobe...	1.767	1.743	1.607	1.713	1.562	1.706	1.683	4.78
89)	T	n-Butylbenzene	1.772	2.176	2.168	2.485	2.483	2.881	2.327	16.22
90)	T	Hexachloroethane	0.681	0.616	0.574	0.613	0.577	0.645	0.618	6.59
91)	T	1,2-Dichlorobe...	1.766	1.600	1.532	1.654	1.555	1.611	1.620	5.15
92)	T	1,2-Dibromo-3-...	0.202	0.228	0.212	0.224	0.222	0.218	0.218	4.31
93)	T	1,2,4-Trichlor...	0.658	0.717	0.704	0.799	0.781	0.858	0.753	9.69
94)	T	Hexachlorobuta...	0.413	0.441	0.395	0.396	0.367	0.386	0.400	6.31
95)	T	Naphthalene	2.115	1.987	1.958	2.348	2.482	2.588	2.246	11.79
96)	T	1,2,3-Trichlor...	0.750	0.693	0.732	0.792	0.786	0.817	0.762	5.96

(#) = Out of Range

p-Isopropyltoluene

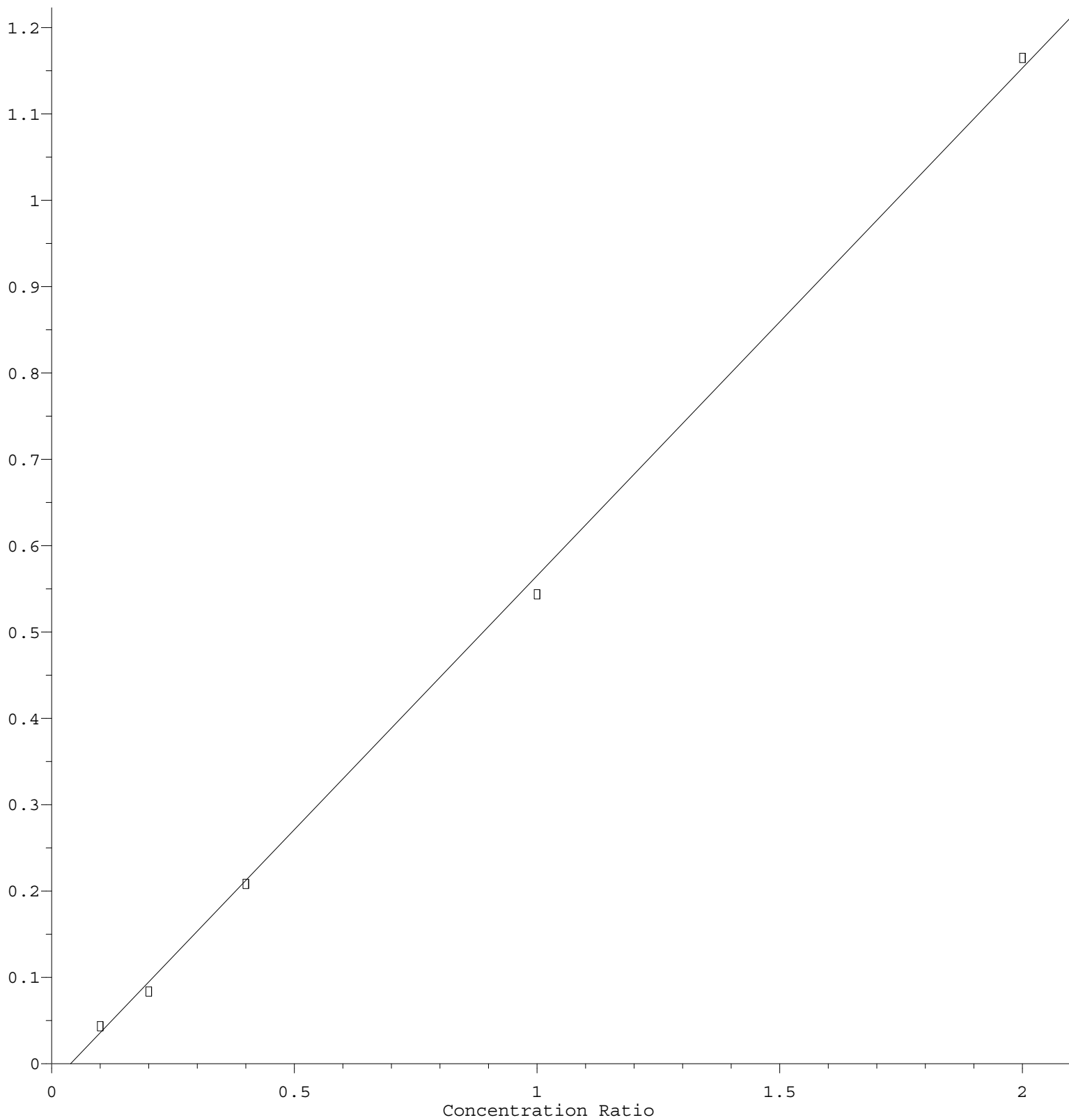
Response Ratio



$R = 3.594e-001 A^2 + 2.563e+000 A - 1.210e-003$
 Coef of Det (r^2) = 0.999599 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N011425W.M
 Calibration Table Last Updated: Wed Jan 15 02:16:08 2025

Ethyl methacrylate

Response Ratio



$$\text{Response} = 5.877\text{e-}001 * \text{Amt} - 2.270\text{e-}002$$

Coef of Det (r^2) = 0.998904 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N011425W.M

Calibration Table Last Updated: Wed Jan 15 02:16:08 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085438.D
 Acq On : 14 Jan 2025 14:56
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 15 01:41:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 01:28:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	202613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	329363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146196	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.571	65	313645	95.899	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 191.800%#		
35) Dibromofluoromethane	8.159	113	236159	103.353	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 206.700%#		
50) Toluene-d8	10.565	98	881956	108.636	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 217.280%#		
62) 4-Bromofluorobenzene	12.847	95	313161	112.765	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 225.520%#		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	269023	98.065	ug/l	99
3) Chloromethane	2.359	50	275415	92.724	ug/l	98
4) Vinyl Chloride	2.512	62	282361	94.576	ug/l	99
5) Bromomethane	2.942	94	158888	88.105	ug/l	98
6) Chloroethane	3.112	64	176111	93.043	ug/l	99
7) Trichlorofluoromethane	3.494	101	423967	97.870	ug/l	100
8) Diethyl Ether	3.953	74	146889	98.154	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	239104	97.997	ug/l	99
10) Methyl Iodide	4.589	142	292983	104.856	ug/l	95
11) Tert butyl alcohol	5.512	59	173044	462.061	ug/l	99
12) 1,1-Dichloroethene	4.336	96	222117	102.146	ug/l	99
13) Acrolein	4.171	56	275350	538.600	ug/l	99
14) Allyl chloride	5.018	41	349717	99.111	ug/l	98
15) Acrylonitrile	5.712	53	585370	492.095	ug/l	99
16) Acetone	4.418	43	483221	457.268	ug/l	96
17) Carbon Disulfide	4.712	76	630294	94.140	ug/l	100
18) Methyl Acetate	5.012	43	304226	94.674	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	743008	105.230	ug/l	100
20) Methylene Chloride	5.271	84	254912	97.440	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	231503	99.618	ug/l	97
22) Diisopropyl ether	6.665	45	820871	104.812	ug/l	99
23) Vinyl Acetate	6.594	43	3029568	550.850	ug/l	99
24) 1,1-Dichloroethane	6.565	63	471831	98.803	ug/l	99
25) 2-Butanone	7.477	43	764979	491.912	ug/l	98
26) 2,2-Dichloropropane	7.482	77	388140	100.530	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	280197	102.367	ug/l	99
28) Bromochloromethane	7.806	49	214796	96.679	ug/l	100
29) Tetrahydrofuran	7.830	42	503459	510.635	ug/l	99
30) Chloroform	7.959	83	484941	98.253	ug/l	100
31) Cyclohexane	8.253	56	398641	96.041	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	426782	98.578	ug/l	98
36) 1,1-Dichloropropene	8.365	75	342961	106.945	ug/l	100
37) Ethyl Acetate	7.553	43	326802	100.961	ug/l	97
38) Carbon Tetrachloride	8.359	117	378390	103.065	ug/l	97
39) Methylcyclohexane	9.594	83	371734	123.354	ug/l	99
40) Benzene	8.600	78	1021393	106.001	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085438.D
 Acq On : 14 Jan 2025 14:56
 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 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:41:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 01:28:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	184326	109.454	ug/l	96
42) 1,2-Dichloroethane	8.665	62	374938	103.314	ug/l	100
43) Isopropyl Acetate	8.682	43	549969	106.035	ug/l	100
44) Trichloroethene	9.347	130	238296	106.242	ug/l	96
45) 1,2-Dichloropropane	9.618	63	256964	104.405	ug/l	97
46) Dibromomethane	9.706	93	180990	101.913	ug/l	99
47) Bromodichloromethane	9.882	83	388499	107.377	ug/l	98
48) Methyl methacrylate	9.676	41	267689	114.685	ug/l	99
49) 1,4-Dioxane	9.688	88	83879	2133.992	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	1643800	546.159	ug/l	100
52) Toluene	10.623	92	634743	113.689	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	391238	114.424	ug/l	97
54) cis-1,3-Dichloropropene	10.306	75	410403	112.369	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	229522	103.879	ug/l	98
56) Ethyl methacrylate	10.870	69	383663	101.029	ug/l	99
57) 1,3-Dichloropropane	11.159	76	412886	107.469	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	848636	605.243	ug/l	100
59) 2-Hexanone	11.194	43	1178831	556.643	ug/l	99
60) Dibromochloromethane	11.353	129	283361	106.227	ug/l	99
61) 1,2-Dibromoethane	11.465	107	230104	104.623	ug/l	98
64) Tetrachloroethene	11.100	164	209870	102.980	ug/l	98
65) Chlorobenzene	11.888	112	677679	103.482	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	241593	100.517	ug/l	99
67) Ethyl Benzene	11.959	91	1239080	116.169	ug/l	99
68) m/p-Xylenes	12.070	106	927244	235.219	ug/l	99
69) o-Xylene	12.394	106	441279	117.135	ug/l	100
70) Styrene	12.406	104	760136	121.919	ug/l	99
71) Bromoform	12.576	173	186124	108.227	ug/l #	99
73) Isopropylbenzene	12.694	105	1146752	116.221	ug/l	100
74) N-amyl acetate	12.488	43	489217	110.308	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	327767	94.039	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	310115m	104.530	ug/l	
77) Bromobenzene	12.976	156	268616	104.200	ug/l	97
78) n-propylbenzene	13.029	91	1385353	118.600	ug/l	100
79) 2-Chlorotoluene	13.123	91	822258	108.767	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	953066	116.938	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	122508	111.544	ug/l	87
82) 4-Chlorotoluene	13.217	91	832317	110.574	ug/l	99
83) tert-Butylbenzene	13.435	119	797069	116.457	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	971729	119.625	ug/l	100
85) sec-Butylbenzene	13.611	105	1143885	120.587	ug/l	100
86) p-Isopropyltoluene	13.723	119	960747	100.111	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	502960	105.943	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	498709	101.341	ug/l	97
89) n-Butylbenzene	14.053	91	842368	123.781	ug/l	98
90) Hexachloroethane	14.329	117	188541	104.405	ug/l	100
91) 1,2-Dichlorobenzene	14.100	146	470919	99.445	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	63846	100.313	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	250787	113.946	ug/l	99
94) Hexachlorobutadiene	15.500	225	112899	96.619	ug/l	99
95) Naphthalene	15.635	128	756816	115.234	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	238860	107.256	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
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 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

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

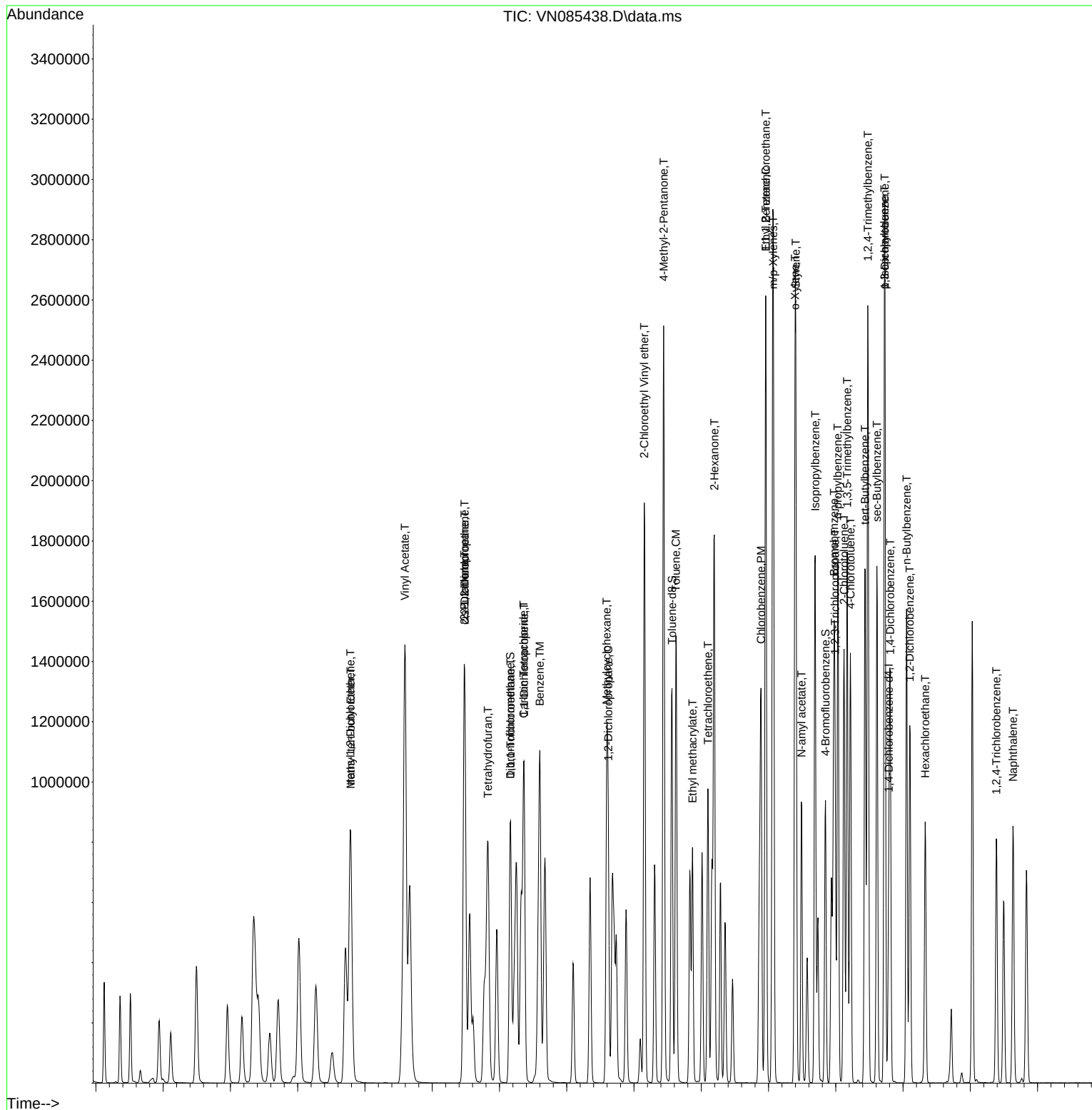
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Data File : VN085438.D  
Acq On    : 14 Jan 2025   14:56  
Operator  : JC\MD  
Sample    : VSTDICC100  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 4   Sample Multiplier: 1
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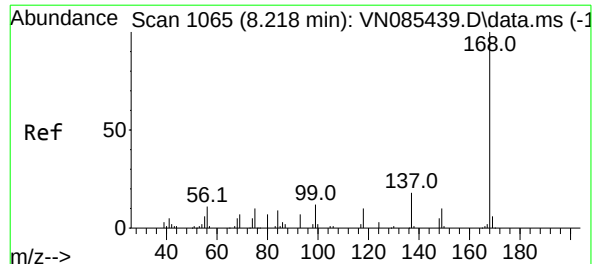
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

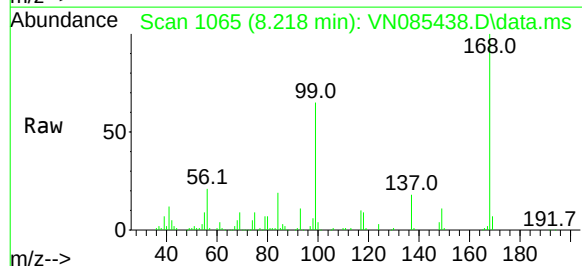
Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\M\$VOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

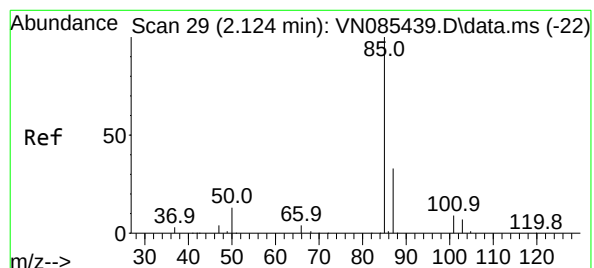
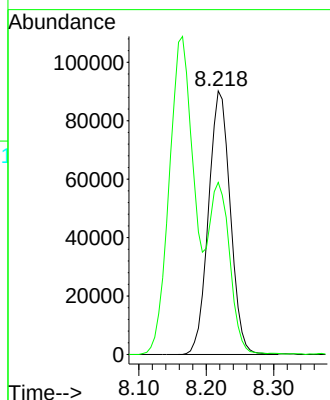
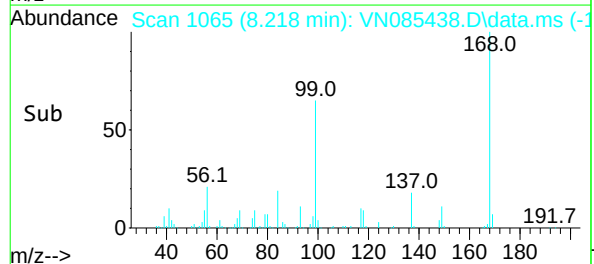
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:168 Resp: 202613
Ion Ratio Lower Upper
168 100
99 64.9 53.6 80.4

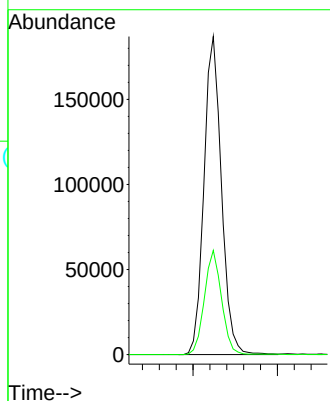
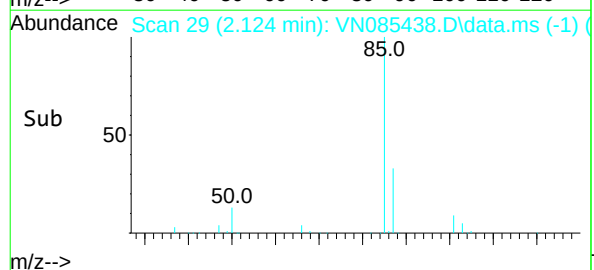
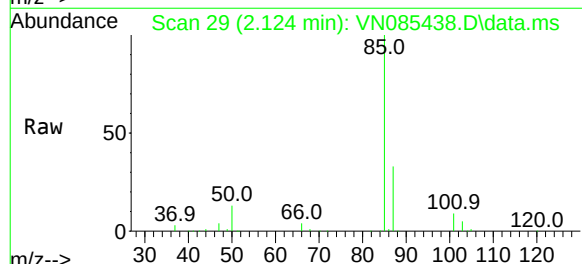
Manual Integrations
APPROVED

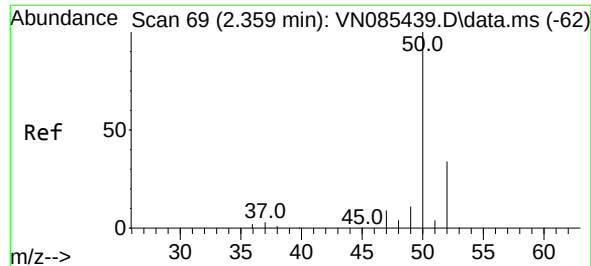
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#2
Dichlorodifluoromethane
Concen: 98.065 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 85 Resp: 269023
Ion Ratio Lower Upper
85 100
87 32.7 16.7 50.1





#3

Chloromethane

Concen: 92.724 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 50 Resp: 275415

Ion Ratio Lower Upper

50 100

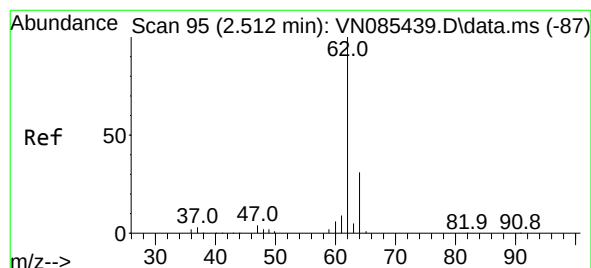
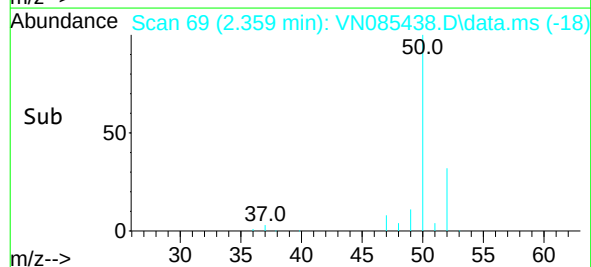
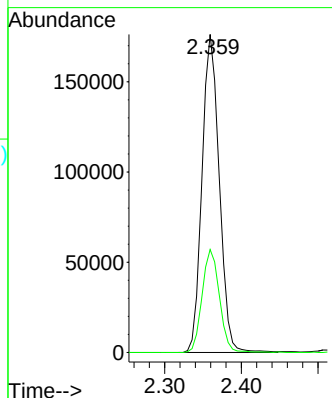
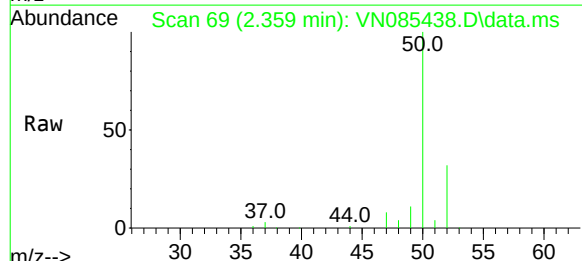
52 32.4 27.0 40.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#4

Vinyl Chloride

Concen: 94.576 ug/l

RT: 2.512 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN085438.D

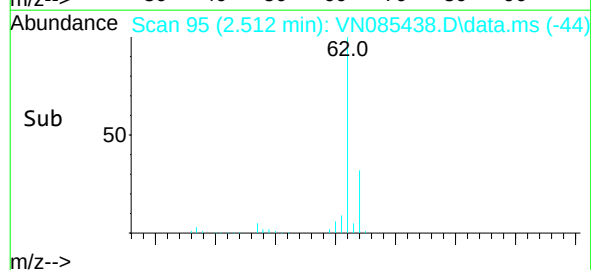
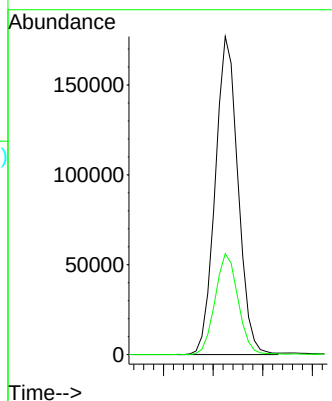
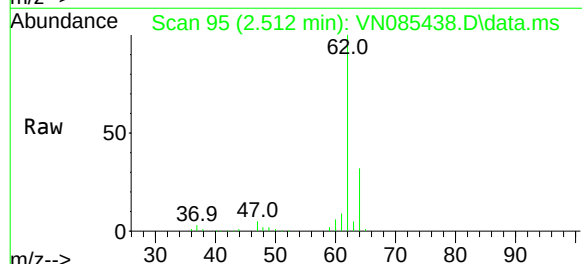
Acq: 14 Jan 2025 14:56

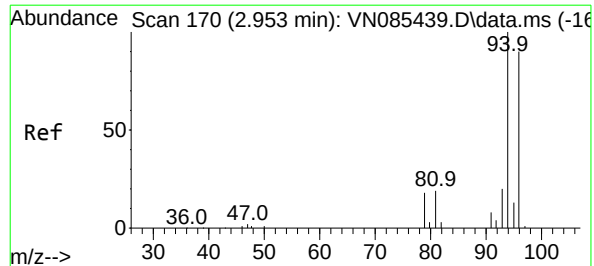
Tgt Ion: 62 Resp: 282361

Ion Ratio Lower Upper

62 100

64 31.6 24.8 37.2





#5

Bromomethane

Concen: 88.105 ug/l

RT: 2.942 min Scan# 16

Delta R.T. -0.012 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 158888

Ion Ratio Lower Upper

94 100

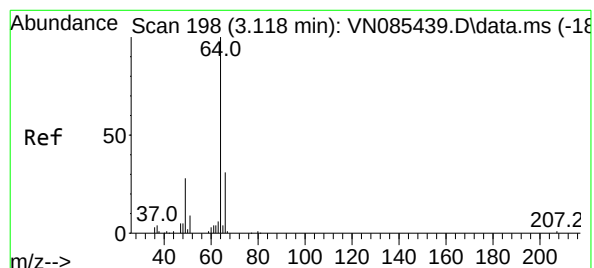
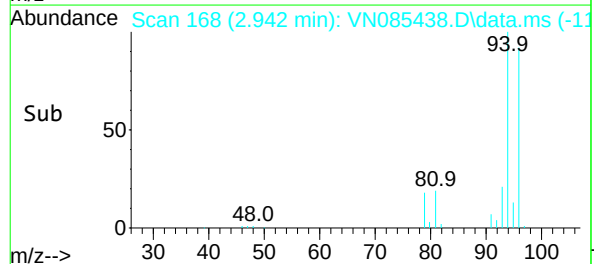
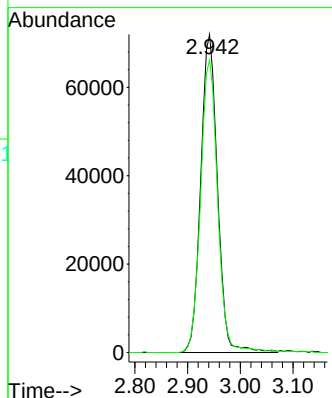
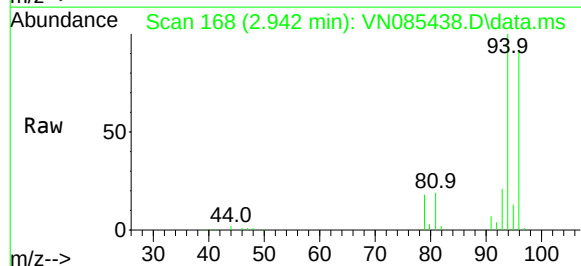
96 91.9 71.8 107.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#6

Chloroethane

Concen: 93.043 ug/l

RT: 3.112 min Scan# 197

Delta R.T. -0.006 min

Lab File: VN085438.D

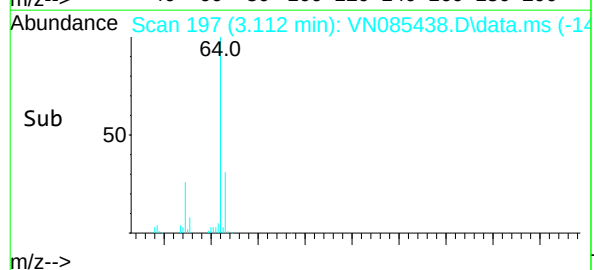
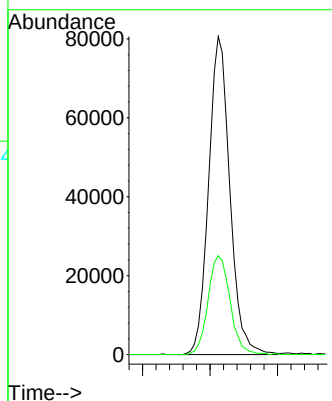
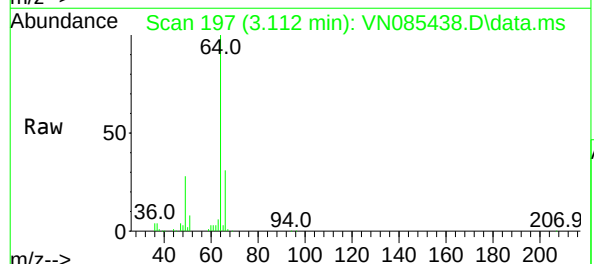
Acq: 14 Jan 2025 14:56

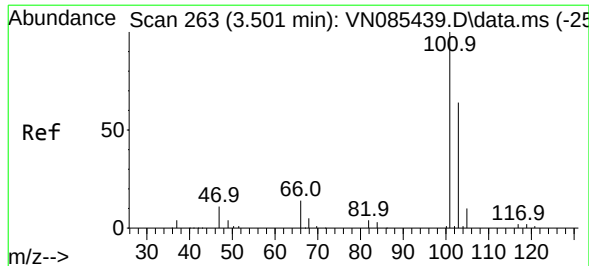
Tgt Ion: 64 Resp: 176111

Ion Ratio Lower Upper

64 100

66 31.1 24.6 36.8





#7

Trichlorofluoromethane

Concen: 97.870 ug/l

RT: 3.494 min Scan# 26

Delta R.T. -0.006 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:101 Resp: 423967

Ion Ratio Lower Upper

101 100

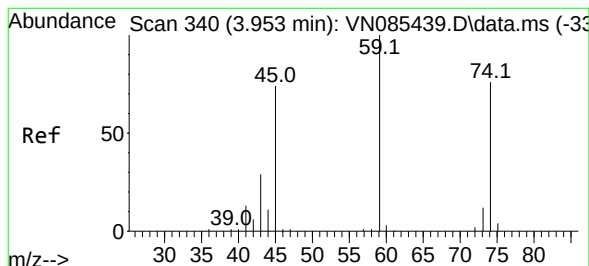
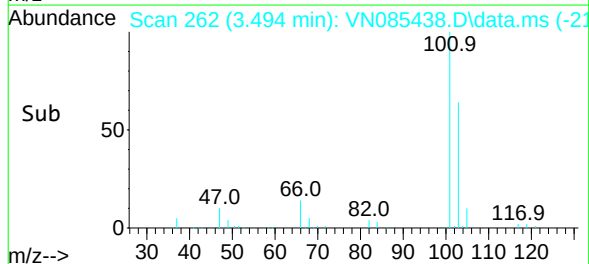
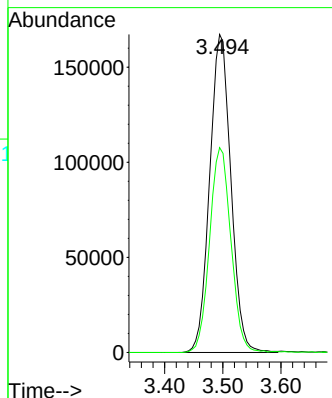
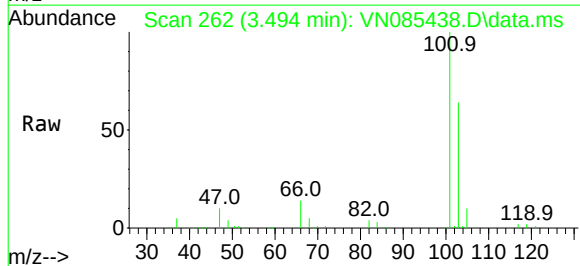
103 64.4 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#8

Diethyl Ether

Concen: 98.154 ug/l

RT: 3.953 min Scan# 340

Delta R.T. -0.000 min

Lab File: VN085438.D

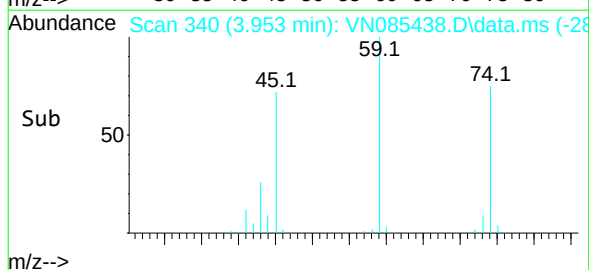
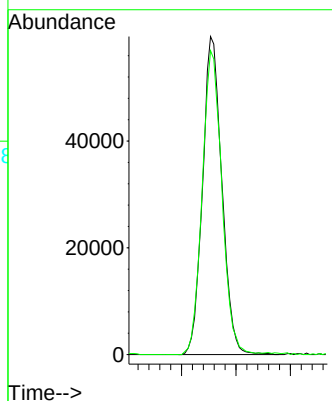
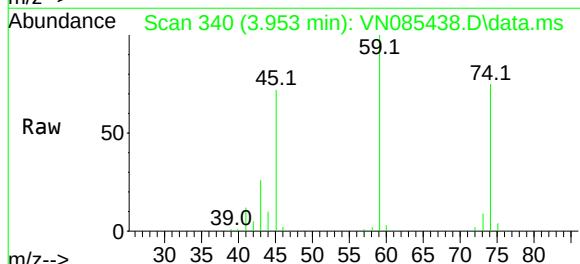
Acq: 14 Jan 2025 14:56

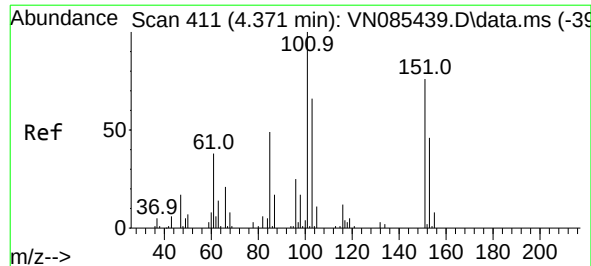
Tgt Ion: 74 Resp: 146889

Ion Ratio Lower Upper

74 100

45 97.4 49.7 149.1





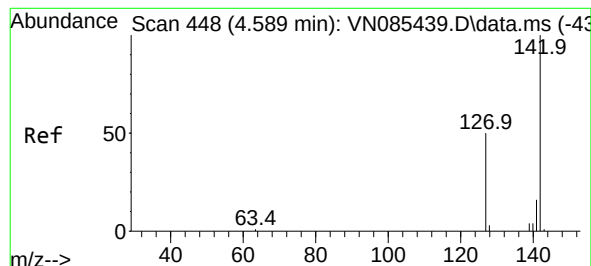
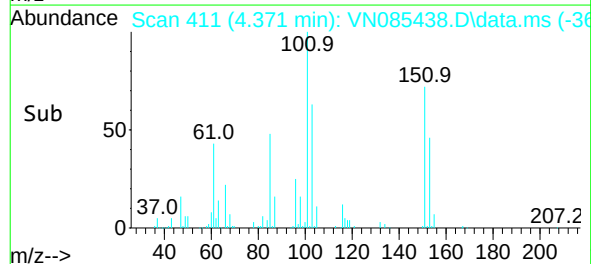
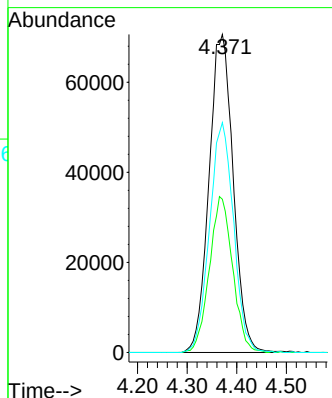
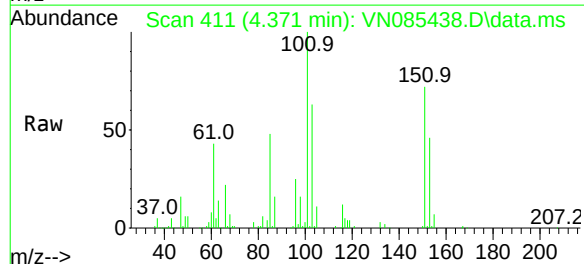
#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.997 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 239104
Ion Ratio Lower Upper
101 100
85 47.1 37.8 56.8
151 71.8 58.8 88.2

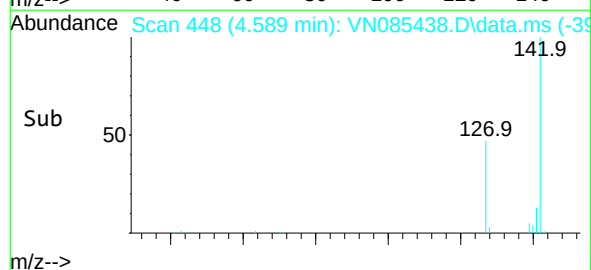
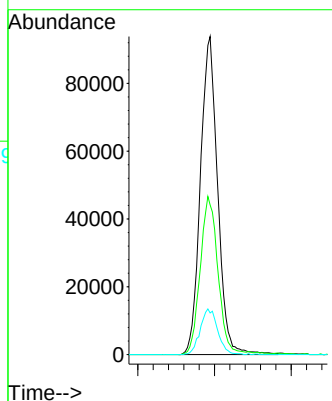
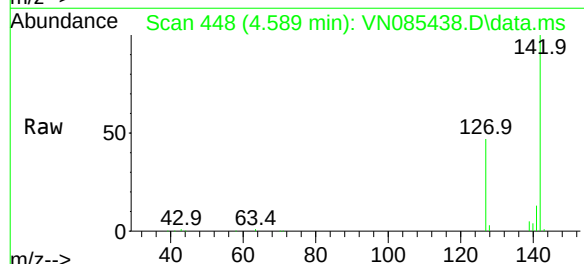
Manual Integrations
APPROVED

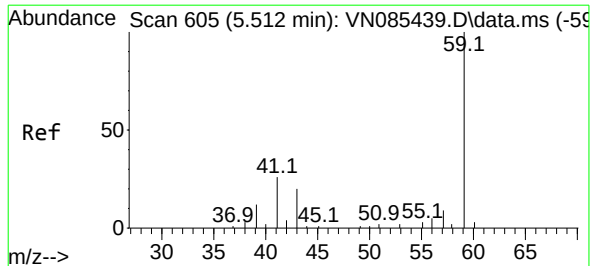
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#10
Methyl Iodide
Concen: 104.856 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:142 Resp: 292983
Ion Ratio Lower Upper
142 100
127 47.1 40.3 60.5
141 13.1 12.8 19.2





#11

Tert butyl alcohol

Concen: 462.061 ug/l

RT: 5.512 min Scan# 605

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 173044

Ion Ratio Lower Upper

59 100

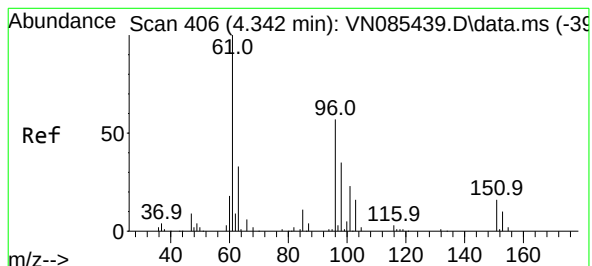
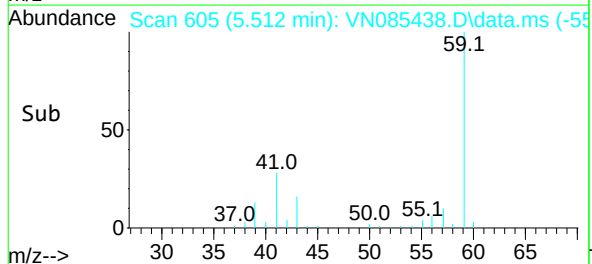
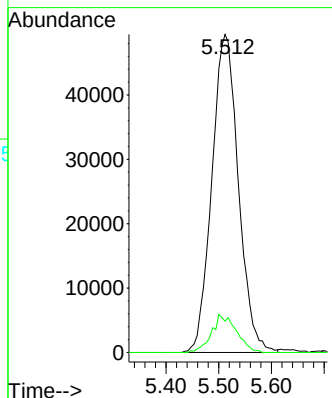
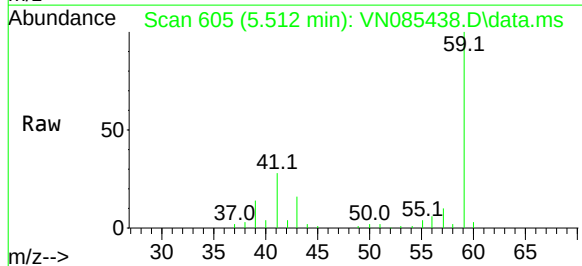
57 11.1 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#12

1,1-Dichloroethene

Concen: 102.146 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.006 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

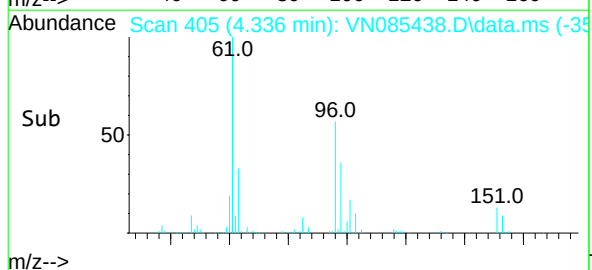
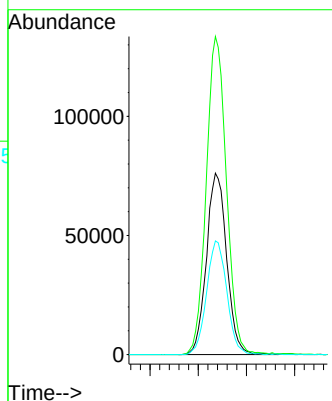
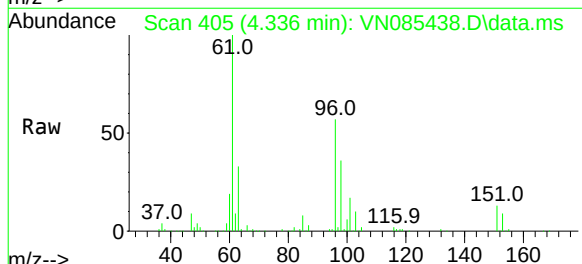
Tgt Ion: 96 Resp: 222117

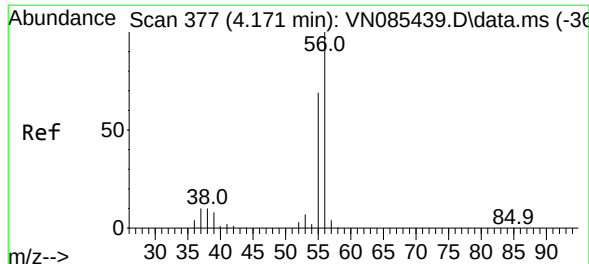
Ion Ratio Lower Upper

96 100

61 175.3 141.0 211.4

98 62.7 49.0 73.6





#13

Acrolein

Concen: 538.600 ug/l

RT: 4.171 min Scan# 377

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 275350

Ion Ratio Lower Upper

56 100

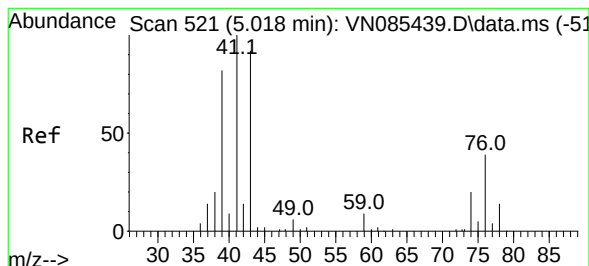
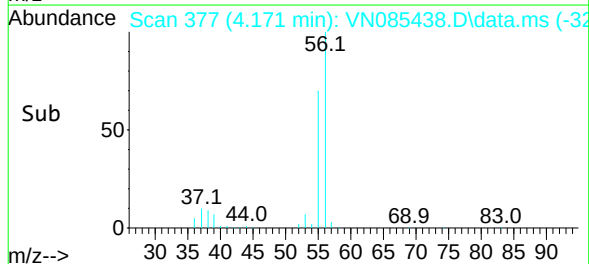
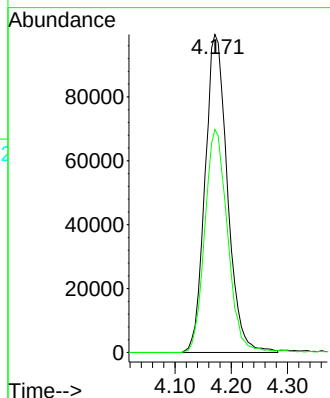
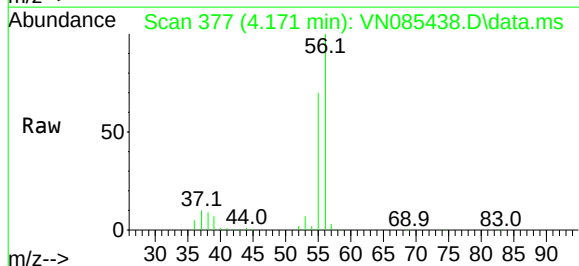
55 71.1 56.3 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#14

Allyl chloride

Concen: 99.111 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

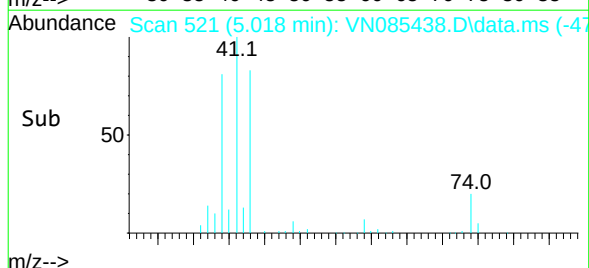
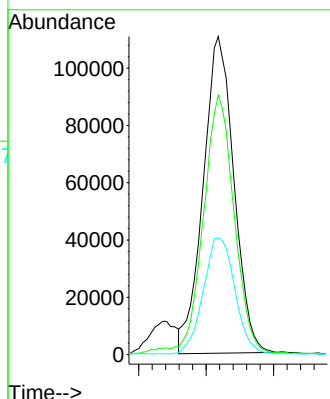
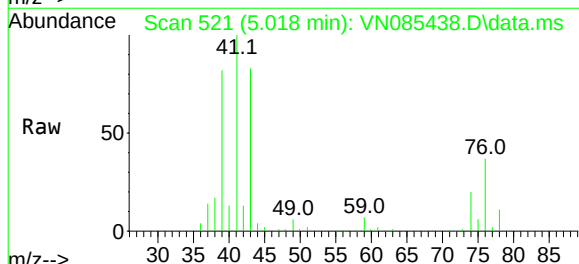
Tgt Ion: 41 Resp: 349717

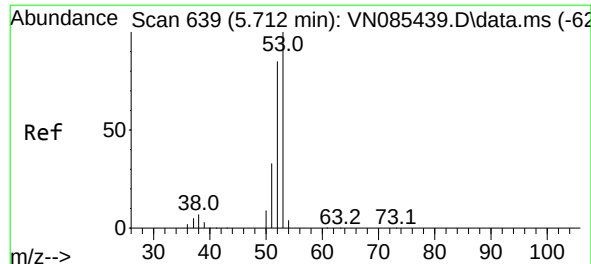
Ion Ratio Lower Upper

41 100

39 83.3 64.4 96.6

76 37.9 30.5 45.7





#15

Acrylonitrile

Concen: 492.095 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

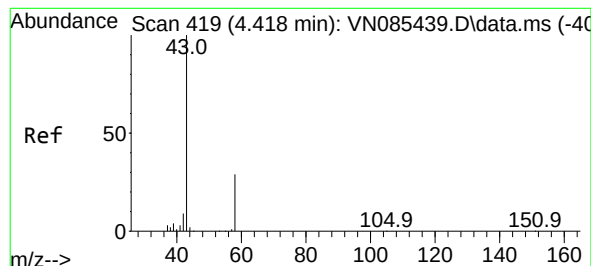
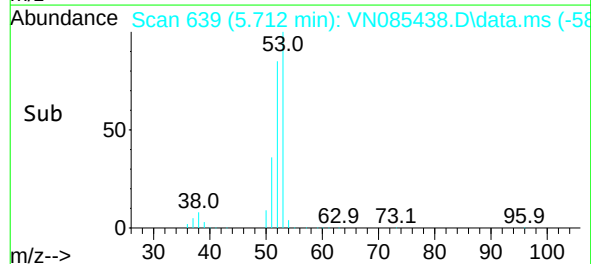
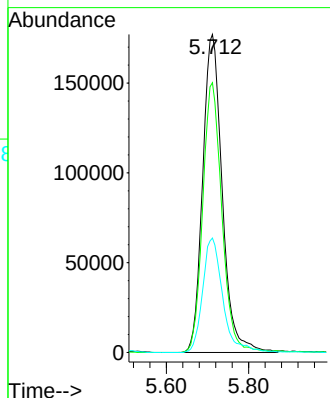
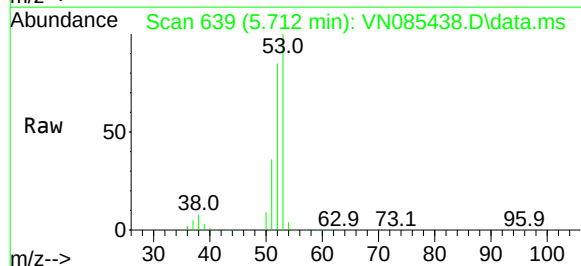
VSTDIC100

Tgt Ion:	53	Resp:	585370
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.5	98.3
51	37.1	29.8	44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#16

Acetone

Concen: 457.268 ug/l

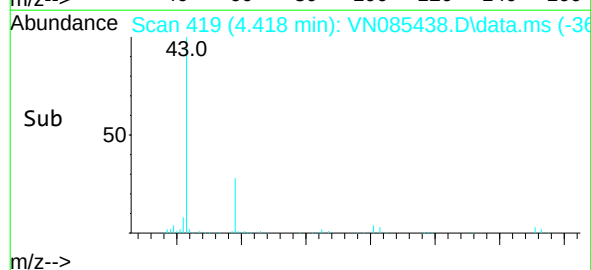
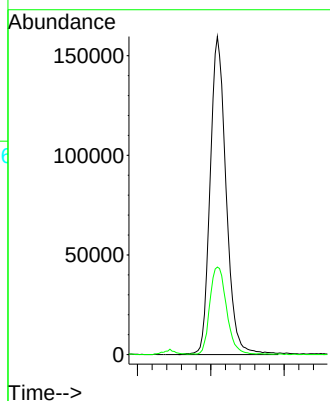
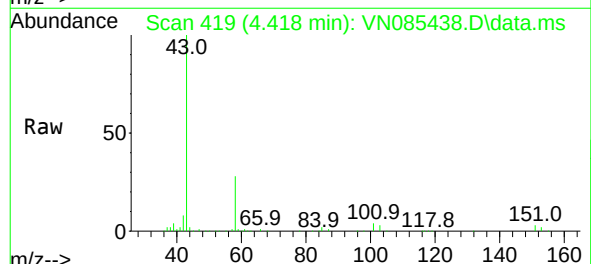
RT: 4.418 min Scan# 419

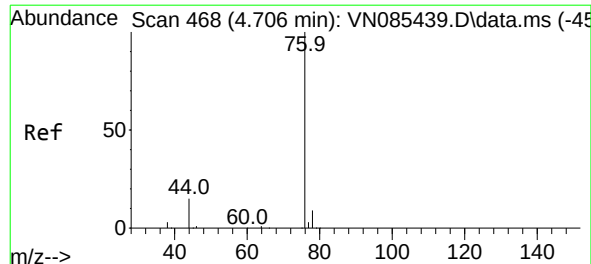
Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Tgt Ion:	43	Resp:	483221
Ion	Ratio	Lower	Upper
43	100		
58	27.3	23.8	35.6





#17

Carbon Disulfide

Concen: 94.140 ug/l

RT: 4.712 min Scan# 46

Delta R.T. 0.006 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 630294

Ion Ratio Lower Upper

76 100

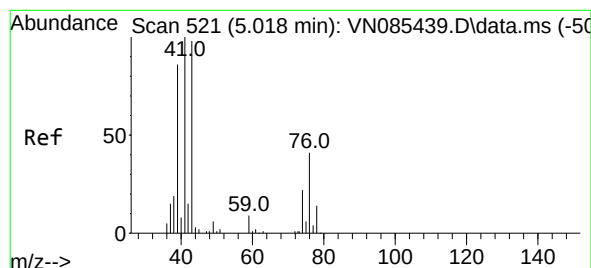
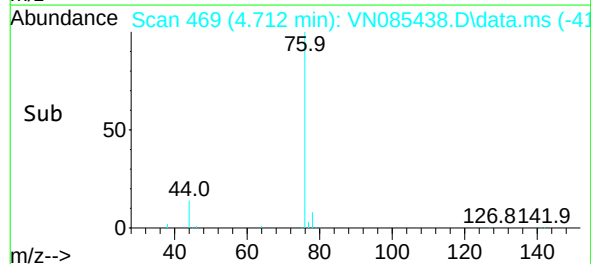
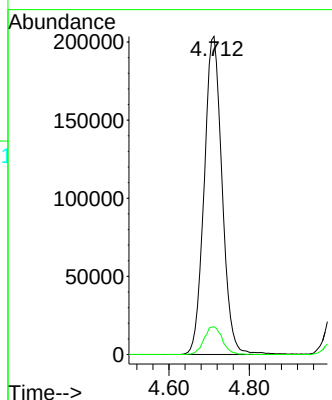
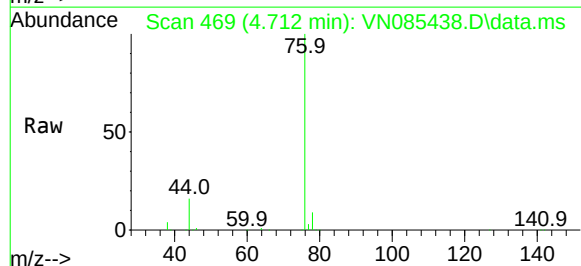
78 8.7 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#18

Methyl Acetate

Concen: 94.674 ug/l

RT: 5.012 min Scan# 520

Delta R.T. -0.006 min

Lab File: VN085438.D

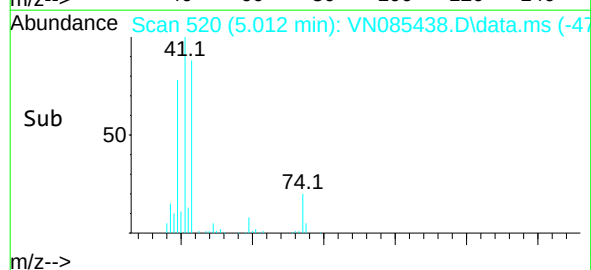
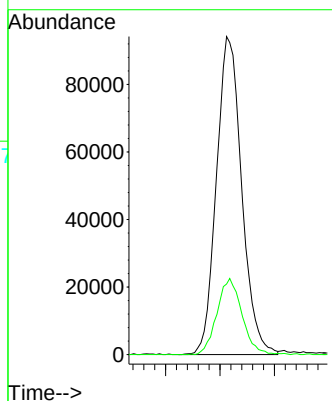
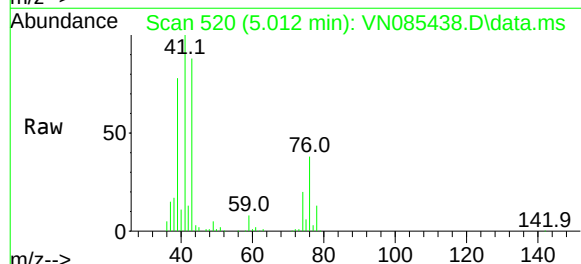
Acq: 14 Jan 2025 14:56

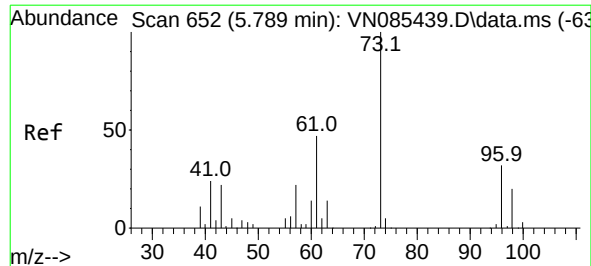
Tgt Ion: 43 Resp: 304226

Ion Ratio Lower Upper

43 100

74 23.6 18.6 28.0





#19

Methyl tert-butyl Ether

Concen: 105.230 ug/l

RT: 5.788 min Scan# 65

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 73 Resp: 743008

Ion Ratio Lower Upper

73 100

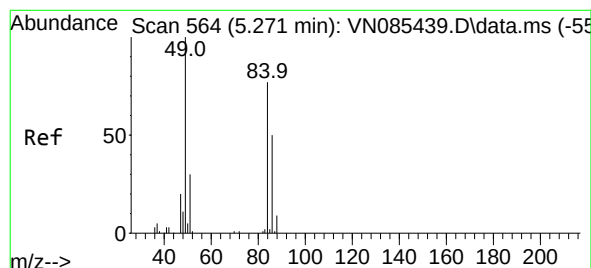
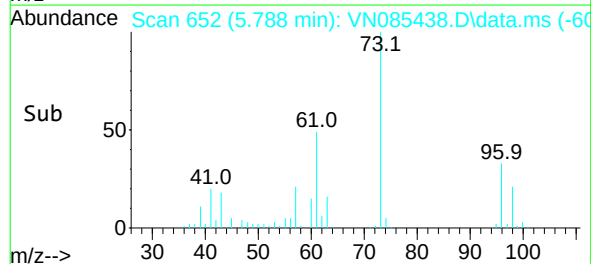
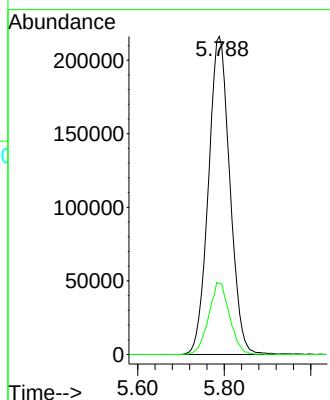
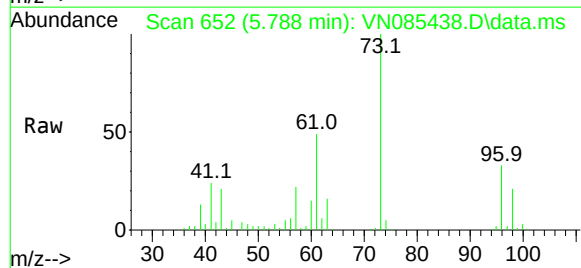
57 22.3 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#20

Methylene Chloride

Concen: 97.440 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Tgt Ion: 84 Resp: 254912

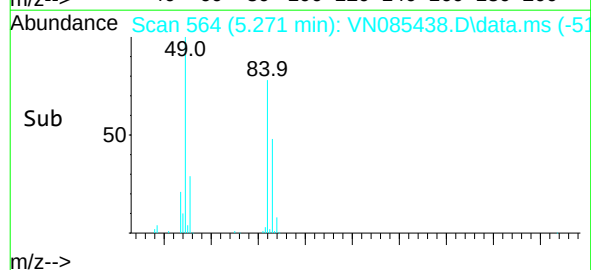
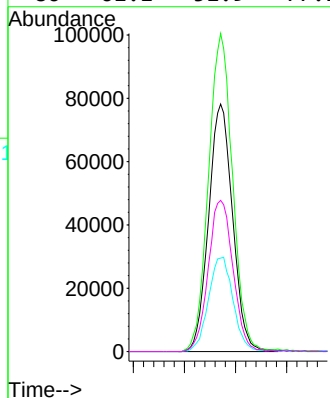
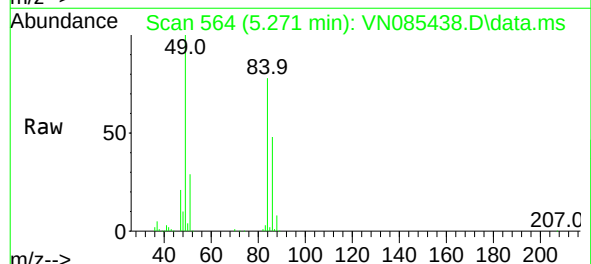
Ion Ratio Lower Upper

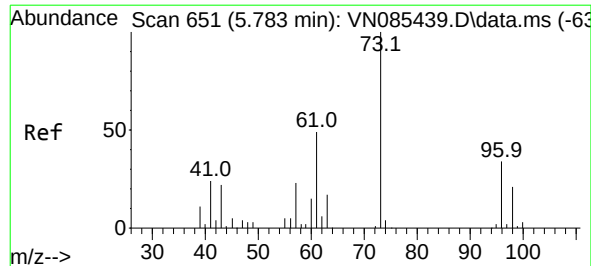
84 100

49 128.5 104.1 156.1

51 37.8 31.0 46.4

86 61.1 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 99.618 ug/l

RT: 5.783 min Scan# 651

Delta R.T. -0.000 min

Lab File: VN085438.D

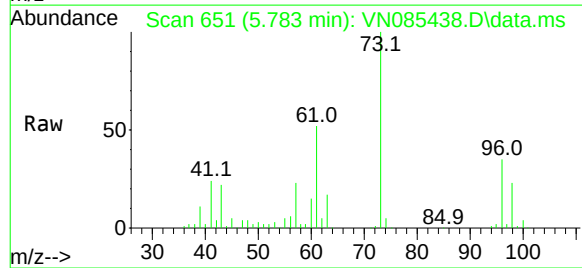
Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100



Tgt Ion: 96 Resp: 231503

Ion Ratio Lower Upper

96 100

61 148.3 115.7 173.5

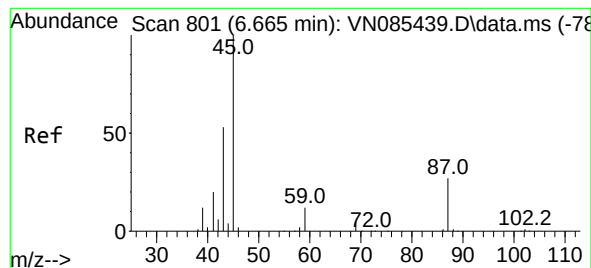
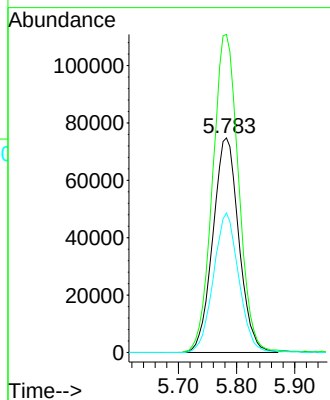
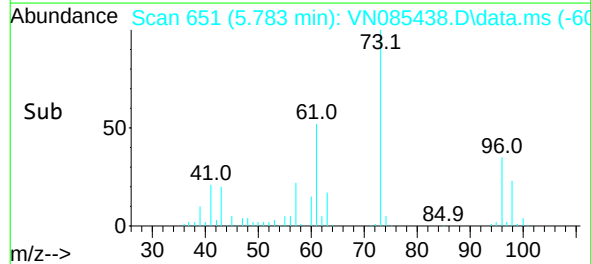
98 65.0 49.8 74.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#22

Diisopropyl ether

Concen: 104.812 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Tgt Ion: 45 Resp: 820871

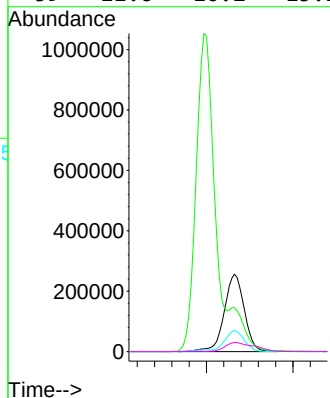
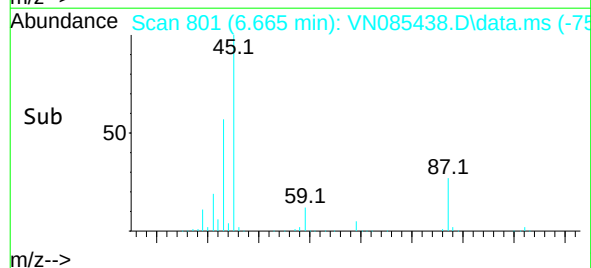
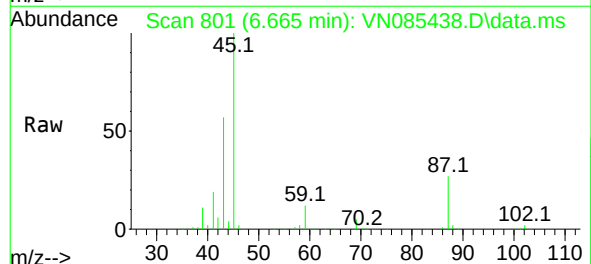
Ion Ratio Lower Upper

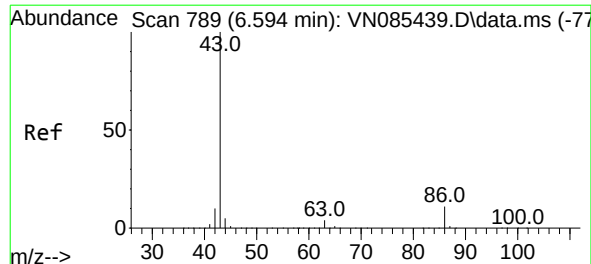
45 100

43 55.7 45.0 67.6

87 27.2 21.8 32.8

59 11.6 10.2 15.2





#23

Vinyl Acetate

Concen: 550.850 ug/l

RT: 6.594 min Scan# 789

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 3029568

Ion Ratio Lower Upper

43 100

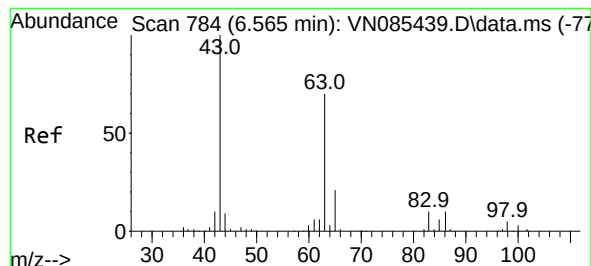
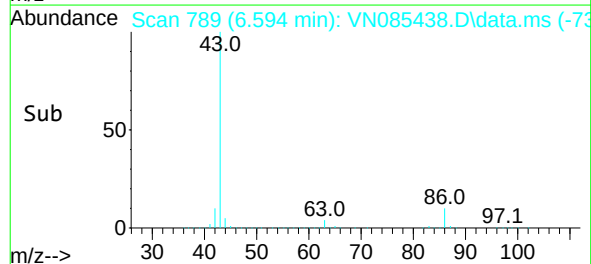
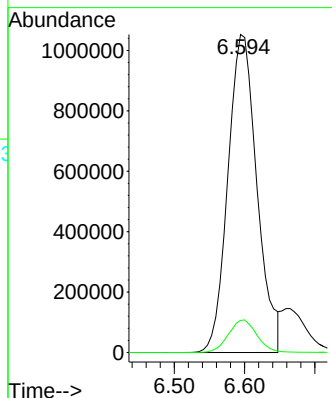
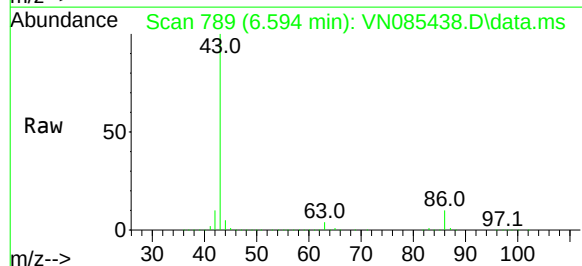
86 10.1 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#24

1,1-Dichloroethane

Concen: 98.803 ug/l

RT: 6.565 min Scan# 784

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

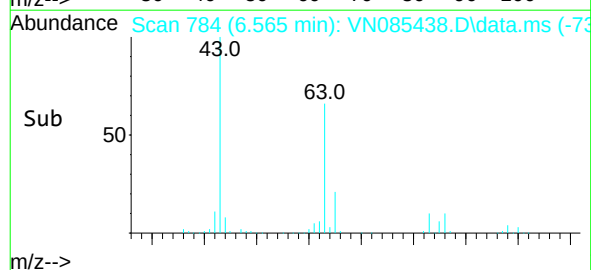
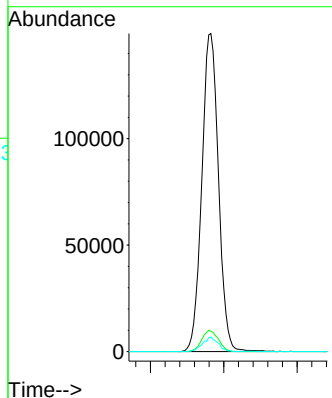
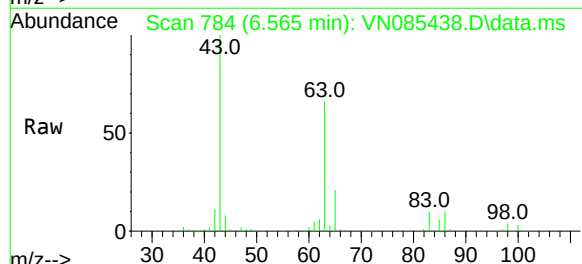
Tgt Ion: 63 Resp: 471831

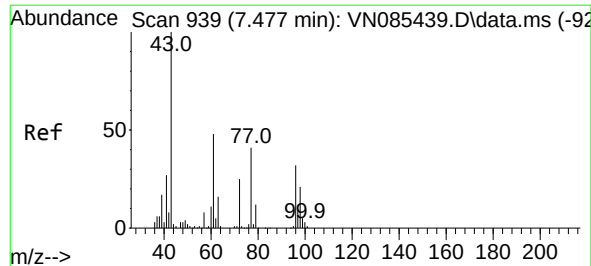
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 491.912 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 764979

Ion Ratio Lower Upper

43 100

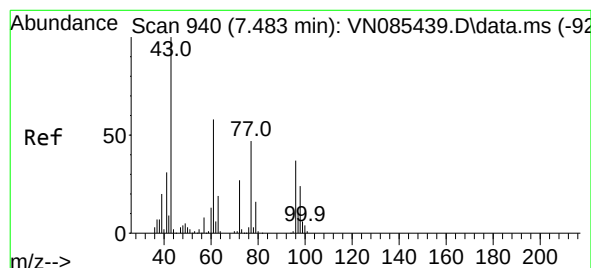
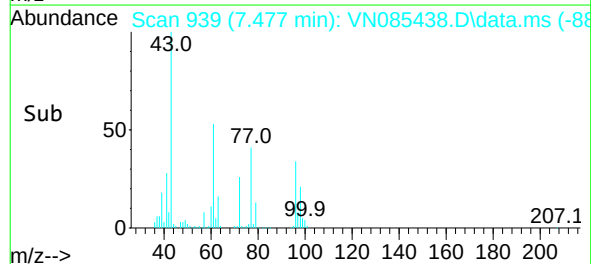
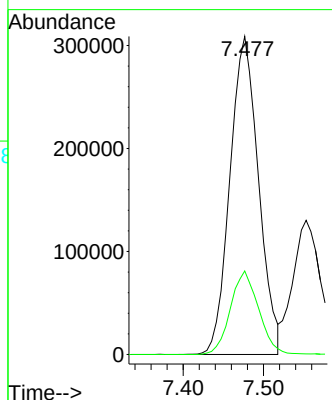
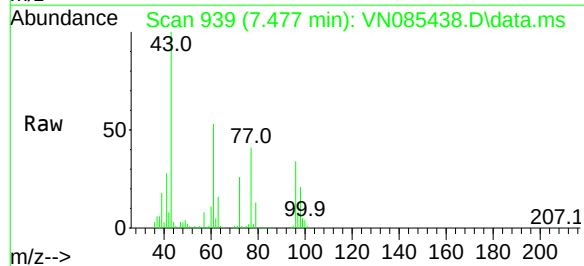
72 26.3 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#26

2,2-Dichloropropane

Concen: 100.530 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085438.D

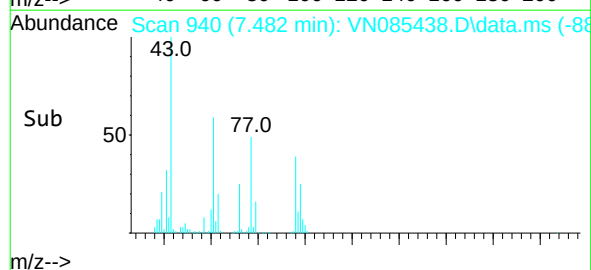
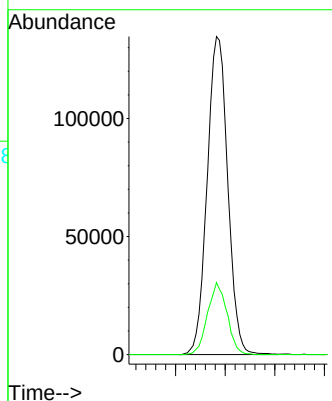
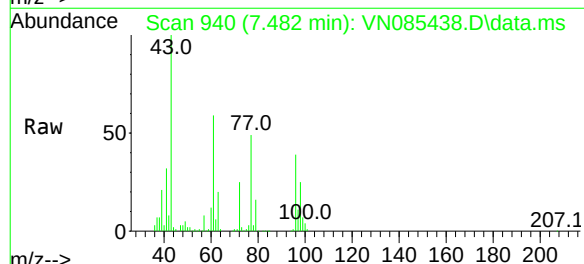
Acq: 14 Jan 2025 14:56

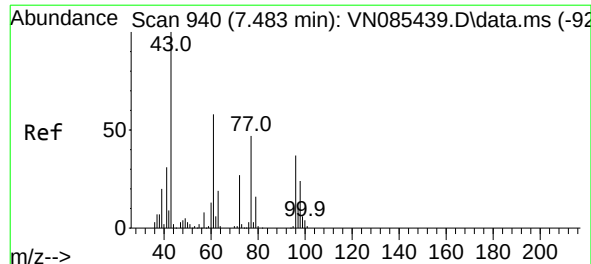
Tgt Ion: 77 Resp: 388140

Ion Ratio Lower Upper

77 100

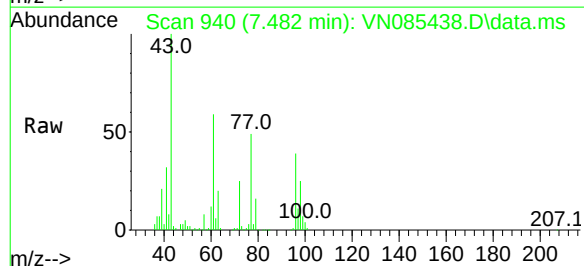
97 21.4 10.7 32.1





#27
cis-1,2-Dichloroethene
Concen: 102.367 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

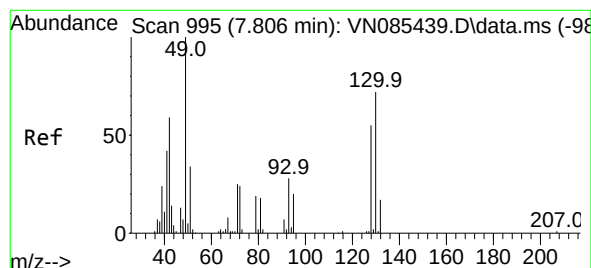
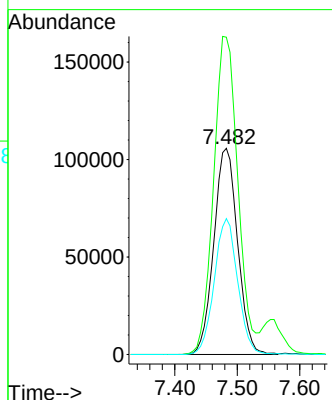
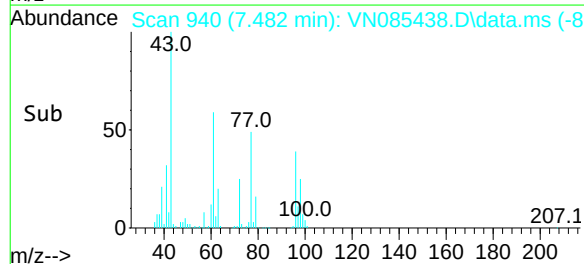
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 280197
Ion Ratio Lower Upper
96 100
61 156.8 0.0 311.8
98 65.0 0.0 126.0

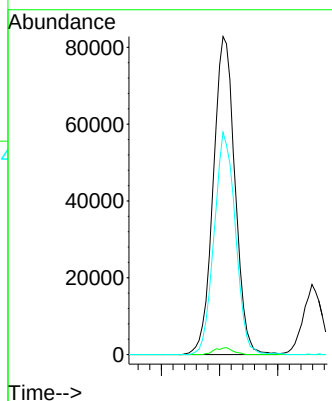
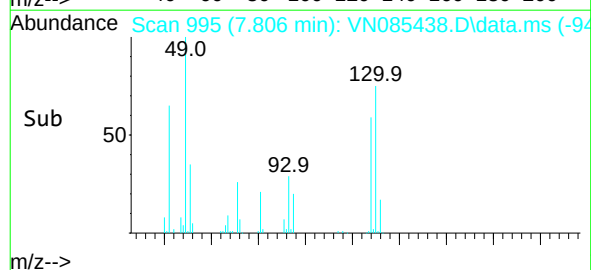
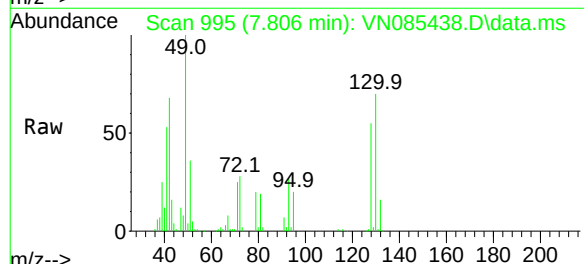
Manual Integrations
APPROVED

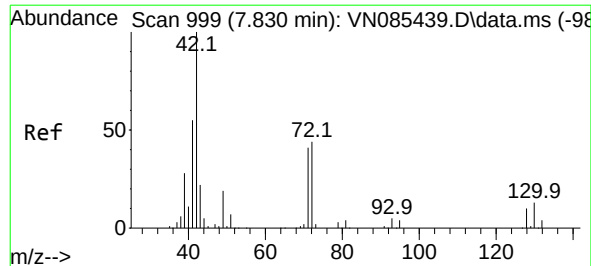
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#28
Bromochloromethane
Concen: 96.679 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 49 Resp: 214796
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.4
130 68.4 55.0 82.4





#29

Tetrahydrofuran

Concen: 510.635 ug/l

RT: 7.830 min Scan# 999

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 503459

Ion Ratio Lower Upper

42 100

72 43.1 34.2 51.2

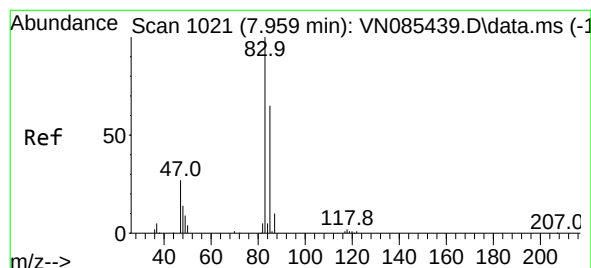
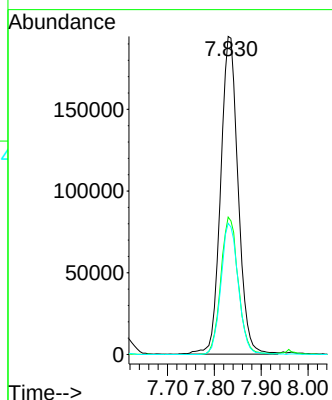
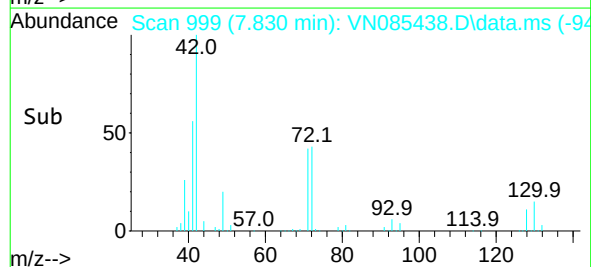
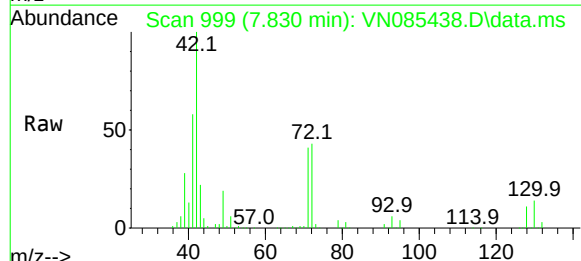
71 40.9 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#30

Chloroform

Concen: 98.253 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085438.D

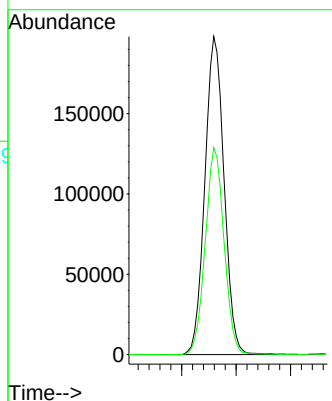
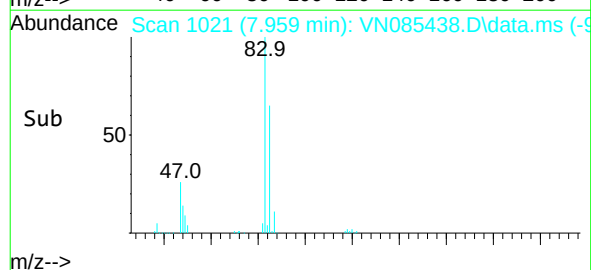
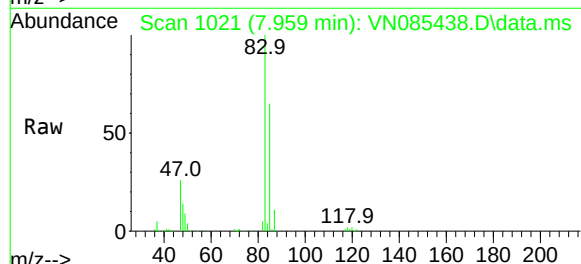
Acq: 14 Jan 2025 14:56

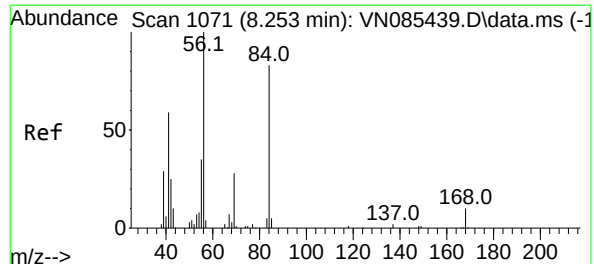
Tgt Ion: 83 Resp: 484941

Ion Ratio Lower Upper

83 100

85 65.0 51.8 77.6





#31

Cyclohexane

Concen: 96.041 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 398641

Ion Ratio Lower Upper

56 100

69 29.2 22.2 33.4

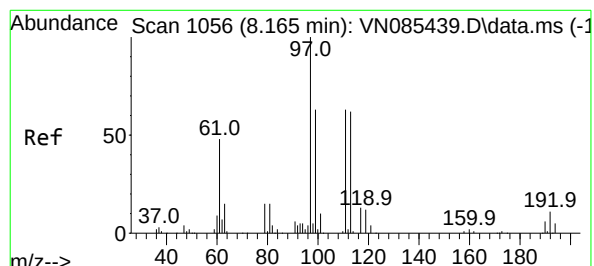
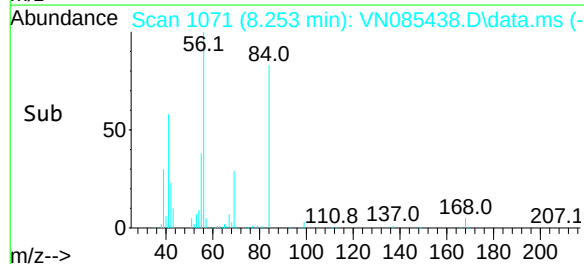
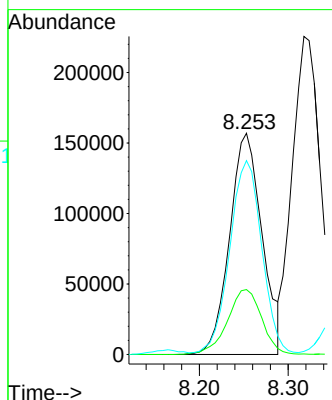
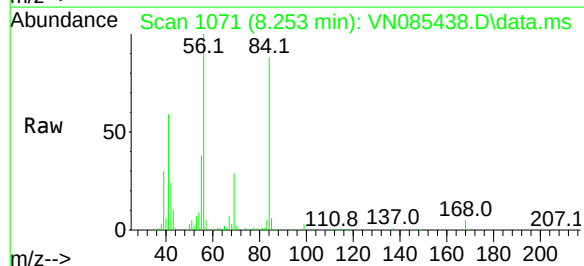
84 86.4 66.4 99.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#32

1,1,1-Trichloroethane

Concen: 98.578 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

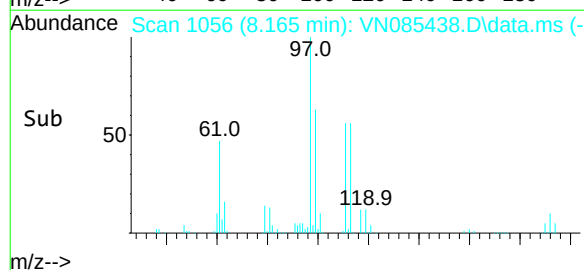
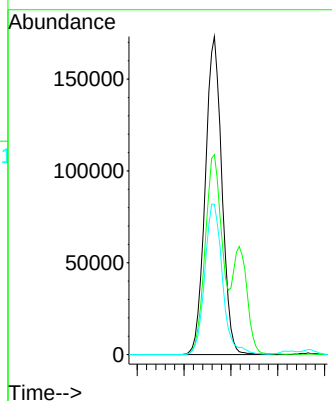
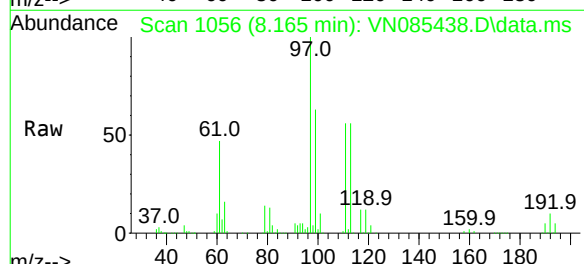
Tgt Ion: 97 Resp: 426782

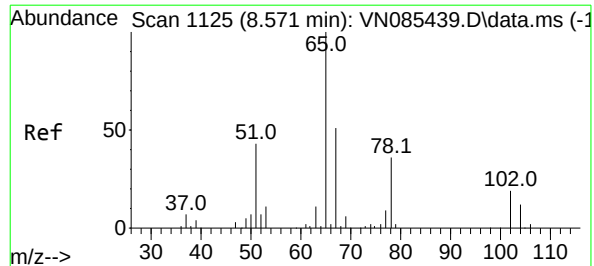
Ion Ratio Lower Upper

97 100

99 64.2 49.8 74.6

61 50.6 41.4 62.2





#33

1,2-Dichloroethane-d4

Concen: 95.899 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 313645

Ion Ratio Lower Upper

65 100

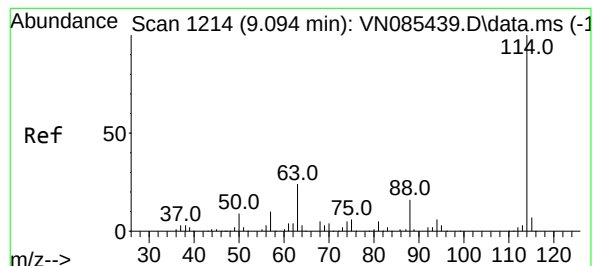
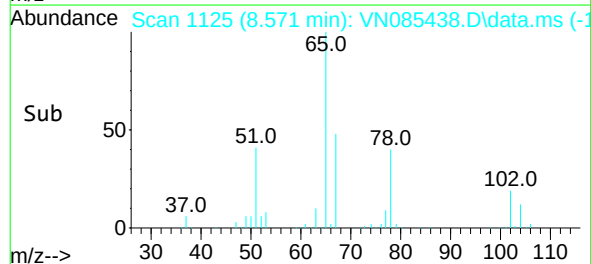
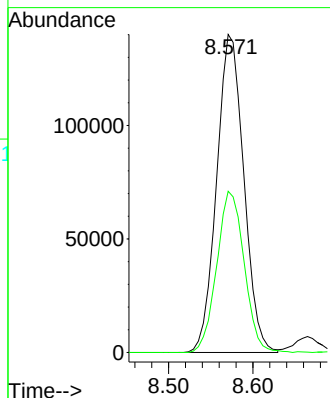
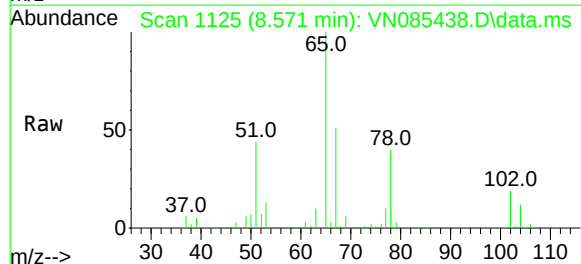
67 51.1 0.0 101.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

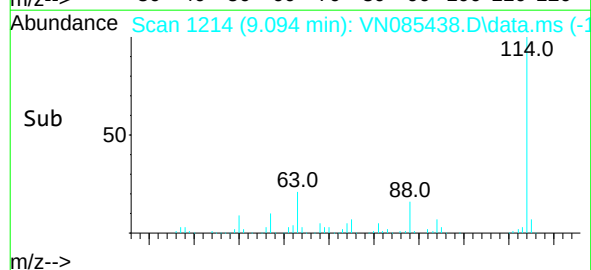
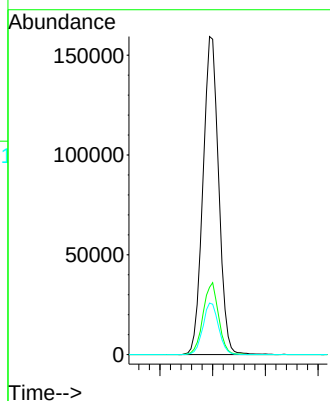
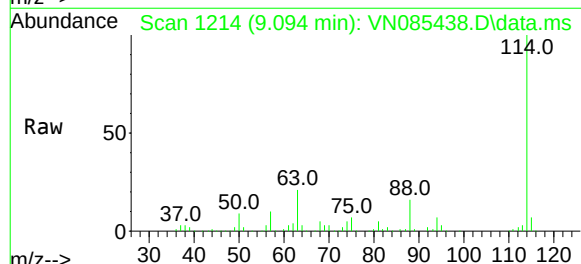
Tgt Ion:114 Resp: 329363

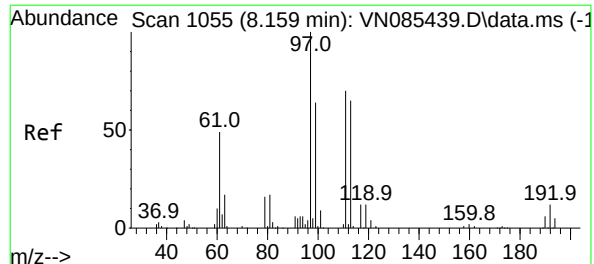
Ion Ratio Lower Upper

114 100

63 21.2 0.0 47.6

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 103.353 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 236159

Ion Ratio Lower Upper

113 100

111 102.3 82.7 124.1

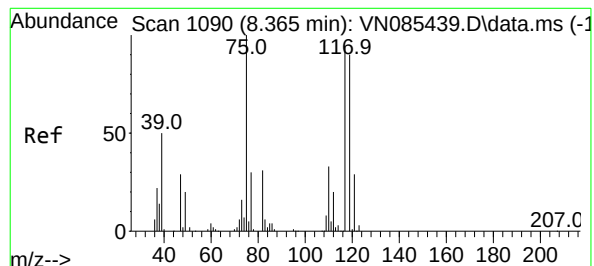
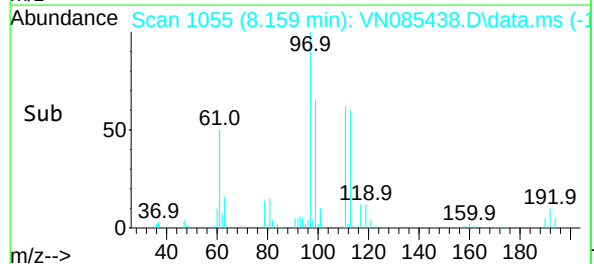
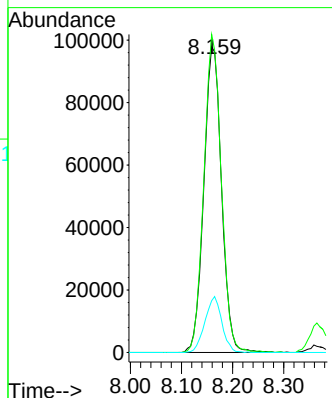
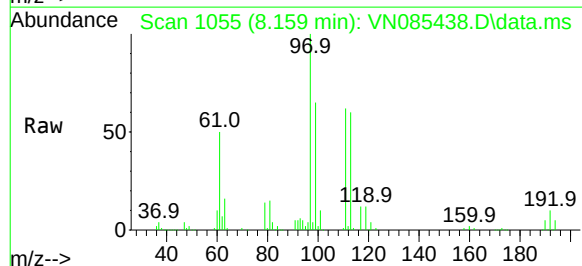
192 17.4 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#36

1,1-Dichloropropene

Concen: 106.945 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

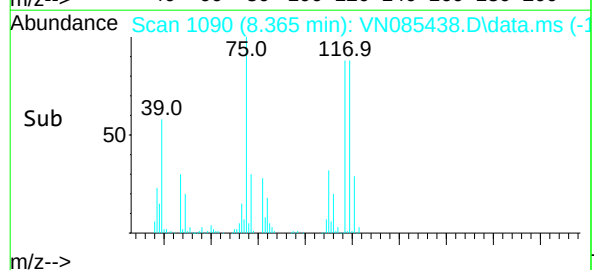
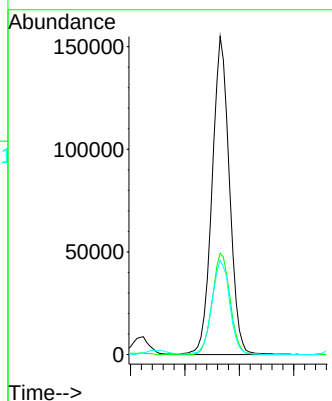
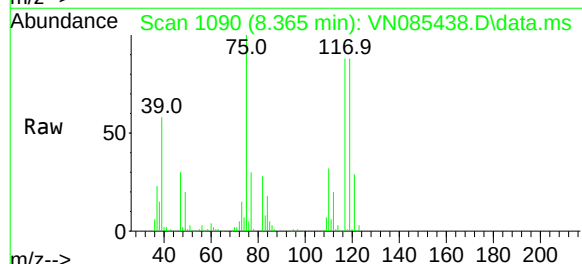
Tgt Ion: 75 Resp: 342961

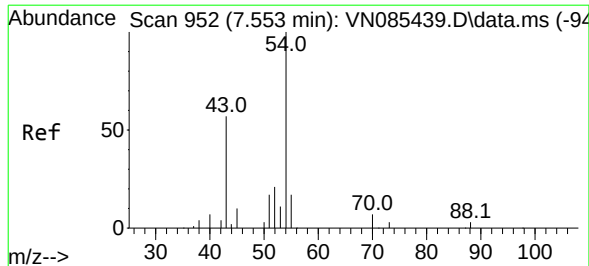
Ion Ratio Lower Upper

75 100

110 32.6 16.5 49.5

77 30.6 24.4 36.6





#37

Ethyl Acetate

Concen: 100.961 ug/l

RT: 7.553 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 326802

Ion Ratio Lower Upper

43 100

61 12.0 10.9 16.3

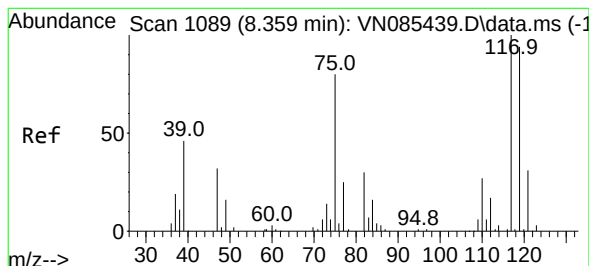
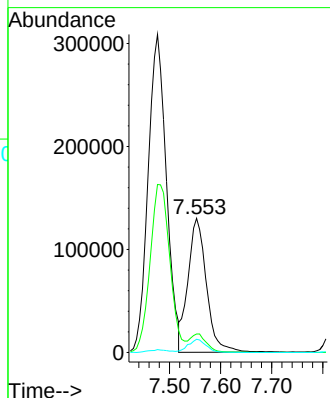
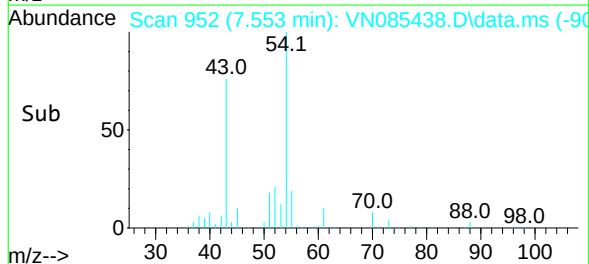
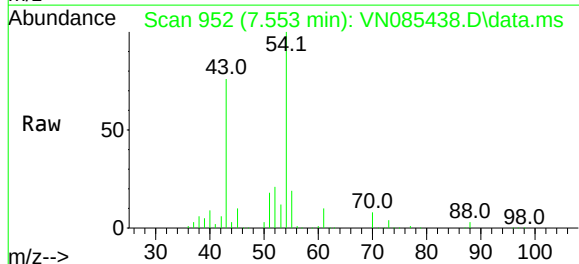
70 9.6 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#38

Carbon Tetrachloride

Concen: 103.065 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

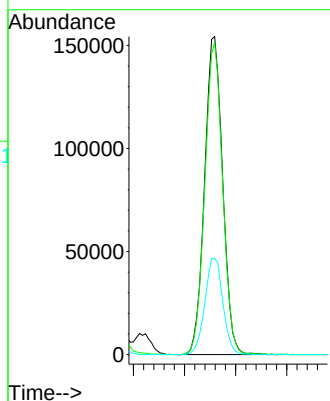
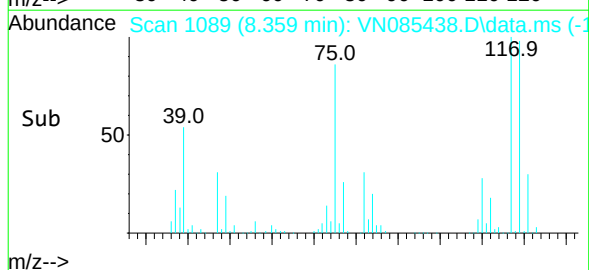
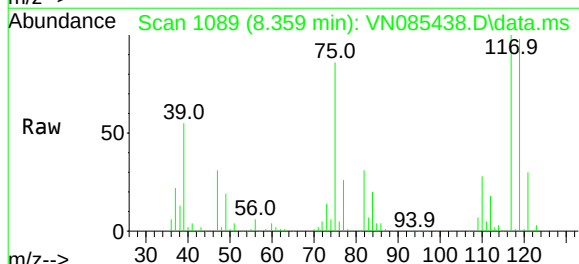
Tgt Ion:117 Resp: 378390

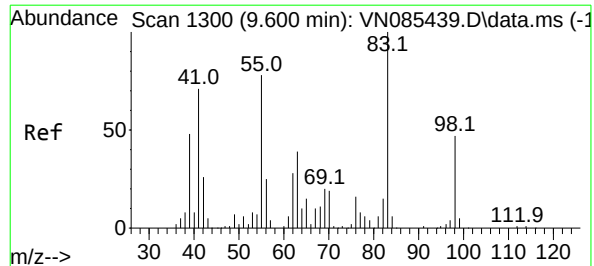
Ion Ratio Lower Upper

117 100

119 98.1 75.4 113.2

121 30.2 24.6 37.0





#39

Methylcyclohexane

Concen: 123.354 ug/l

RT: 9.594 min Scan# 12

Delta R.T. -0.006 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 371734

Ion Ratio Lower Upper

83 100

55 79.3 62.6 94.0

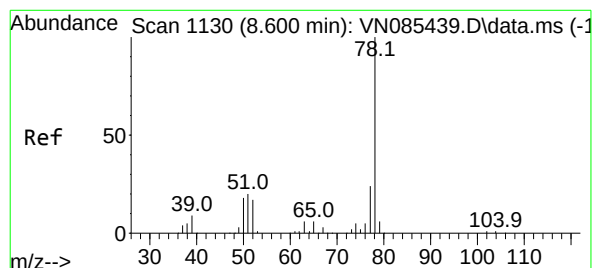
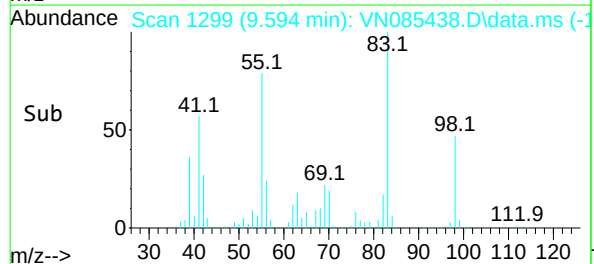
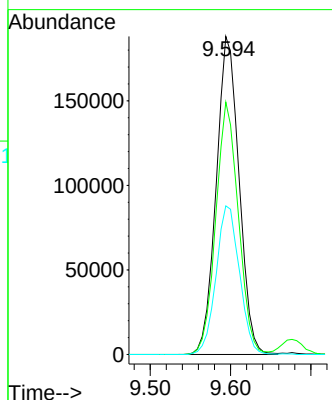
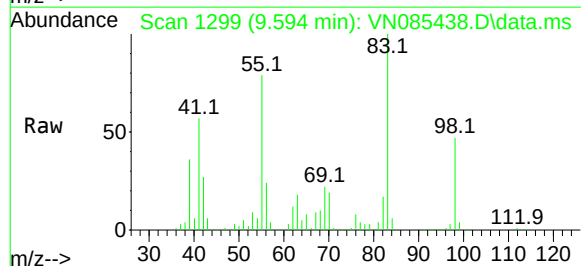
98 46.7 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#40

Benzene

Concen: 106.001 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085438.D

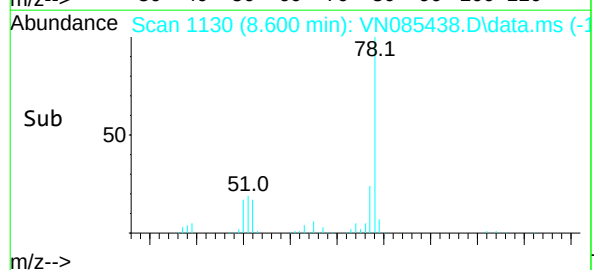
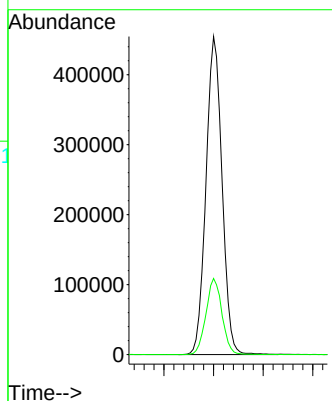
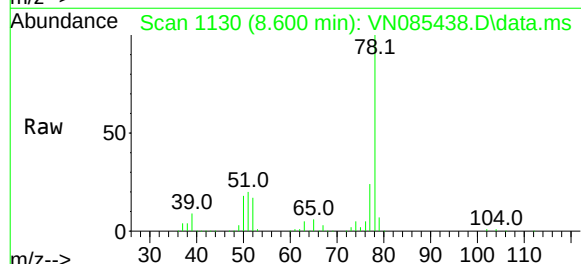
Acq: 14 Jan 2025 14:56

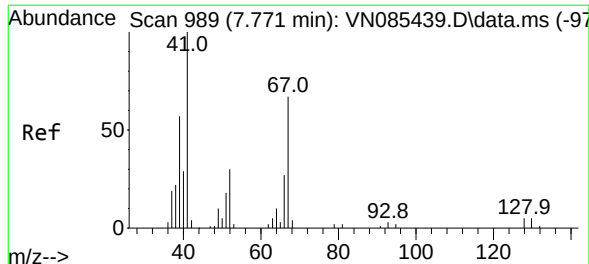
Tgt Ion: 78 Resp: 1021393

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.6





#41

Methacrylonitrile

Concen: 109.454 ug/l

RT: 7.777 min Scan# 99

Delta R.T. 0.006 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 184326

Ion Ratio Lower Upper

41 100

39 52.8 46.0 69.0

67 68.8 57.4 86.2

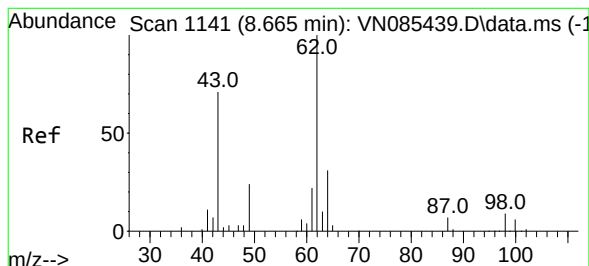
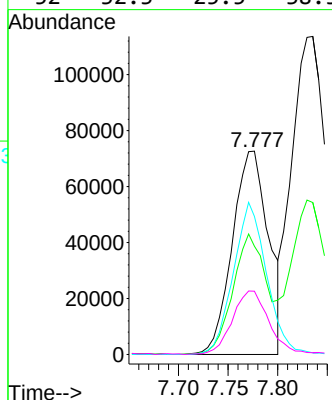
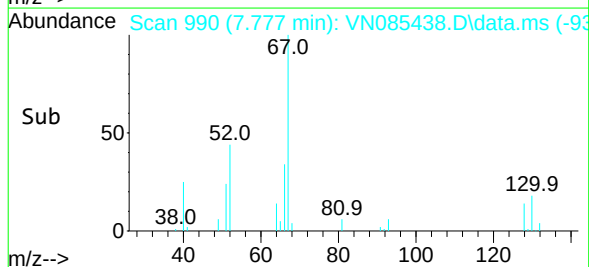
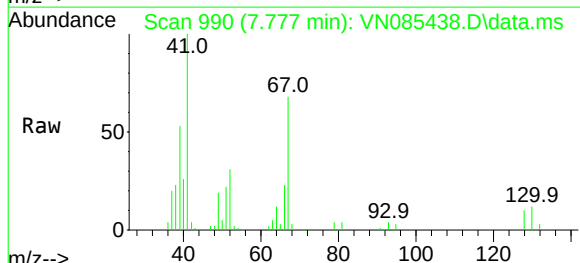
52 32.3 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#42

1,2-Dichloroethane

Concen: 103.314 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN085438.D

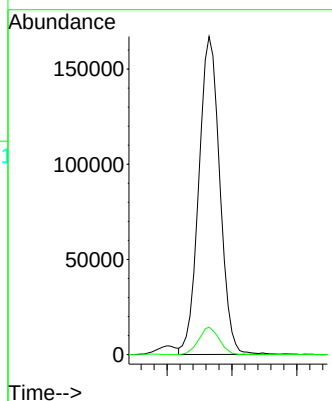
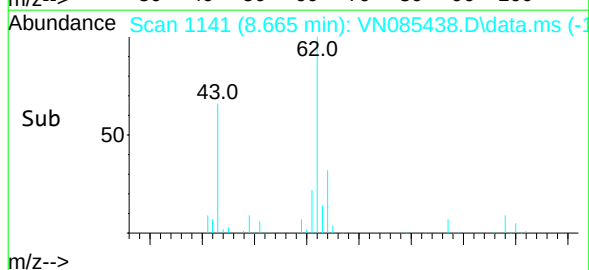
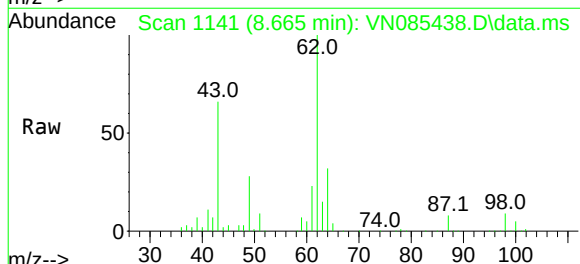
Acq: 14 Jan 2025 14:56

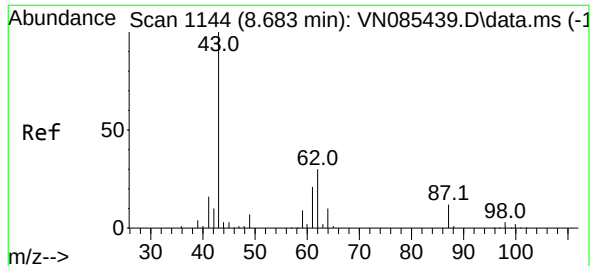
Tgt Ion: 62 Resp: 374938

Ion Ratio Lower Upper

62 100

98 8.4 0.0 17.0





#43

Isopropyl Acetate

Concen: 106.035 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 549969

Ion Ratio Lower Upper

43 100

61 25.7 20.7 31.1

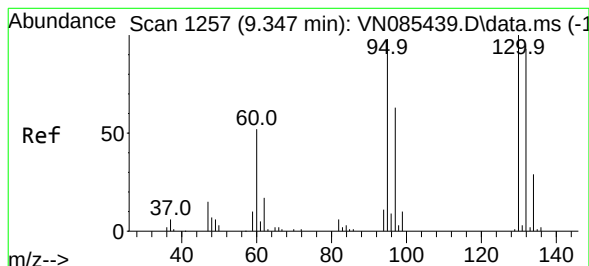
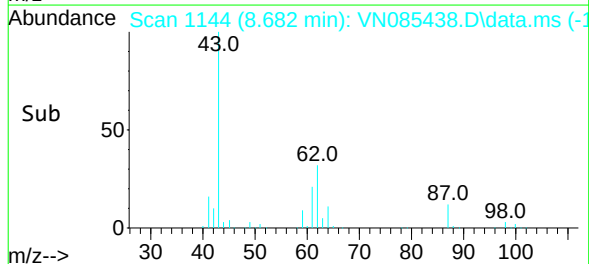
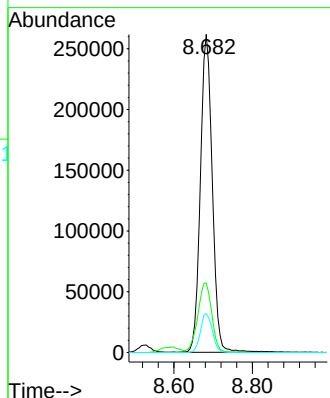
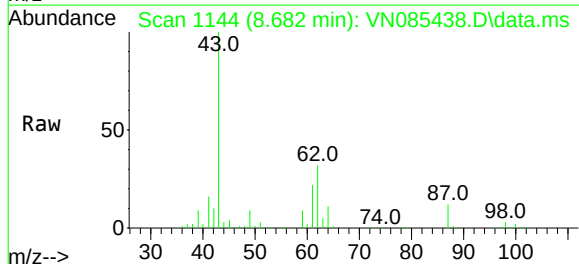
87 12.2 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#44

Trichloroethene

Concen: 106.242 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN085438.D

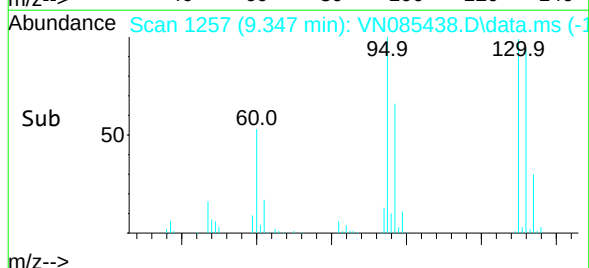
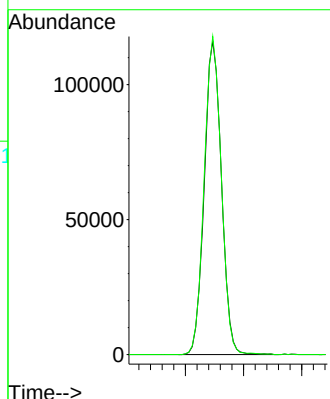
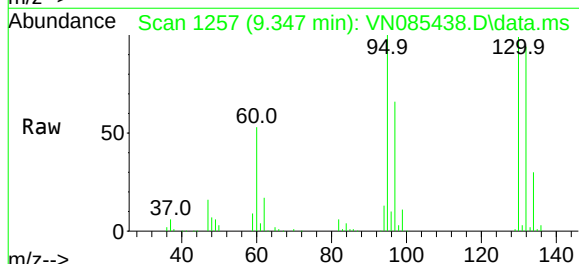
Acq: 14 Jan 2025 14:56

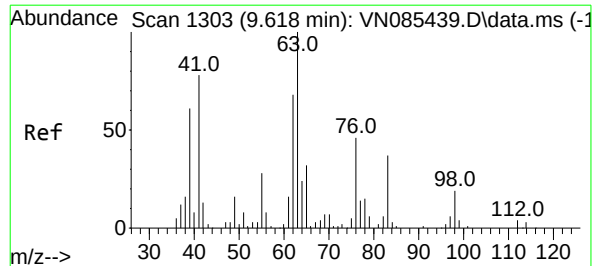
Tgt Ion:130 Resp: 238296

Ion Ratio Lower Upper

130 100

95 101.5 0.0 195.8





#45

1,2-Dichloropropane

Concen: 104.405 ug/l

RT: 9.618 min Scan# 13

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 256964

Ion Ratio Lower Upper

63 100

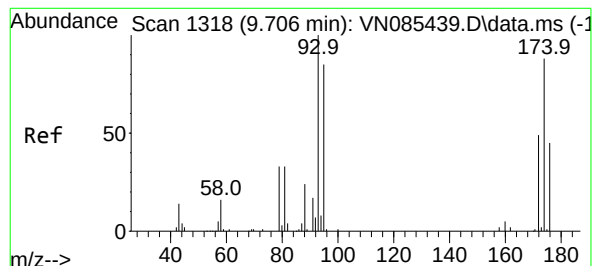
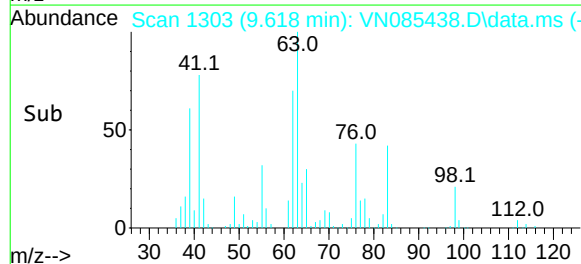
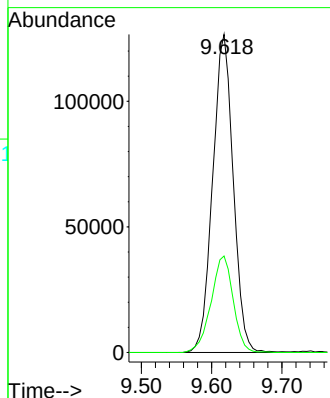
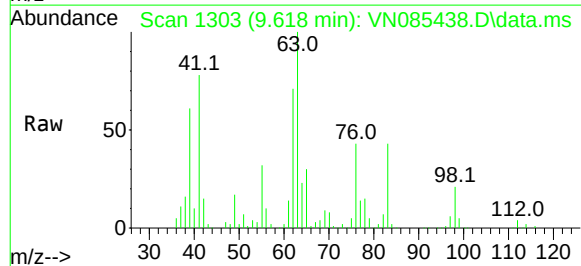
65 30.3 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#46

Dibromomethane

Concen: 101.913 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

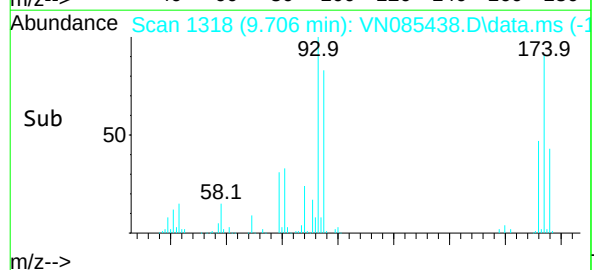
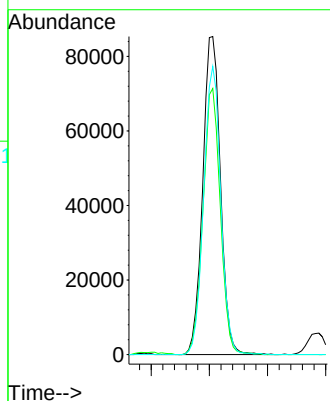
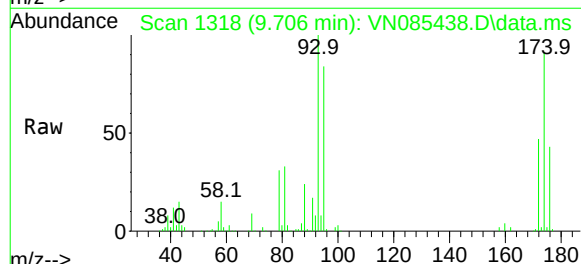
Tgt Ion: 93 Resp: 180990

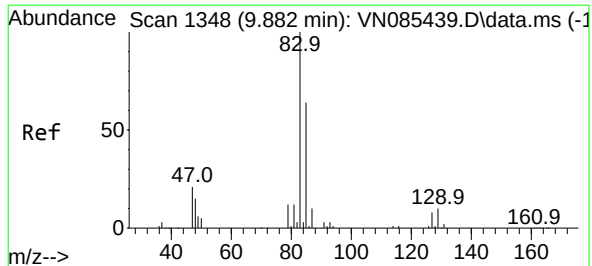
Ion Ratio Lower Upper

93 100

95 81.6 64.7 97.1

174 87.5 69.0 103.4





#47

Bromodichloromethane

Concen: 107.377 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

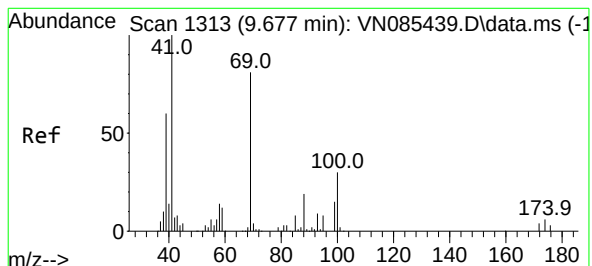
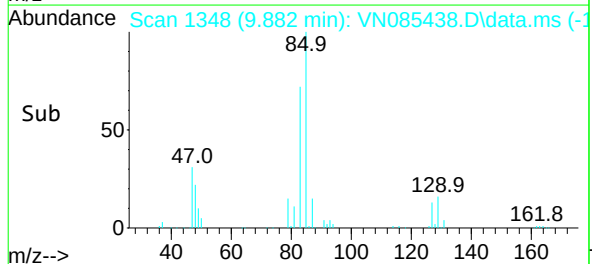
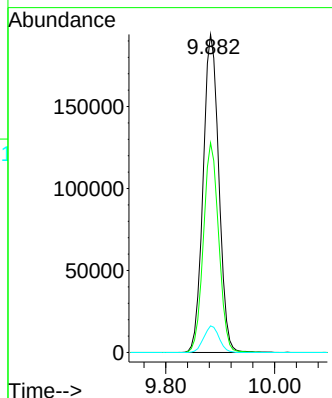
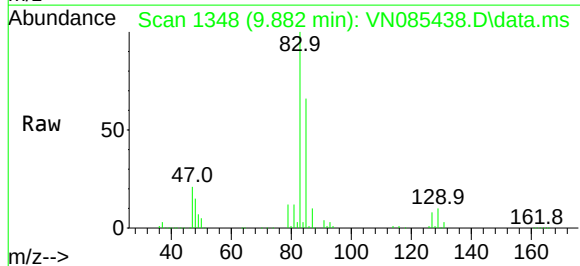
ClientSampleId :

VSTDIC100

Tgt Ion:	83	Resp:	388499
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.2	76.8
127	8.4	6.5	9.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#48

Methyl methacrylate

Concen: 114.685 ug/l

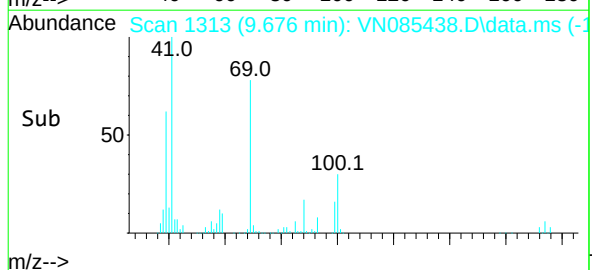
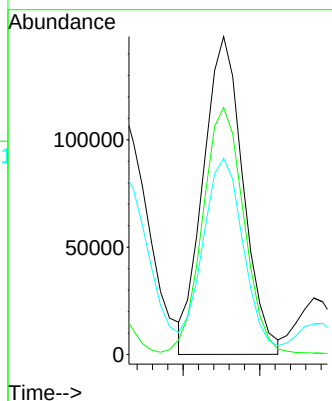
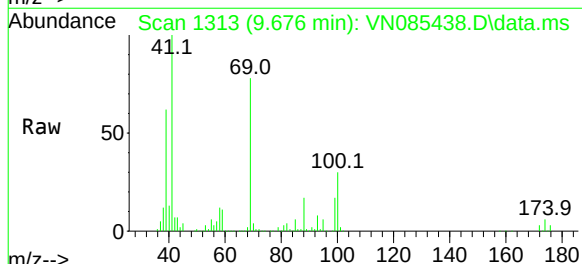
RT: 9.676 min Scan# 1313

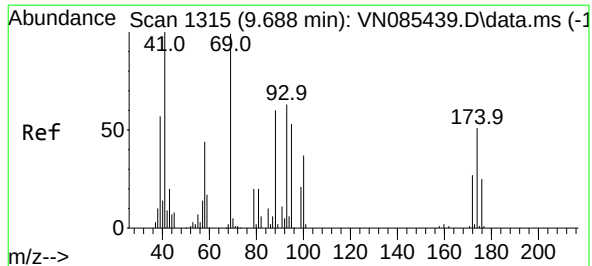
Delta R.T. -0.001 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Tgt Ion:	41	Resp:	267689
Ion	Ratio	Lower	Upper
41	100		
69	80.9	64.7	97.1
39	63.1	49.0	73.6





#49

1,4-Dioxane

Concen: 2133.992 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 88 Resp: 83879

Ion Ratio Lower Upper

88 100

43 31.3 26.6 39.8

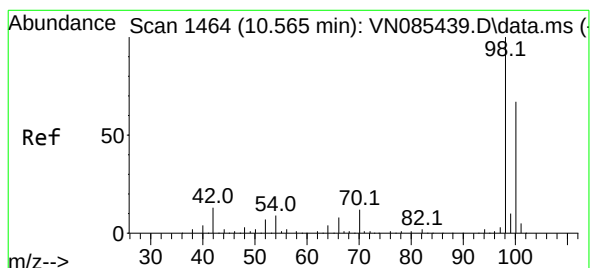
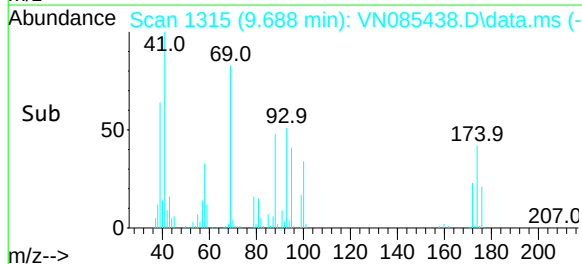
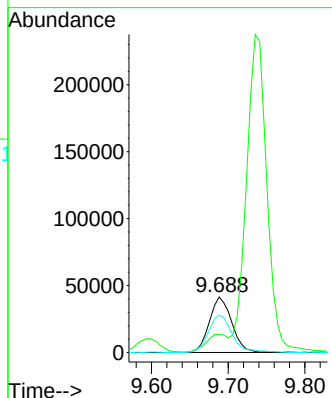
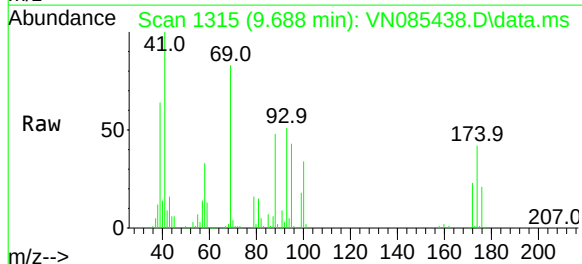
58 72.1 59.5 89.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#50

Toluene-d8

Concen: 108.636 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085438.D

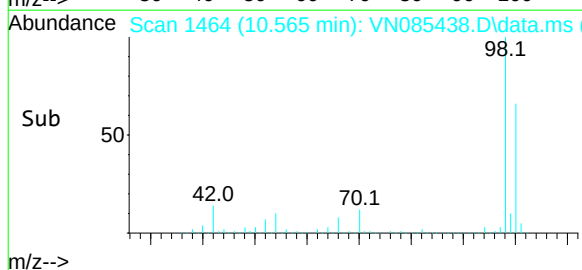
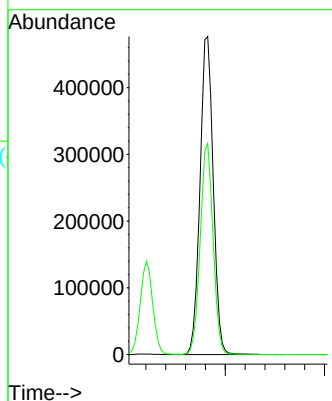
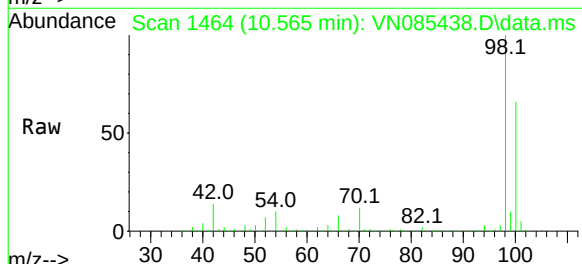
Acq: 14 Jan 2025 14:56

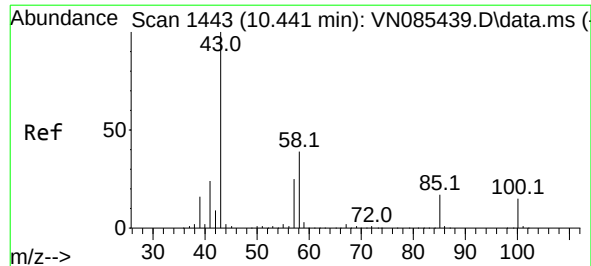
Tgt Ion: 98 Resp: 881956

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4





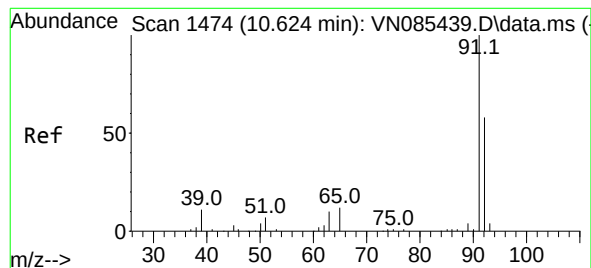
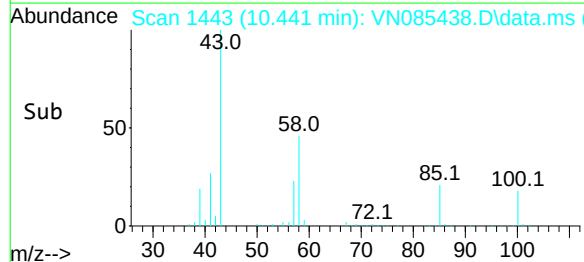
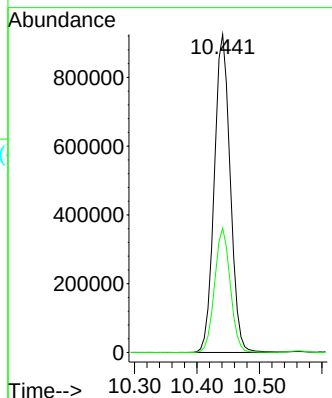
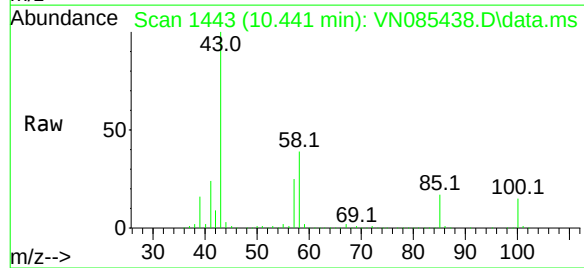
#51
4-Methyl-2-Pentanone
Concen: 546.159 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1643800
Ion Ratio Lower Upper
43 100
58 38.4 30.5 45.7

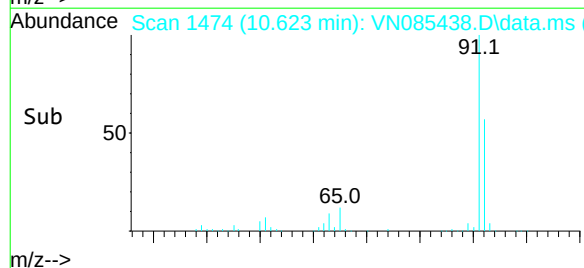
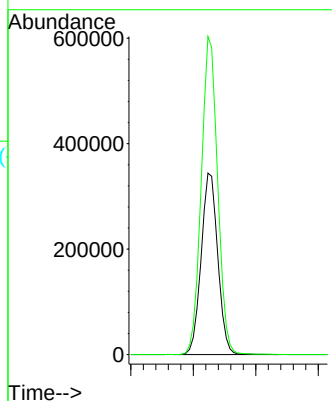
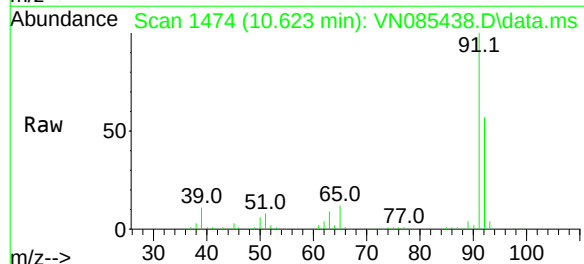
Manual Integrations
APPROVED

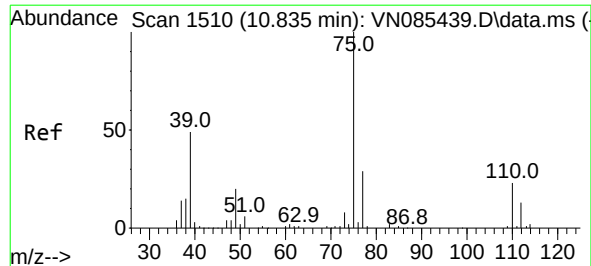
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#52
Toluene
Concen: 113.689 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.001 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 92 Resp: 634743
Ion Ratio Lower Upper
92 100
91 173.1 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 114.424 ug/l

RT: 10.829 min Scan# 1510

Delta R.T. -0.006 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 391238

Ion Ratio Lower Upper

75 100

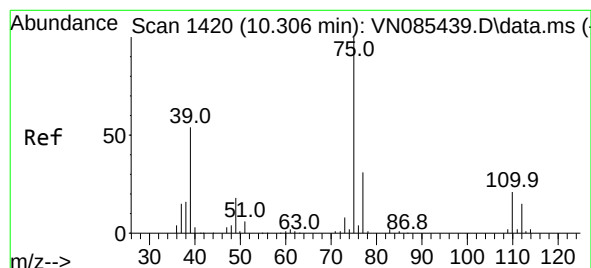
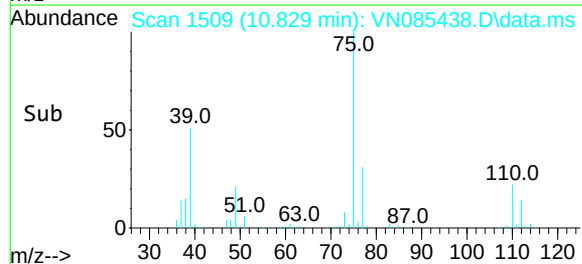
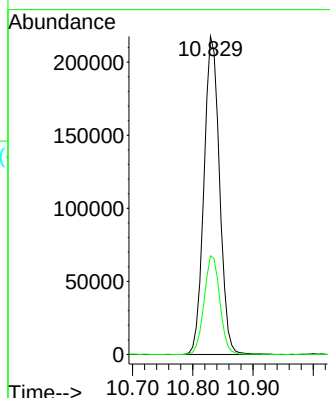
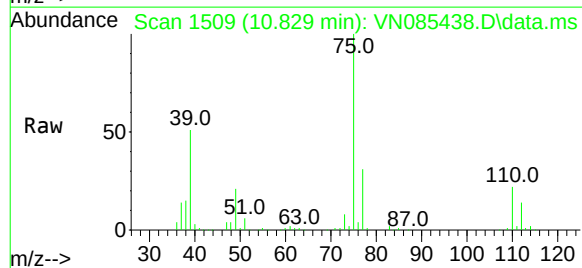
77 31.0 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#54

cis-1,3-Dichloropropene

Concen: 112.369 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

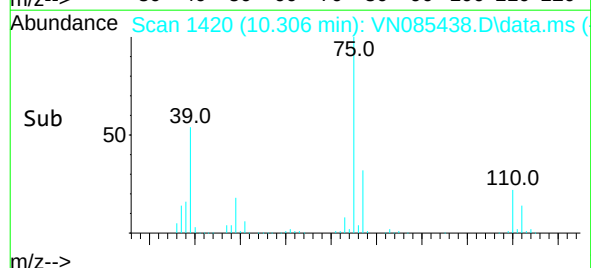
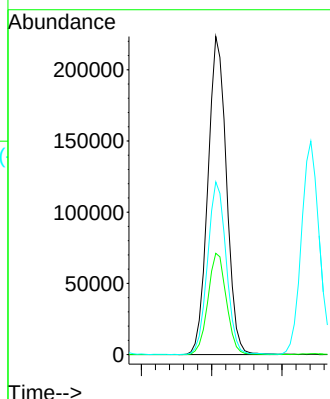
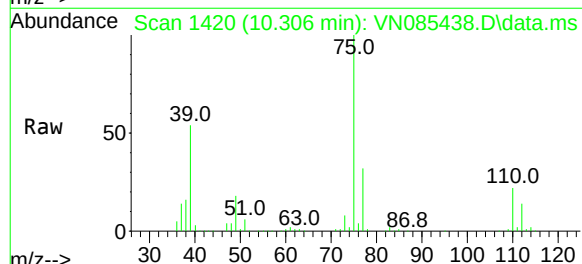
Tgt Ion: 75 Resp: 410403

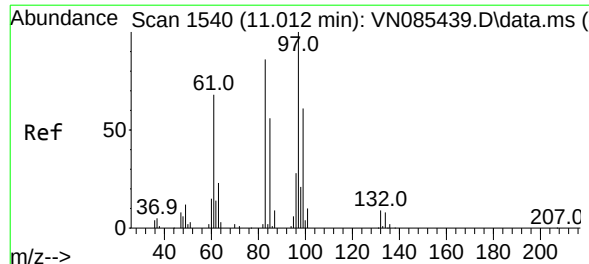
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4

39 54.3 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 103.879 ug/l

RT: 11.012 min Scan# 15

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 229522

Ion Ratio Lower Upper

97 100

83 88.4 69.0 103.6

85 56.3 44.6 66.8

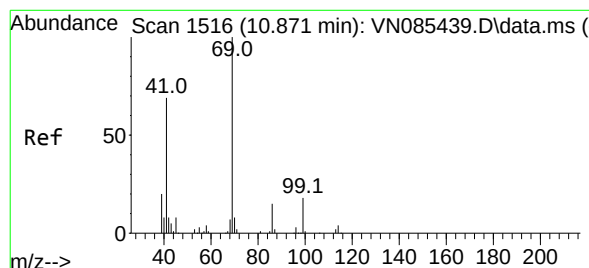
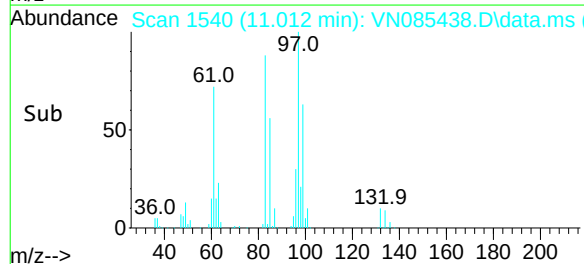
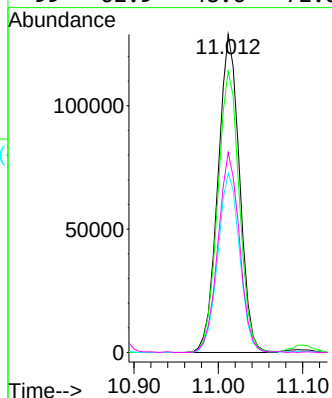
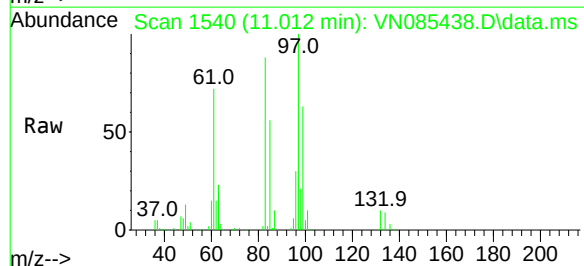
99 62.9 48.6 72.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#56

Ethyl methacrylate

Concen: 101.029 ug/l

RT: 10.870 min Scan# 1516

Delta R.T. -0.001 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

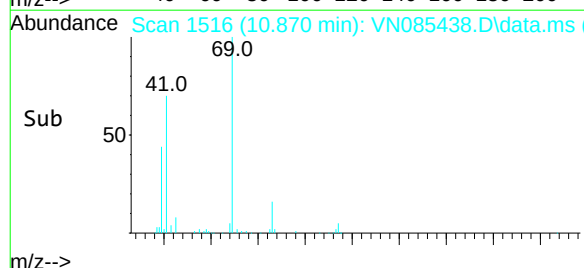
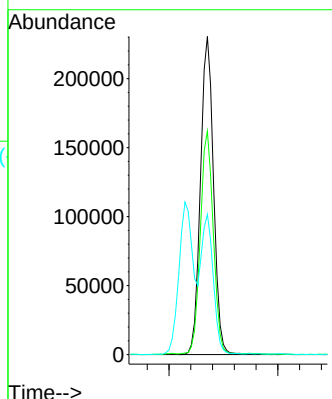
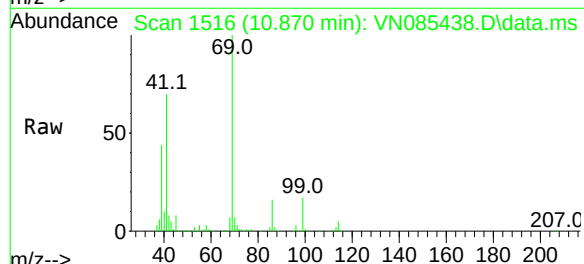
Tgt Ion: 69 Resp: 383663

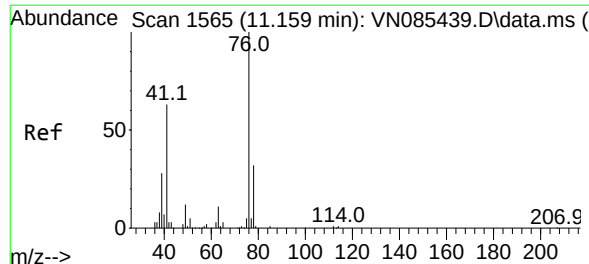
Ion Ratio Lower Upper

69 100

41 69.1 54.6 82.0

39 40.1 32.4 48.6





#57

1,3-Dichloropropane

Concen: 107.469 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 412886

Ion Ratio Lower Upper

76 100

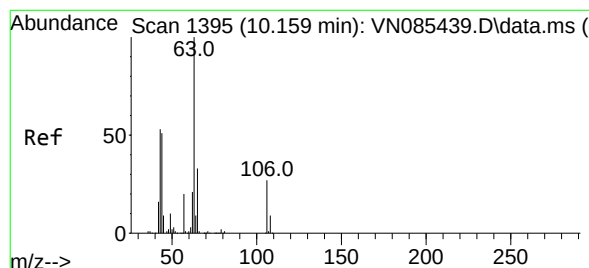
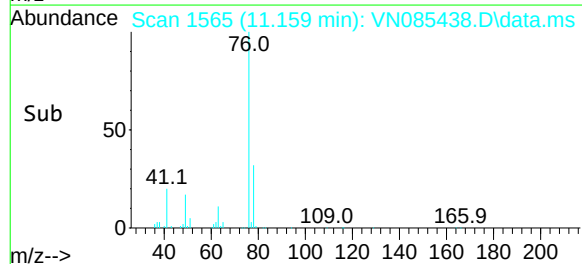
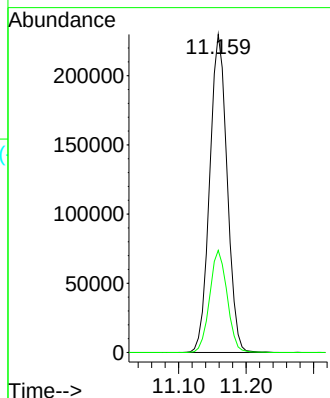
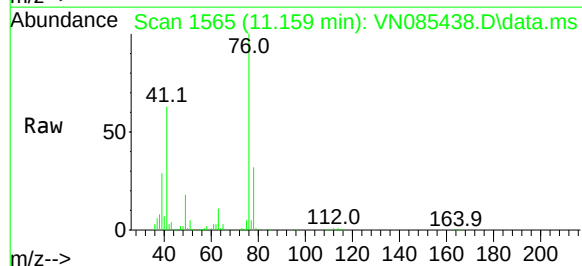
78 32.2 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#58

2-Chloroethyl Vinyl ether

Concen: 605.243 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN085438.D

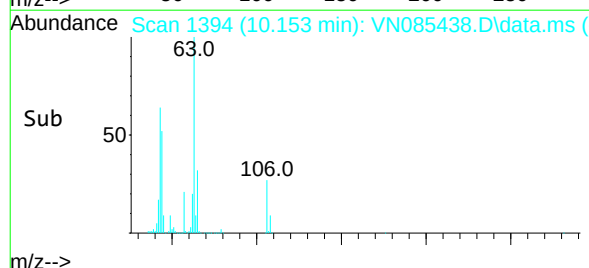
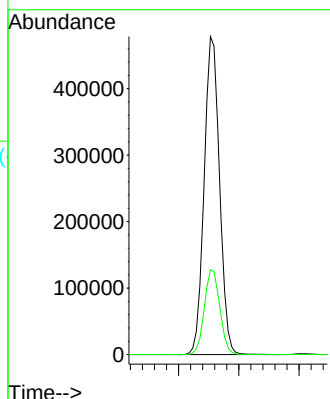
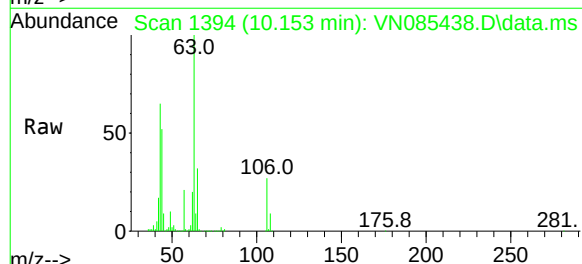
Acq: 14 Jan 2025 14:56

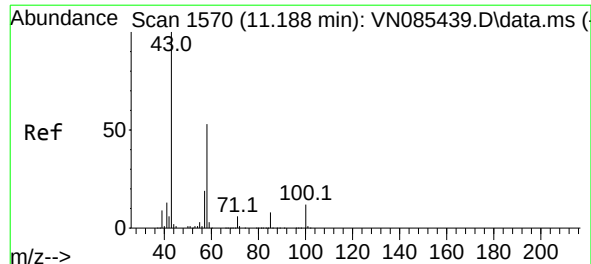
Tgt Ion: 63 Resp: 848636

Ion Ratio Lower Upper

63 100

106 26.8 21.6 32.4





#59

2-Hexanone

Concen: 556.643 ug/l

RT: 11.194 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 1178831

Ion Ratio Lower Upper

43 100

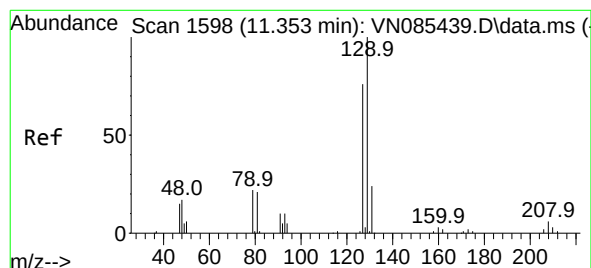
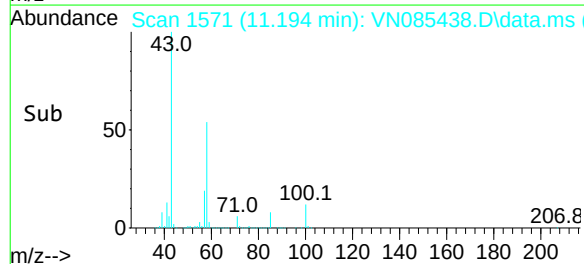
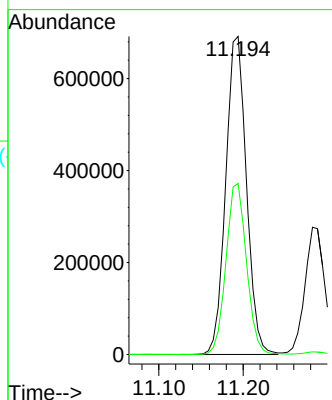
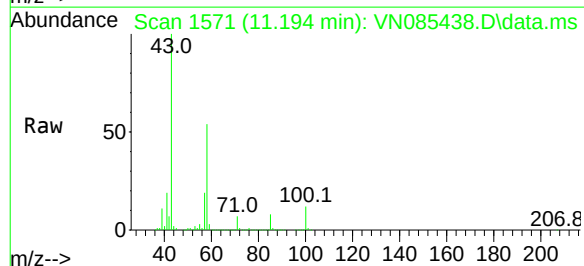
58 53.2 26.2 78.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#60

Dibromochloromethane

Concen: 106.227 ug/l

RT: 11.353 min Scan# 1598

Delta R.T. -0.000 min

Lab File: VN085438.D

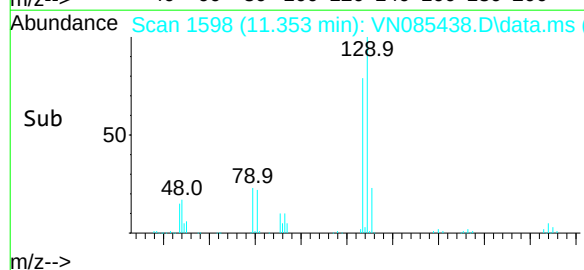
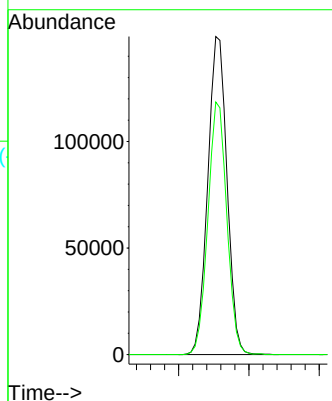
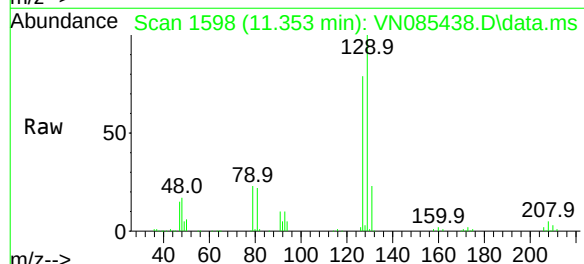
Acq: 14 Jan 2025 14:56

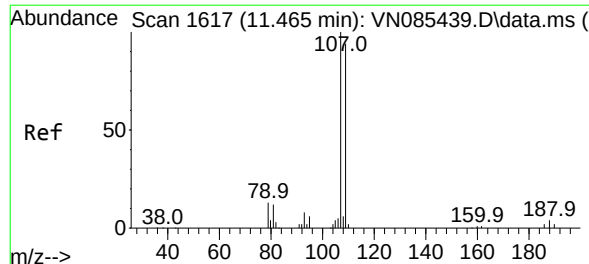
Tgt Ion:129 Resp: 283361

Ion Ratio Lower Upper

129 100

127 78.1 38.6 115.8





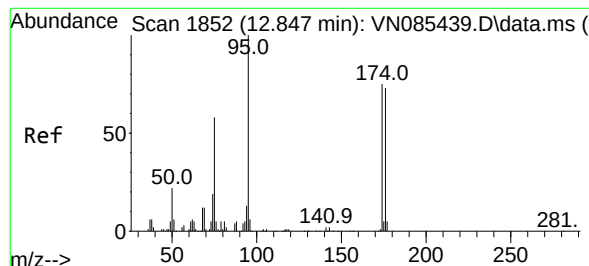
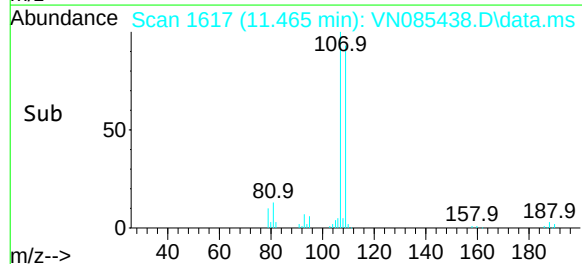
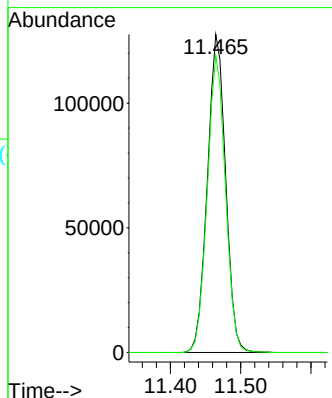
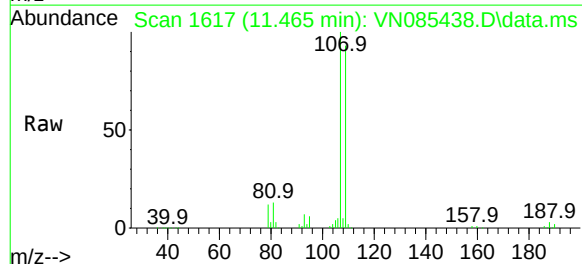
#61
1,2-Dibromoethane
Concen: 104.623 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 107 Resp: 230104
Ion Ratio Lower Upper
107 100
109 93.1 75.9 113.9

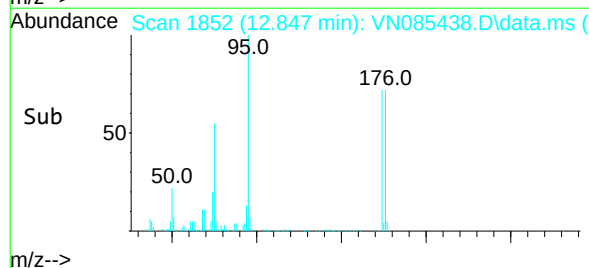
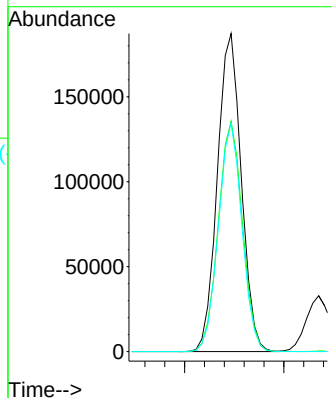
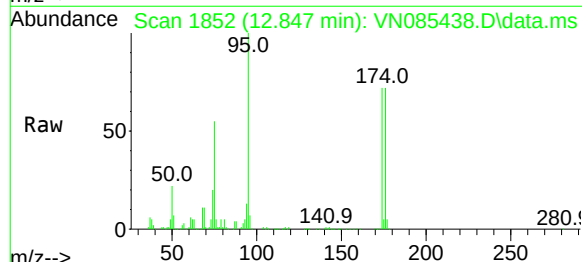
Manual Integrations
APPROVED

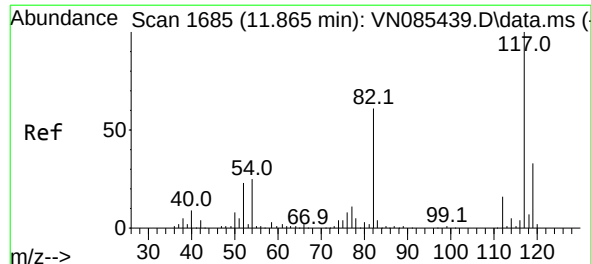
Reviewed By : John Carlone 01/15/2025
Supervised By : Mahesh Dadoda 01/15/2025



#62
4-Bromofluorobenzene
Concen: 112.765 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 95 Resp: 313161
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.0
176 70.5 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:117 Resp: 298938

Ion Ratio Lower Upper

117 100

82 59.3 48.6 72.8

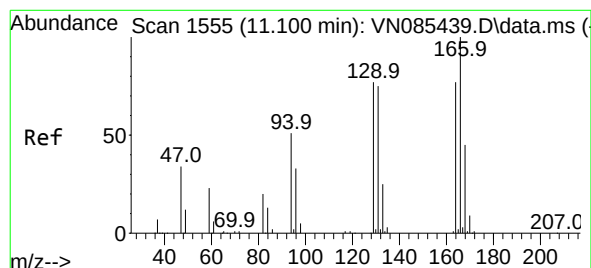
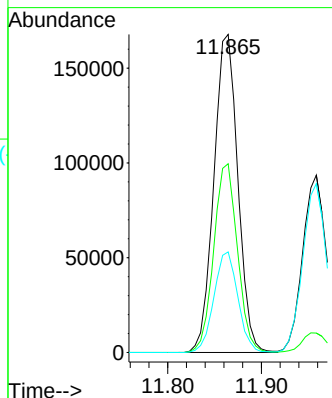
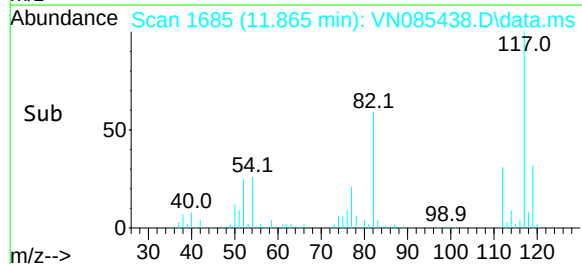
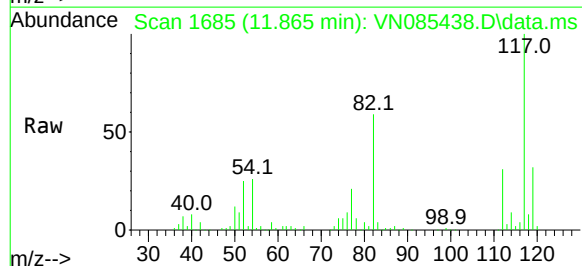
119 31.6 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#64

Tetrachloroethene

Concen: 102.980 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Tgt Ion:164 Resp: 209870

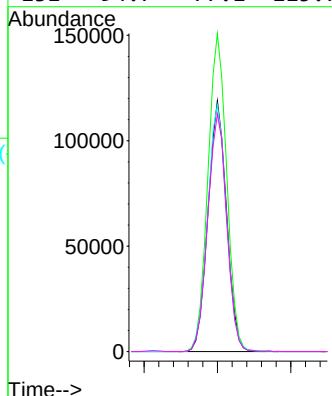
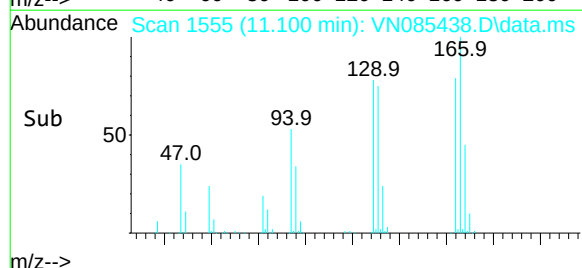
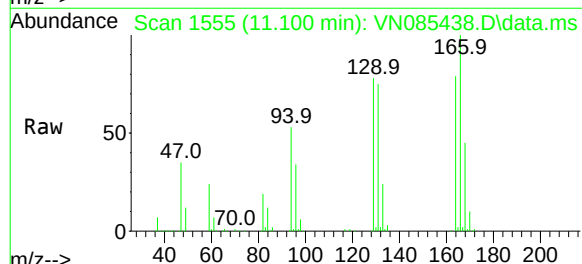
Ion Ratio Lower Upper

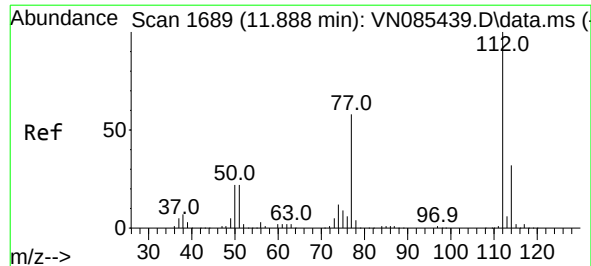
164 100

166 126.8 103.4 155.2

129 98.3 79.2 118.8

131 94.7 77.1 115.7





#65

Chlorobenzene

Concen: 103.482 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:112 Resp: 677679

Ion Ratio Lower Upper

112 100

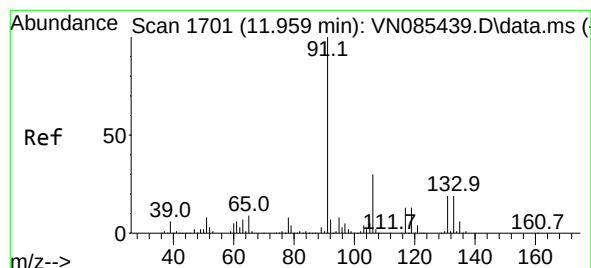
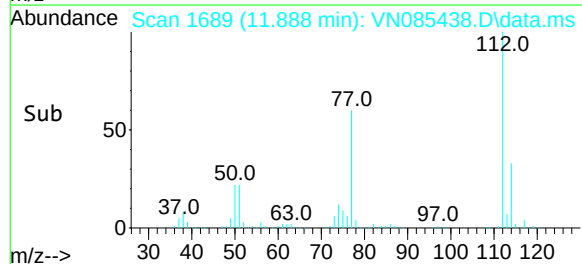
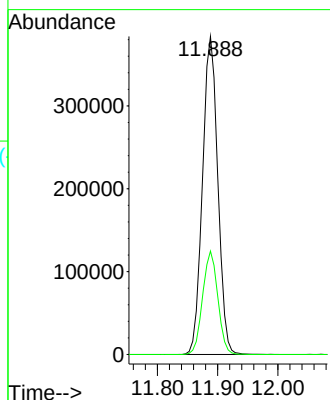
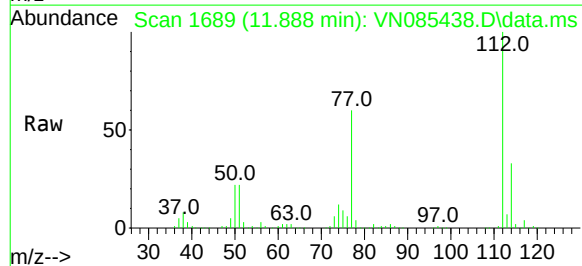
114 32.5 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 100.517 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

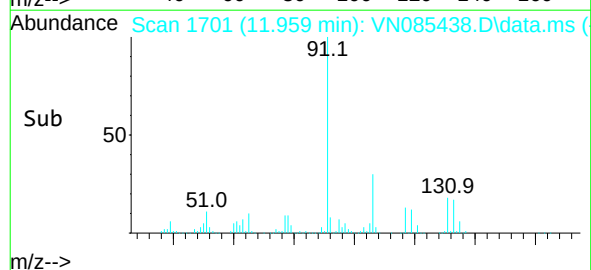
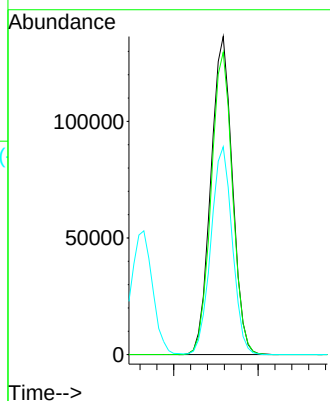
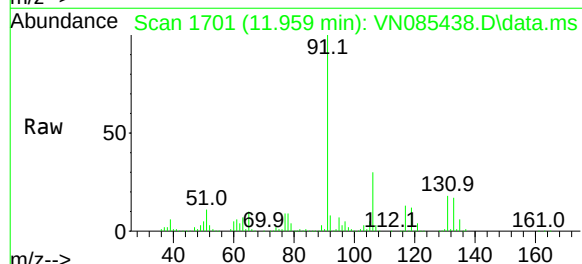
Tgt Ion:131 Resp: 241593

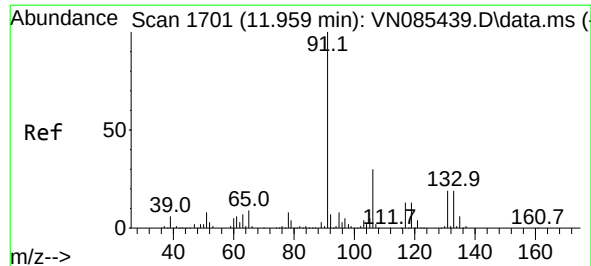
Ion Ratio Lower Upper

131 100

133 94.3 47.4 142.3

119 64.9 33.1 99.5





#67

Ethyl Benzene

Concen: 116.169 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1239080

Ion Ratio Lower Upper

91 100

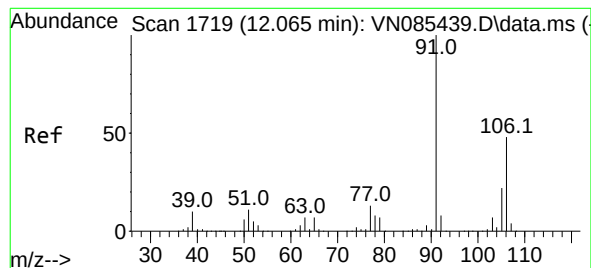
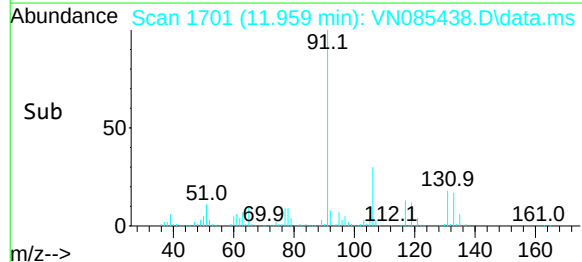
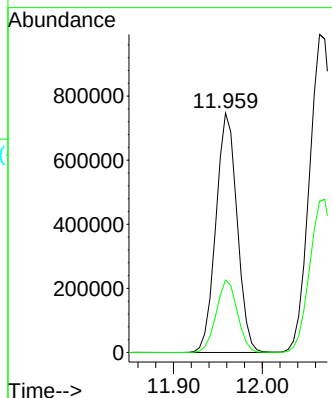
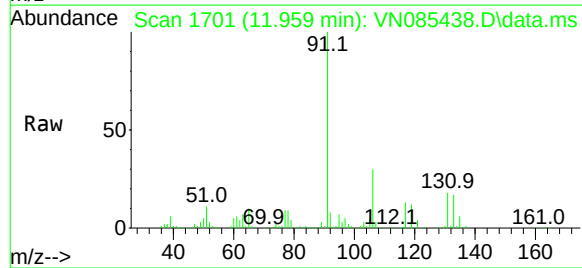
106 30.3 23.8 35.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#68

m/p-Xylenes

Concen: 235.219 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.006 min

Lab File: VN085438.D

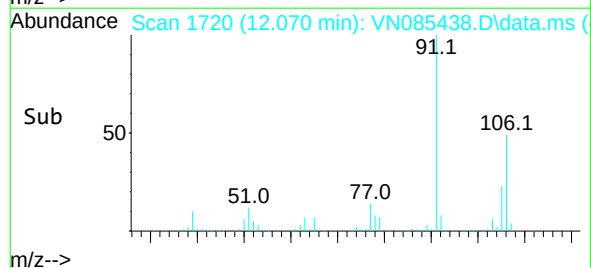
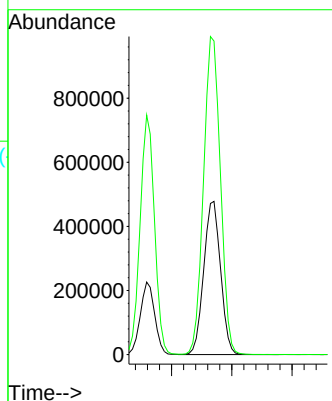
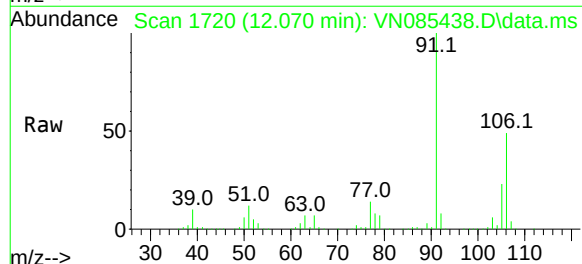
Acq: 14 Jan 2025 14:56

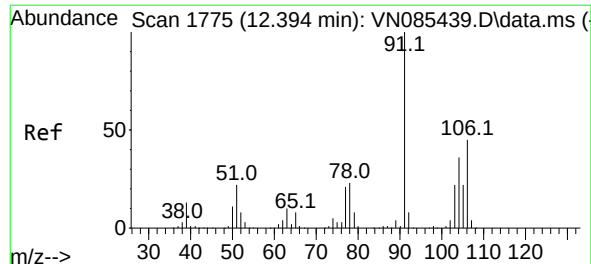
Tgt Ion:106 Resp: 927244

Ion Ratio Lower Upper

106 100

91 208.0 167.7 251.5





#69

o-Xylene

Concen: 117.135 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:106 Resp: 441279

Ion Ratio Lower Upper

106 100

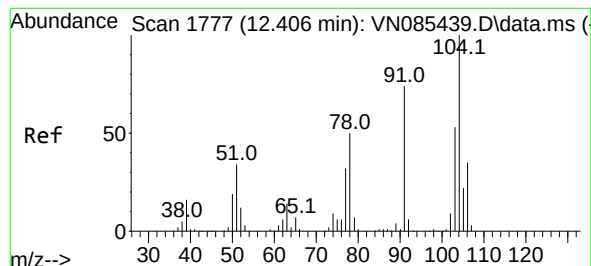
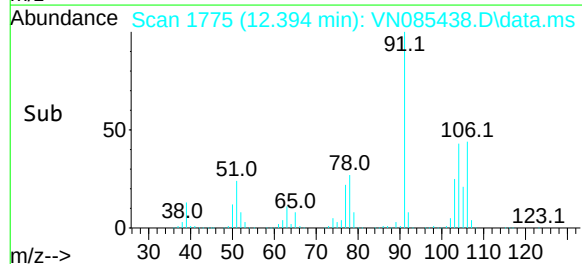
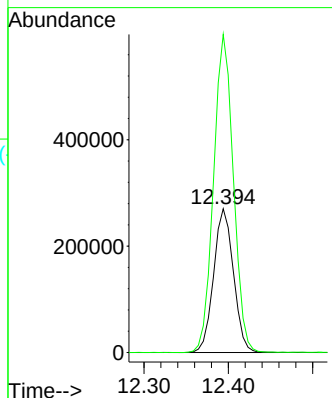
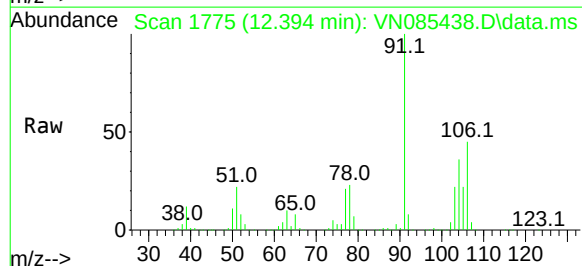
91 221.3 110.4 331.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#70

Styrene

Concen: 121.919 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

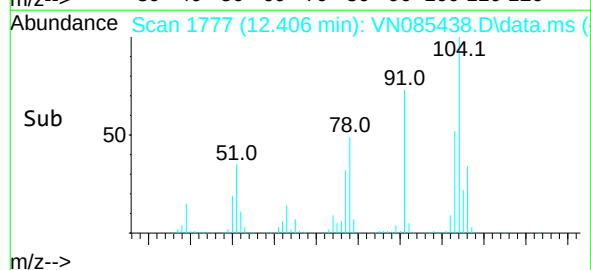
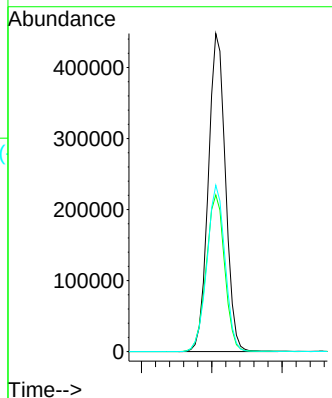
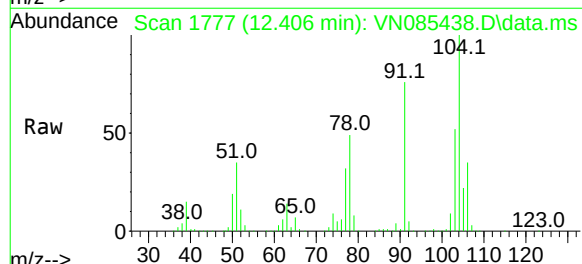
Tgt Ion:104 Resp: 760136

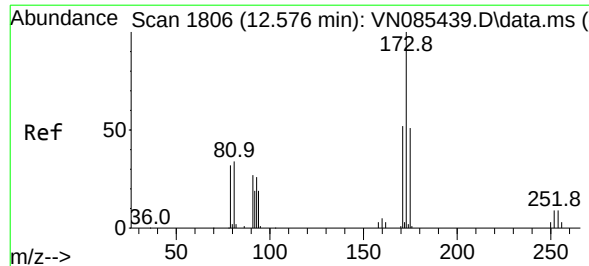
Ion Ratio Lower Upper

104 100

78 52.8 42.5 63.7

103 55.3 43.8 65.8





#71

Bromoform

Concen: 108.227 ug/l

RT: 12.576 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

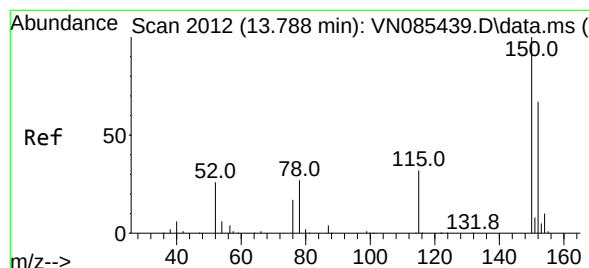
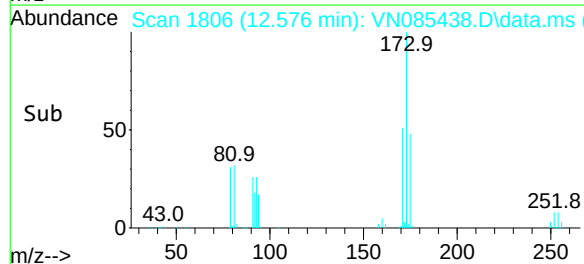
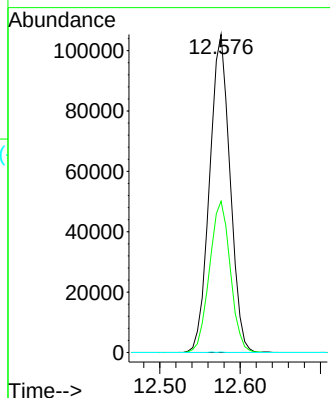
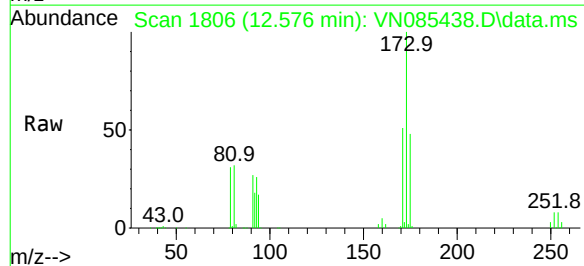
VSTDICC100

Tgt Ion:	173	Resp:	186124
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.4	73.2
254	0.1	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

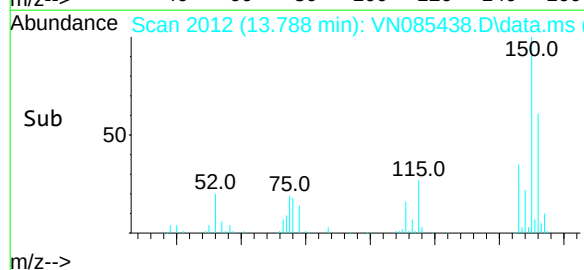
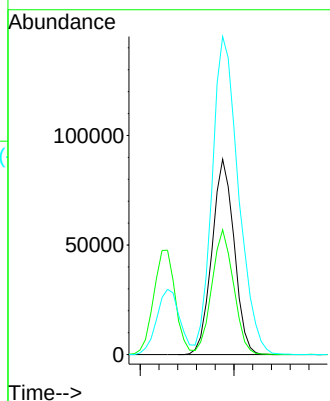
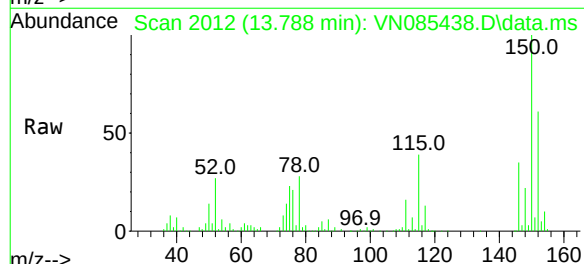
RT: 13.788 min Scan# 2012

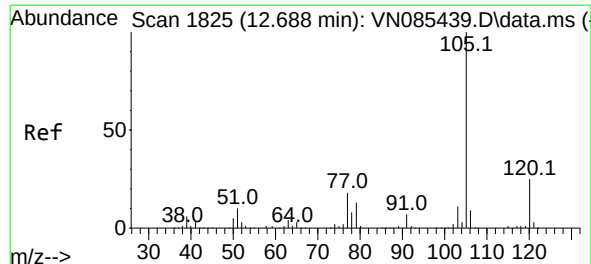
Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Tgt Ion:	152	Resp:	146196
Ion Ratio	Lower	Upper	
152	100		
115	62.7	31.1	93.3
150	193.1	0.0	343.6





#73

Isopropylbenzene

Concen: 116.221 ug/l

RT: 12.694 min Scan# 1825

Delta R.T. 0.006 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Tgt Ion: 105 Resp: 1146752

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.3

Instrument :

MSVOA_N

ClientSampleId :

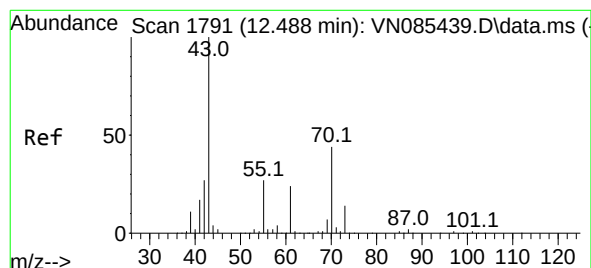
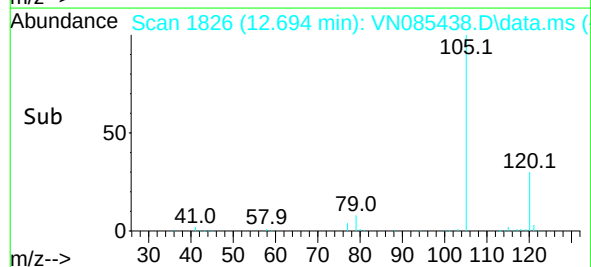
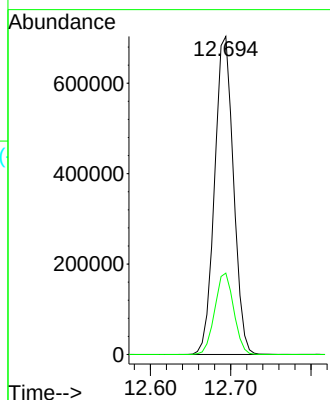
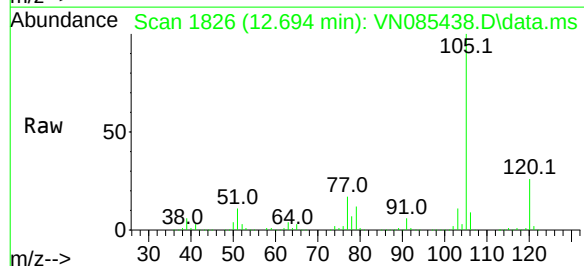
VSTDICC100

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#74

N-ethyl acetate

Concen: 110.308 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Tgt Ion: 43 Resp: 489217

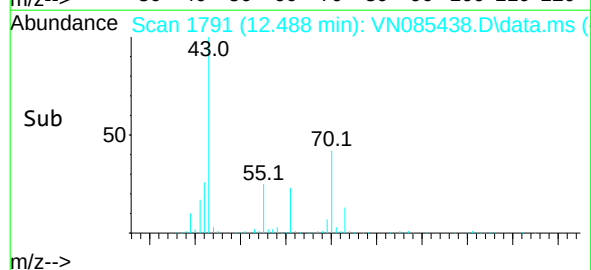
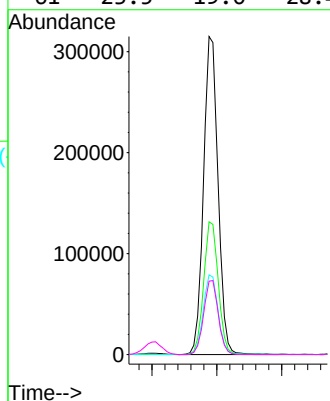
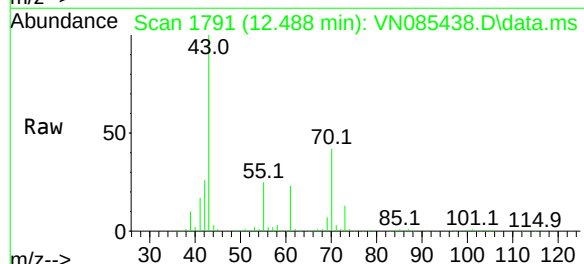
Ion Ratio Lower Upper

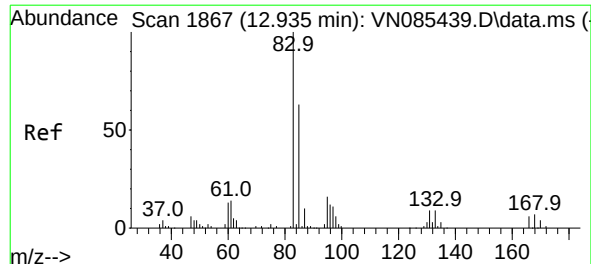
43 100

70 41.9 34.0 51.0

55 25.7 21.4 32.2

61 23.5 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 94.039 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

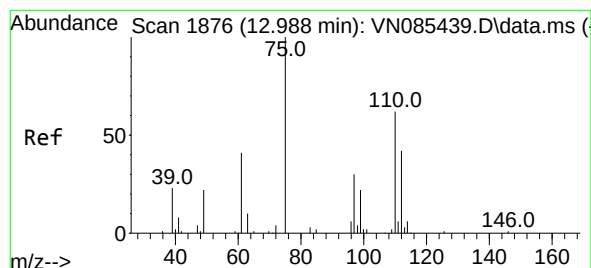
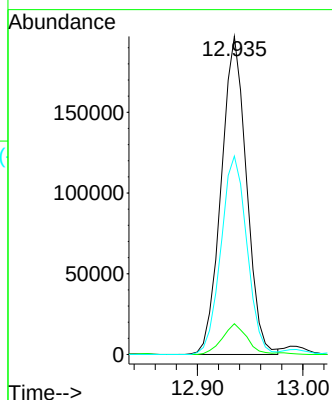
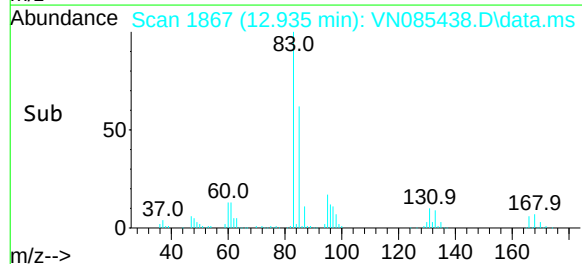
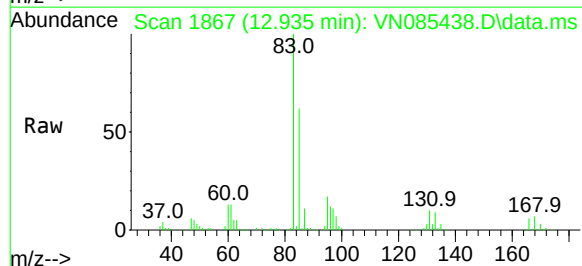
VSTDICC100

Tgt Ion:	83	Resp:	327767
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.4
85	64.1	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#76

1,2,3-Trichloropropane

Concen: 104.530 ug/l m

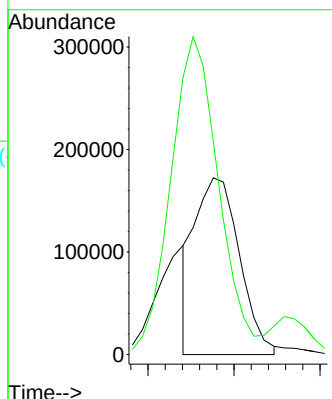
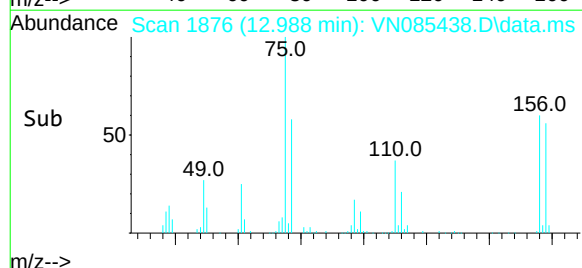
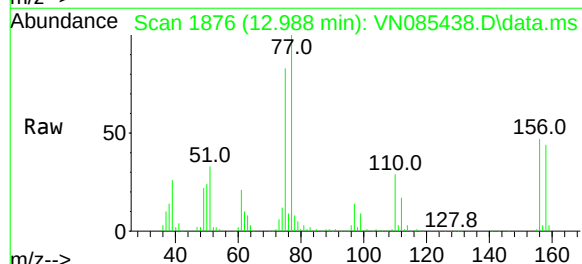
RT: 12.988 min Scan# 1876

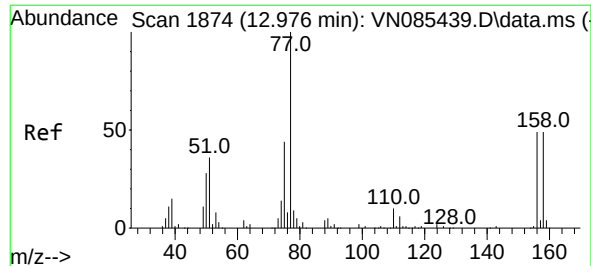
Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Tgt Ion:	75	Resp:	310115
Ion	Ratio	Lower	Upper
75	100		
77	192.6	109.7	329.2





#77

Bromobenzene

Concen: 104.200 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:156 Resp: 268616

Ion Ratio Lower Upper

156 100

77 222.4 114.1 342.4

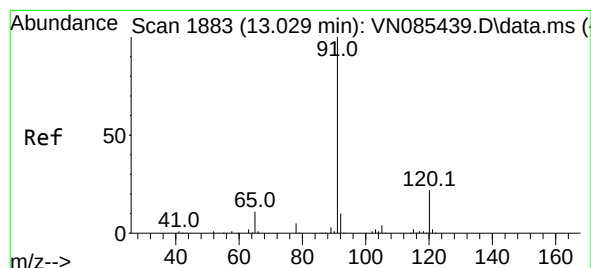
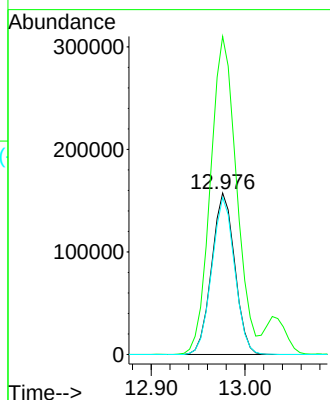
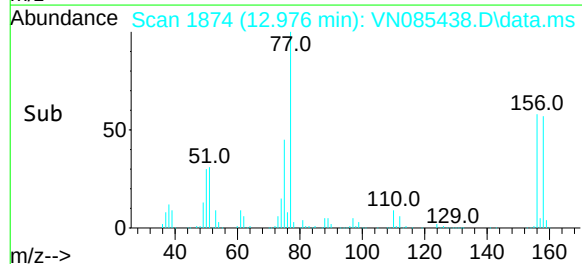
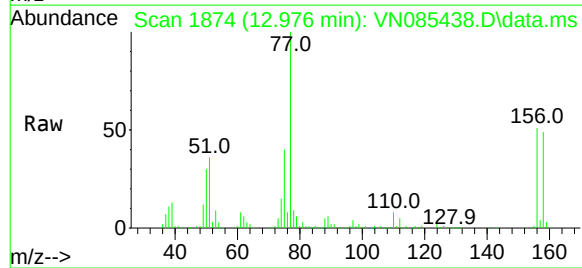
158 96.3 48.9 146.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#78

n-propylbenzene

Concen: 118.600 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.000 min

Lab File: VN085438.D

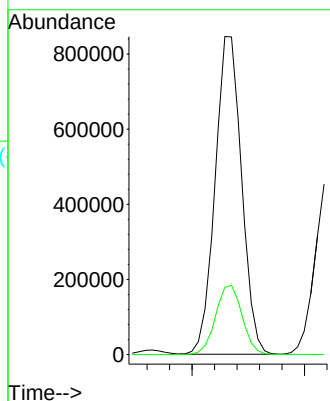
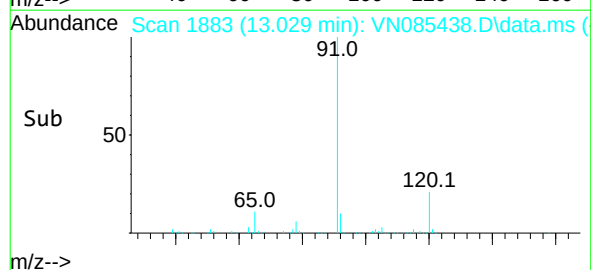
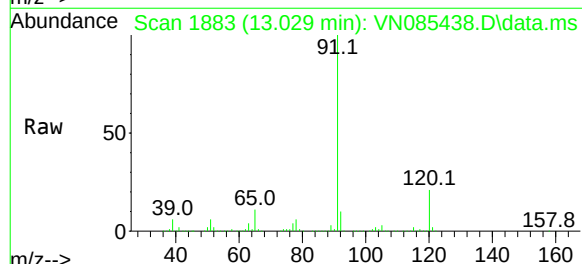
Acq: 14 Jan 2025 14:56

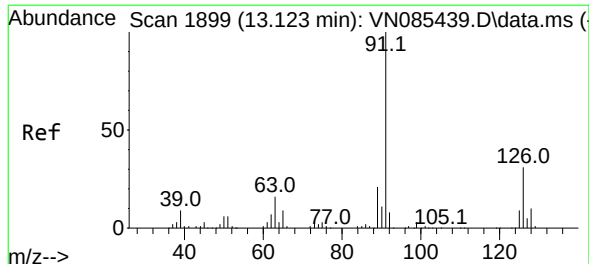
Tgt Ion: 91 Resp: 1385353

Ion Ratio Lower Upper

91 100

120 21.8 10.9 32.6





#79

2-Chlorotoluene

Concen: 108.767 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 822258

Ion Ratio Lower Upper

91 100

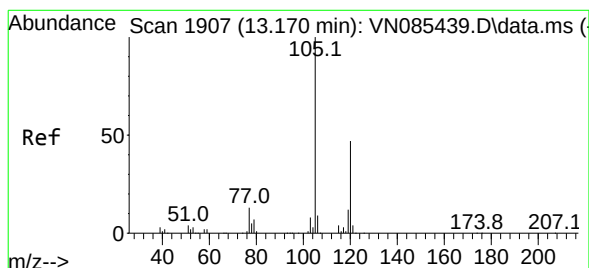
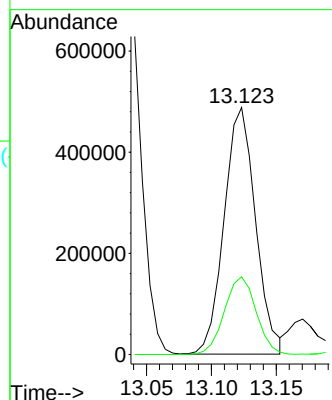
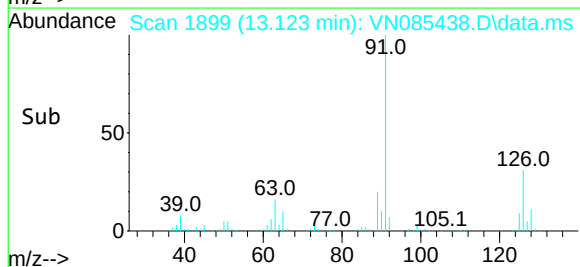
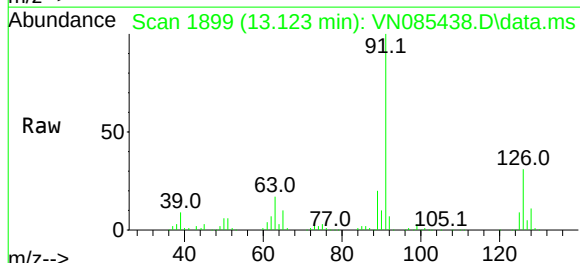
126 31.8 15.7 47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#80

1,3,5-Trimethylbenzene

Concen: 116.938 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085438.D

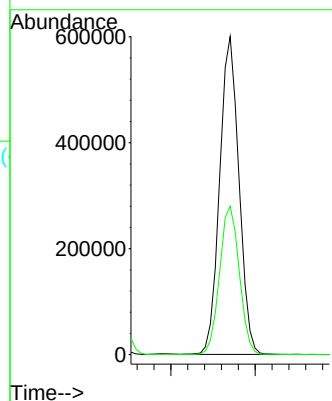
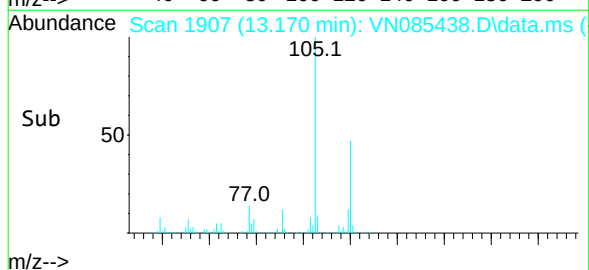
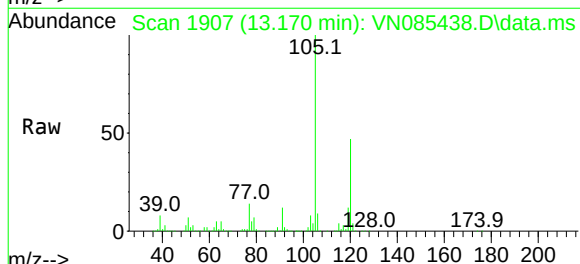
Acq: 14 Jan 2025 14:56

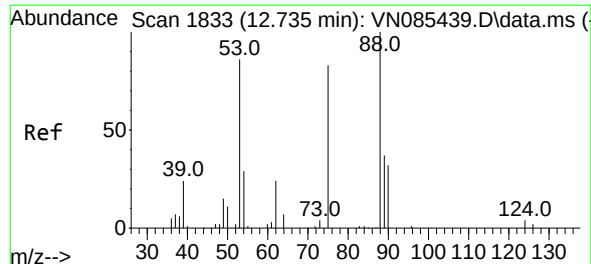
Tgt Ion:105 Resp: 953066

Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 111.544 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 75 Resp: 122508

Ion Ratio Lower Upper

75 100

53 100.9 95.6 143.4

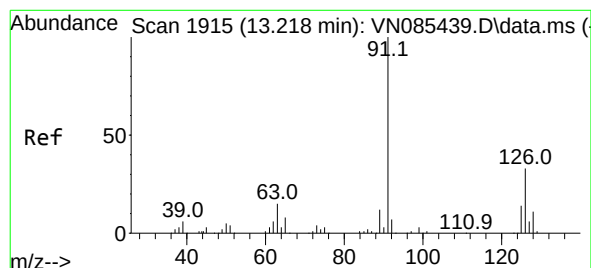
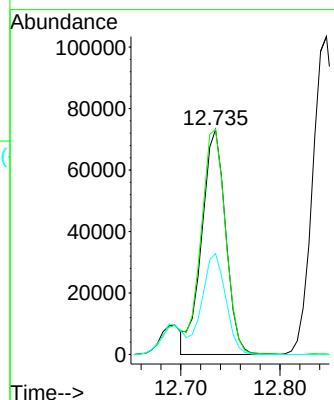
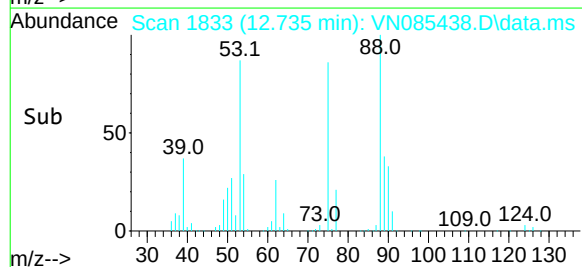
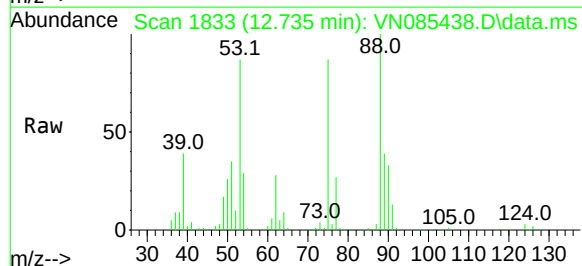
89 44.4 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#82

4-Chlorotoluene

Concen: 110.574 ug/l

RT: 13.217 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VN085438.D

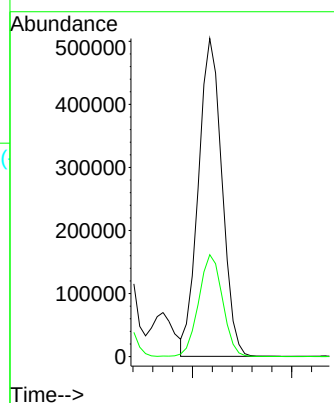
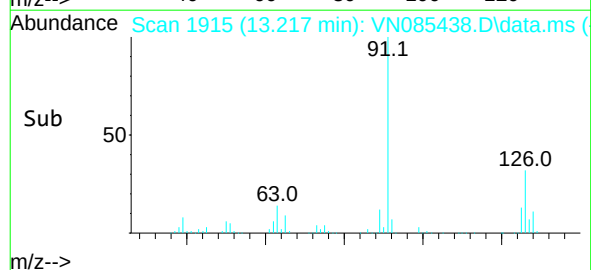
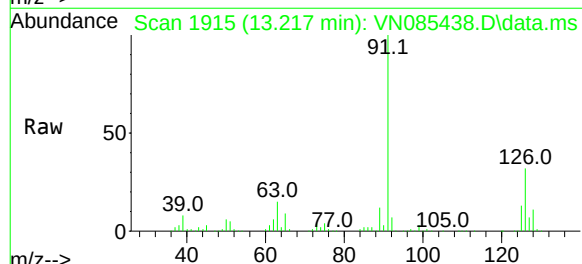
Acq: 14 Jan 2025 14:56

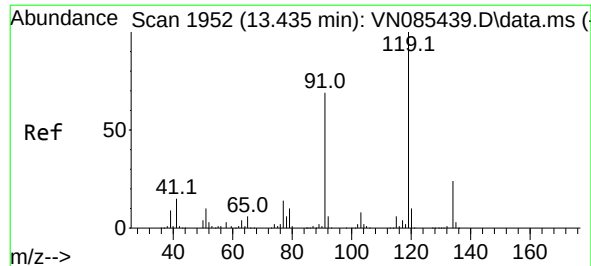
Tgt Ion: 91 Resp: 832317

Ion Ratio Lower Upper

91 100

126 32.5 15.9 47.7





#83

tert-Butylbenzene

Concen: 116.457 ug/l

RT: 13.435 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:119 Resp: 797069

Ion Ratio Lower Upper

119 100

91 70.7 35.1 105.3

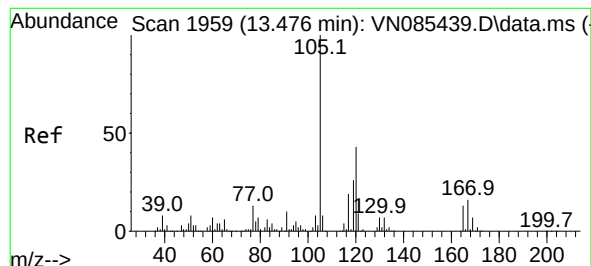
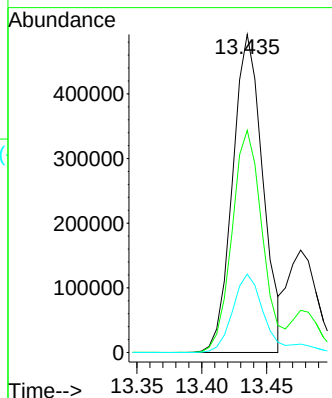
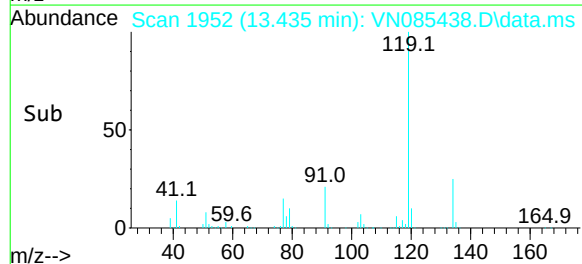
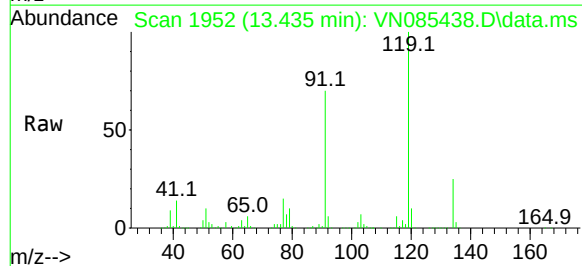
134 26.6 12.0 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#84

1,2,4-Trimethylbenzene

Concen: 119.625 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN085438.D

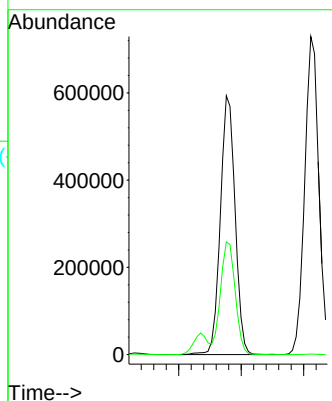
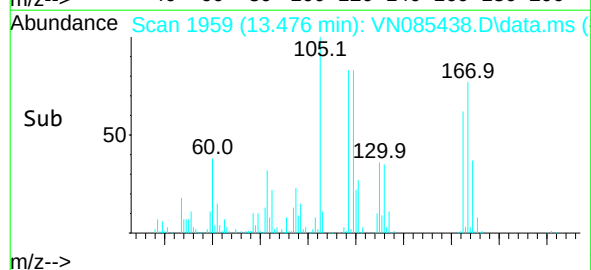
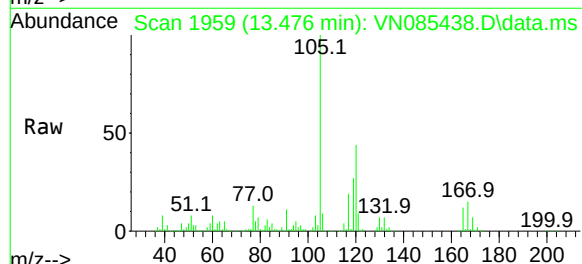
Acq: 14 Jan 2025 14:56

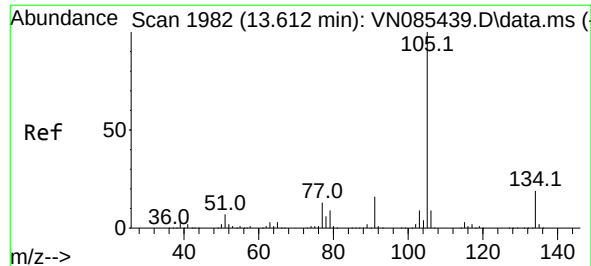
Tgt Ion:105 Resp: 971729

Ion Ratio Lower Upper

105 100

120 43.4 21.6 65.0





#85

sec-Butylbenzene

Concen: 120.587 ug/l

RT: 13.611 min Scan# 19

Delta R.T. -0.001 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 1143885

Ion Ratio Lower Upper

105 100

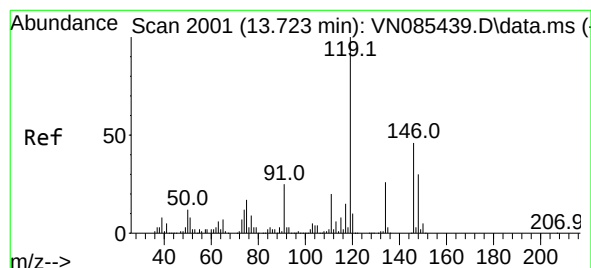
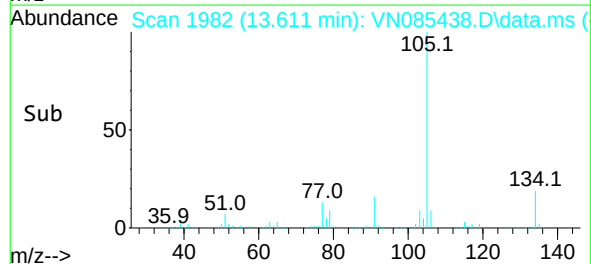
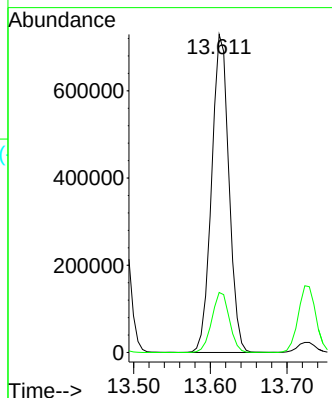
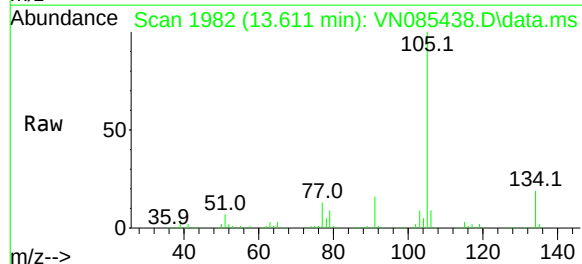
134 19.2 9.7 28.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#86

p-Isopropyltoluene

Concen: 100.111 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

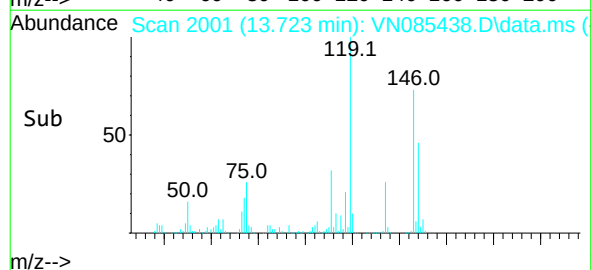
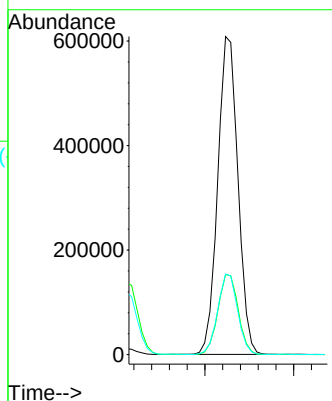
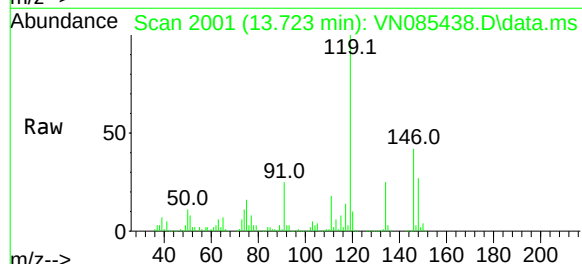
Tgt Ion:119 Resp: 960747

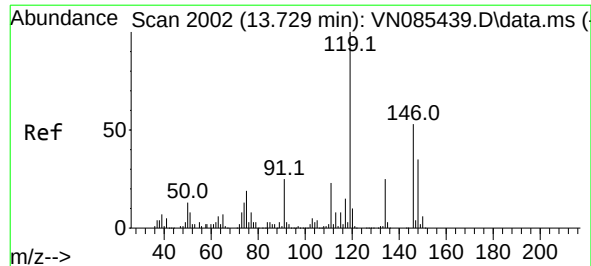
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.0

91 25.0 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 105.943 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 502960

Ion Ratio Lower Upper

146 100

111 42.8 21.4 64.3

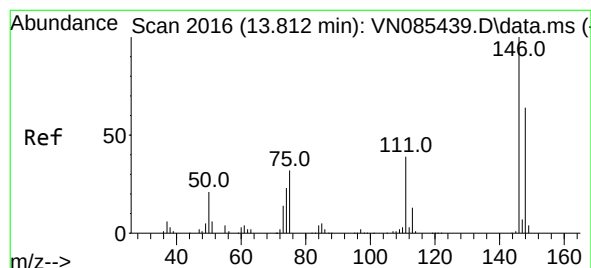
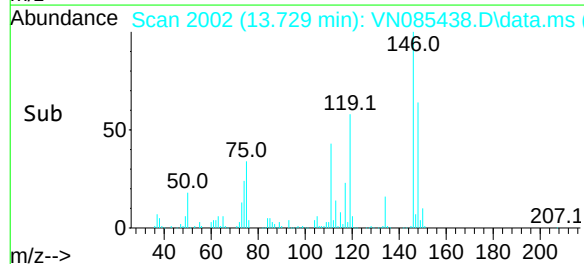
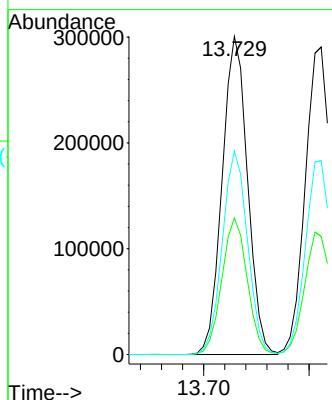
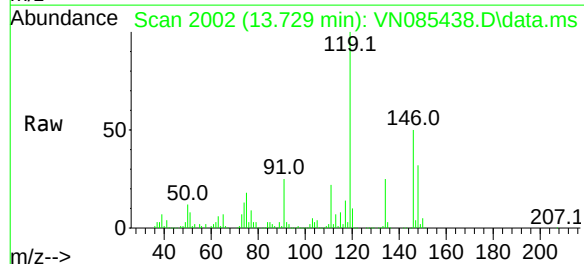
148 63.6 32.3 96.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#88

1,4-Dichlorobenzene

Concen: 101.341 ug/l

RT: 13.811 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

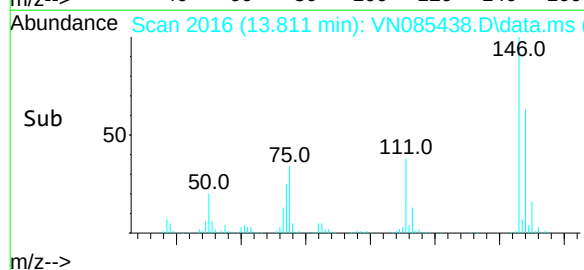
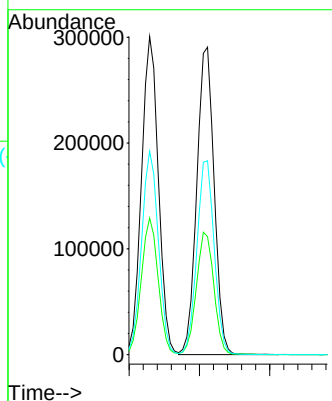
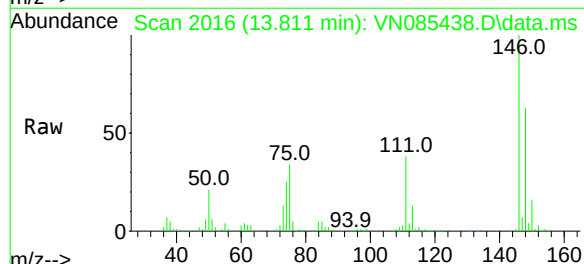
Tgt Ion:146 Resp: 498709

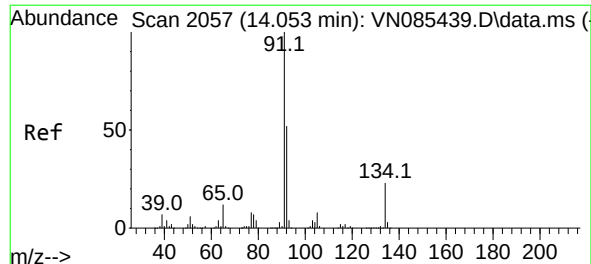
Ion Ratio Lower Upper

146 100

111 40.1 21.3 63.7

148 63.1 32.4 97.0





#89

n-Butylbenzene

Concen: 123.781 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

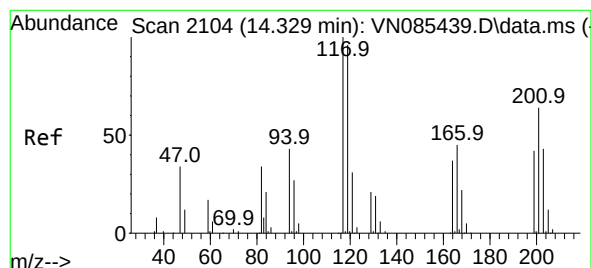
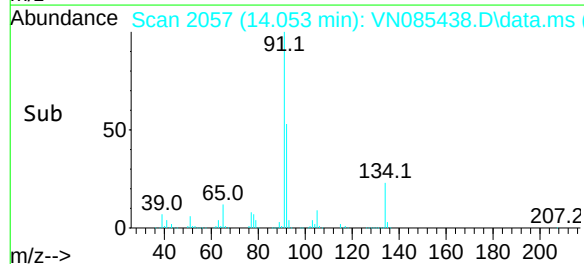
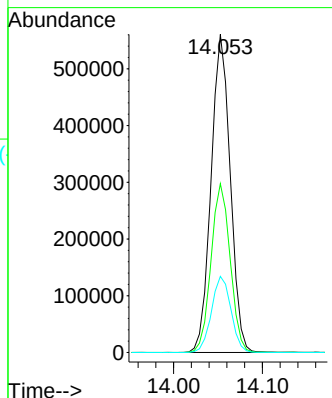
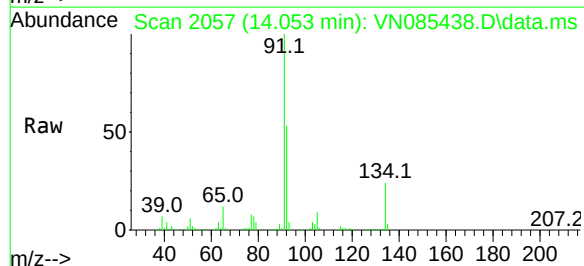
VSTDIC100

Tgt Ion:	91	Resp:	842368
Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.8	77.3
134	24.3	11.7	35.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#90

Hexachloroethane

Concen: 104.405 ug/l

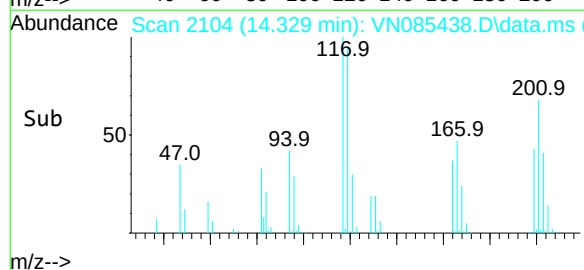
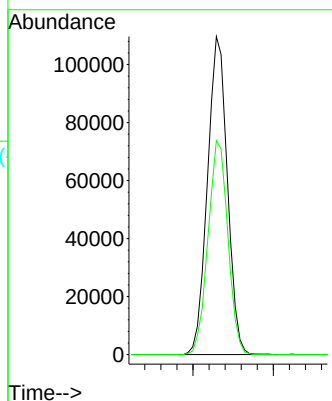
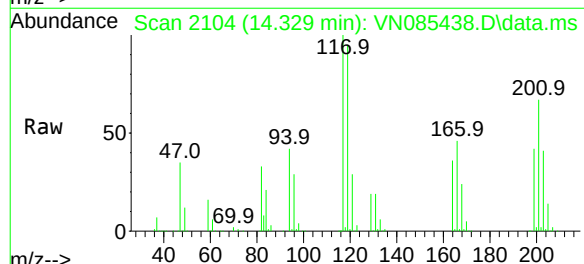
RT: 14.329 min Scan# 2104

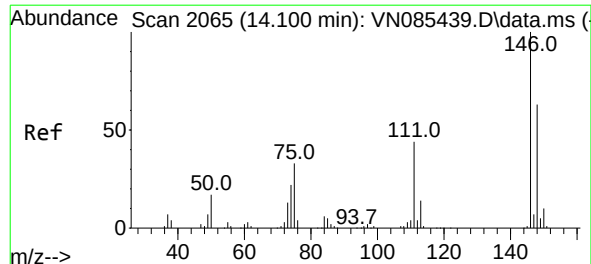
Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Tgt Ion:	117	Resp:	188541
Ion	Ratio	Lower	Upper
117	100		
201	67.2	33.7	101.0





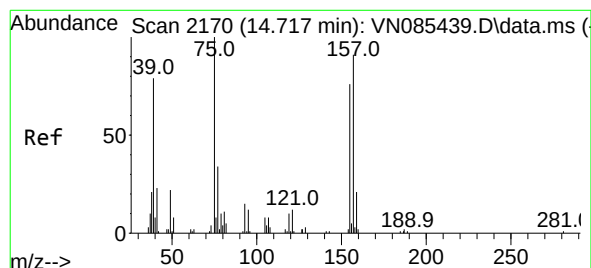
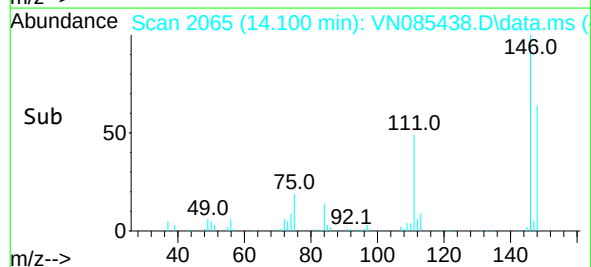
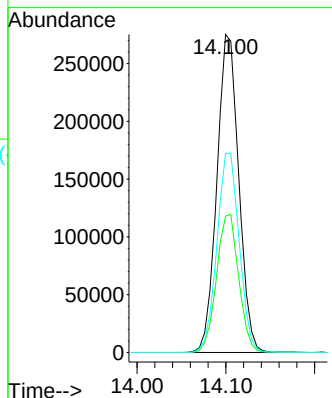
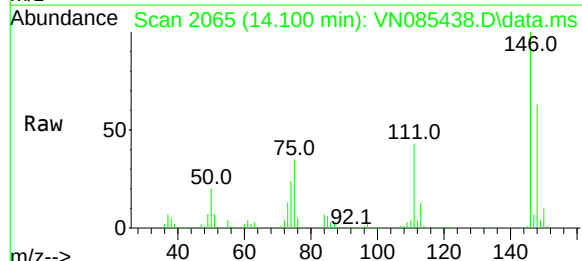
#91
1,2-Dichlorobenzene
Concen: 99.445 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 470919
Ion Ratio Lower Upper
146 100
111 43.9 21.7 65.1
148 64.0 31.4 94.2

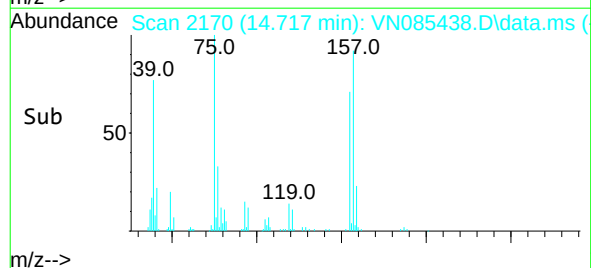
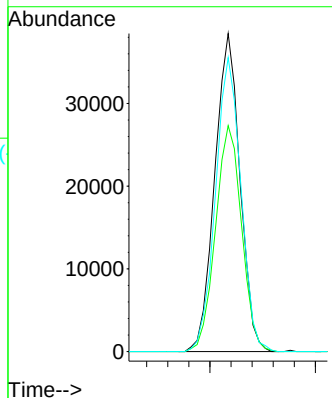
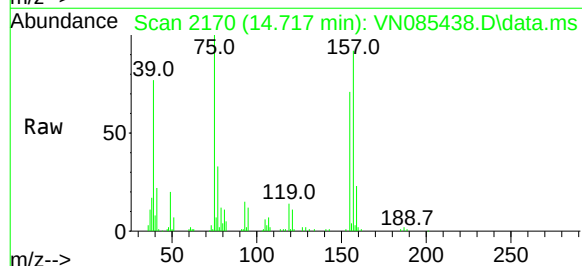
Manual Integrations
APPROVED

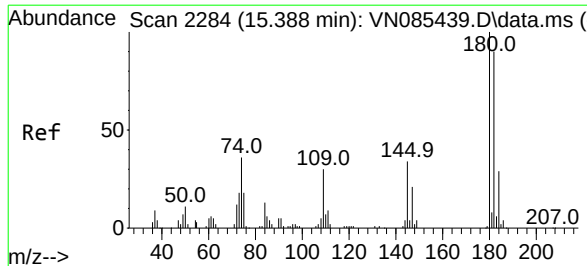
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 100.313 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 75 Resp: 63846
Ion Ratio Lower Upper
75 100
155 73.5 36.4 109.2
157 93.0 45.4 136.1





#93

1,2,4-Trichlorobenzene

Concen: 113.946 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN085438.D

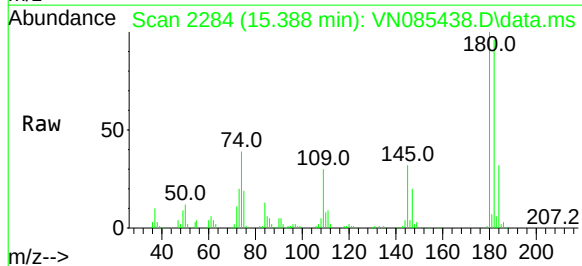
Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

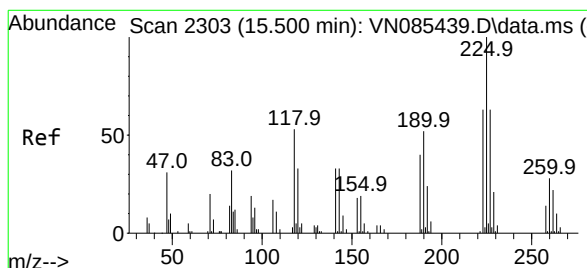
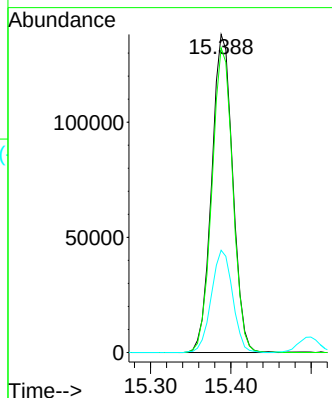
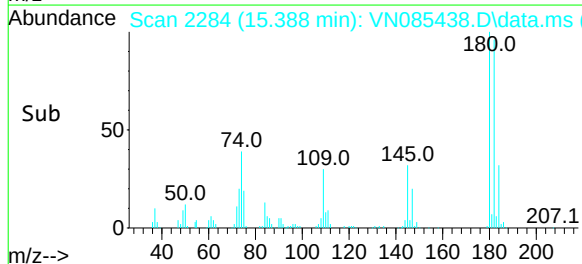
VSTDIC100



Tgt Ion:	180	Resp:	250787
Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.8	140.3
145	32.6	16.0	48.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#94

Hexachlorobutadiene

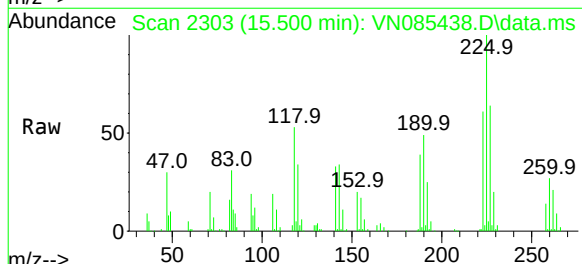
Concen: 96.619 ug/l

RT: 15.500 min Scan# 2303

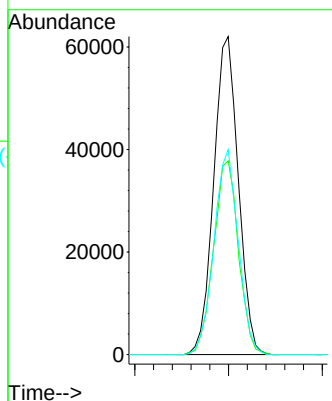
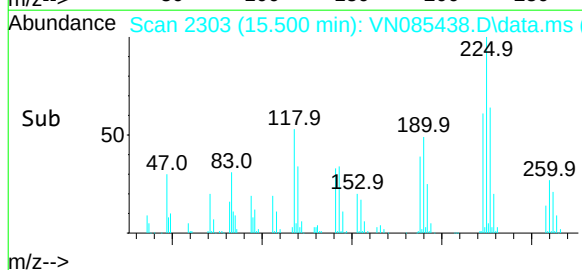
Delta R.T. -0.000 min

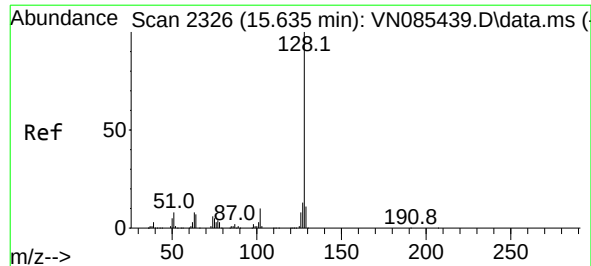
Lab File: VN085438.D

Acq: 14 Jan 2025 14:56



Tgt Ion:	225	Resp:	112899
Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.7	92.1
227	63.6	30.9	92.5





#95

Naphthalene

Concen: 115.234 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:128 Resp: 756816

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

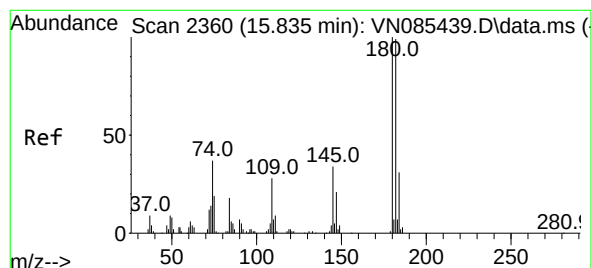
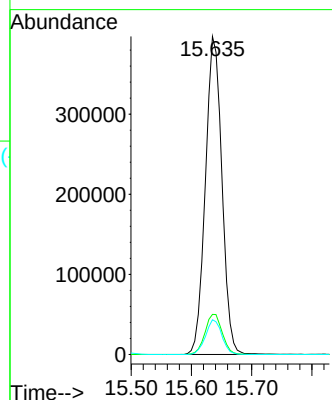
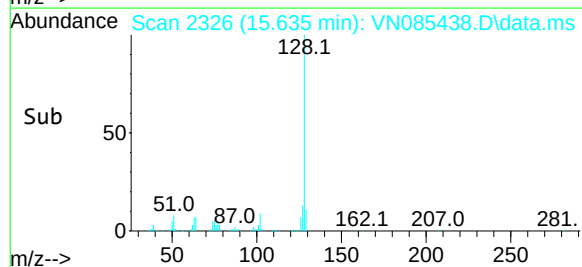
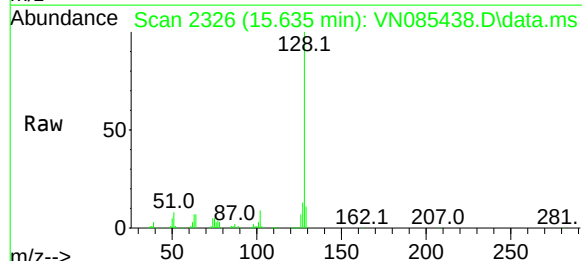
129 10.8 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#96

1,2,3-Trichlorobenzene

Concen: 107.256 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

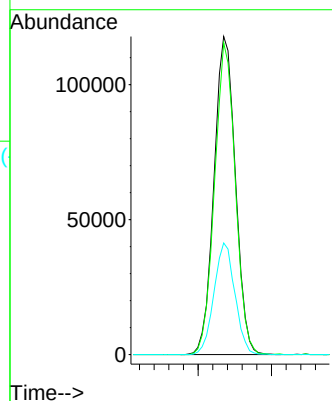
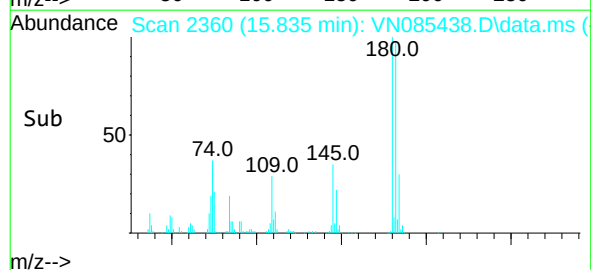
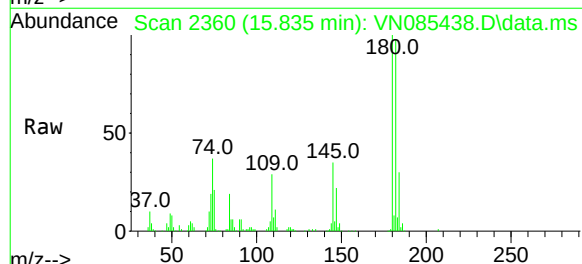
Tgt Ion:180 Resp: 238860

Ion Ratio Lower Upper

180 100

182 95.0 47.4 142.2

145 34.3 16.9 50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085439.D
 Acq On : 14 Jan 2025 15:19
 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 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:42:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 01:28:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	199403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	339872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146624	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	165768	51.500	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.000%
35) Dibromofluoromethane	8.159	113	121554	51.552	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.100%
50) Toluene-d8	10.565	98	430698	51.411	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.820%
62) 4-Bromofluorobenzene	12.847	95	152568	53.239	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.480%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	125504	46.486	ug/l	100
3) Chloromethane	2.359	50	135631	46.398	ug/l	100
4) Vinyl Chloride	2.512	62	136831	46.569	ug/l	100
5) Bromomethane	2.953	94	83199	46.877	ug/l	100
6) Chloroethane	3.118	64	84517	45.371	ug/l	100
7) Trichlorofluoromethane	3.501	101	198726	46.613	ug/l	100
8) Diethyl Ether	3.953	74	71764	48.726	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	108081	45.010	ug/l	100
10) Methyl Iodide	4.589	142	143383	52.142	ug/l	100
11) Tert butyl alcohol	5.512	59	92841	251.894	ug/l	100
12) 1,1-Dichloroethene	4.342	96	106247	49.647	ug/l	100
13) Acrolein	4.171	56	139234	276.734	ug/l	100
14) Allyl chloride	5.018	41	168654	48.567	ug/l	100
15) Acrylonitrile	5.712	53	296781	253.507	ug/l	100
16) Acetone	4.418	43	251271	241.603	ug/l	100
17) Carbon Disulfide	4.706	76	294604	44.710	ug/l	100
18) Methyl Acetate	5.018	43	157485	49.798	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	373561	53.758	ug/l	100
20) Methylene Chloride	5.271	84	125508	48.748	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	110684	48.395	ug/l	100
22) Diisopropyl ether	6.665	45	406253	52.707	ug/l	100
23) Vinyl Acetate	6.594	43	1491031	275.471	ug/l	100
24) 1,1-Dichloroethane	6.565	63	233336	49.648	ug/l	100
25) 2-Butanone	7.477	43	388457	253.815	ug/l	100
26) 2,2-Dichloropropane	7.483	77	186591	49.106	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	136229	50.571	ug/l	100
28) Bromochloromethane	7.806	49	108148	49.461	ug/l	100
29) Tetrahydrofuran	7.830	42	259683	267.624	ug/l	100
30) Chloroform	7.959	83	234271	48.229	ug/l	100
31) Cyclohexane	8.253	56	175588	42.984	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	202590	47.547	ug/l	100
36) 1,1-Dichloropropene	8.365	75	157031	47.453	ug/l	100
37) Ethyl Acetate	7.553	43	165866	49.658	ug/l	100
38) Carbon Tetrachloride	8.359	117	180199	47.564	ug/l	100
39) Methylcyclohexane	9.600	83	157234	50.562	ug/l	100
40) Benzene	8.600	78	492606	49.542	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085439.D
 Acq On : 14 Jan 2025 15:19
 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 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:42:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 01:28:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	91711	52.775	ug/l	100
42) 1,2-Dichloroethane	8.665	62	186065	49.685	ug/l	100
43) Isopropyl Acetate	8.683	43	276228	51.611	ug/l	100
44) Trichloroethene	9.347	130	109953	47.506	ug/l	100
45) 1,2-Dichloropropane	9.618	63	126084	49.644	ug/l	100
46) Dibromomethane	9.706	93	90670	49.476	ug/l	100
47) Bromodichloromethane	9.882	83	189915	50.867	ug/l	100
48) Methyl methacrylate	9.677	41	133399	55.385	ug/l	100
49) 1,4-Dioxane	9.688	88	43048	1061.334	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	836707	269.403	ug/l	100
52) Toluene	10.624	92	295792	51.341	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	187439	53.125	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	199771	53.006	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	115462	50.641	ug/l	100
56) Ethyl methacrylate	10.871	69	184775	48.182	ug/l	100
57) 1,3-Dichloropropane	11.159	76	204590	51.606	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	409594	283.088	ug/l	100
59) 2-Hexanone	11.188	43	606740	277.643	ug/l	100
60) Dibromochloromethane	11.353	129	140704	51.116	ug/l	100
61) 1,2-Dibromoethane	11.465	107	113541	50.028	ug/l	100
64) Tetrachloroethene	11.100	164	95879	47.295	ug/l	100
65) Chlorobenzene	11.888	112	319992	49.121	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	116488	48.722	ug/l	100
67) Ethyl Benzene	11.959	91	555322	52.339	ug/l	100
68) m/p-Xylenes	12.065	106	420702	107.286	ug/l	100
69) o-Xylene	12.394	106	202597	54.062	ug/l	100
70) Styrene	12.406	104	348720	56.227	ug/l	100
71) Bromoform	12.576	173	92366	53.993	ug/l #	100
73) Isopropylbenzene	12.688	105	505619	51.094	ug/l	100
74) N-amyl acetate	12.488	43	237870	53.478	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	167856	48.019	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	130866m	43.982	ug/l	
77) Bromobenzene	12.976	156	125800	48.657	ug/l	100
78) n-propylbenzene	13.029	91	609022	51.986	ug/l	100
79) 2-Chlorotoluene	13.123	91	378981	49.985	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	431021	52.730	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	57184	51.914	ug/l	100
82) 4-Chlorotoluene	13.218	91	379524	50.273	ug/l	100
83) tert-Butylbenzene	13.435	119	357563	52.090	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	442175	54.275	ug/l	100
85) sec-Butylbenzene	13.612	105	501561	52.719	ug/l	100
86) p-Isopropyltoluene	13.723	119	421052	49.240	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	229518	48.204	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	229084	46.416	ug/l	100
89) n-Butylbenzene	14.053	91	364111	53.348	ug/l	100
90) Hexachloroethane	14.329	117	84602	46.712	ug/l	100
91) 1,2-Dichlorobenzene	14.100	146	228024	48.012	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32536	50.971	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	114468	51.857	ug/l	100
94) Hexachlorobutadiene	15.500	225	53846	45.947	ug/l	100
95) Naphthalene	15.635	128	363882	55.243	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	115251	51.601	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
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 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

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

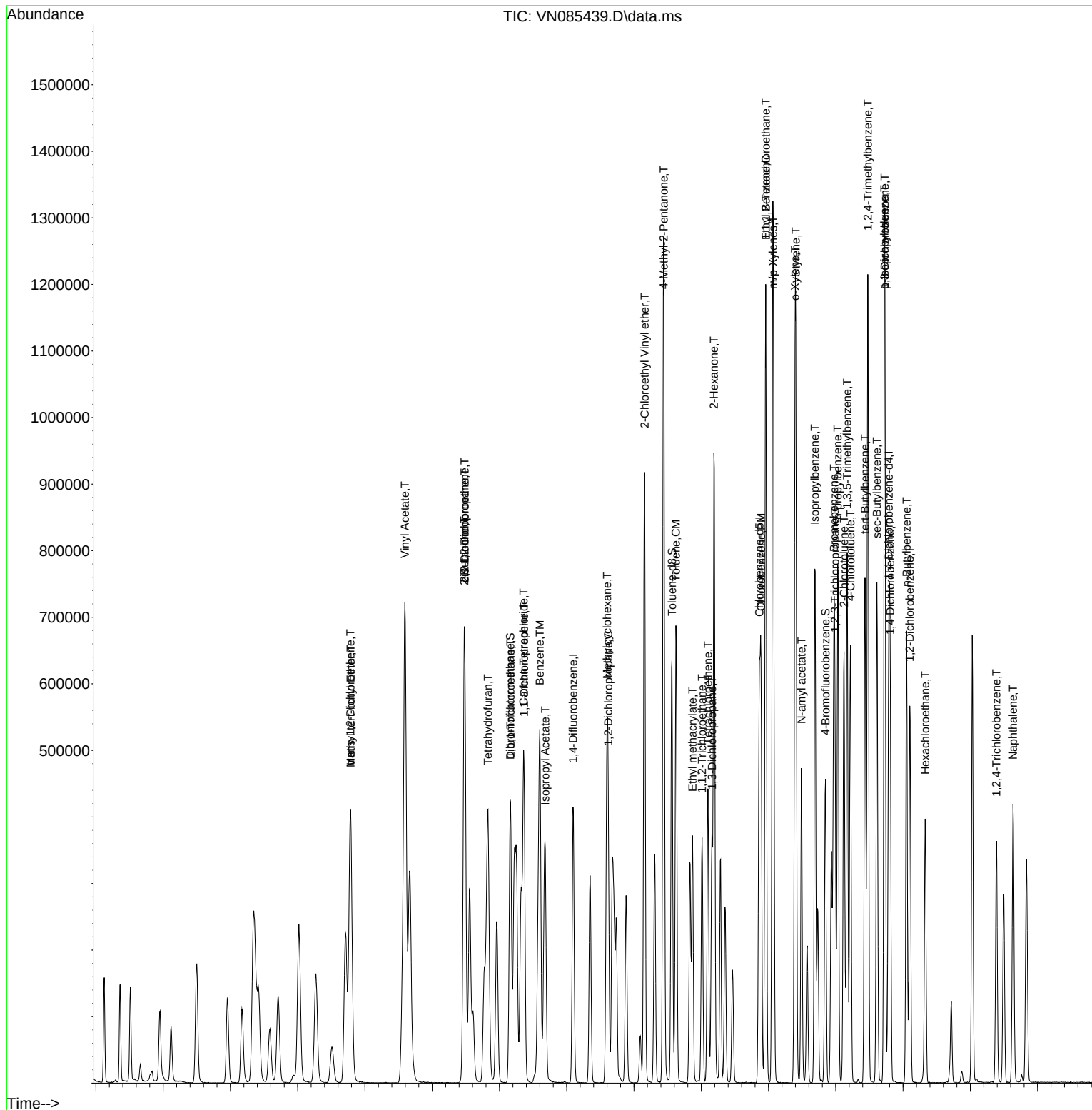
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\  
Data File : VN085439.D  
Acq On    : 14 Jan 2025   15:19  
Operator  : JC\MD  
Sample    : VSTDICCC050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 5      Sample Multiplier: 1
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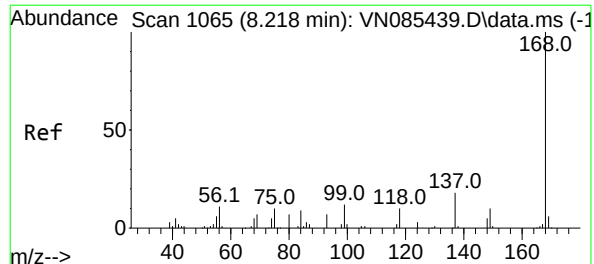
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\M\$VOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration





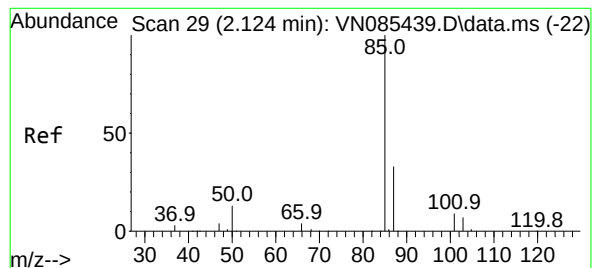
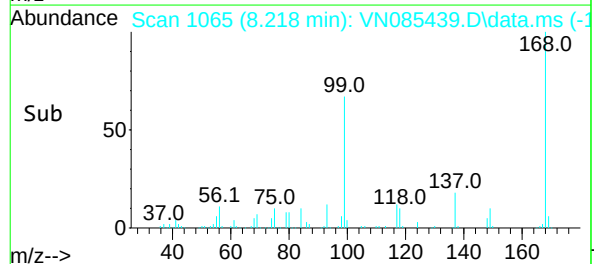
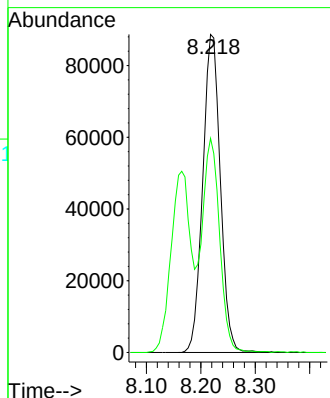
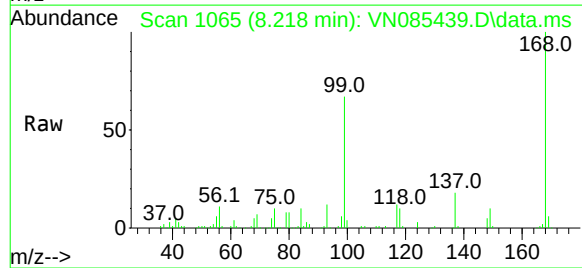
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 199403
Ion Ratio Lower Upper
168 100
99 67.0 53.6 80.4

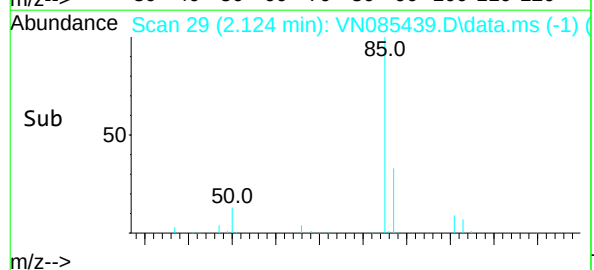
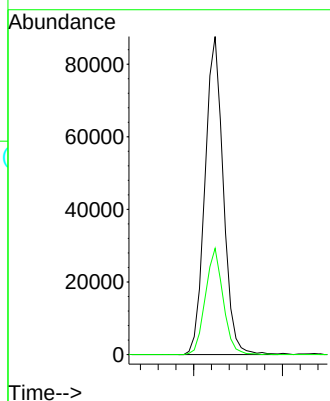
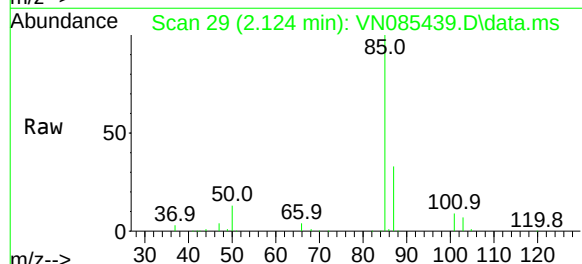
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

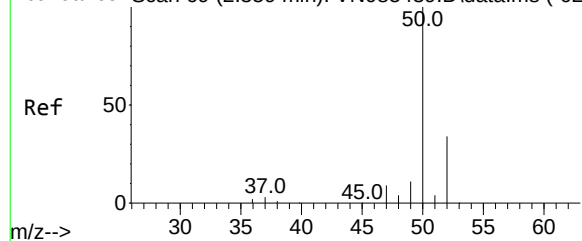


#2
Dichlorodifluoromethane
Concen: 46.486 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 85 Resp: 125504
Ion Ratio Lower Upper
85 100
87 33.4 16.7 50.1



Abundance Scan 69 (2.359 min): VN085439.D\data.ms (-62)



#3

Chloromethane

Concen: 46.398 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 135631

Ion Ratio Lower Upper

50 100

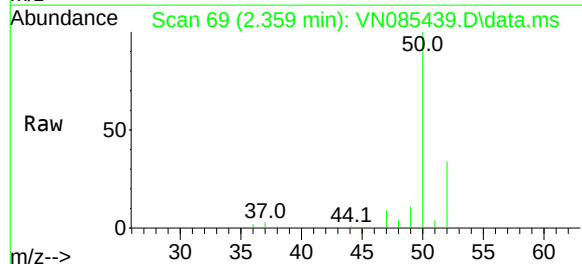
52 33.8 27.0 40.6

Manual Integrations

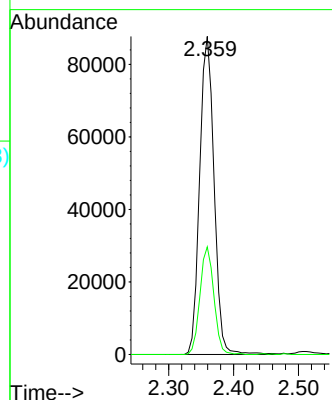
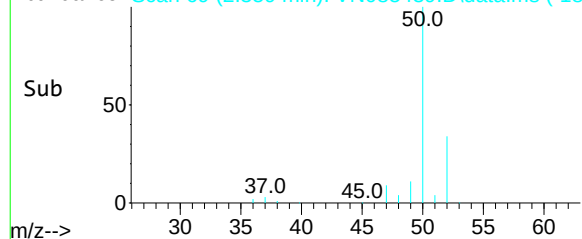
APPROVED

Reviewed By :John Carlone 01/15/2025

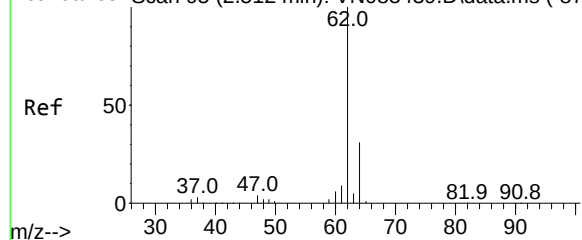
Supervised By :Mahesh Dadoda 01/15/2025



Abundance Scan 69 (2.359 min): VN085439.D\data.ms (-18)



Abundance Scan 95 (2.512 min): VN085439.D\data.ms (-87)



#4

Vinyl Chloride

Concen: 46.569 ug/l

RT: 2.512 min Scan# 95

Delta R.T. 0.000 min

Lab File: VN085439.D

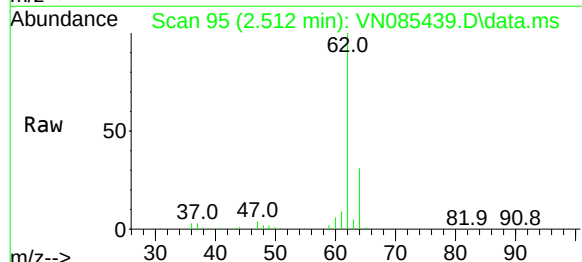
Acq: 14 Jan 2025 15:19

Tgt Ion: 62 Resp: 136831

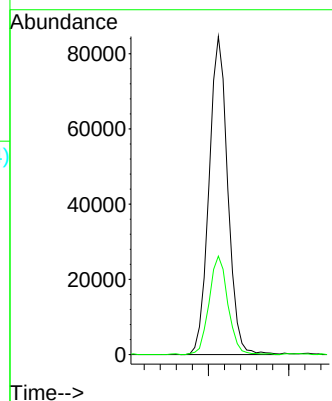
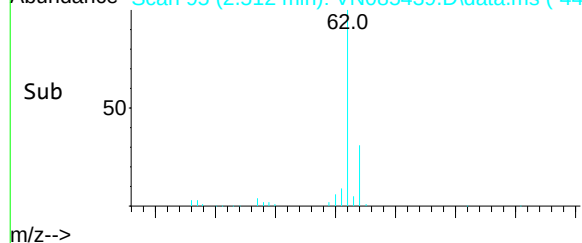
Ion Ratio Lower Upper

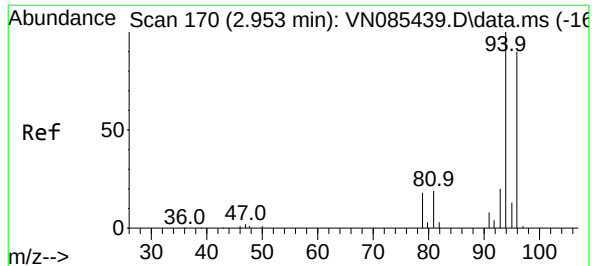
62 100

64 31.0 24.8 37.2



Abundance Scan 95 (2.512 min): VN085439.D\data.ms (-44)





#5

Bromomethane

Concen: 46.877 ug/l

RT: 2.953 min Scan# 170

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 83199

Ion Ratio Lower Upper

94 100

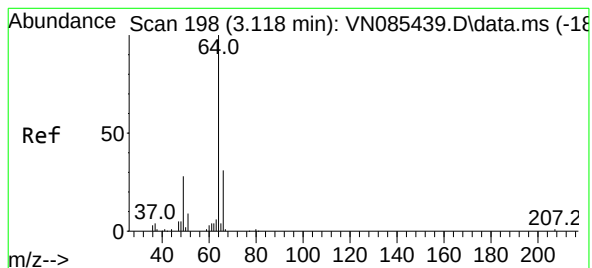
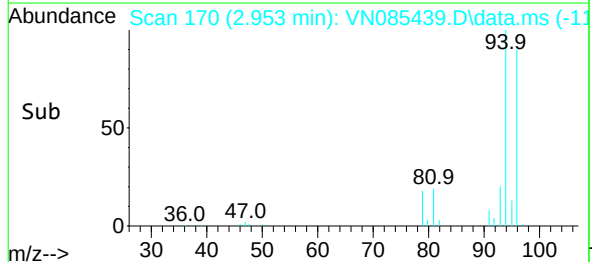
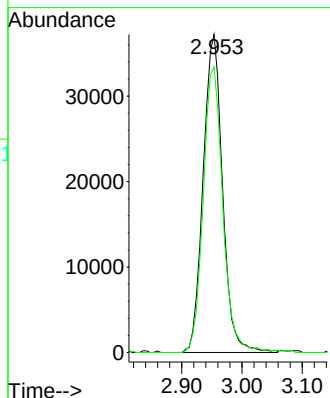
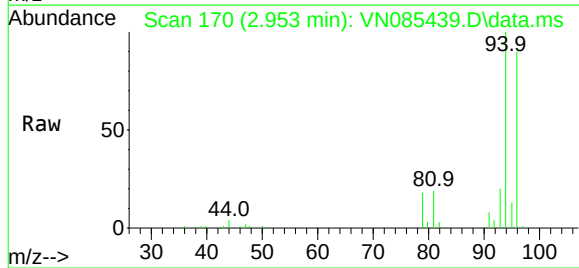
96 89.7 71.8 107.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#6

Chloroethane

Concen: 45.371 ug/l

RT: 3.118 min Scan# 198

Delta R.T. 0.000 min

Lab File: VN085439.D

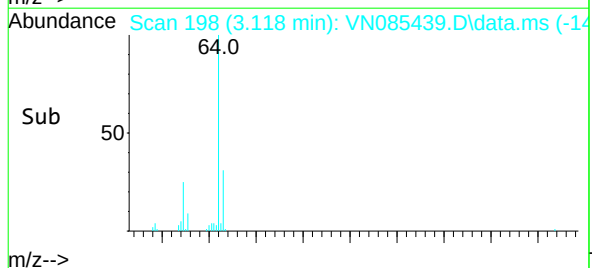
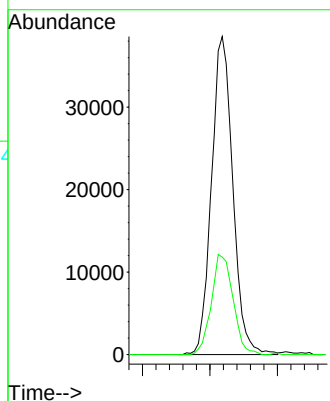
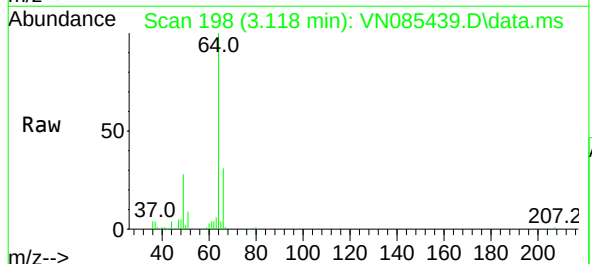
Acq: 14 Jan 2025 15:19

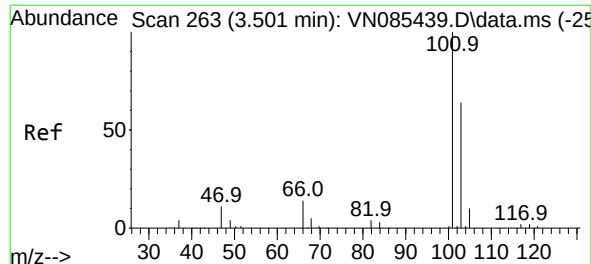
Tgt Ion: 64 Resp: 84517

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8





#7

Trichlorofluoromethane

Concen: 46.613 ug/l

RT: 3.501 min Scan# 263

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 198726

Ion Ratio Lower Upper

101 100

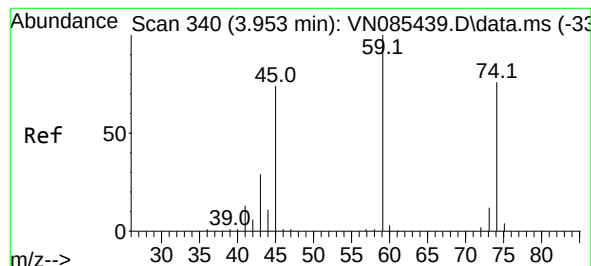
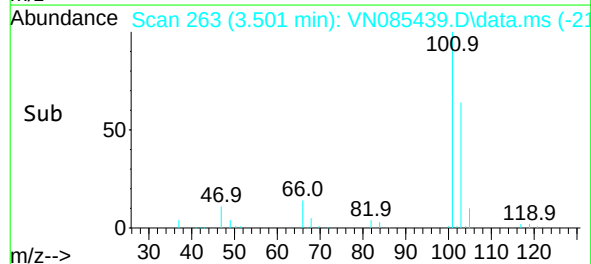
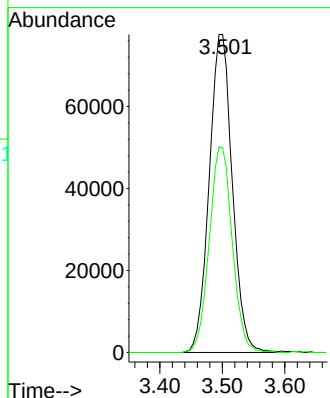
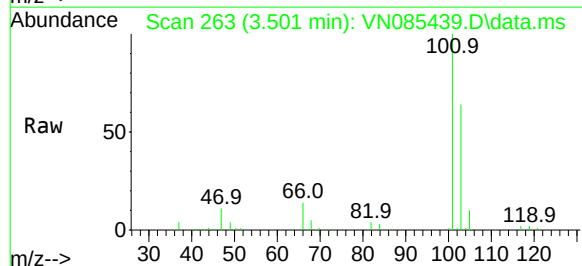
103 64.3 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#8

Diethyl Ether

Concen: 48.726 ug/l

RT: 3.953 min Scan# 340

Delta R.T. 0.000 min

Lab File: VN085439.D

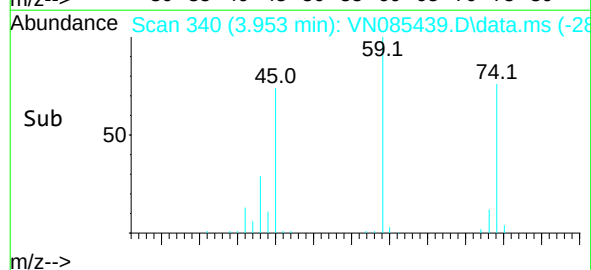
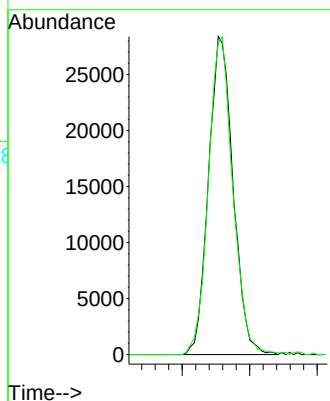
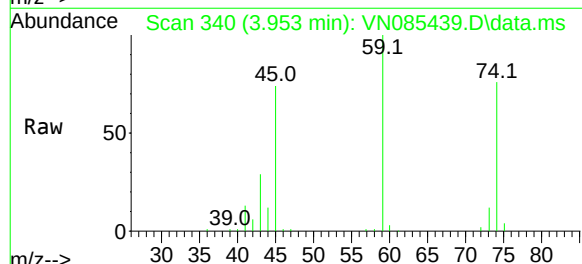
Acq: 14 Jan 2025 15:19

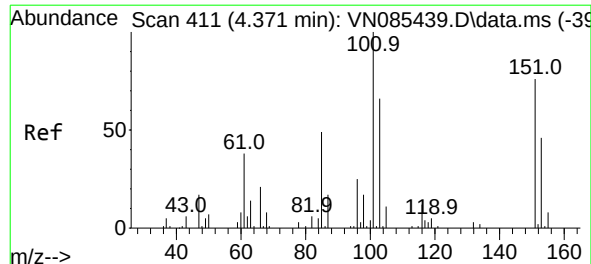
Tgt Ion: 74 Resp: 71764

Ion Ratio Lower Upper

74 100

45 99.4 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.010 ug/l

RT: 4.371 min Scan# 411

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 108081

Ion Ratio Lower Upper

101 100

85 47.3 37.8 56.8

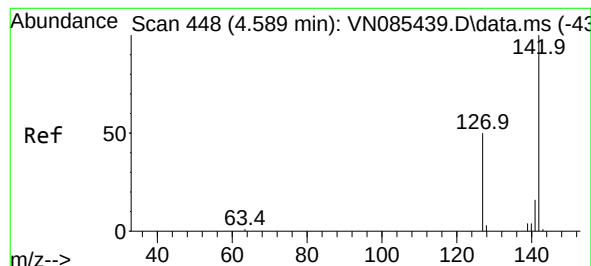
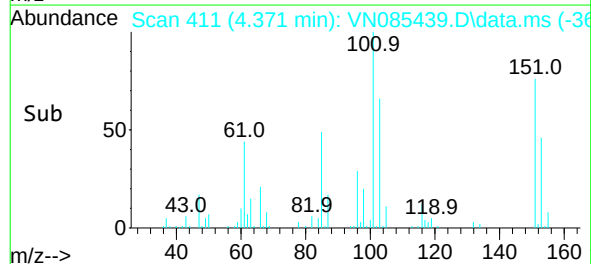
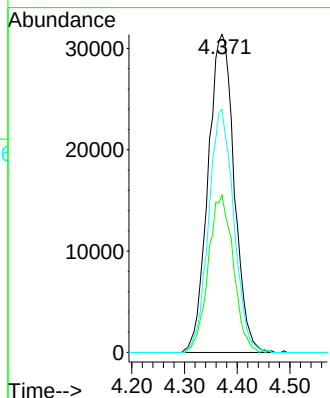
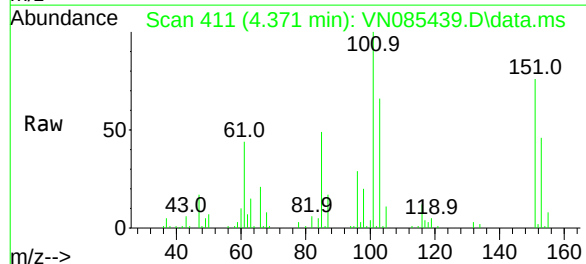
151 73.5 58.8 88.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#10

Methyl Iodide

Concen: 52.142 ug/l

RT: 4.589 min Scan# 448

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

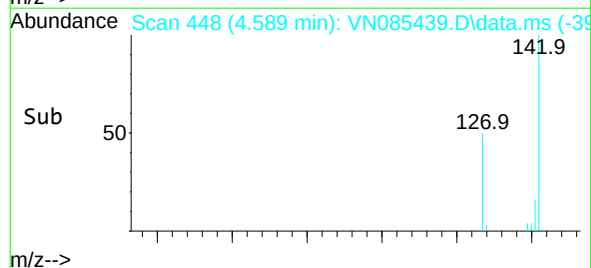
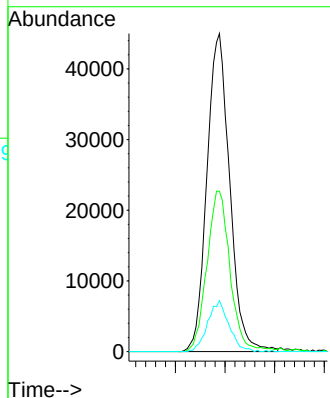
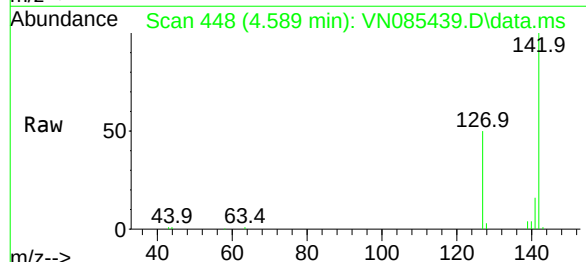
Tgt Ion:142 Resp: 143383

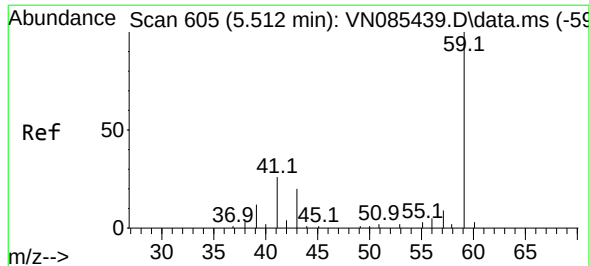
Ion Ratio Lower Upper

142 100

127 50.4 40.3 60.5

141 16.0 12.8 19.2





#11

Tert butyl alcohol

Concen: 251.894 ug/l

RT: 5.512 min Scan# 605

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 92841

Ion Ratio Lower Upper

59 100

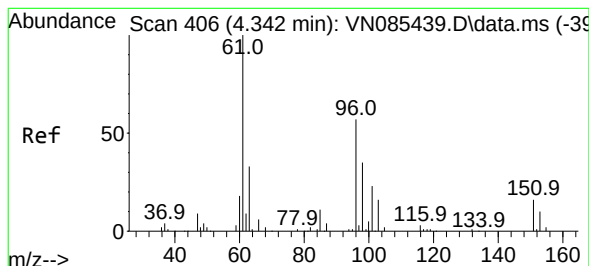
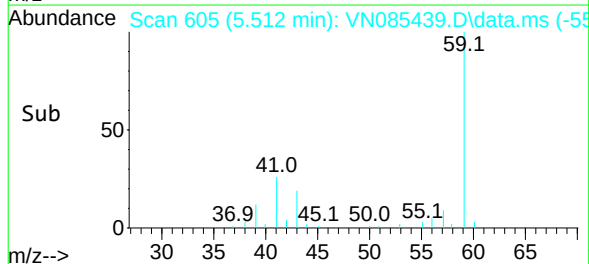
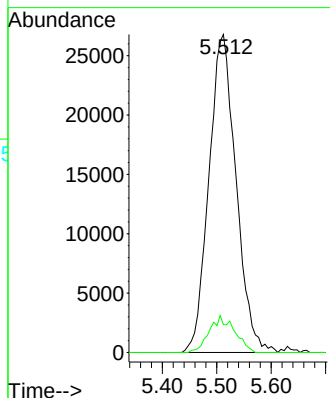
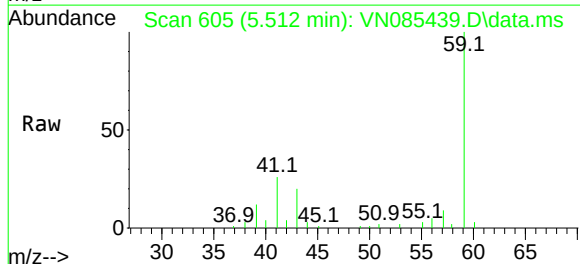
57 10.8 8.6 13.0

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#12

1,1-Dichloroethene

Concen: 49.647 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

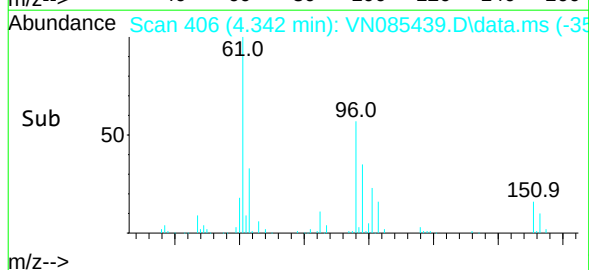
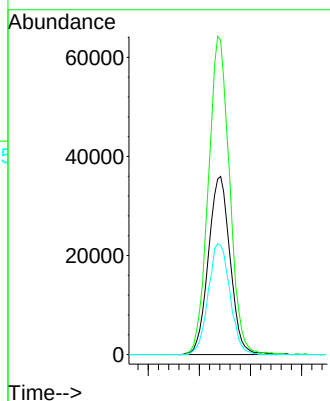
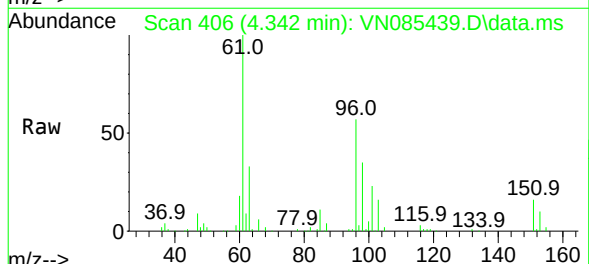
Tgt Ion: 96 Resp: 106247

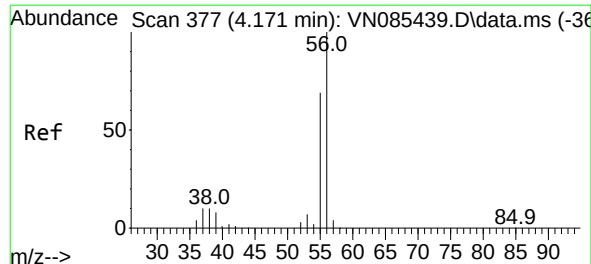
Ion Ratio Lower Upper

96 100

61 176.2 141.0 211.4

98 61.3 49.0 73.6





#13

Acrolein

Concen: 276.734 ug/l

RT: 4.171 min Scan# 377

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 139234

Ion Ratio Lower Upper

56 100

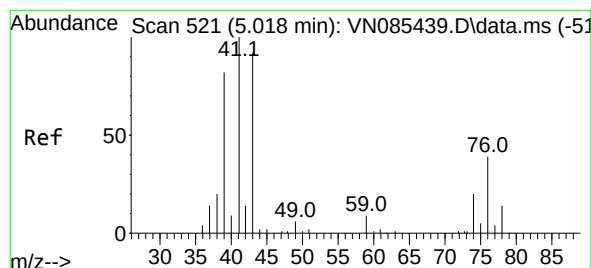
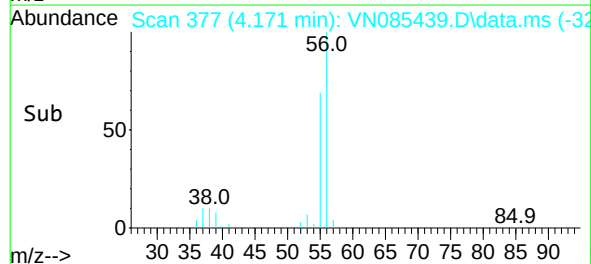
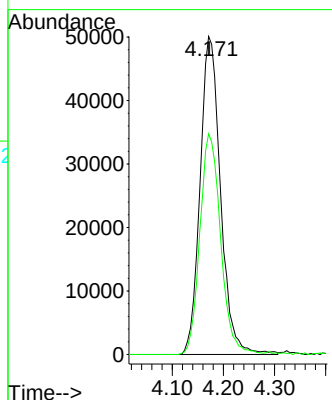
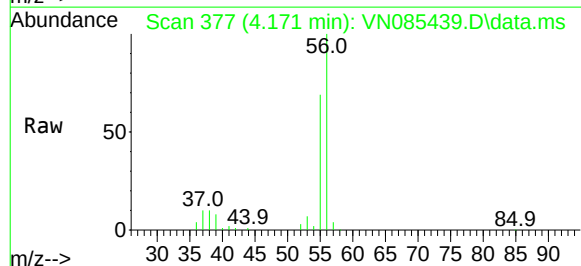
55 70.4 56.3 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#14

Allyl chloride

Concen: 48.567 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

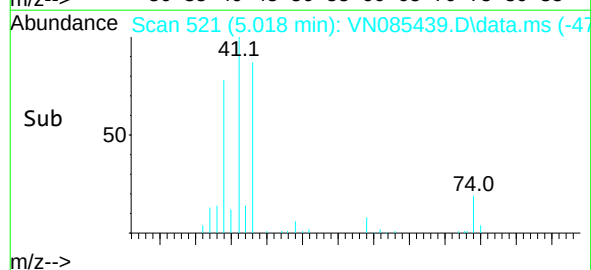
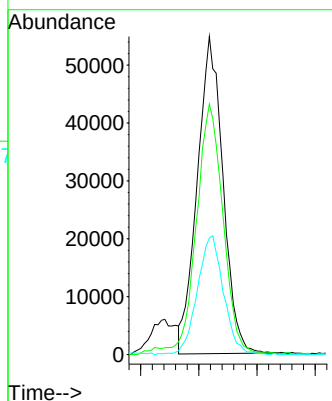
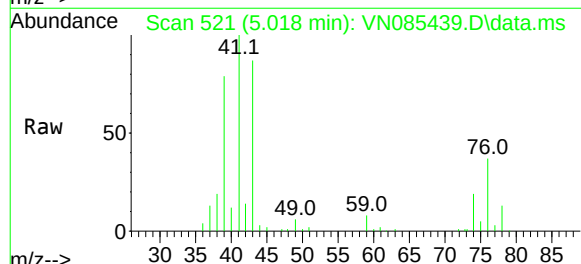
Tgt Ion: 41 Resp: 168654

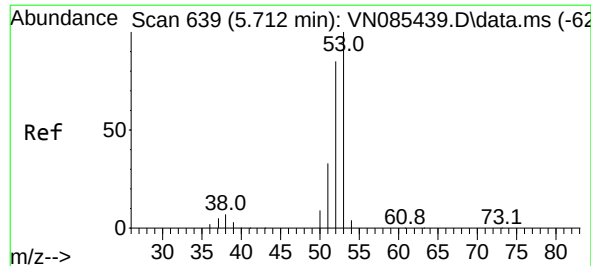
Ion Ratio Lower Upper

41 100

39 80.5 64.4 96.6

76 38.1 30.5 45.7





#15

Acrylonitrile

Concen: 253.507 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

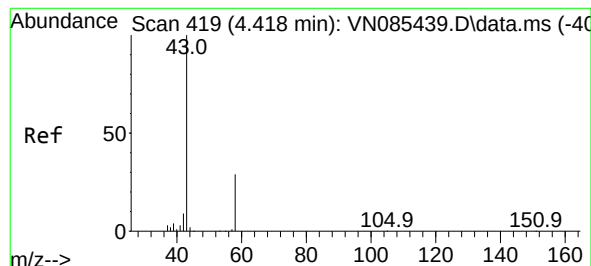
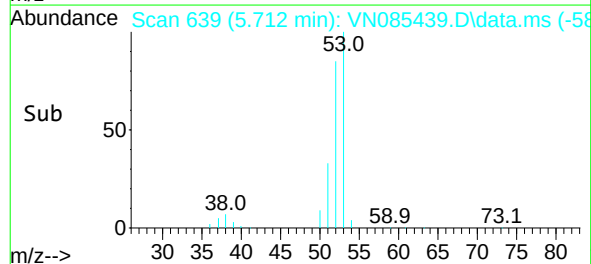
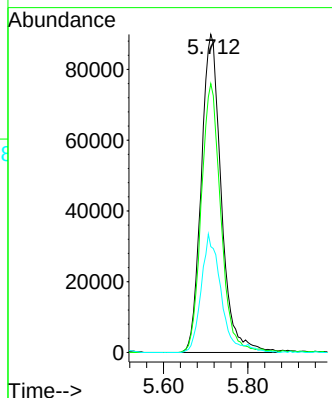
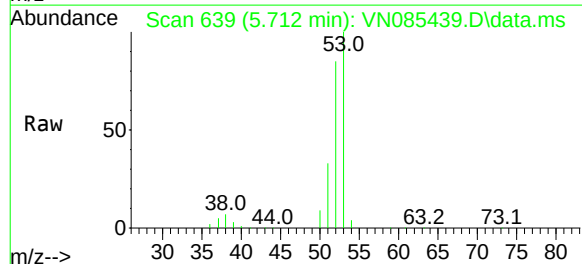
ClientSampleId :

VSTDICCC050

Tgt Ion:	53	Resp:	296781
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	37.3	29.8	44.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#16

Acetone

Concen: 241.603 ug/l

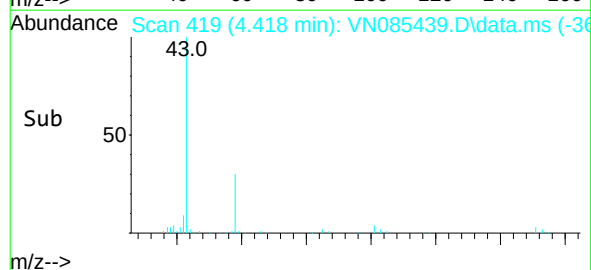
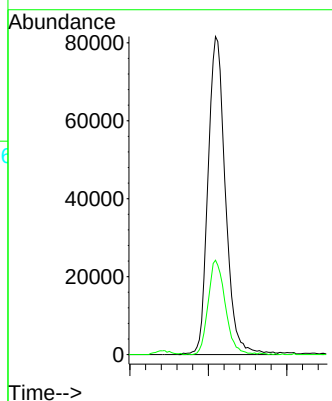
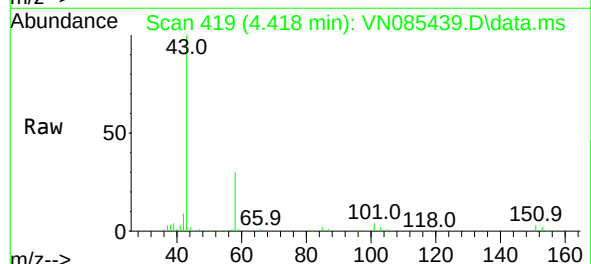
RT: 4.418 min Scan# 419

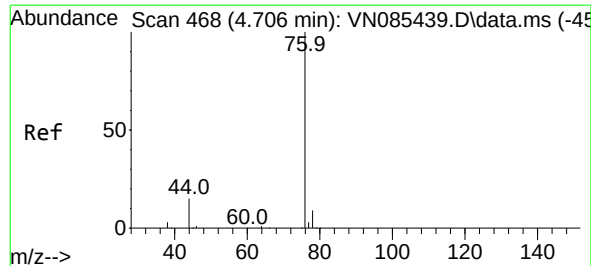
Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion:	43	Resp:	251271
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.8	35.6





#17

Carbon Disulfide

Concen: 44.710 ug/l

RT: 4.706 min Scan# 468

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 294604

Ion Ratio Lower Upper

76 100

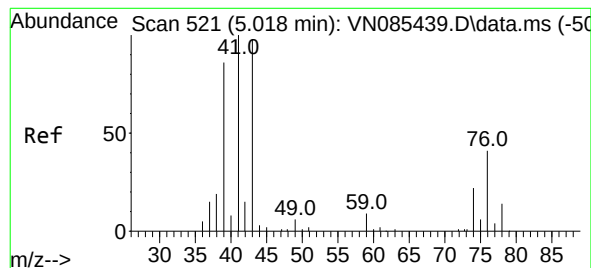
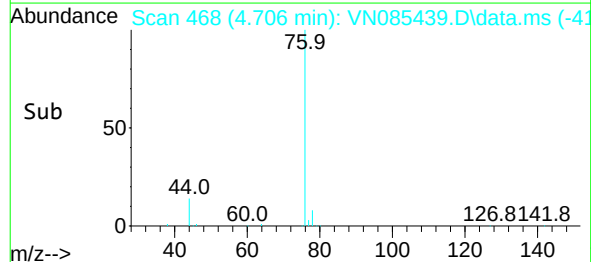
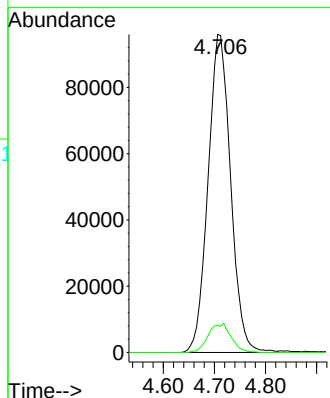
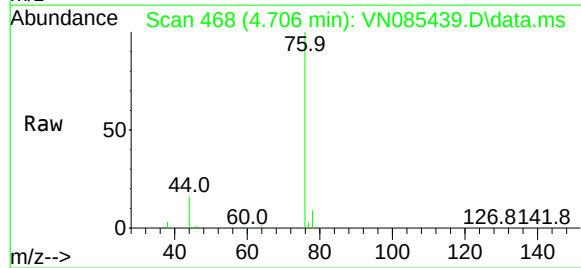
78 8.6 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#18

Methyl Acetate

Concen: 49.798 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN085439.D

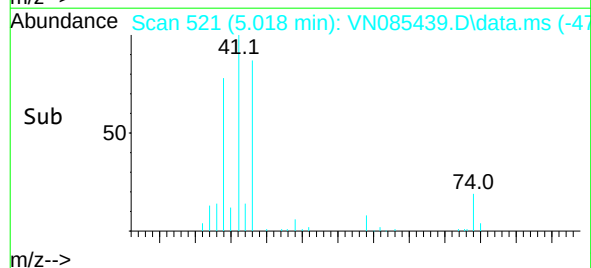
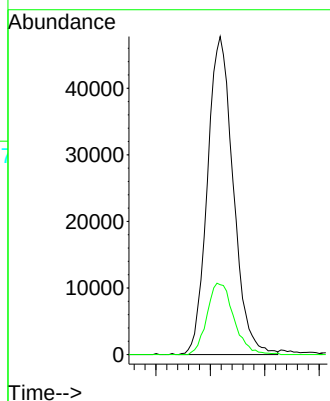
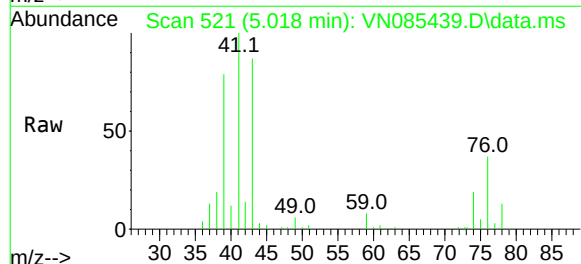
Acq: 14 Jan 2025 15:19

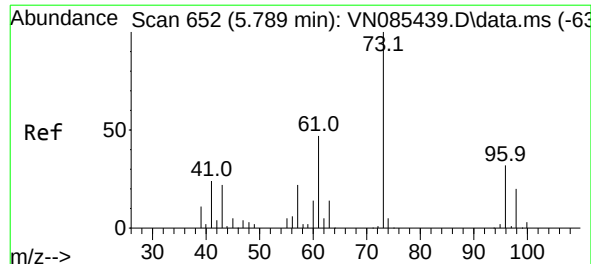
Tgt Ion: 43 Resp: 157485

Ion Ratio Lower Upper

43 100

74 23.3 18.6 28.0





#19

Methyl tert-butyl Ether

Concen: 53.758 ug/l

RT: 5.789 min Scan# 65

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 373561

Ion Ratio Lower Upper

73 100

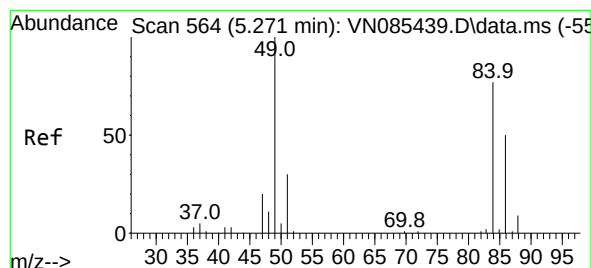
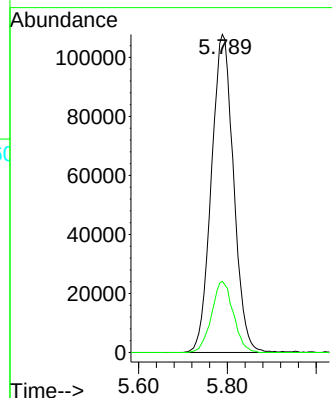
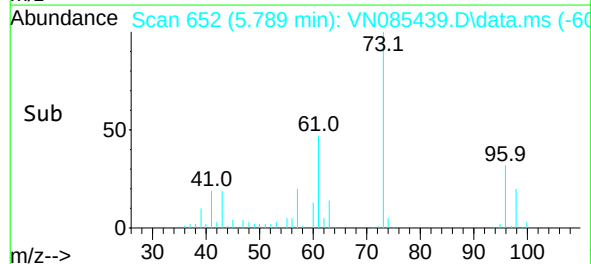
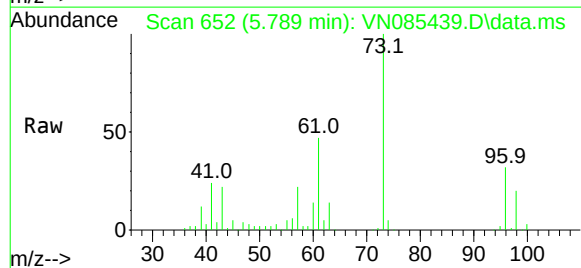
57 22.3 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#20

Methylene Chloride

Concen: 48.748 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion: 84 Resp: 125508

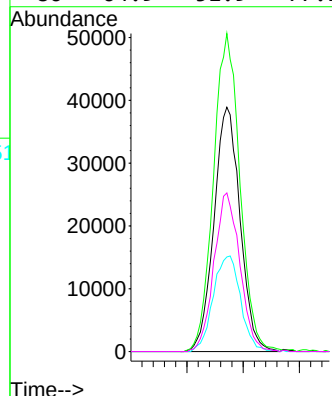
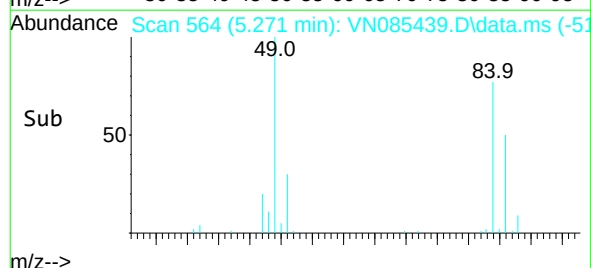
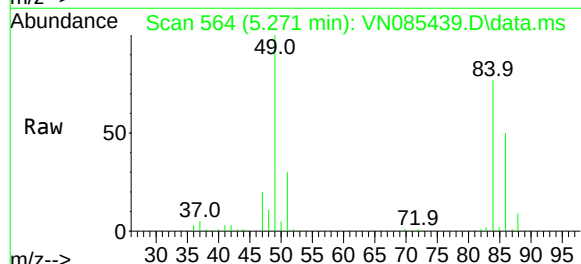
Ion Ratio Lower Upper

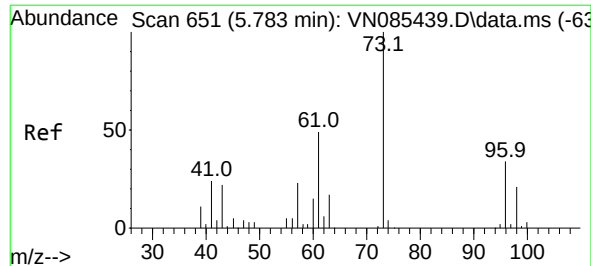
84 100

49 130.1 104.1 156.1

51 38.7 31.0 46.4

86 64.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 48.395 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 110684

Ion Ratio Lower Upper

96 100

61 144.6 115.7 173.5

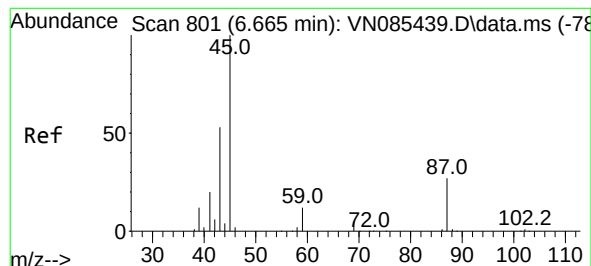
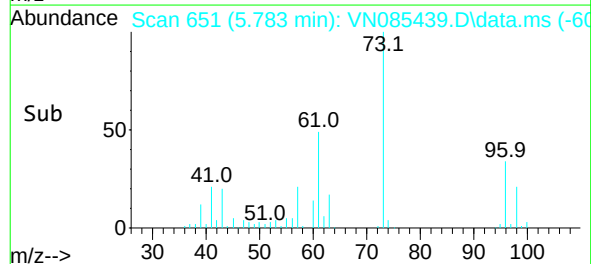
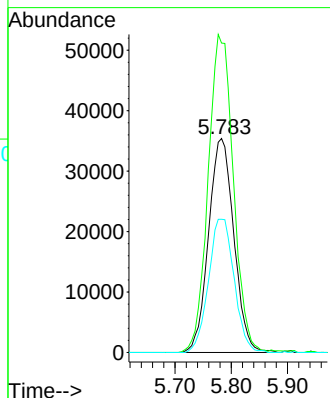
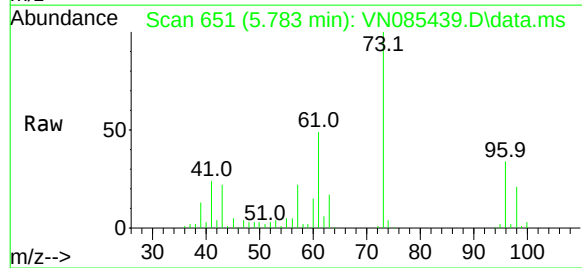
98 62.3 49.8 74.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#22

Diisopropyl ether

Concen: 52.707 ug/l

RT: 6.665 min Scan# 801

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion: 45 Resp: 406253

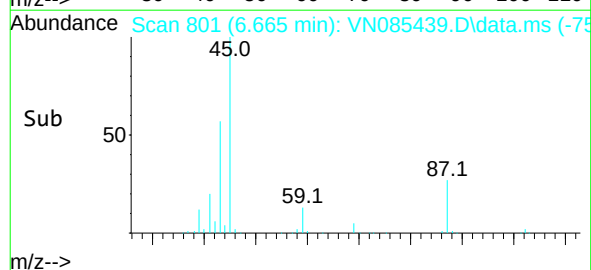
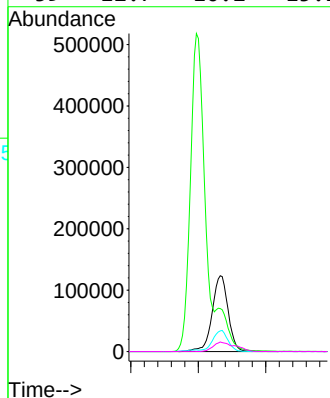
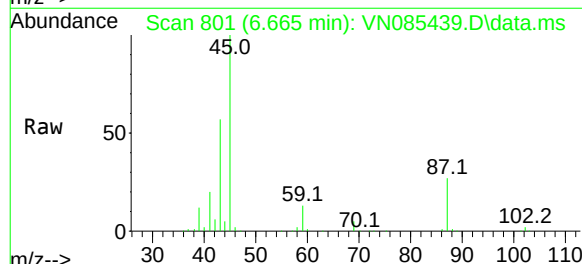
Ion Ratio Lower Upper

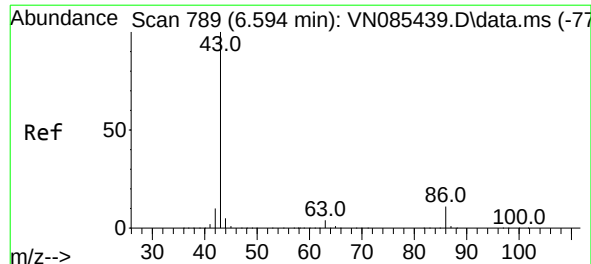
45 100

43 56.3 45.0 67.6

87 27.3 21.8 32.8

59 12.7 10.2 15.2





#23

Vinyl Acetate

Concen: 275.471 ug/l

RT: 6.594 min Scan# 789

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1491031

Ion Ratio Lower Upper

43 100

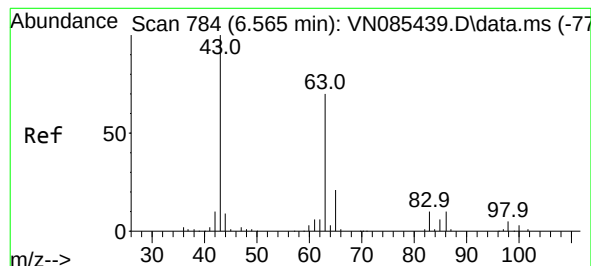
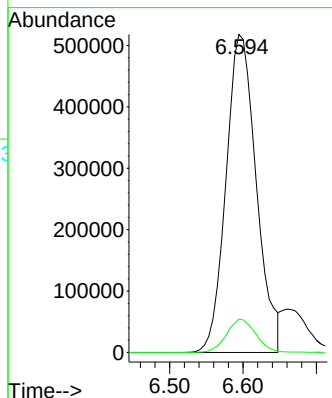
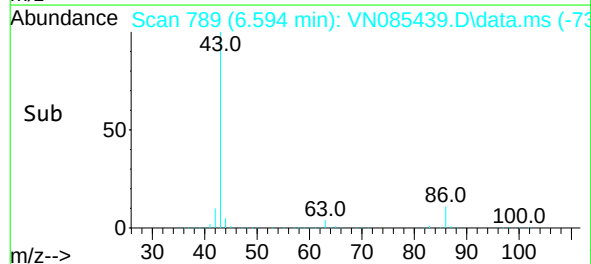
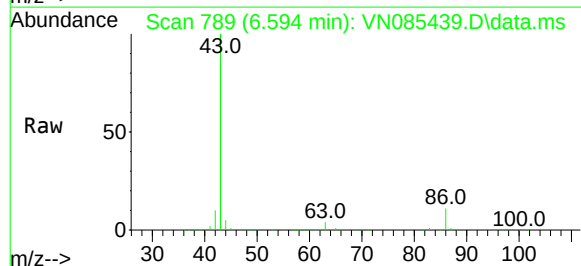
86 10.5 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#24

1,1-Dichloroethane

Concen: 49.648 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

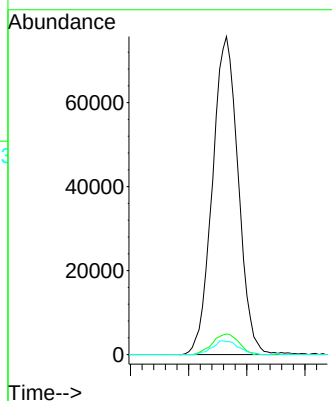
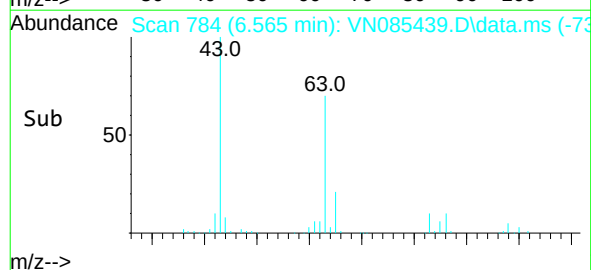
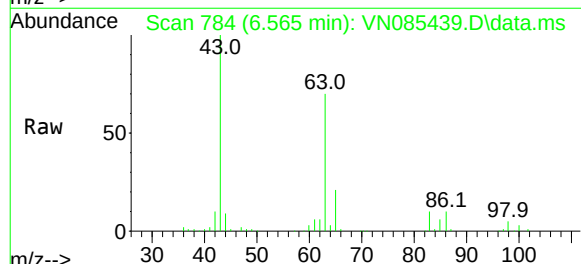
Tgt Ion: 63 Resp: 233336

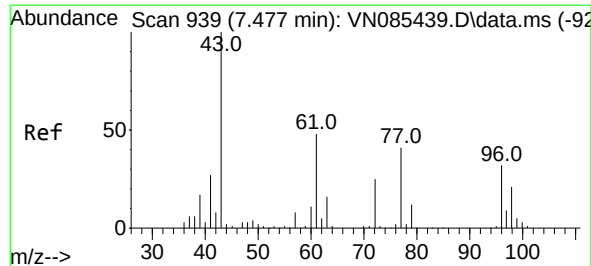
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 253.815 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 388457

Ion Ratio Lower Upper

43 100

72 25.3 20.2 30.4

Instrument :

MSVOA_N

ClientSampleId :

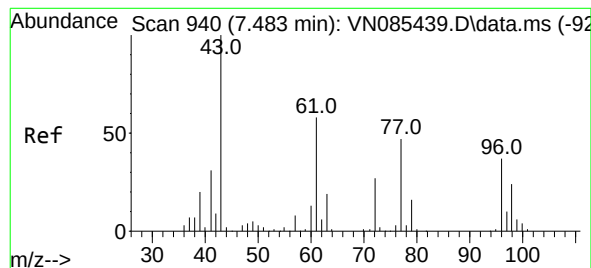
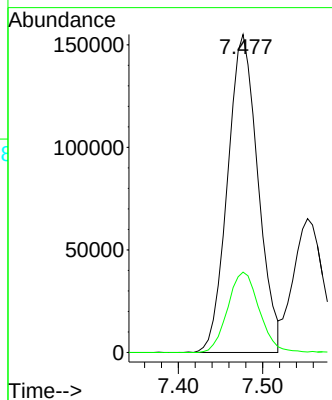
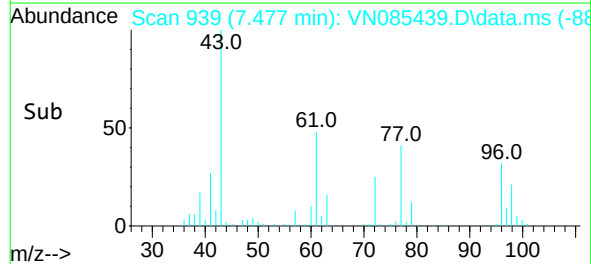
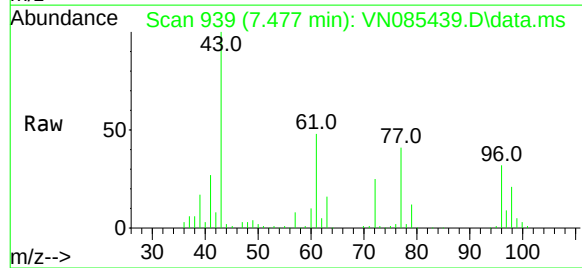
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#26

2,2-Dichloropropane

Concen: 49.106 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN085439.D

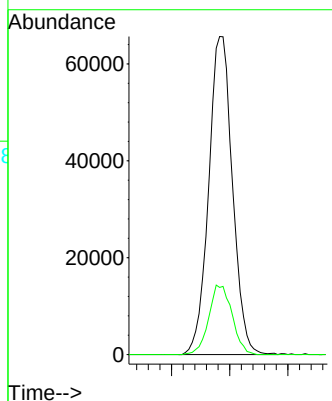
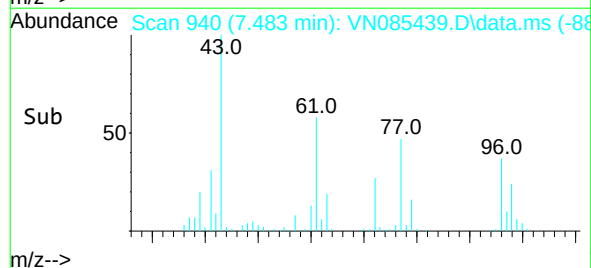
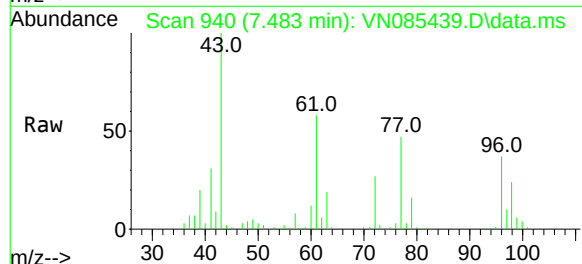
Acq: 14 Jan 2025 15:19

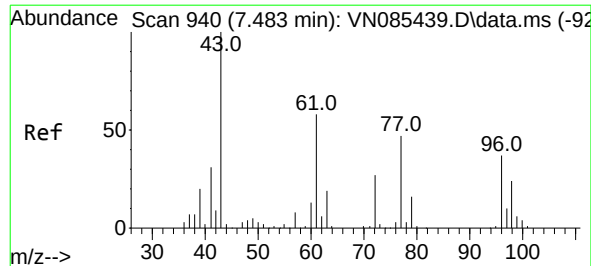
Tgt Ion: 77 Resp: 186591

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 50.571 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 136229

Ion Ratio Lower Upper

96 100

61 155.9 0.0 311.8

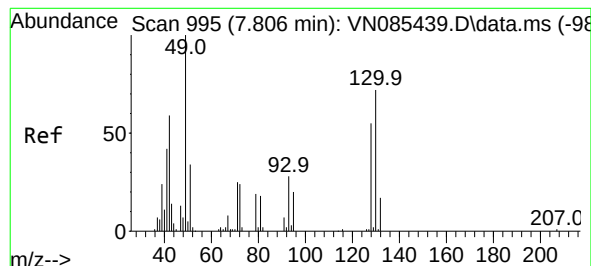
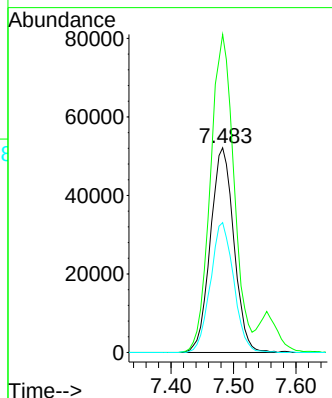
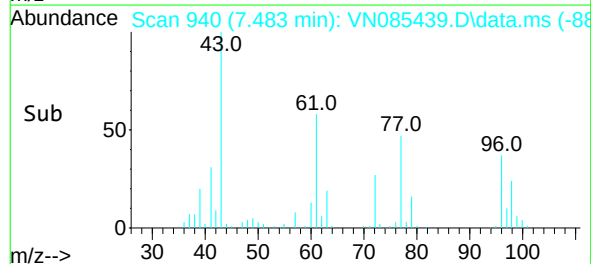
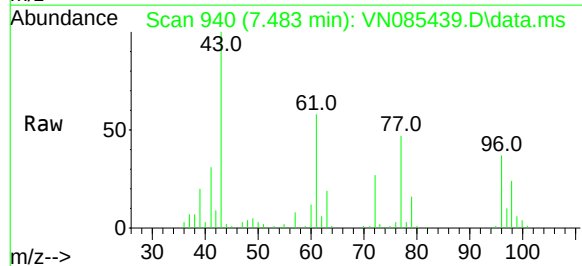
98 63.0 0.0 126.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#28

Bromochloromethane

Concen: 49.461 ug/l

RT: 7.806 min Scan# 995

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

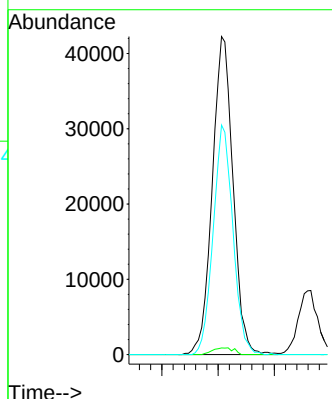
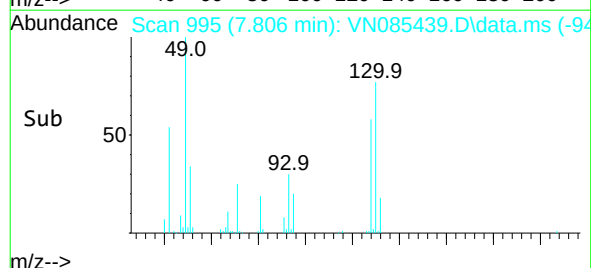
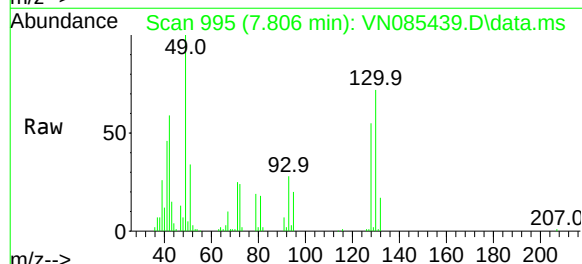
Tgt Ion: 49 Resp: 108148

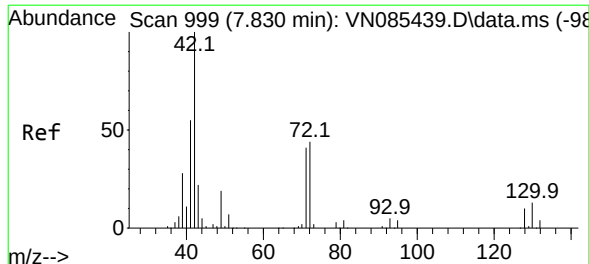
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 68.7 55.0 82.4





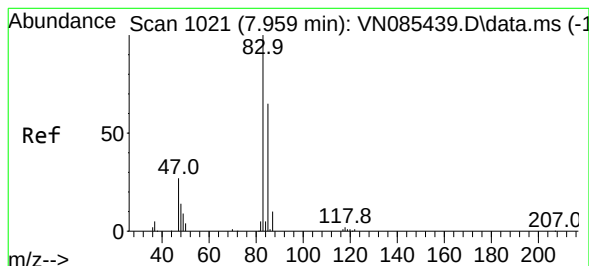
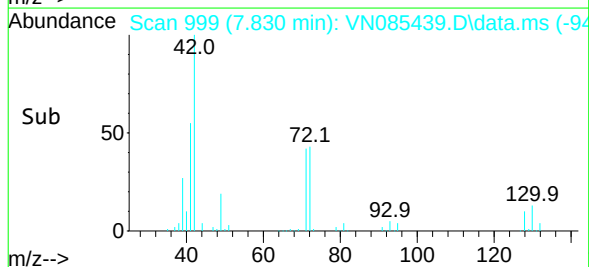
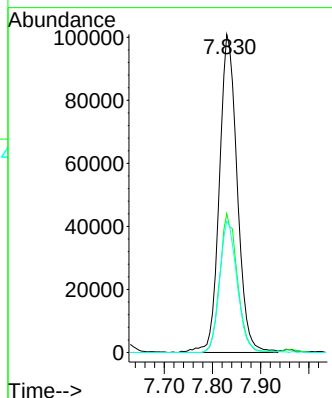
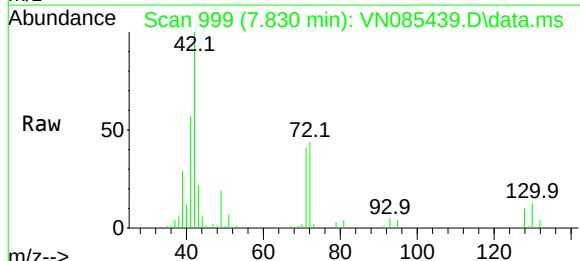
#29
Tetrahydrofuran
Concen: 267.624 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 259683
Ion Ratio Lower Upper
42 100
72 42.7 34.2 51.2
71 40.6 32.5 48.7

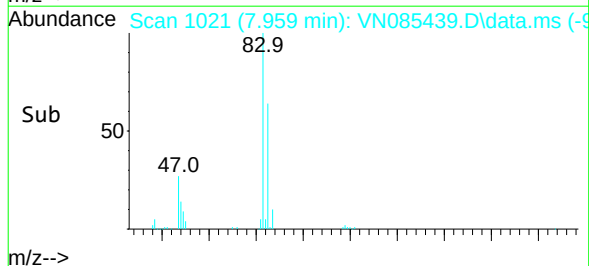
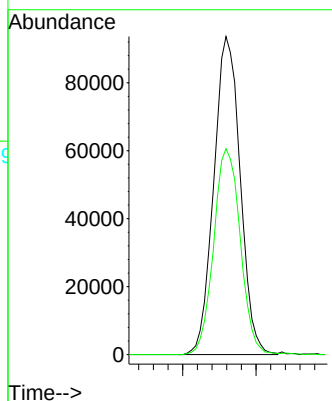
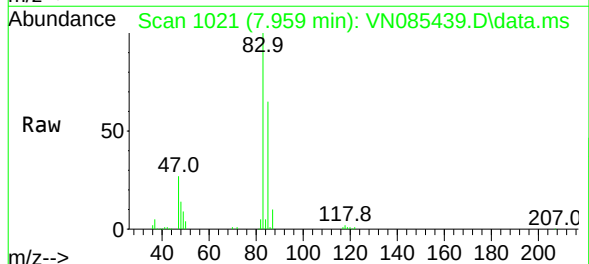
Manual Integrations
APPROVED

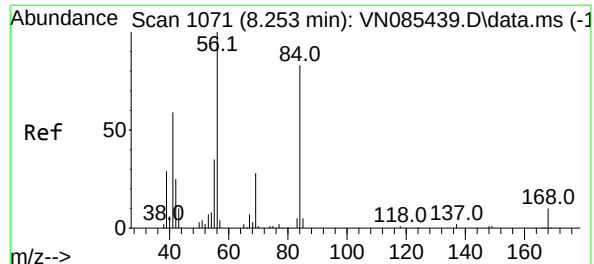
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#30
Chloroform
Concen: 48.229 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 83 Resp: 234271
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.6





#31

Cyclohexane

Concen: 42.984 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion: 56 Resp: 175588

Ion Ratio Lower Upper

56 100

69 27.8 22.2 33.4

84 83.0 66.4 99.6

Instrument :

MSVOA_N

ClientSampleId :

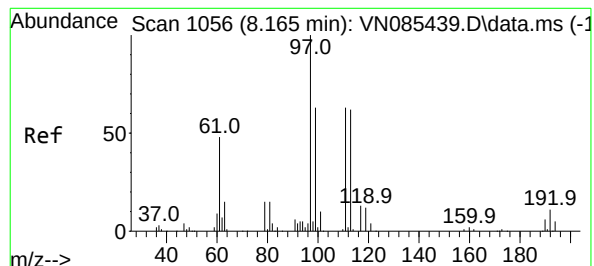
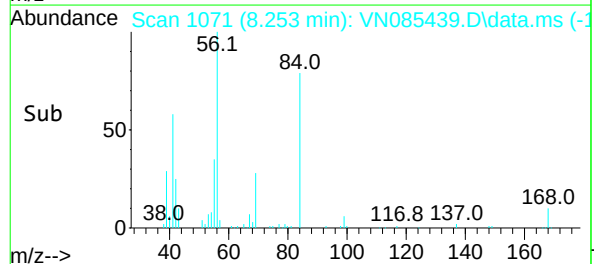
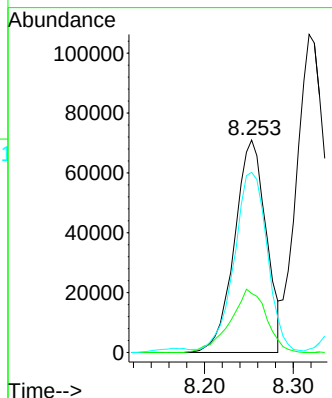
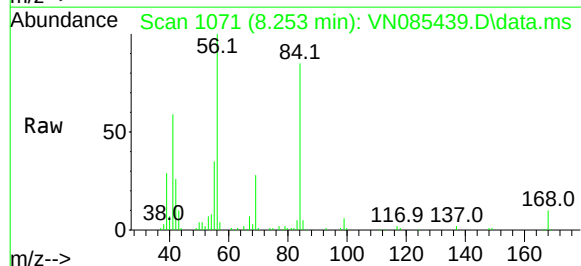
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#32

1,1,1-Trichloroethane

Concen: 47.547 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

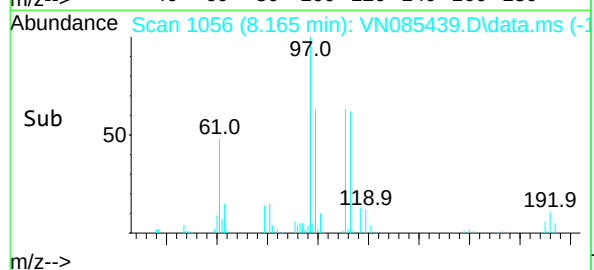
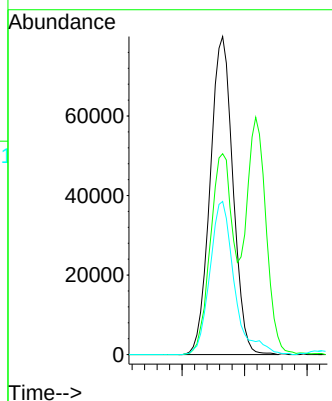
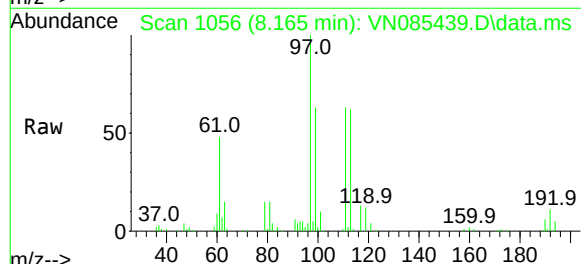
Tgt Ion: 97 Resp: 202590

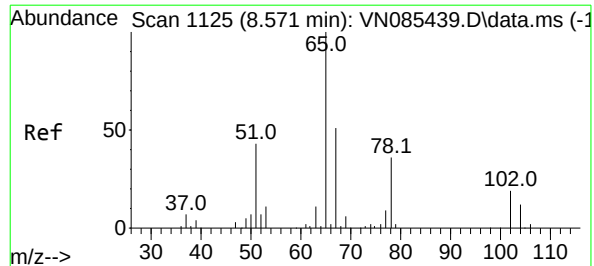
Ion Ratio Lower Upper

97 100

99 62.2 49.8 74.6

61 51.8 41.4 62.2





#33

1,2-Dichloroethane-d4

Concen: 51.500 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 165768

Ion Ratio Lower Upper

65 100

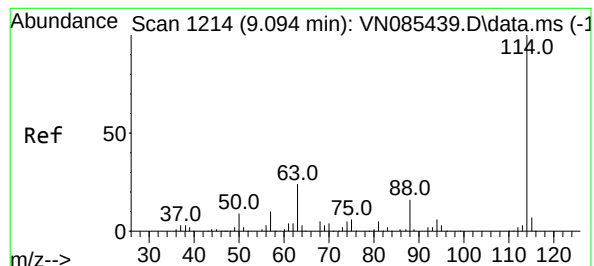
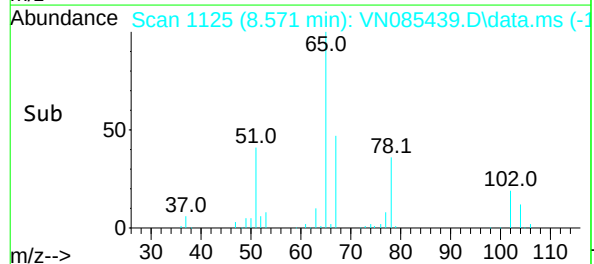
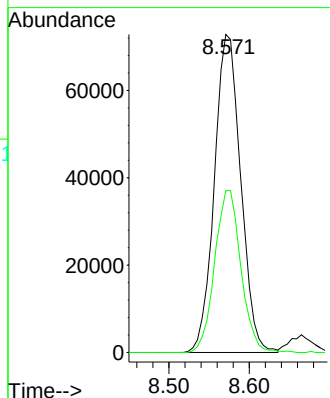
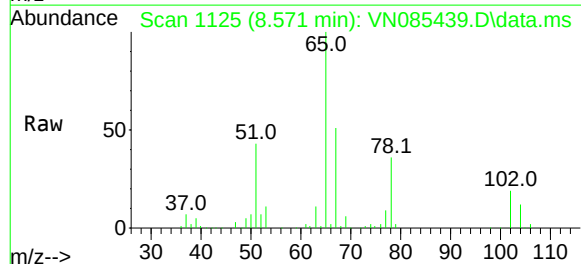
67 50.8 0.0 101.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

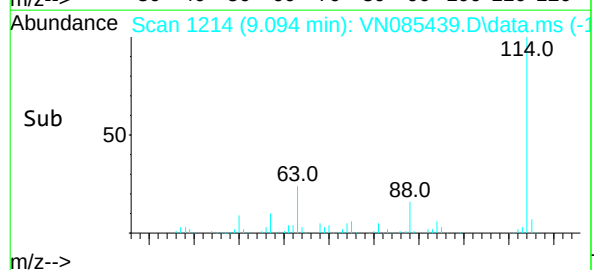
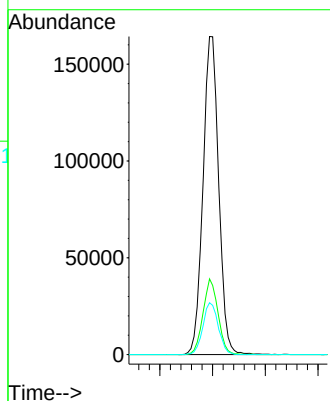
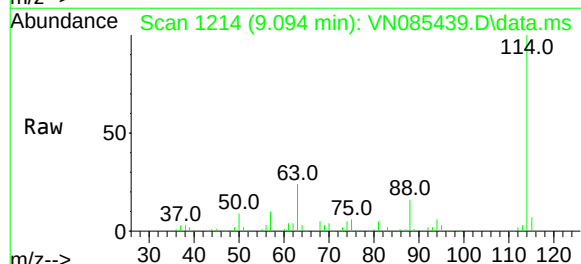
Tgt Ion:114 Resp: 339872

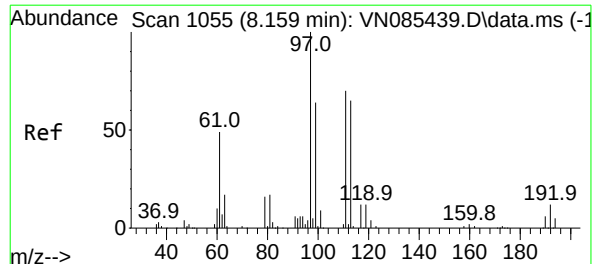
Ion Ratio Lower Upper

114 100

63 23.8 0.0 47.6

88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.552 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 113 Resp: 121554

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

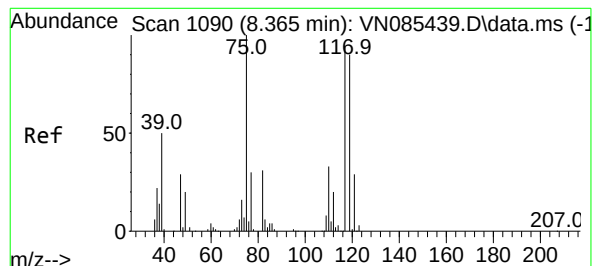
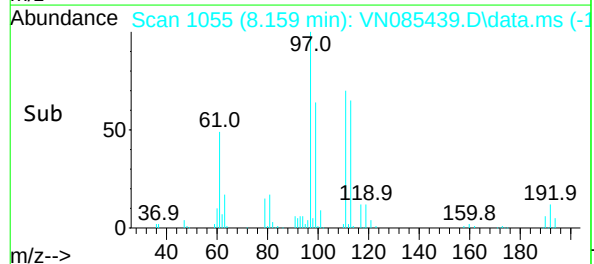
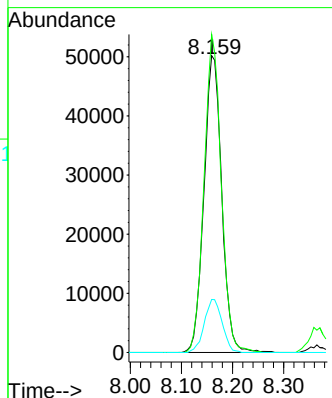
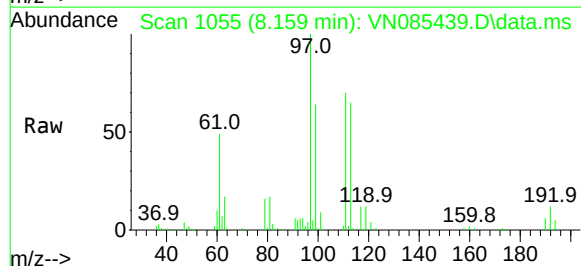
192 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By : John Carlone 01/15/2025

Supervised By : Mahesh Dadoda 01/15/2025



#36

1,1-Dichloropropene

Concen: 47.453 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

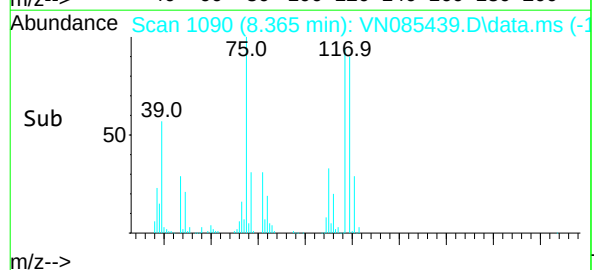
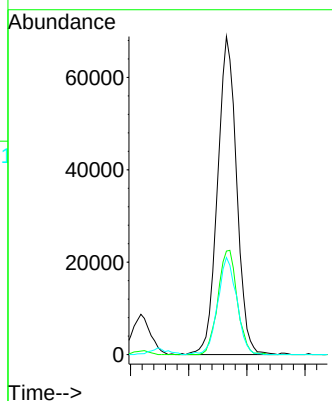
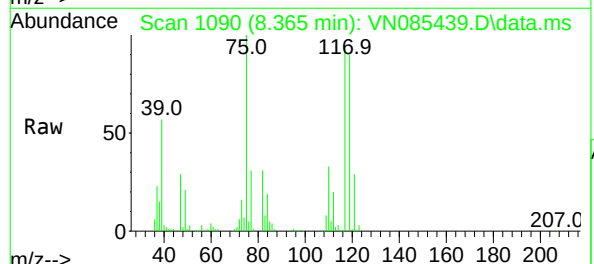
Tgt Ion: 75 Resp: 157031

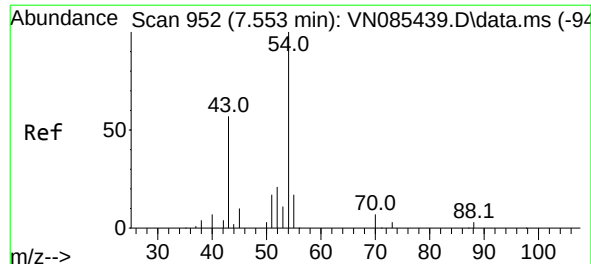
Ion Ratio Lower Upper

75 100

110 33.0 16.5 49.5

77 30.5 24.4 36.6





#37

Ethyl Acetate

Concen: 49.658 ug/l

RT: 7.553 min Scan# 952

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 165866

Ion Ratio Lower Upper

43 100

61 13.6 10.9 16.3

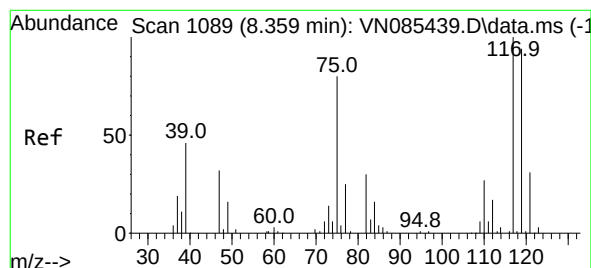
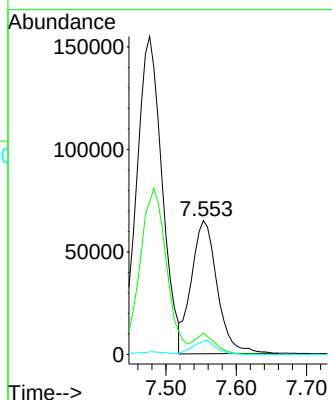
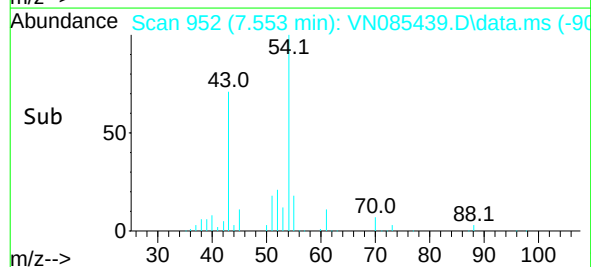
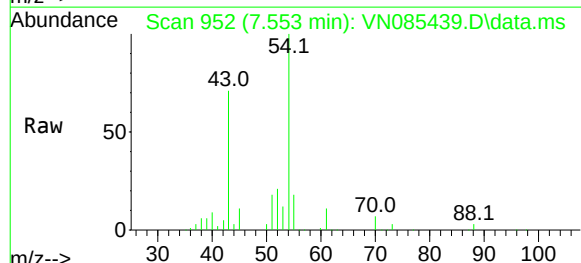
70 9.4 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#38

Carbon Tetrachloride

Concen: 47.564 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

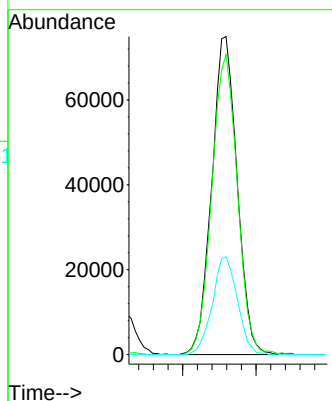
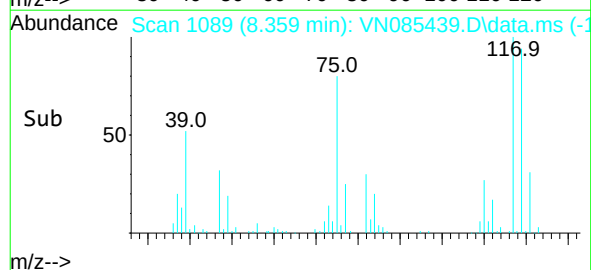
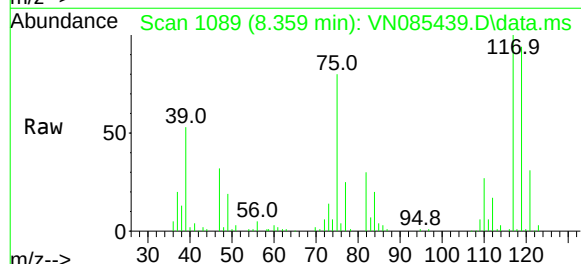
Tgt Ion:117 Resp: 180199

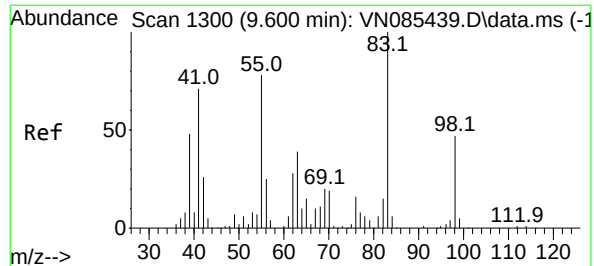
Ion Ratio Lower Upper

117 100

119 94.3 75.4 113.2

121 30.8 24.6 37.0





#39

Methylcyclohexane

Concen: 50.562 ug/l

RT: 9.600 min Scan# 13

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

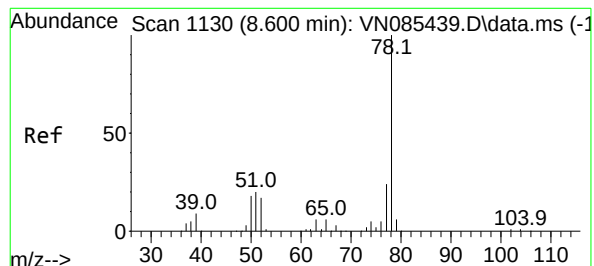
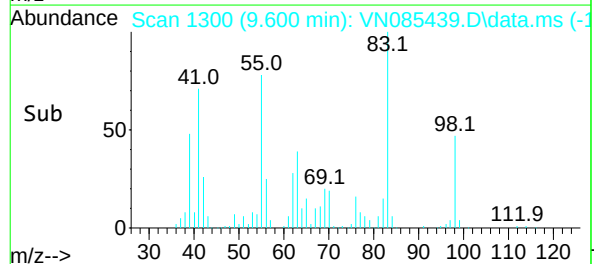
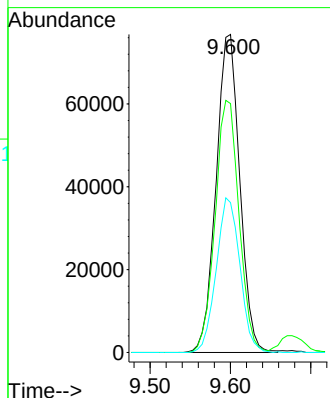
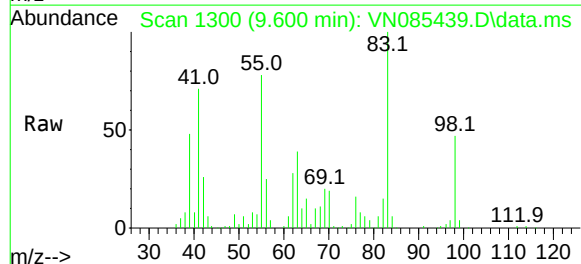
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	157234
Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.6	94.0
98	47.1	37.7	56.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#40

Benzene

Concen: 49.542 ug/l

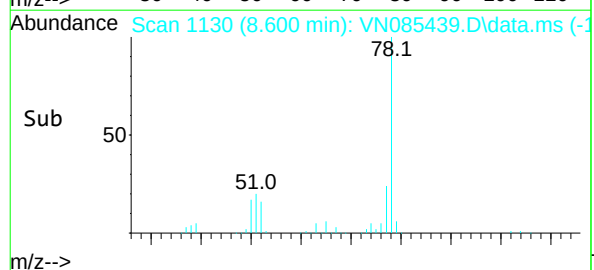
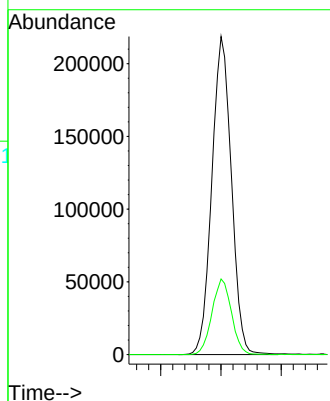
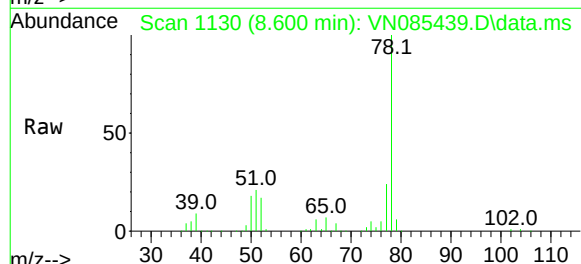
RT: 8.600 min Scan# 1130

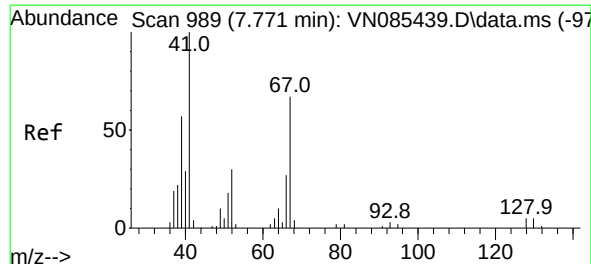
Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion:	78	Resp:	492606
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41

Methacrylonitrile

Concen: 52.775 ug/l

RT: 7.771 min Scan# 989

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

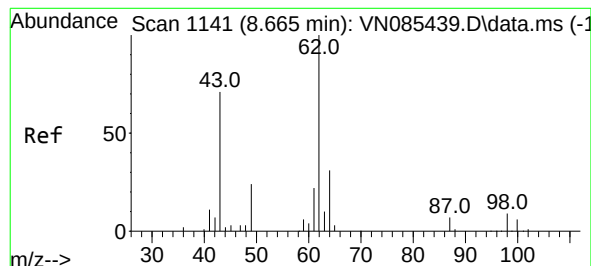
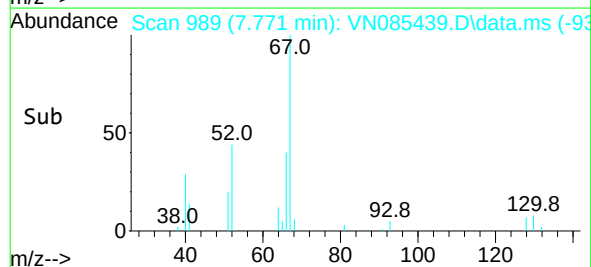
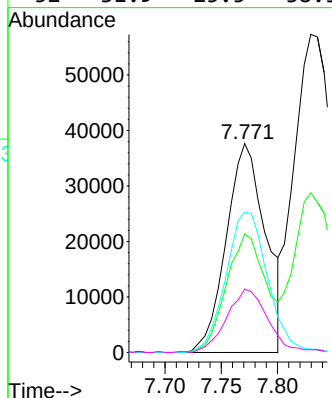
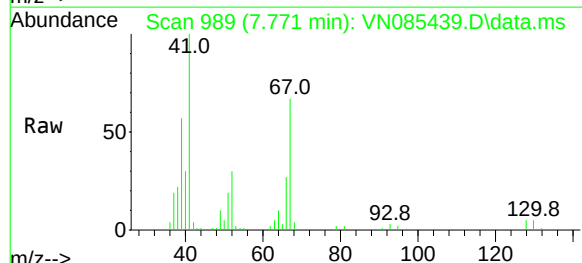
VSTDICCC050

Tgt Ion:	41	Resp:	91711
Ion	Ratio	Lower	Upper
41	100		
39	57.5	46.0	69.0
67	71.8	57.4	86.2
52	31.9	25.5	38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#42

1,2-Dichloroethane

Concen: 49.685 ug/l

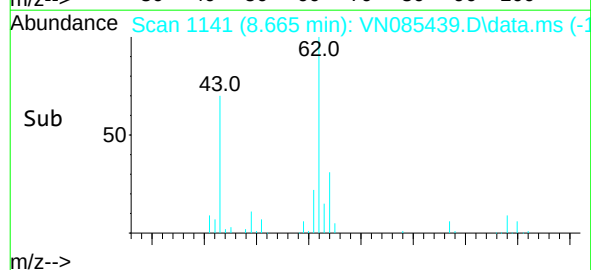
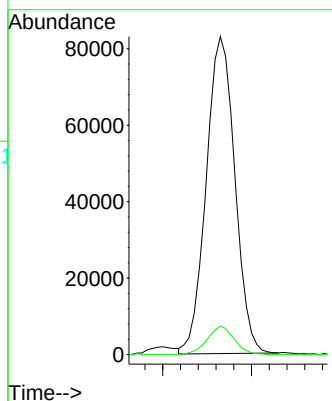
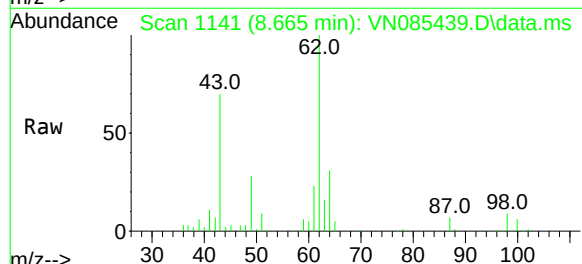
RT: 8.665 min Scan# 1141

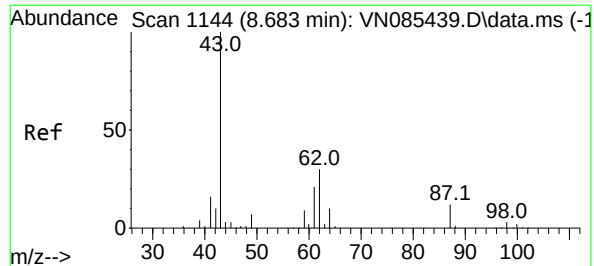
Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion:	62	Resp:	186065
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0





#43

Isopropyl Acetate

Concen: 51.611 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 276228

Ion Ratio Lower Upper

43 100

61 25.9 20.7 31.1

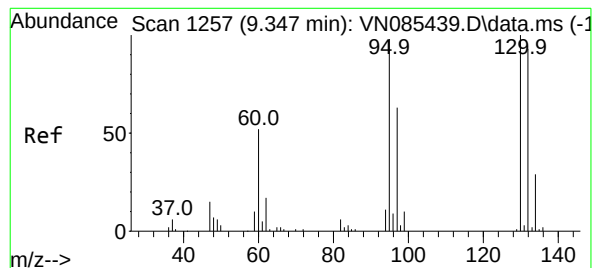
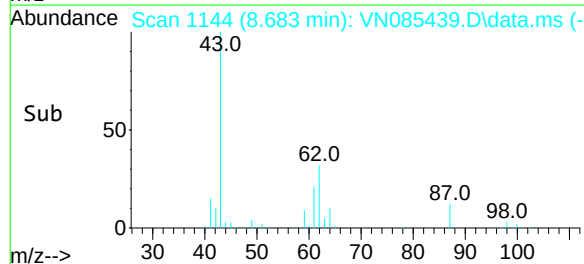
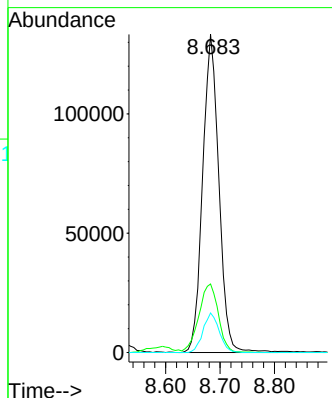
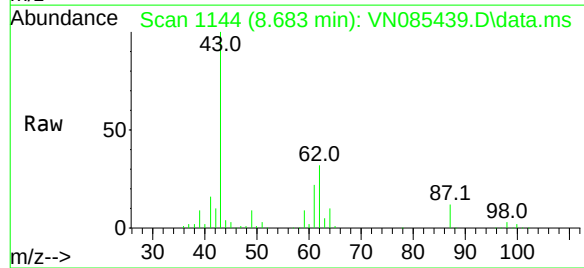
87 12.3 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#44

Trichloroethene

Concen: 47.506 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN085439.D

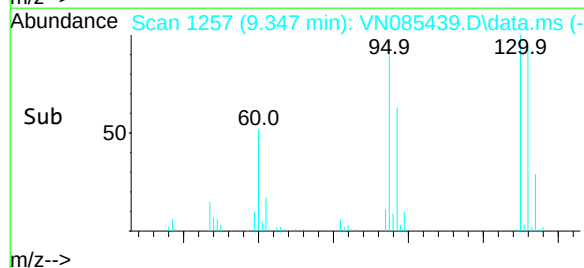
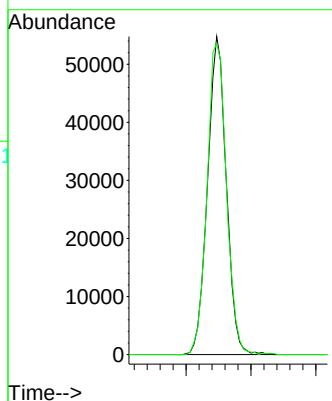
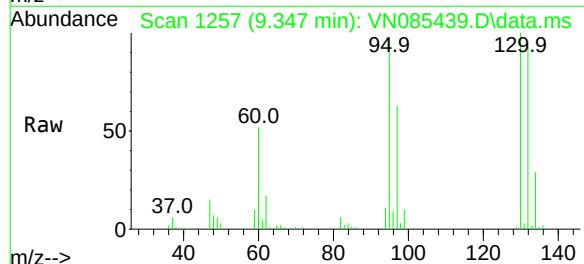
Acq: 14 Jan 2025 15:19

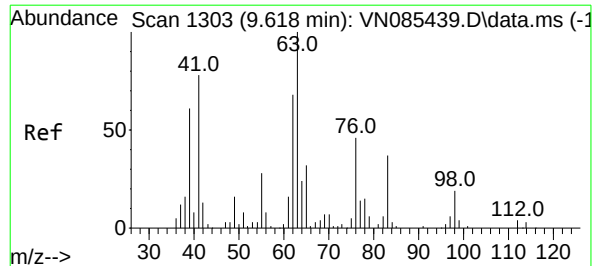
Tgt Ion:130 Resp: 109953

Ion Ratio Lower Upper

130 100

95 97.9 0.0 195.8





#45

1,2-Dichloropropane

Concen: 49.644 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 126084

Ion Ratio Lower Upper

63 100

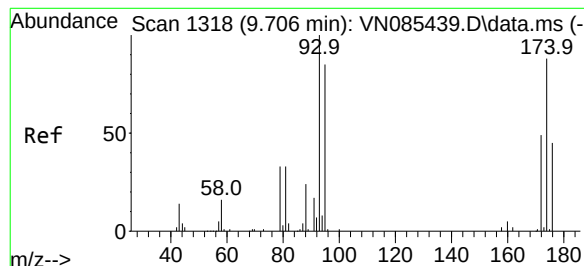
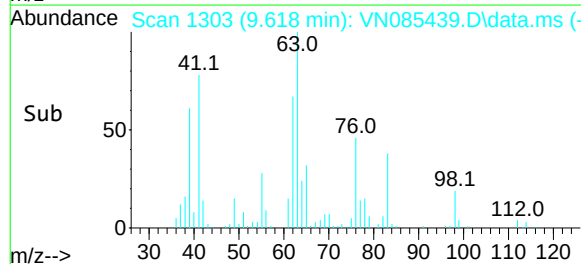
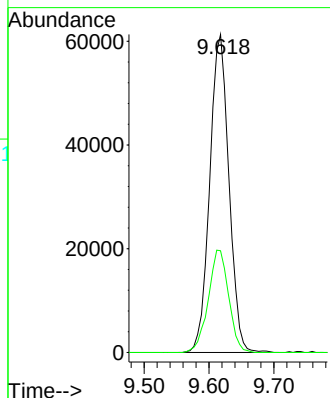
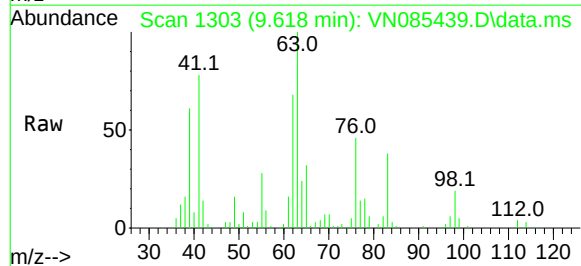
65 32.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#46

Dibromomethane

Concen: 49.476 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

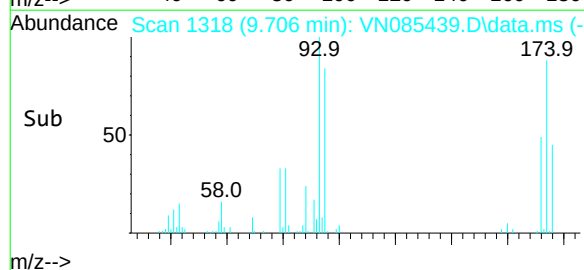
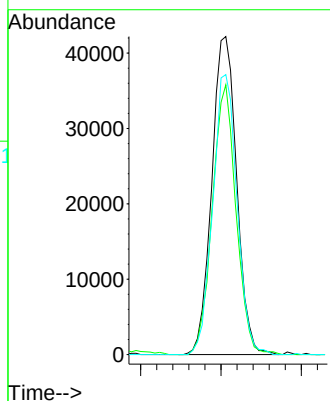
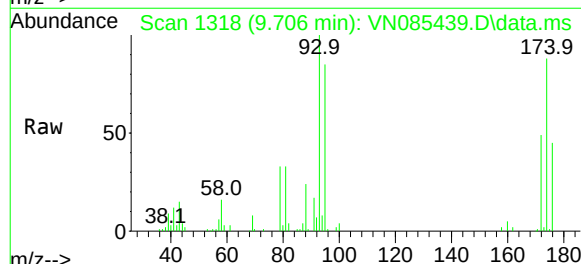
Tgt Ion: 93 Resp: 90670

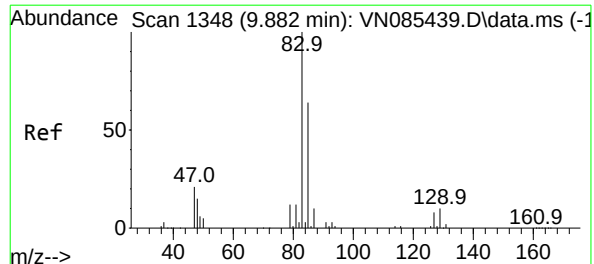
Ion Ratio Lower Upper

93 100

95 80.9 64.7 97.1

174 86.2 69.0 103.4





#47

Bromodichloromethane

Concen: 50.867 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

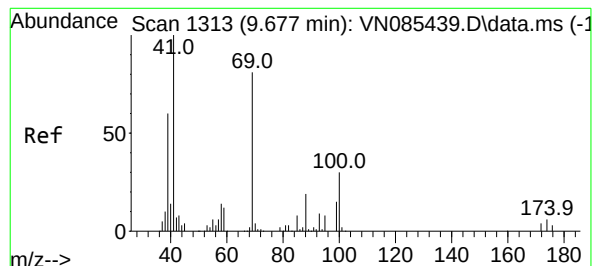
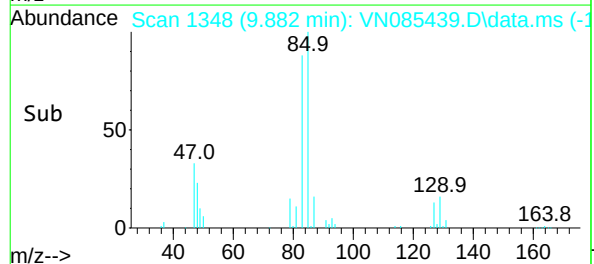
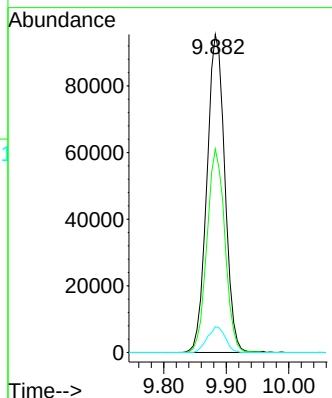
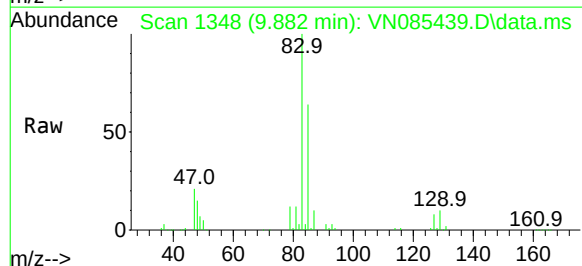
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	189915
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8
127	8.1	6.5	9.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#48

Methyl methacrylate

Concen: 55.385 ug/l

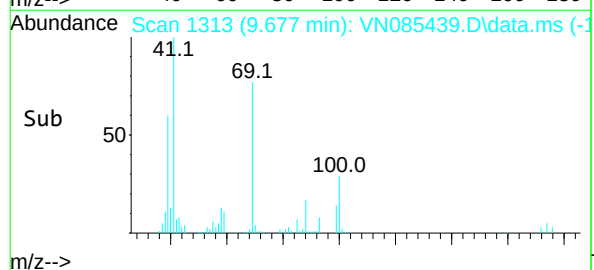
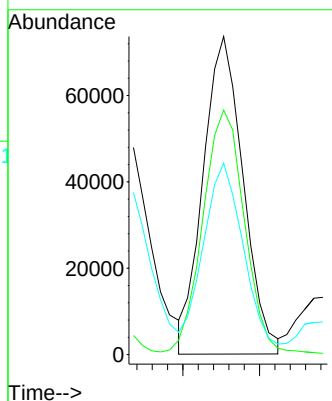
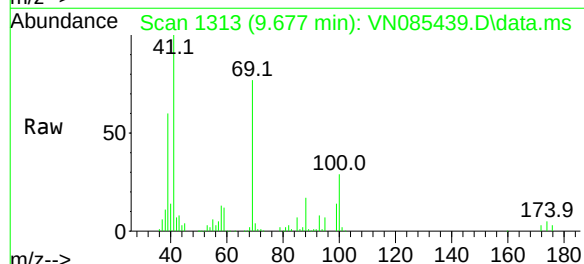
RT: 9.677 min Scan# 1313

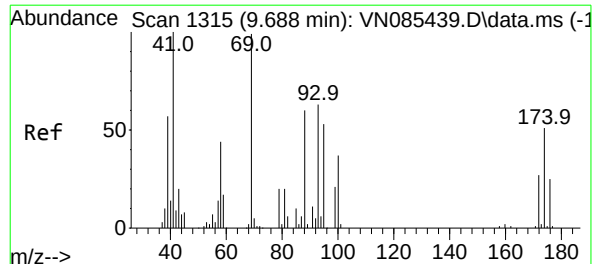
Delta R.T. -0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion:	41	Resp:	133399
Ion	Ratio	Lower	Upper
41	100		
69	80.9	64.7	97.1
39	61.3	49.0	73.6





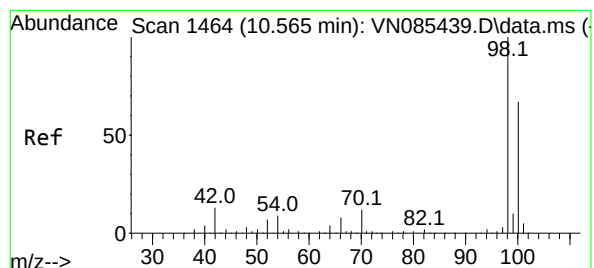
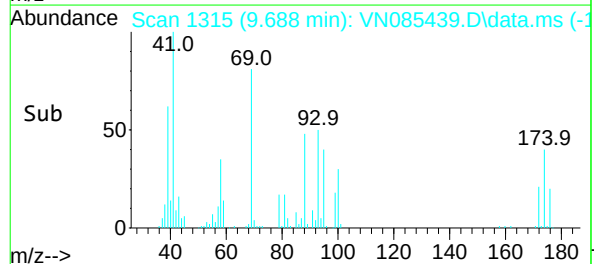
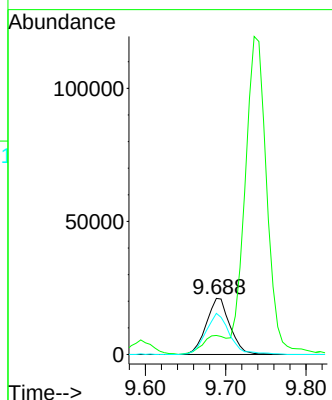
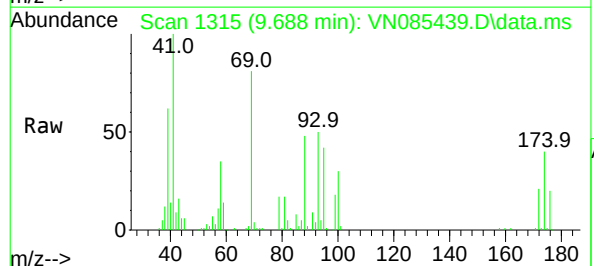
#49
1,4-Dioxane
Concen: 1061.334 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 43048
Ion Ratio Lower Upper
88 100
43 33.2 26.6 39.8
58 74.4 59.5 89.3

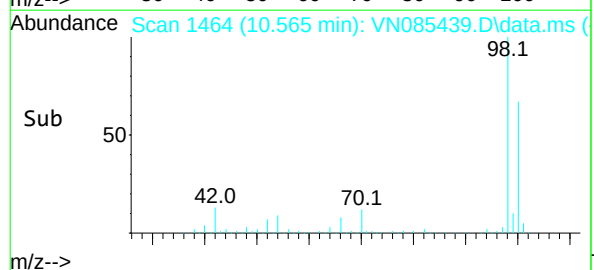
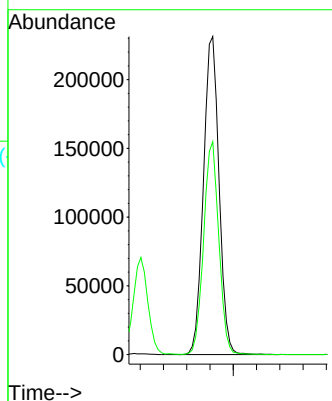
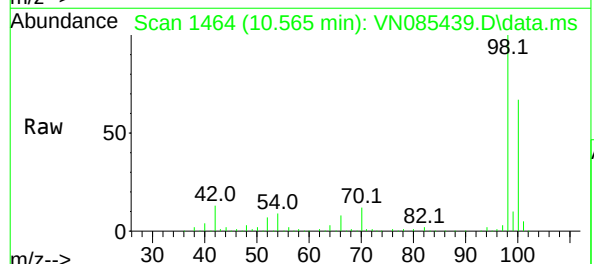
Manual Integrations
APPROVED

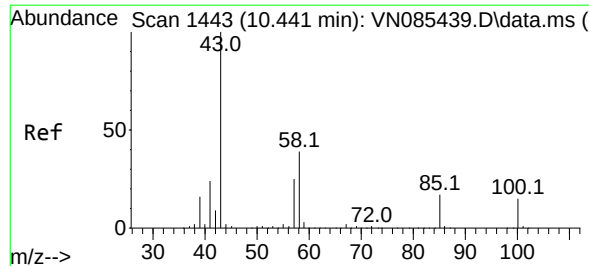
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#50
Toluene-d8
Concen: 51.411 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 98 Resp: 430698
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4





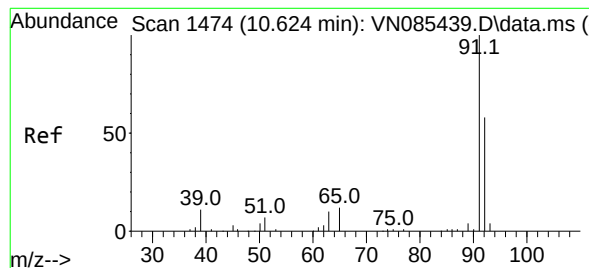
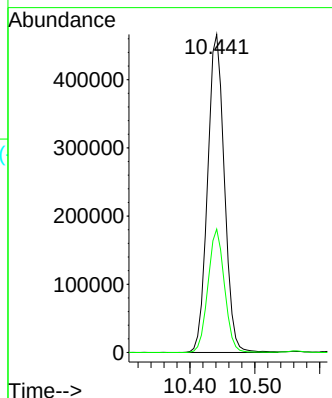
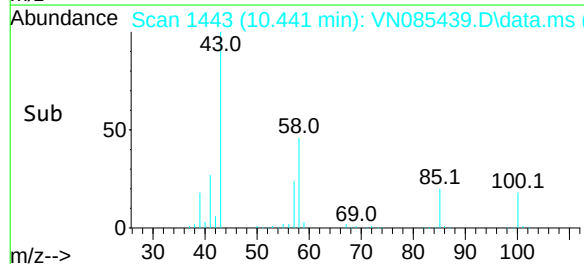
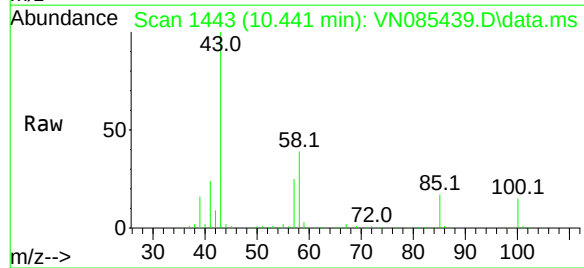
#51
4-Methyl-2-Pentanone
Concen: 269.403 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 836707
Ion Ratio Lower Upper
43 100
58 38.1 30.5 45.7

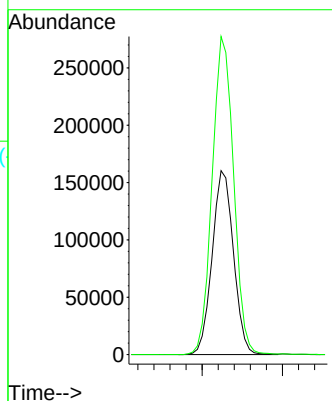
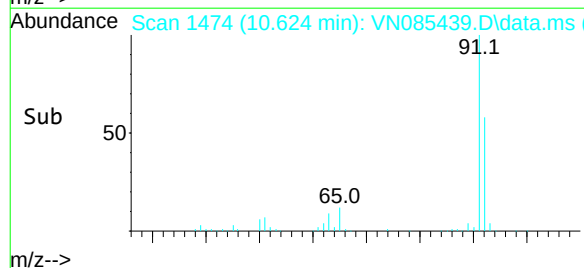
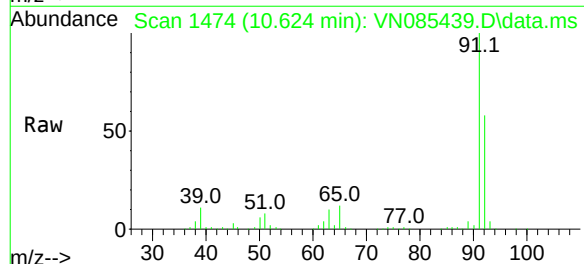
Manual Integrations
APPROVED

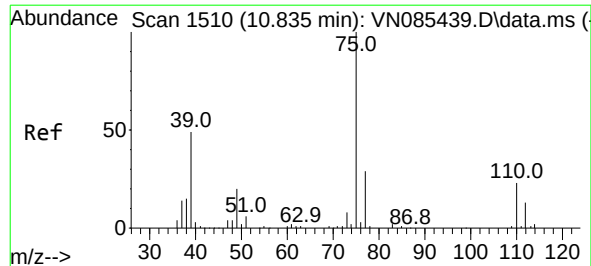
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#52
Toluene
Concen: 51.341 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 92 Resp: 295792
Ion Ratio Lower Upper
92 100
91 174.0 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 53.125 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion: 75 Resp: 187439

Ion Ratio Lower Upper

75 100

77 29.4 23.5 35.3

Instrument :

MSVOA_N

ClientSampleId :

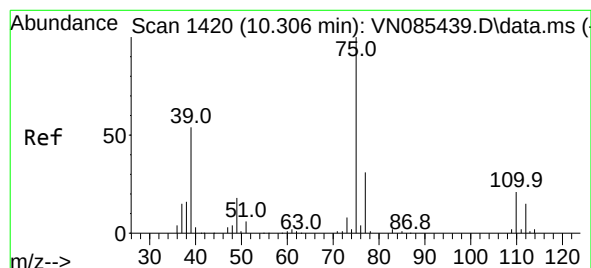
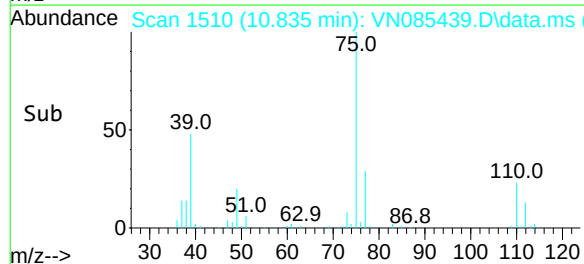
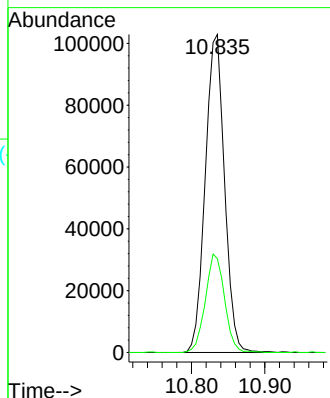
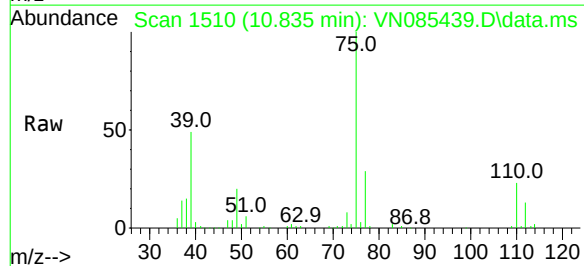
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#54

cis-1,3-Dichloropropene

Concen: 53.006 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. -0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

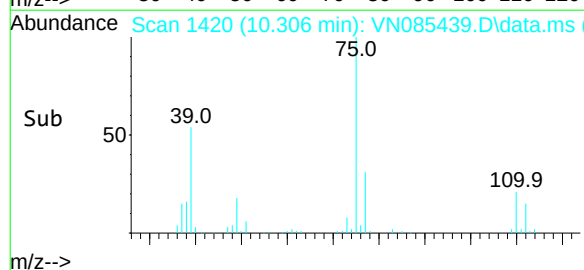
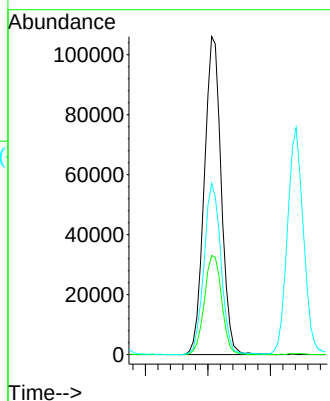
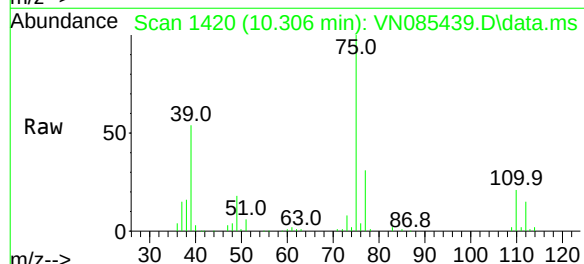
Tgt Ion: 75 Resp: 199771

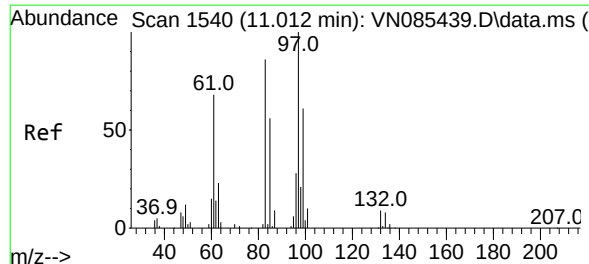
Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

39 53.9 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 50.641 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 115462

Ion Ratio Lower Upper

97 100

83 86.3 69.0 103.6

85 55.7 44.6 66.8

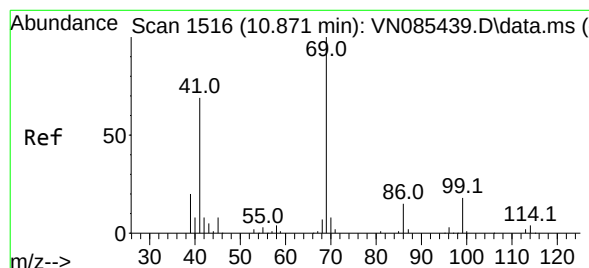
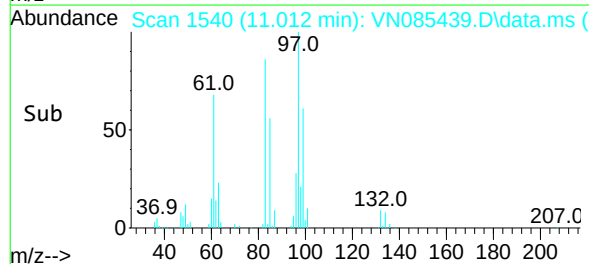
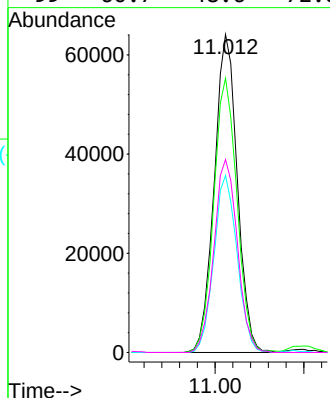
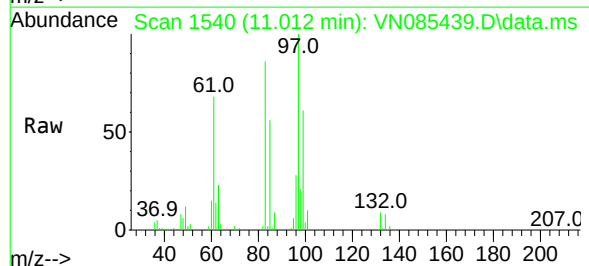
99 60.7 48.6 72.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#56

Ethyl methacrylate

Concen: 48.182 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

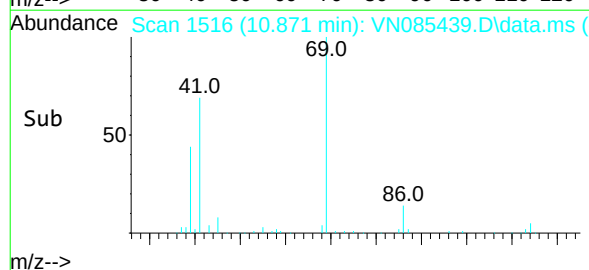
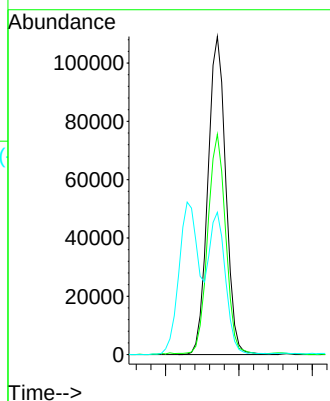
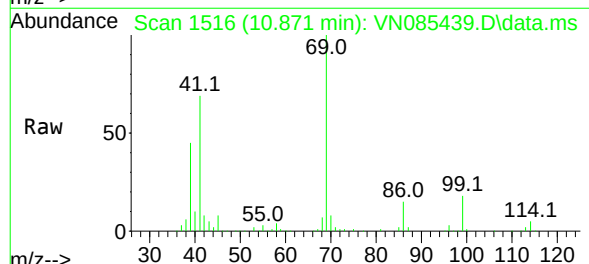
Tgt Ion: 69 Resp: 184775

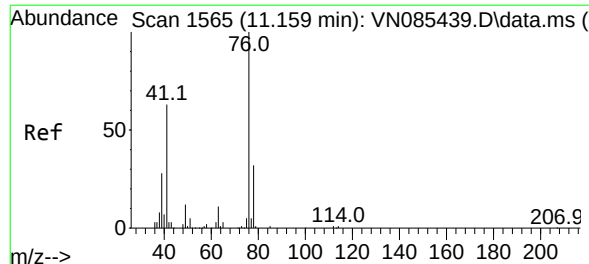
Ion Ratio Lower Upper

69 100

41 68.3 54.6 82.0

39 40.5 32.4 48.6





#57

1,3-Dichloropropane

Concen: 51.606 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 204596

Ion Ratio Lower Upper

76 100

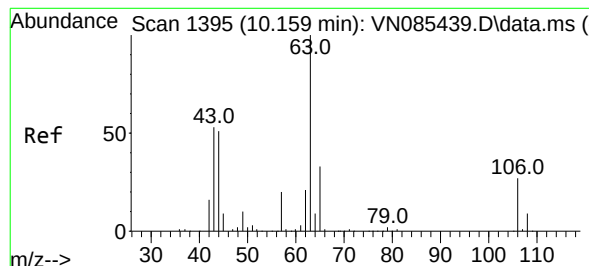
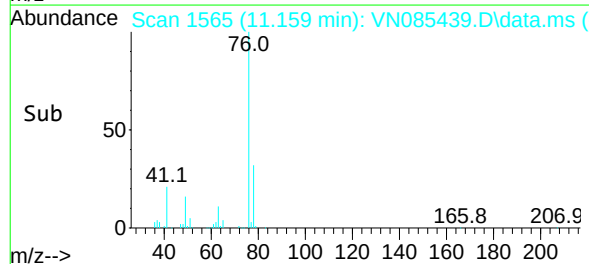
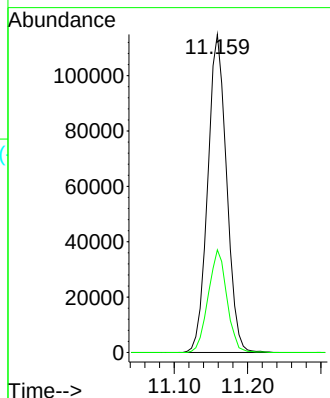
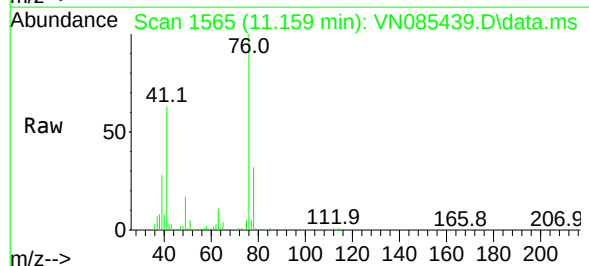
78 32.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#58

2-Chloroethyl Vinyl ether

Concen: 283.088 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085439.D

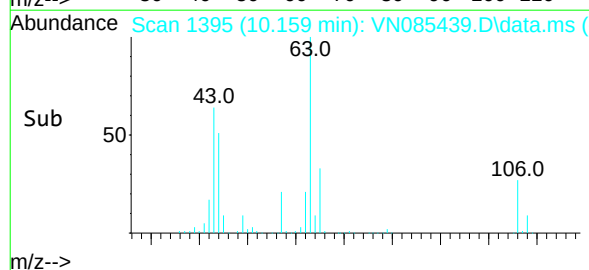
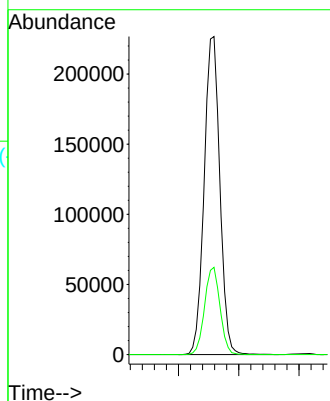
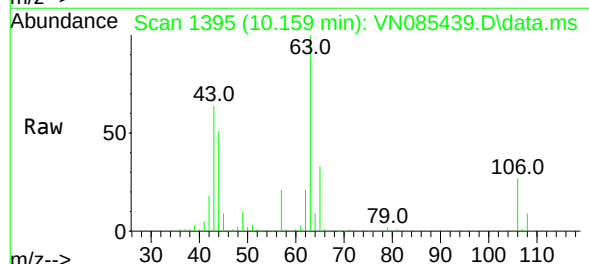
Acq: 14 Jan 2025 15:19

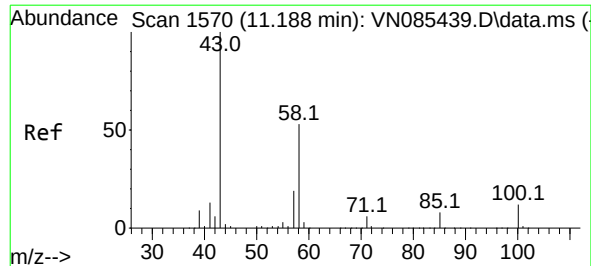
Tgt Ion: 63 Resp: 409594

Ion Ratio Lower Upper

63 100

106 27.0 21.6 32.4





#59

2-Hexanone

Concen: 277.643 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 606740

Ion Ratio Lower Upper

43 100

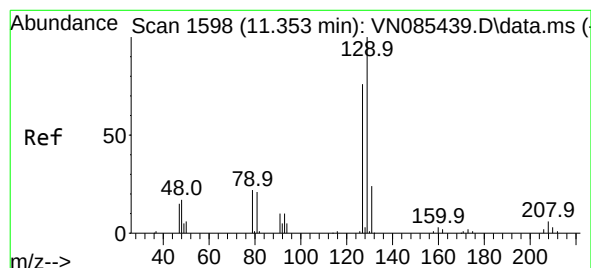
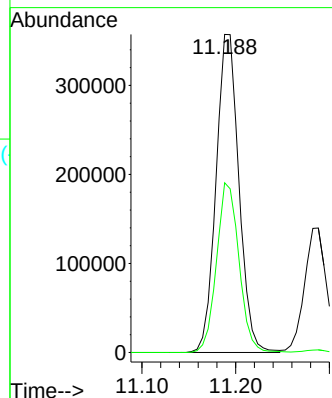
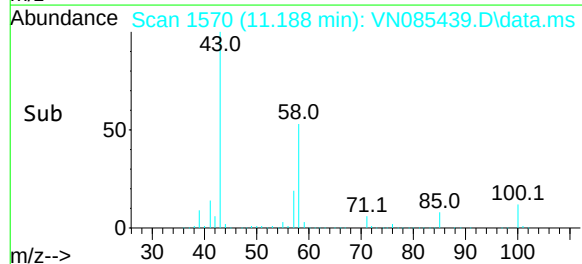
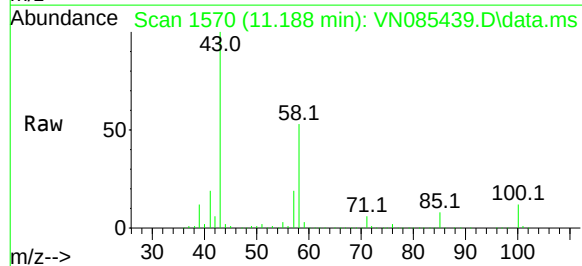
58 52.4 26.2 78.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#60

Dibromochloromethane

Concen: 51.116 ug/l

RT: 11.353 min Scan# 1598

Delta R.T. 0.000 min

Lab File: VN085439.D

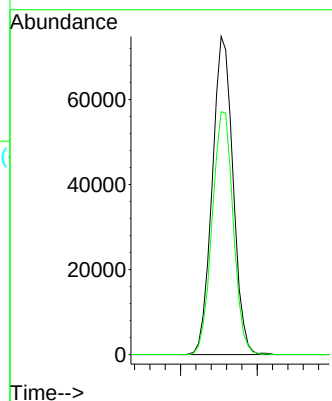
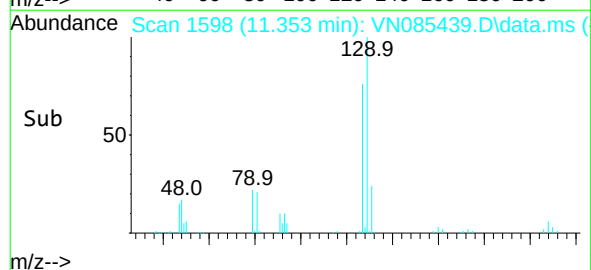
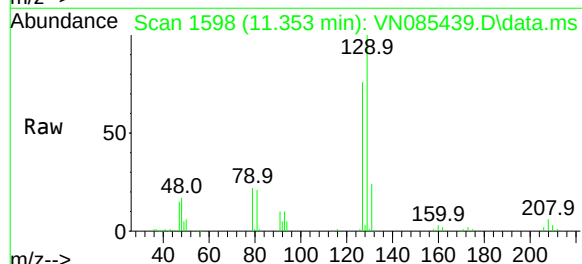
Acq: 14 Jan 2025 15:19

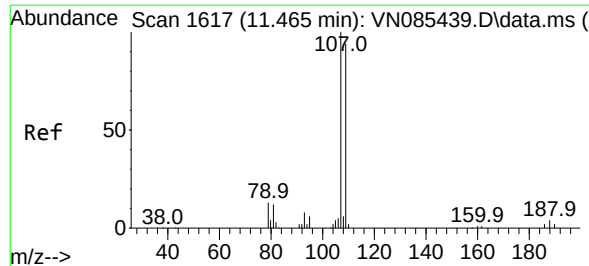
Tgt Ion:129 Resp: 140704

Ion Ratio Lower Upper

129 100

127 77.2 38.6 115.8





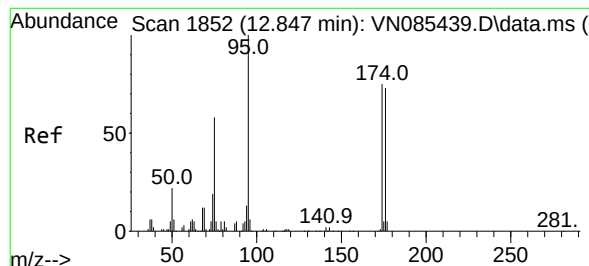
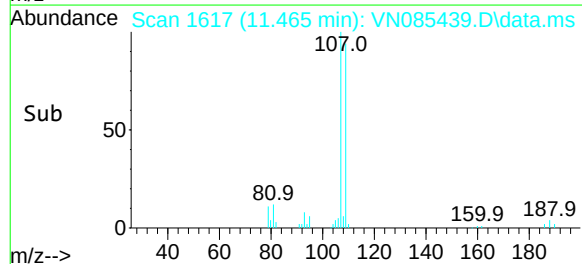
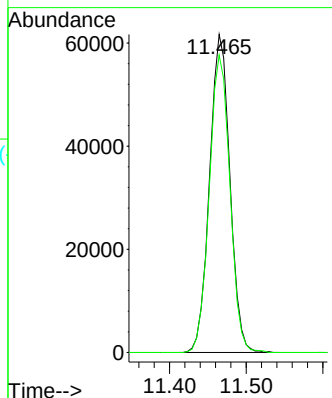
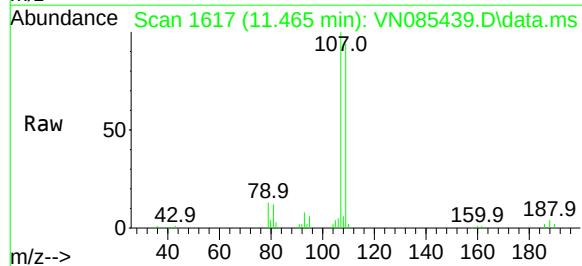
#61
1,2-Dibromoethane
Concen: 50.028 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 107 Resp: 113541
Ion Ratio Lower Upper
107 100
109 94.9 75.9 113.9

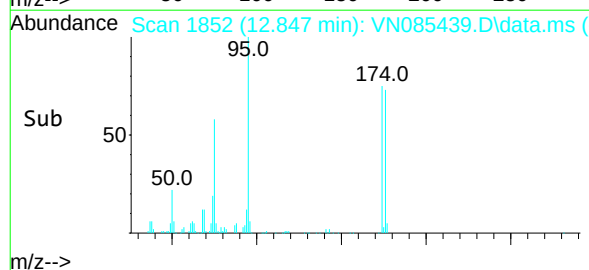
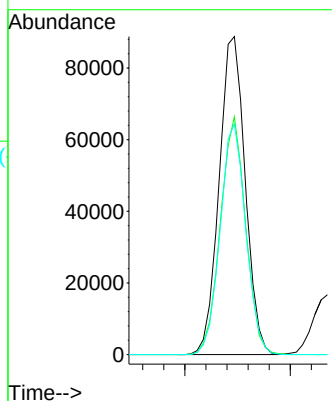
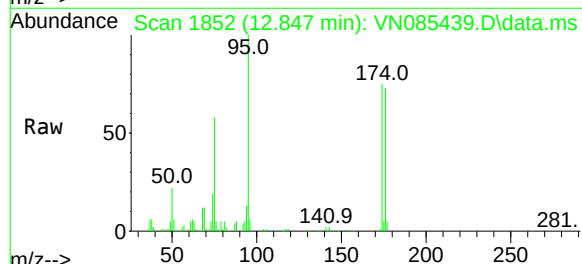
Manual Integrations
APPROVED

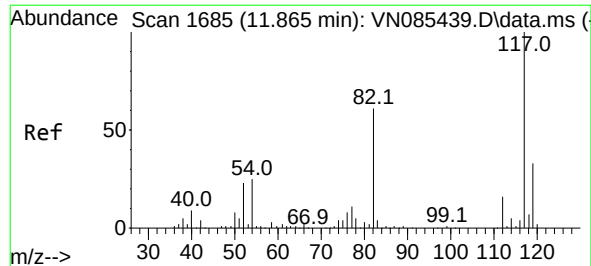
Reviewed By : John Carlone 01/15/2025
Supervised By : Mahesh Dadoda 01/15/2025



#62
4-Bromofluorobenzene
Concen: 53.239 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 95 Resp: 152568
Ion Ratio Lower Upper
95 100
174 72.5 0.0 145.0
176 71.2 0.0 142.4





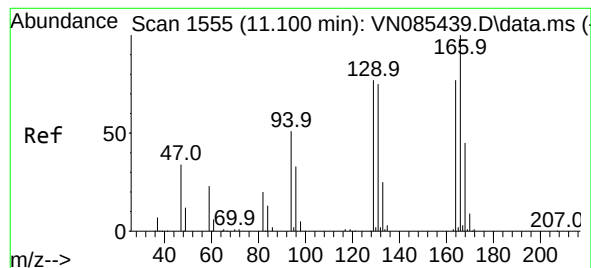
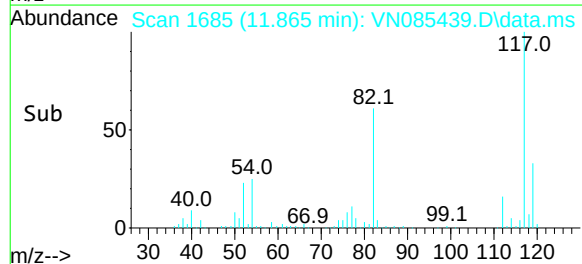
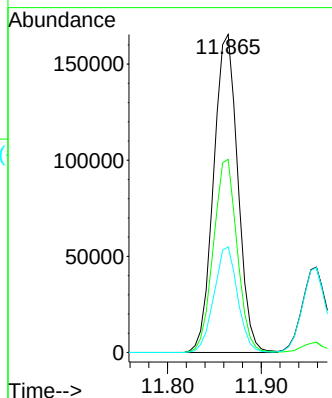
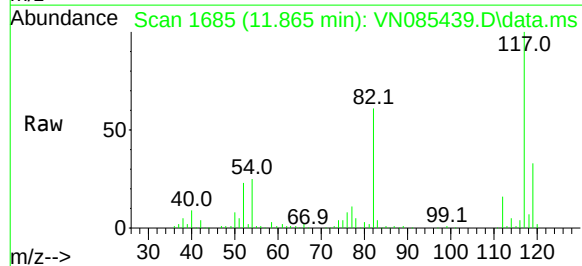
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 297366
Ion Ratio Lower Upper
117 100
82 60.7 48.6 72.8
119 33.2 26.6 39.8

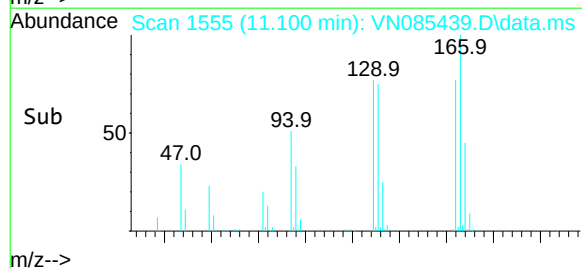
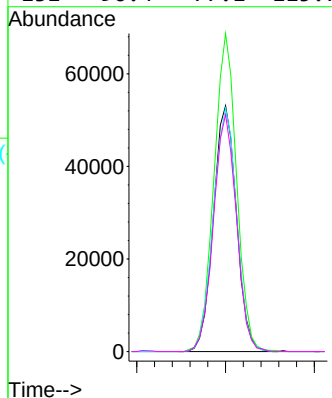
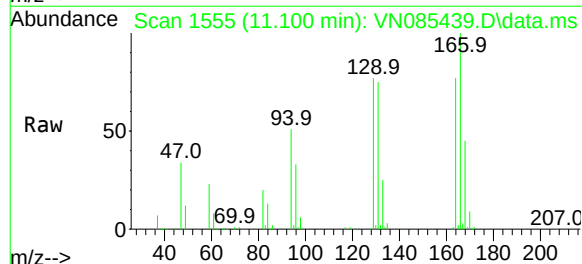
Manual Integrations
APPROVED

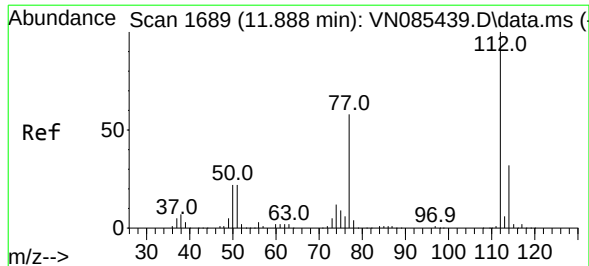
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#64
Tetrachloroethene
Concen: 47.295 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:164 Resp: 95879
Ion Ratio Lower Upper
164 100
166 129.3 103.4 155.2
129 99.0 79.2 118.8
131 96.4 77.1 115.7





#65

Chlorobenzene

Concen: 49.121 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 319992

Ion Ratio Lower Upper

112 100

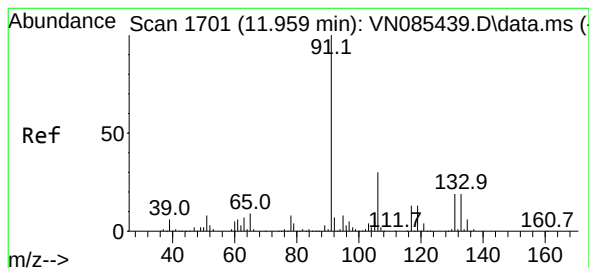
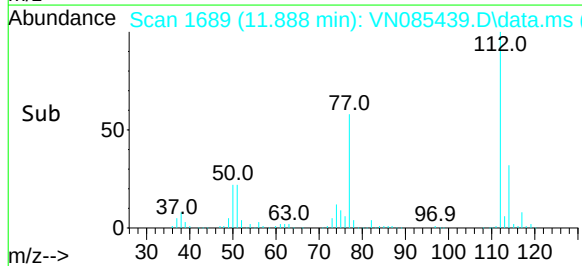
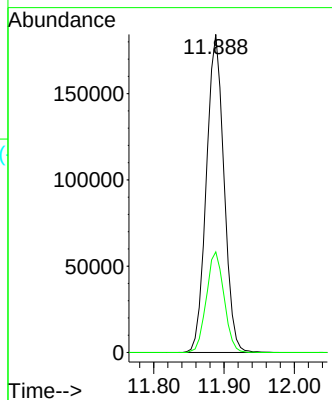
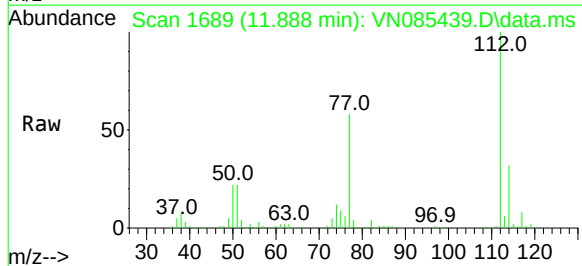
114 31.6 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 48.722 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

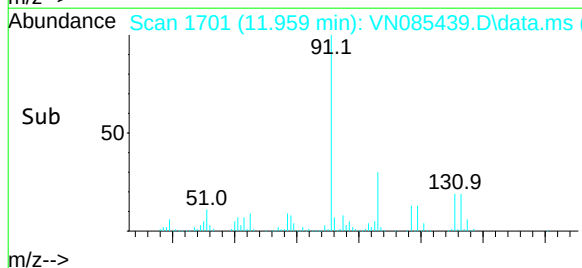
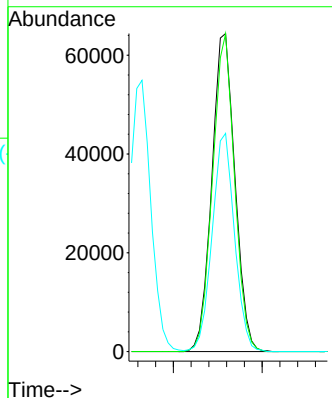
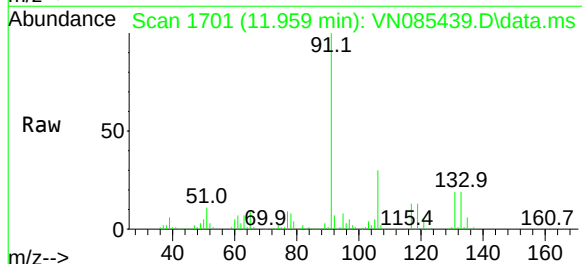
Tgt Ion:131 Resp: 116488

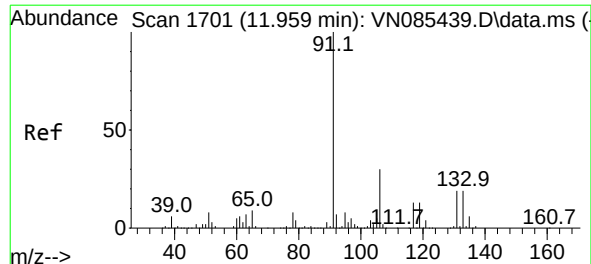
Ion Ratio Lower Upper

131 100

133 94.9 47.4 142.3

119 66.3 33.1 99.5





#67

Ethyl Benzene

Concen: 52.339 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 555322

Ion Ratio Lower Upper

91 100

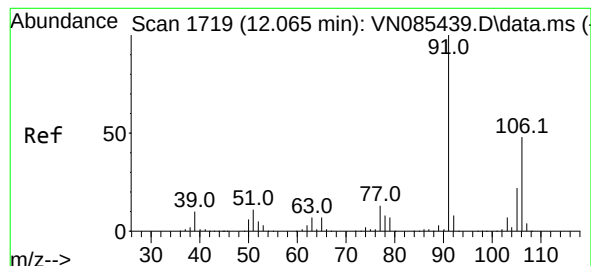
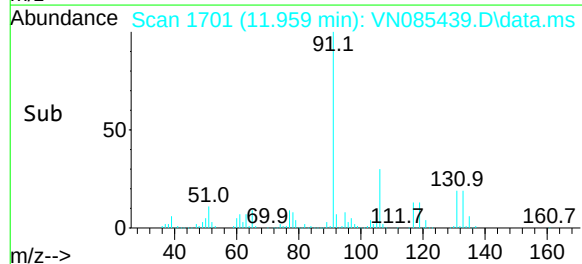
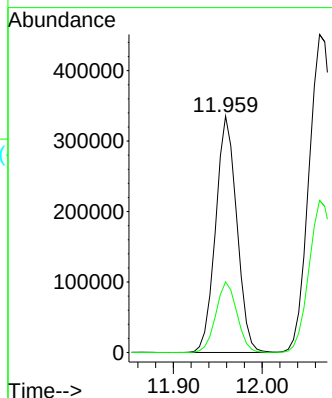
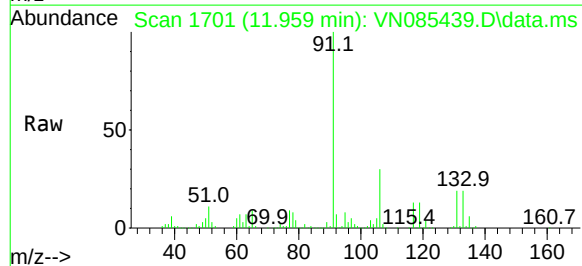
106 29.8 23.8 35.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#68

m/p-Xylenes

Concen: 107.286 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. 0.000 min

Lab File: VN085439.D

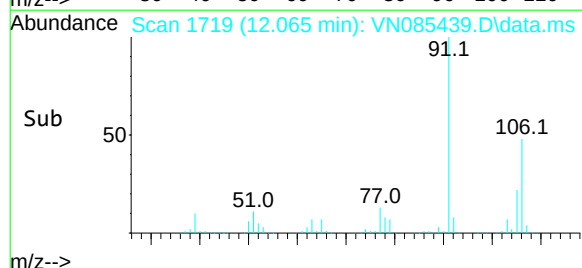
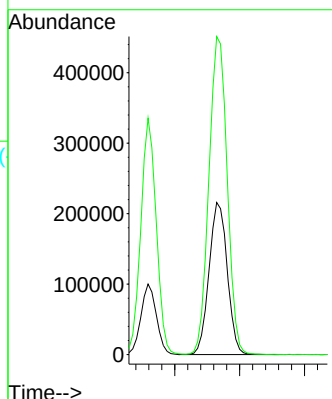
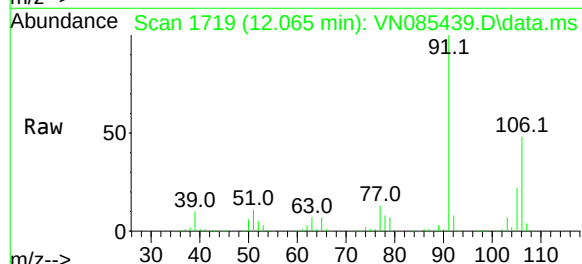
Acq: 14 Jan 2025 15:19

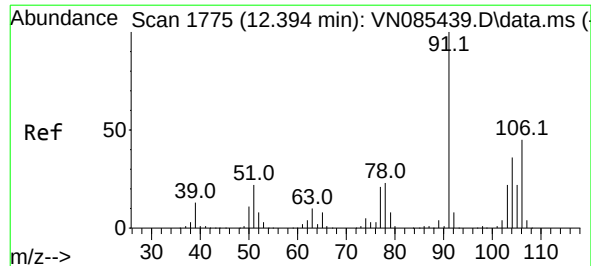
Tgt Ion:106 Resp: 420702

Ion Ratio Lower Upper

106 100

91 209.6 167.7 251.5





#69

o-Xylene

Concen: 54.062 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 202597

Ion Ratio Lower Upper

106 100

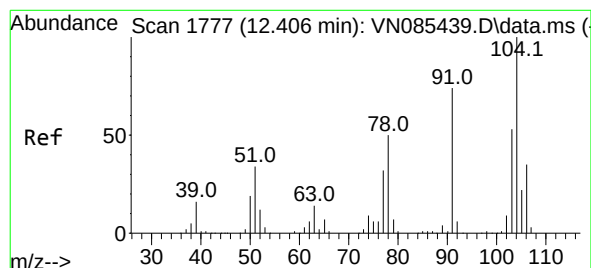
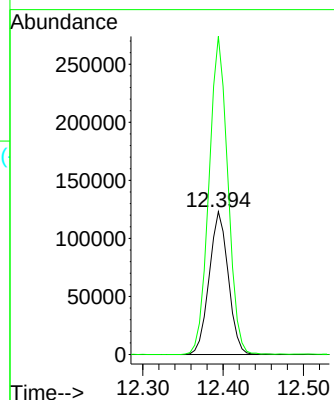
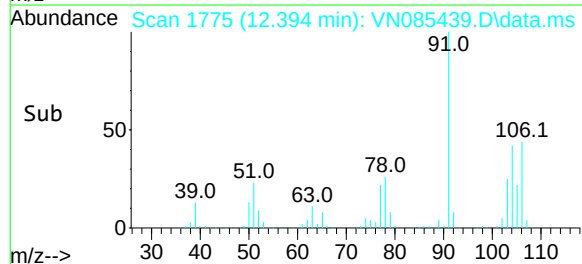
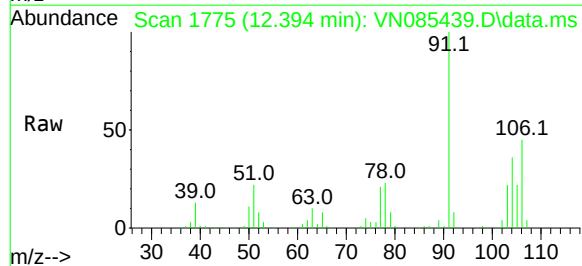
91 220.8 110.4 331.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#70

Styrene

Concen: 56.227 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

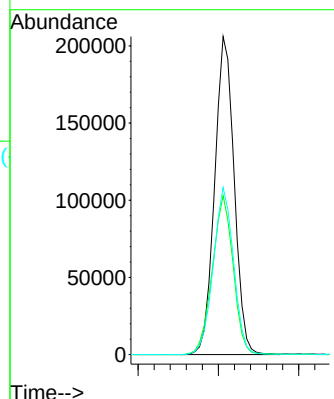
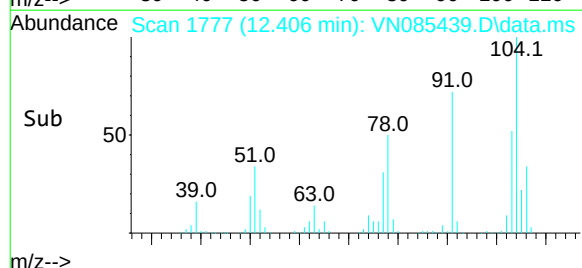
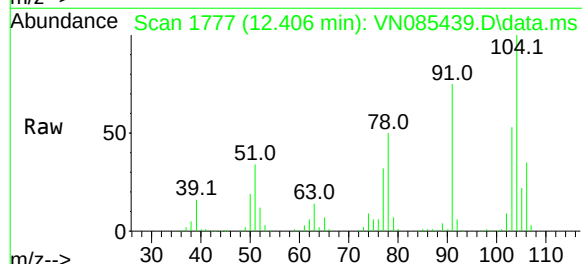
Tgt Ion:104 Resp: 348720

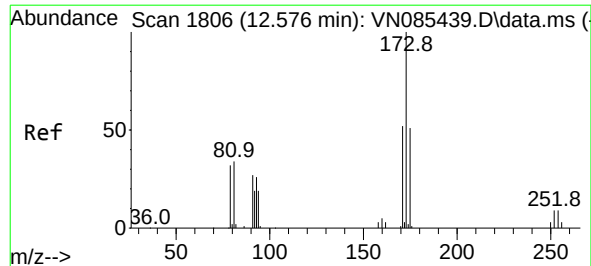
Ion Ratio Lower Upper

104 100

78 53.1 42.5 63.7

103 54.8 43.8 65.8





#71

Bromoform

Concen: 53.993 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:173 Resp: 92366

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.2

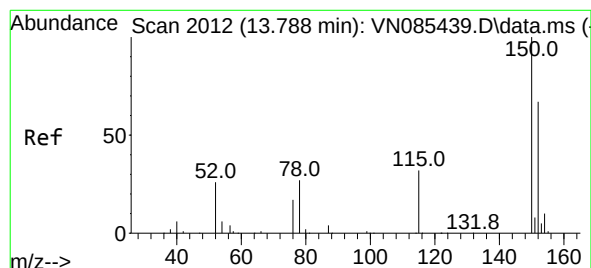
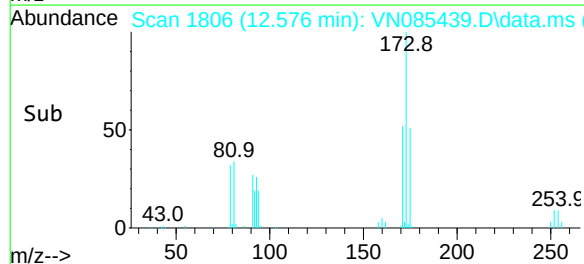
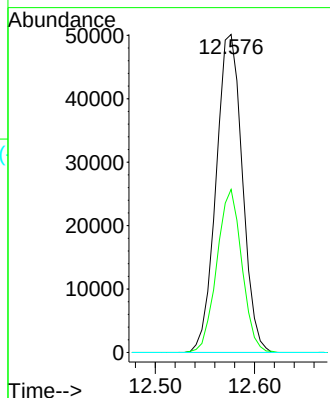
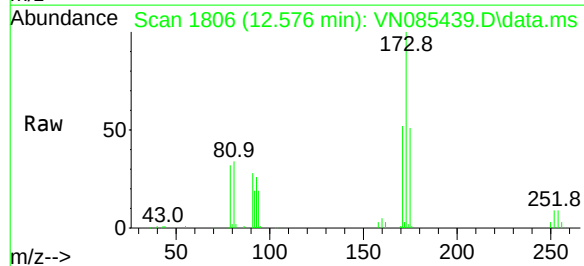
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

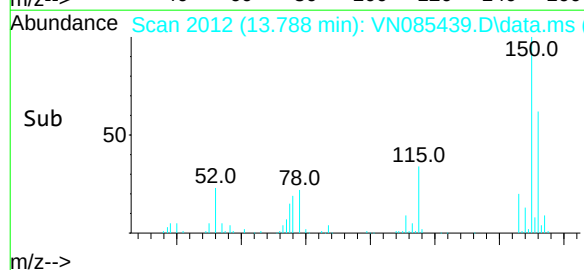
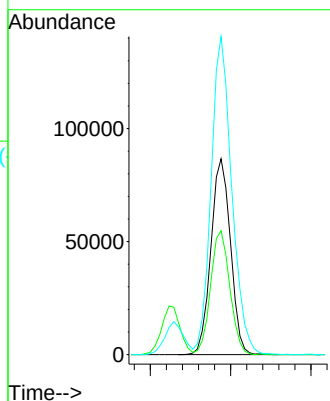
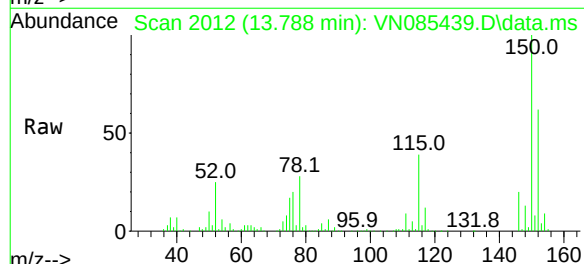
Tgt Ion:152 Resp: 146624

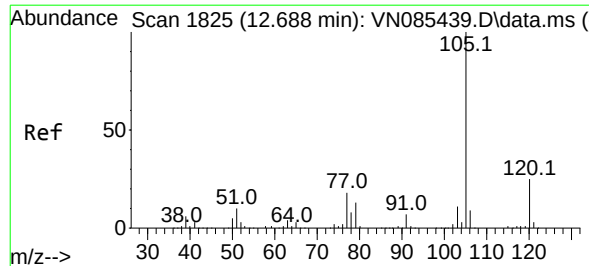
Ion Ratio Lower Upper

152 100

115 62.2 31.1 93.3

150 171.8 0.0 343.6





#73

Isopropylbenzene

Concen: 51.094 ug/l

RT: 12.688 min Scan# 1825

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 505619

Ion Ratio Lower Upper

105 100

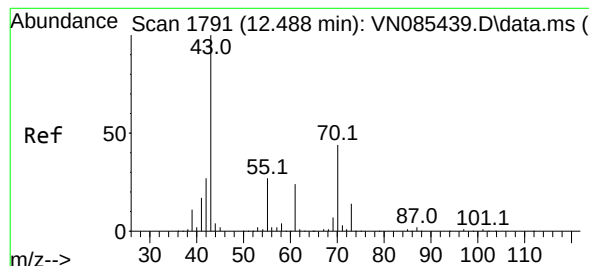
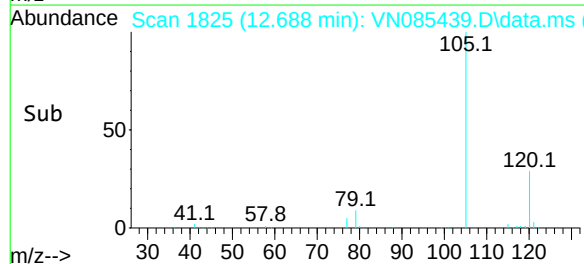
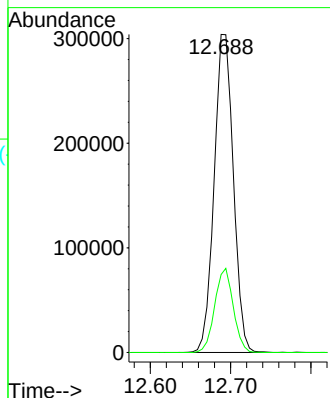
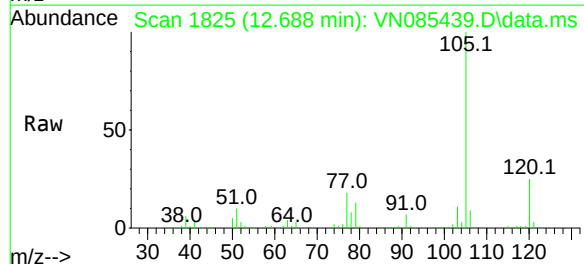
120 25.5 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#74

N-ethyl acetate

Concen: 53.478 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 237870

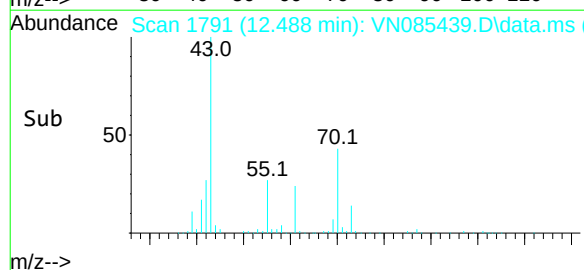
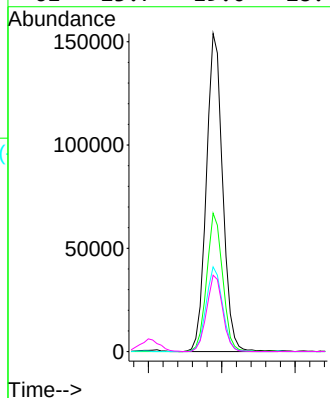
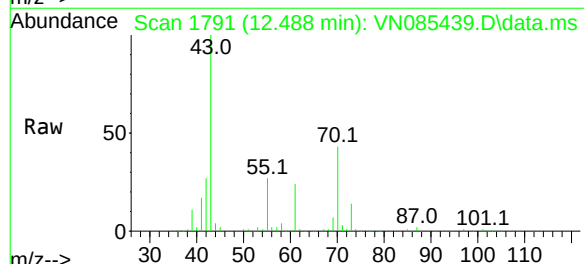
Ion Ratio Lower Upper

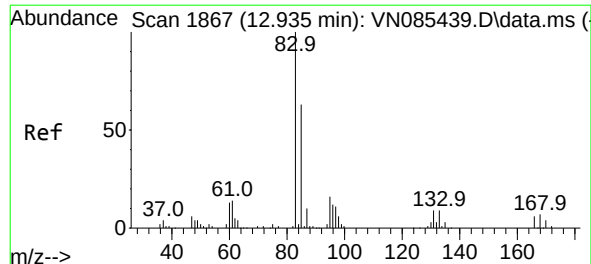
43 100

70 42.5 34.0 51.0

55 26.8 21.4 32.2

61 23.7 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.019 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

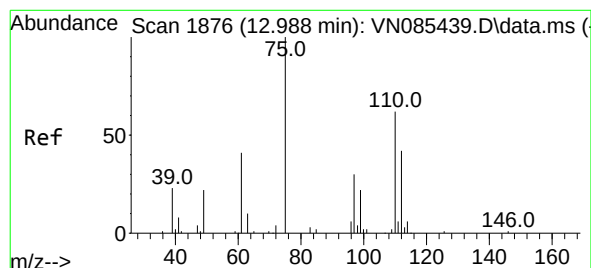
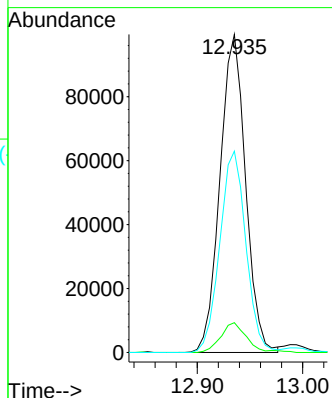
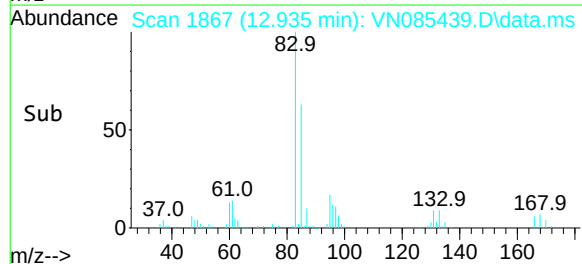
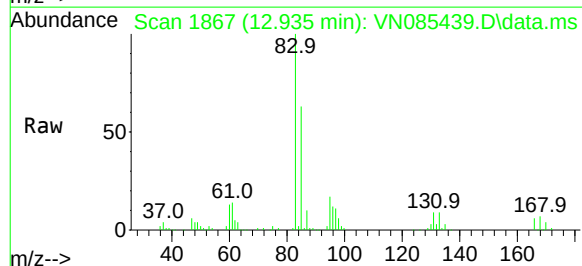
VSTDICCC050

Tgt Ion:	83	Resp:	167856
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.4	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#76

1,2,3-Trichloropropane

Concen: 43.982 ug/l m

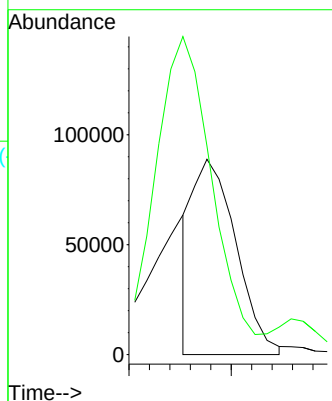
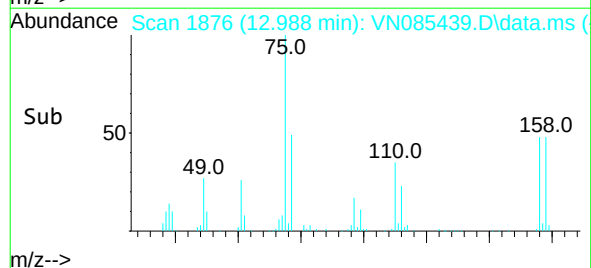
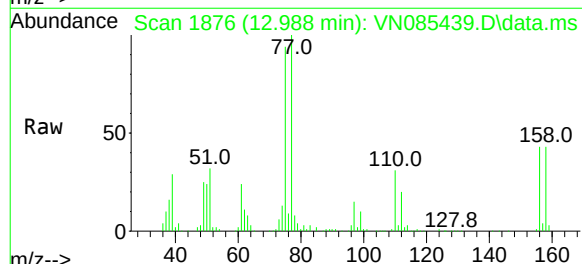
RT: 12.988 min Scan# 1876

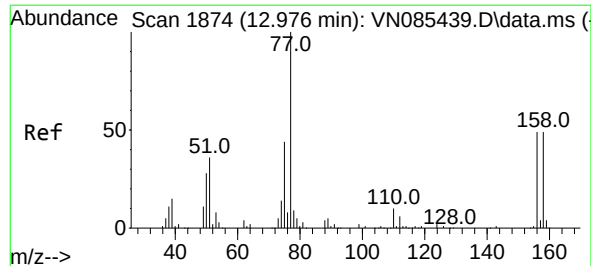
Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion:	75	Resp:	130866
Ion	Ratio	Lower	Upper
75	100		
77	219.5	109.7	329.2





#77

Bromobenzene

Concen: 48.657 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:156 Resp: 125800

Ion Ratio Lower Upper

156 100

77 228.3 114.1 342.4

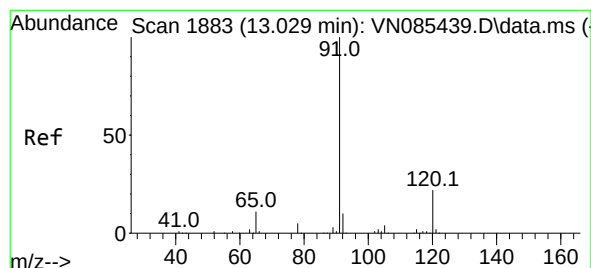
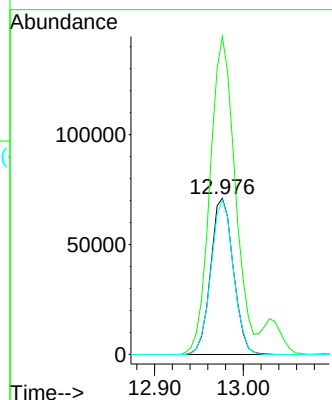
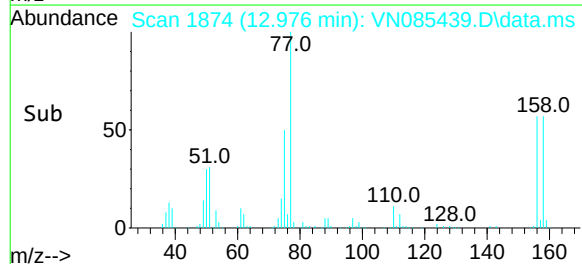
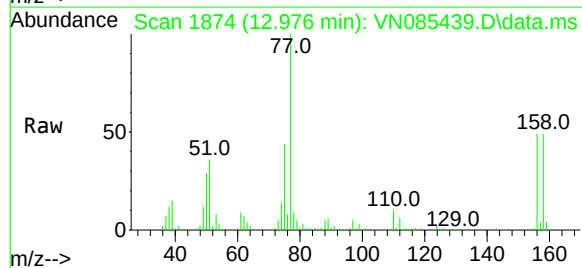
158 97.9 48.9 146.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#78

n-propylbenzene

Concen: 51.986 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. 0.000 min

Lab File: VN085439.D

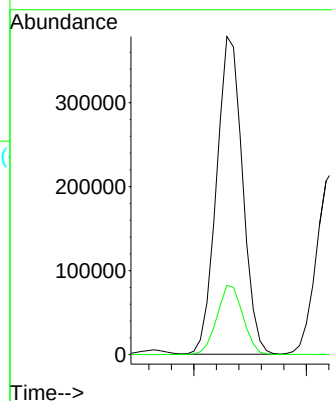
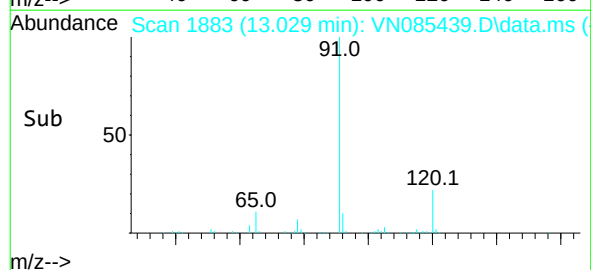
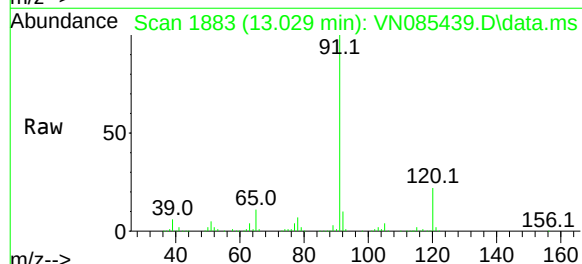
Acq: 14 Jan 2025 15:19

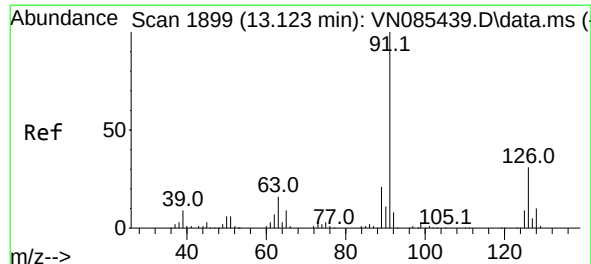
Tgt Ion: 91 Resp: 609022

Ion Ratio Lower Upper

91 100

120 21.7 10.9 32.6





#79

2-Chlorotoluene

Concen: 49.985 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 378981

Ion Ratio Lower Upper

91 100

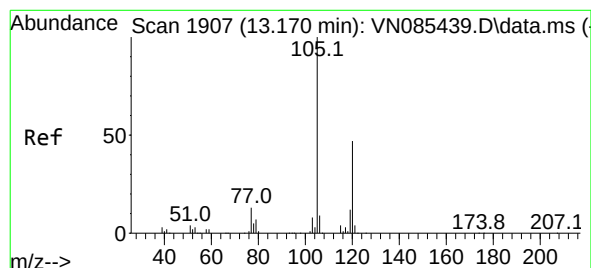
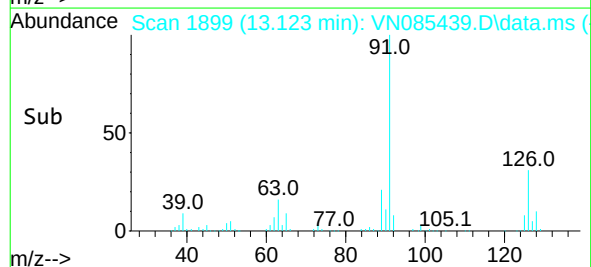
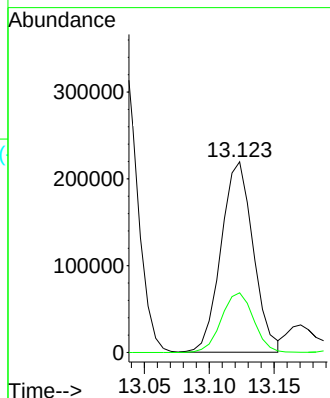
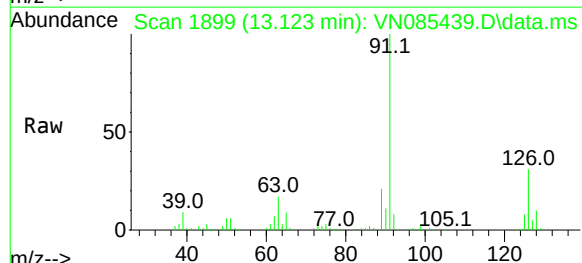
126 31.4 15.7 47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#80

1,3,5-Trimethylbenzene

Concen: 52.730 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085439.D

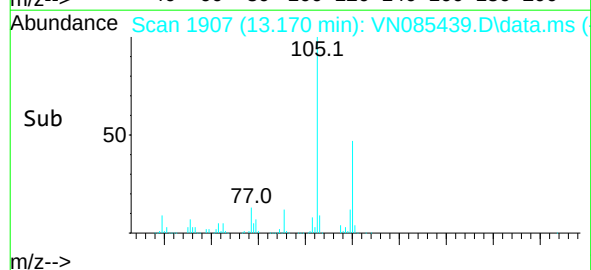
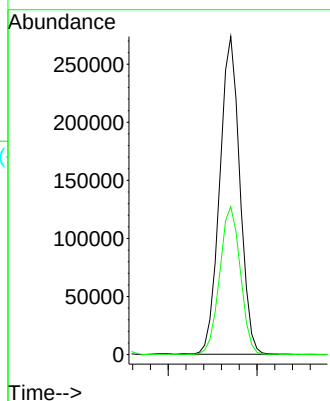
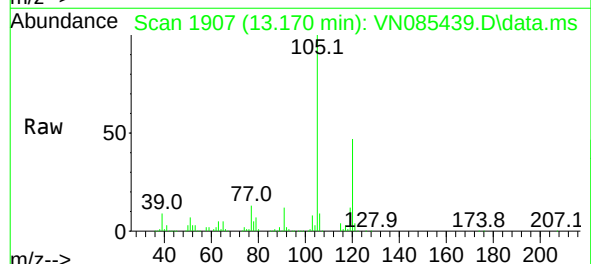
Acq: 14 Jan 2025 15:19

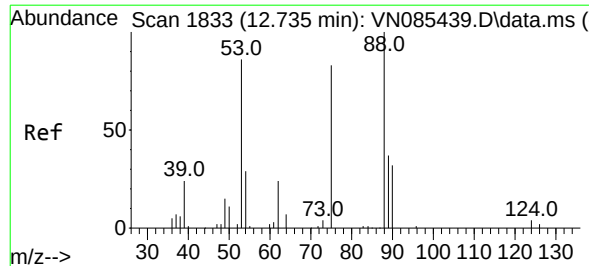
Tgt Ion:105 Resp: 431021

Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 51.914 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

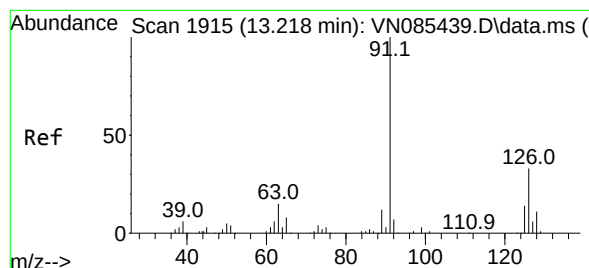
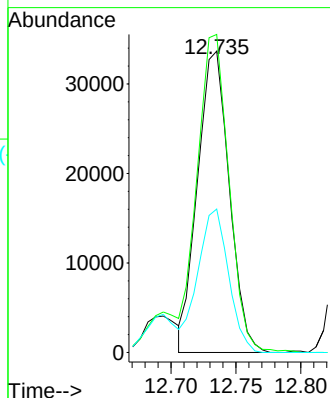
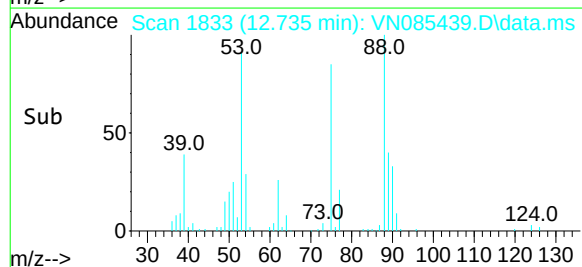
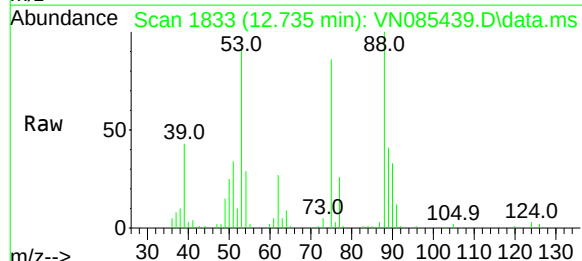
ClientSampleId :

VSTDICCC050

Tgt Ion:	75	Resp:	57184
Ion	Ratio	Lower	Upper
75	100		
53	119.5	95.6	143.4
89	46.3	37.0	55.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#82

4-Chlorotoluene

Concen: 50.273 ug/l

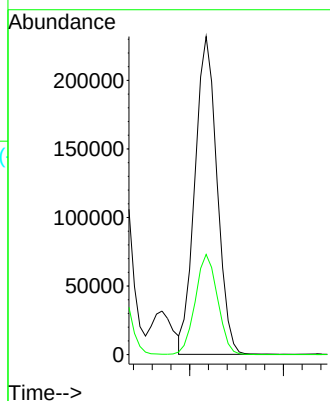
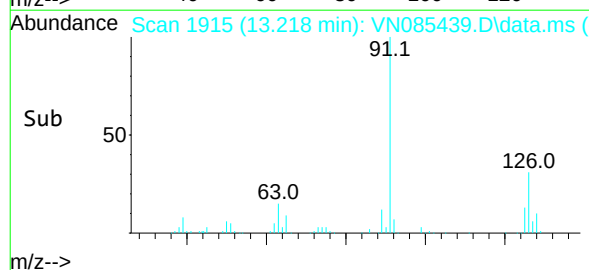
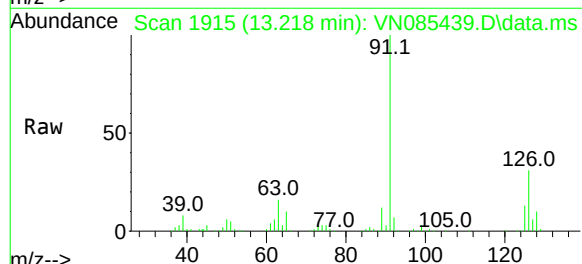
RT: 13.218 min Scan# 1915

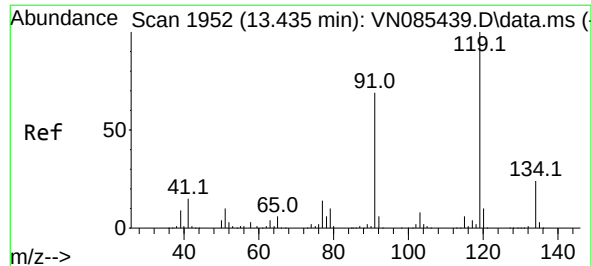
Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion:	91	Resp:	379524
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.7





#83

tert-Butylbenzene

Concen: 52.090 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 357563

Ion Ratio Lower Upper

119 100

91 70.2 35.1 105.3

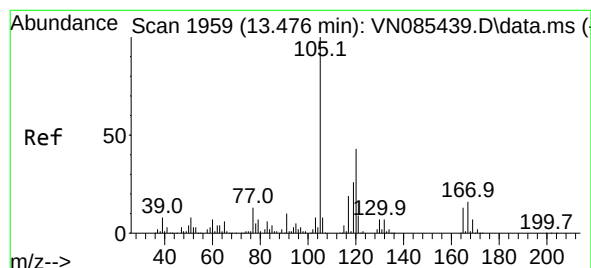
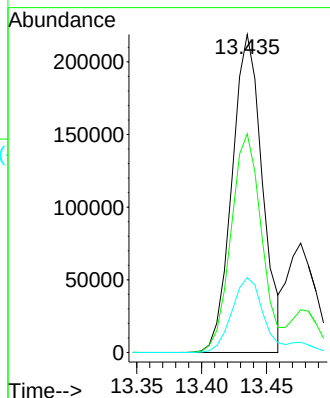
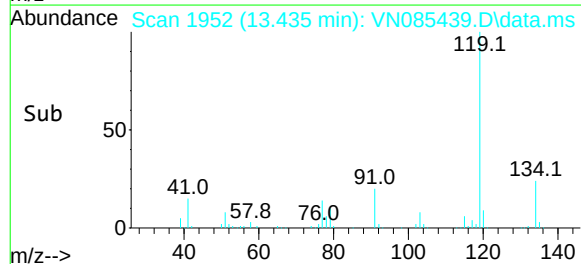
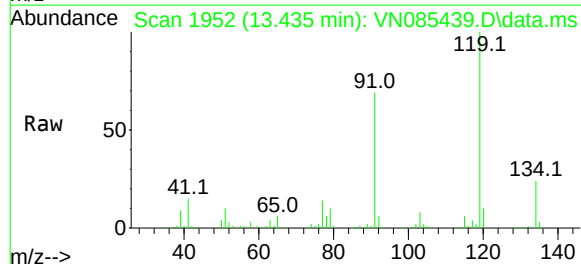
134 24.1 12.0 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#84

1,2,4-Trimethylbenzene

Concen: 54.275 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. 0.000 min

Lab File: VN085439.D

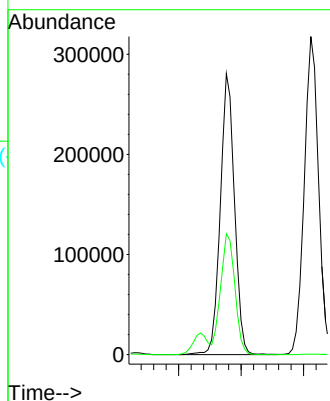
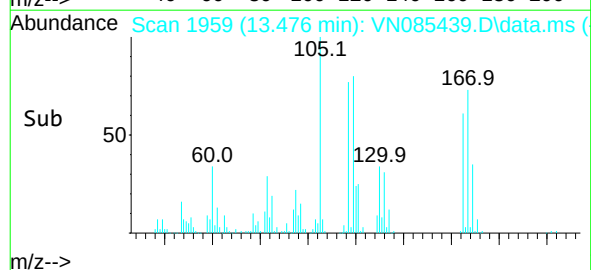
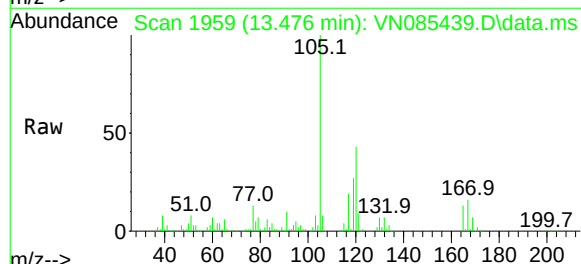
Acq: 14 Jan 2025 15:19

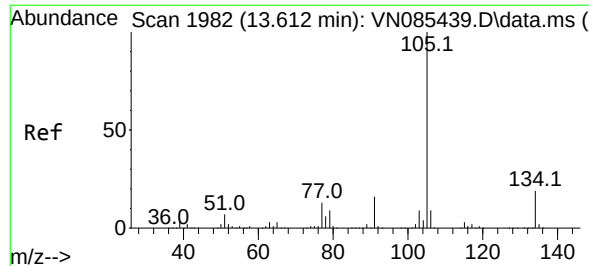
Tgt Ion:105 Resp: 442175

Ion Ratio Lower Upper

105 100

120 43.3 21.6 65.0





#85

sec-Butylbenzene

Concen: 52.719 ug/l

RT: 13.612 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 501561

Ion Ratio Lower Upper

105 100

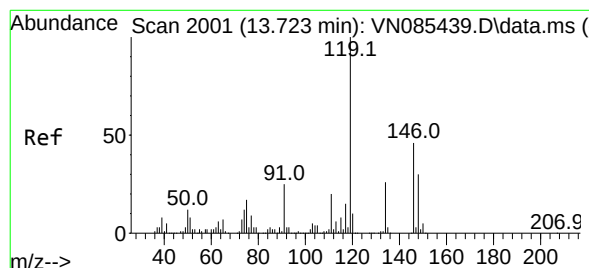
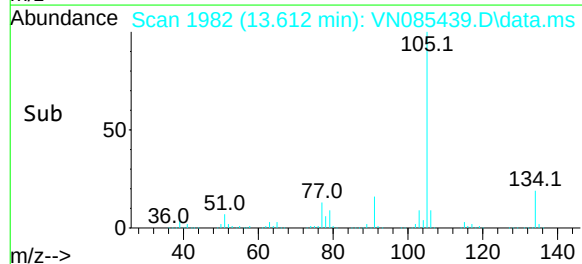
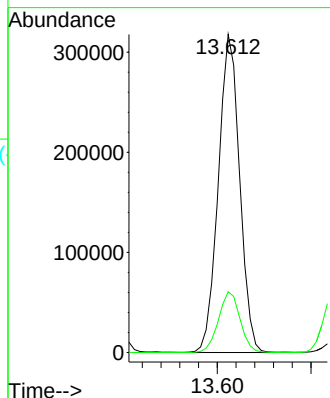
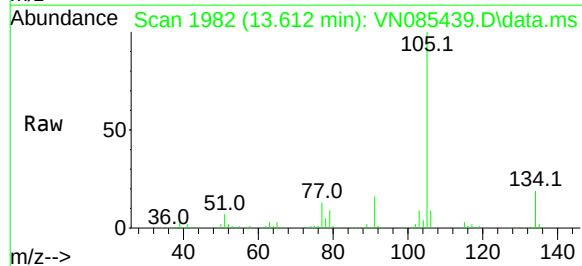
134 19.3 9.7 28.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#86

p-Isopropyltoluene

Concen: 49.240 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

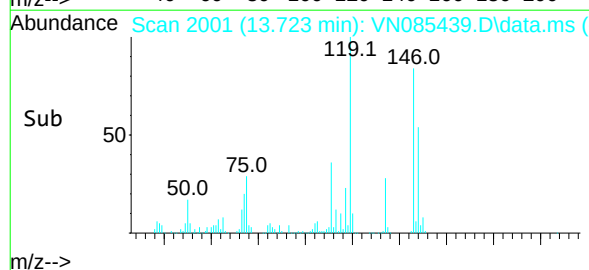
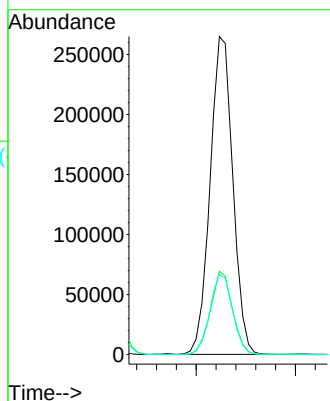
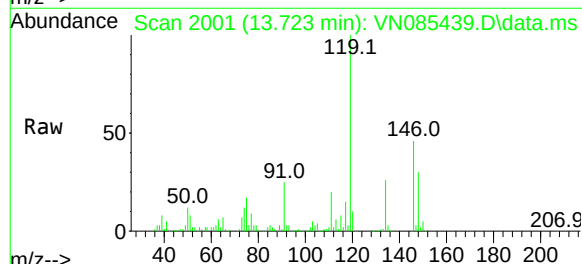
Tgt Ion:119 Resp: 421052

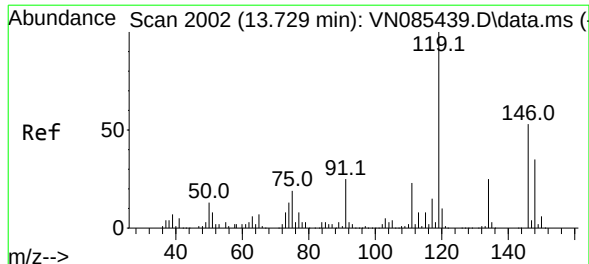
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.0

91 25.4 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 48.204 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

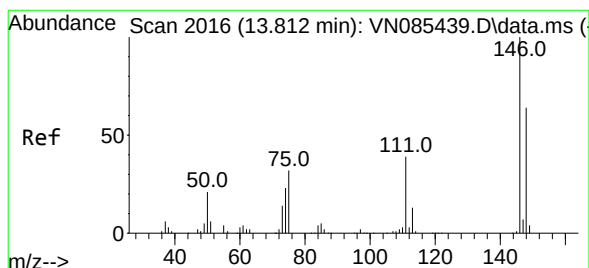
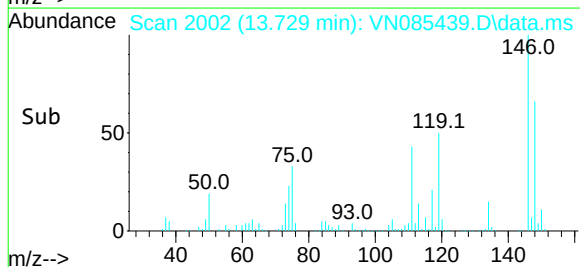
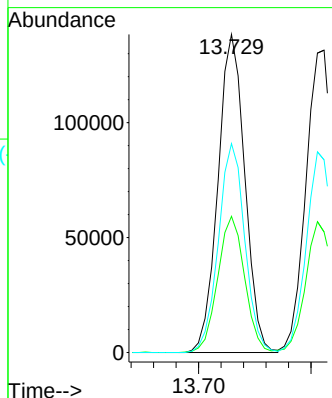
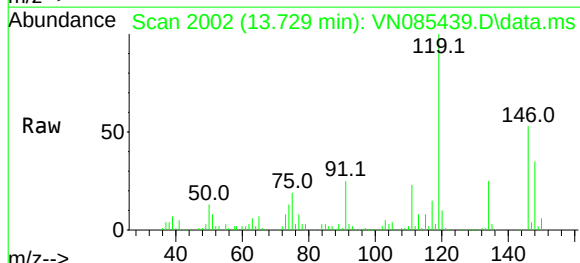
Tgt Ion:	146	Resp:	229518
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	64.6	32.3	96.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#88

1,4-Dichlorobenzene

Concen: 46.416 ug/l

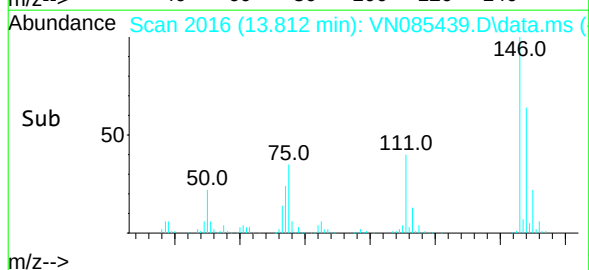
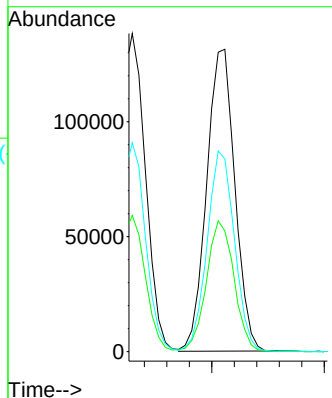
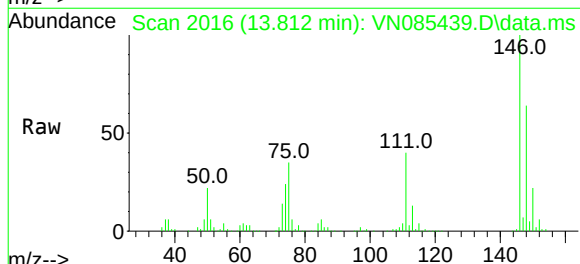
RT: 13.812 min Scan# 2016

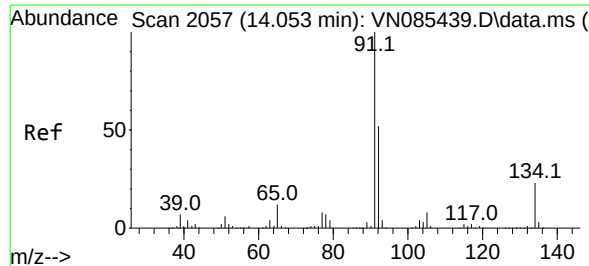
Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion:	146	Resp:	229084
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	64.7	32.4	97.0





#89

n-Butylbenzene

Concen: 53.348 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

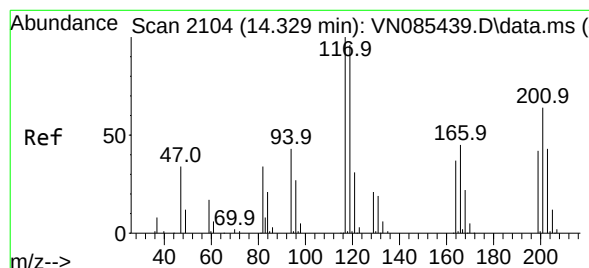
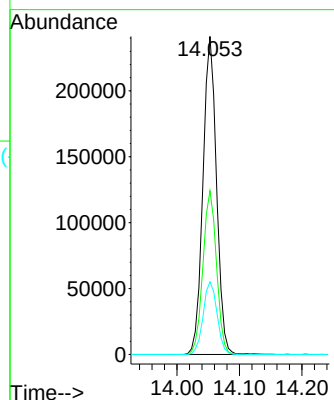
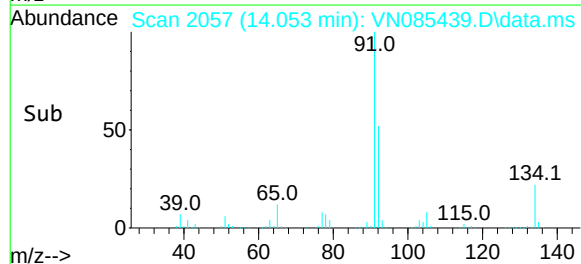
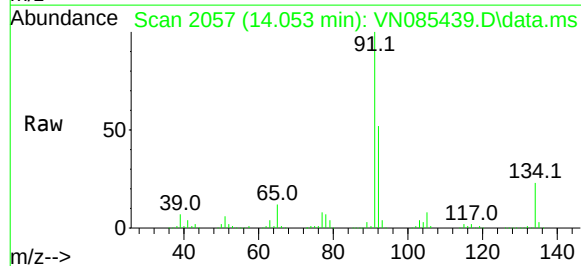
ClientSampleId :

VSTDICCC050

Tgt Ion:	91	Resp:	364111
Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.8	77.3
134	23.4	11.7	35.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#90

Hexachloroethane

Concen: 46.712 ug/l

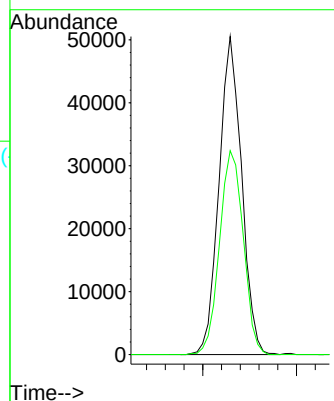
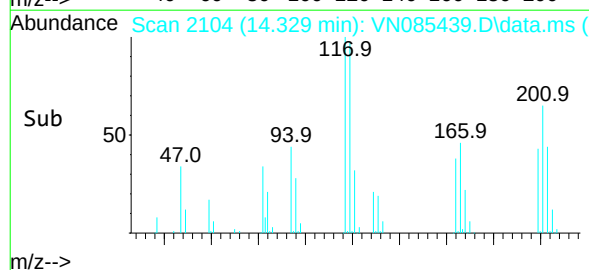
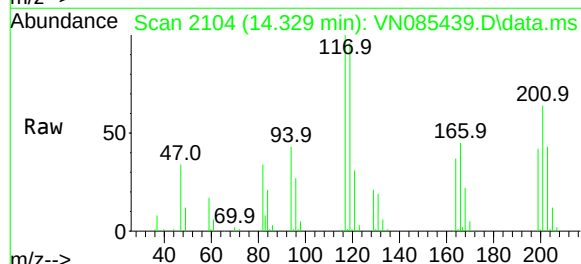
RT: 14.329 min Scan# 2104

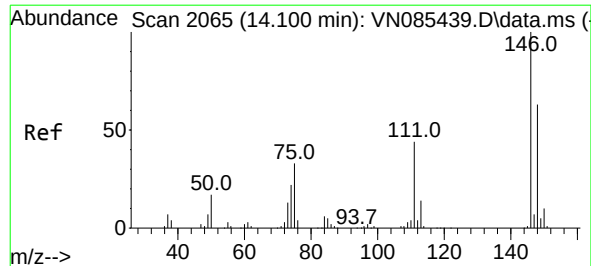
Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion:	117	Resp:	84602
Ion	Ratio	Lower	Upper
117	100		
201	67.3	33.7	101.0





#91

1,2-Dichlorobenzene

Concen: 48.012 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

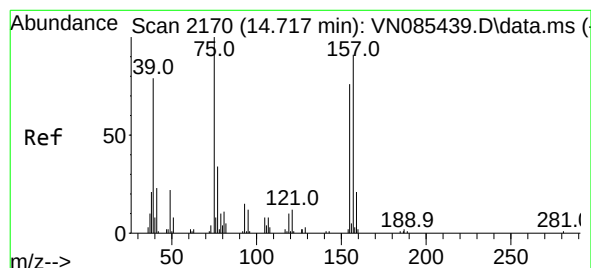
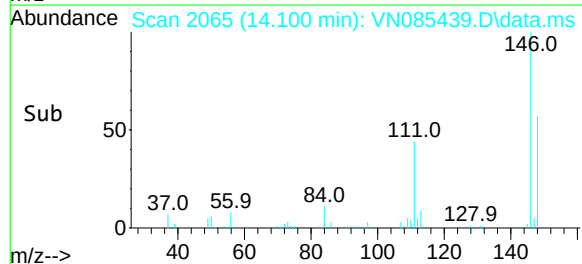
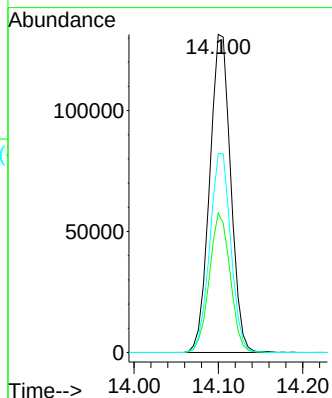
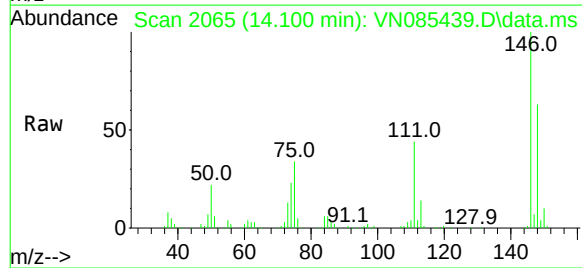
Tgt Ion:	146	Resp:	228024
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	62.8	31.4	94.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.971 ug/l

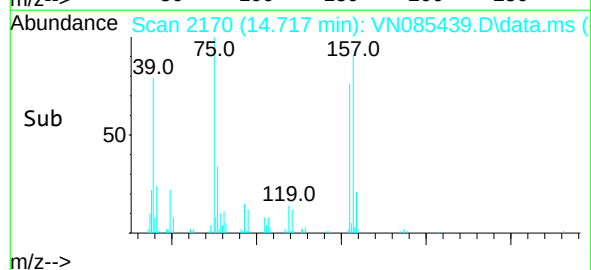
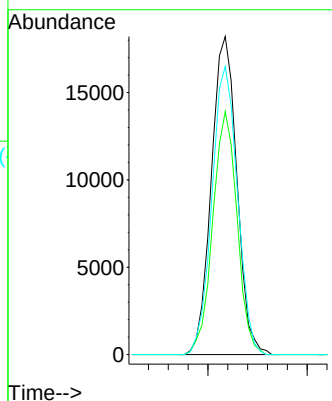
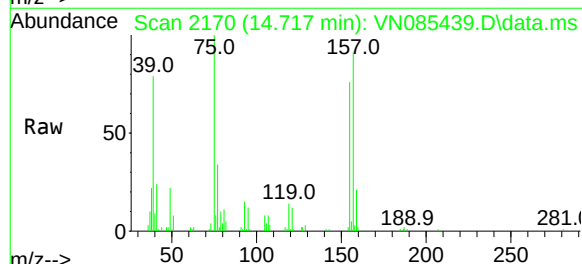
RT: 14.717 min Scan# 2170

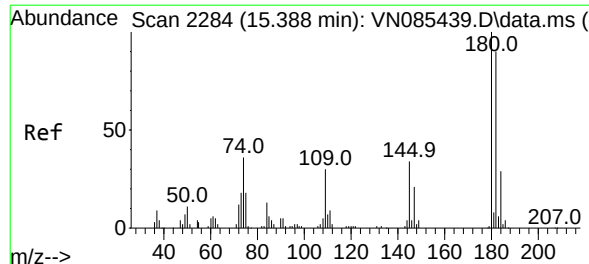
Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion:	75	Resp:	32536
Ion	Ratio	Lower	Upper
75	100		
155	72.8	36.4	109.2
157	90.7	45.4	136.1





#93

1,2,4-Trichlorobenzene

Concen: 51.857 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:180 Resp: 114468

Ion Ratio Lower Upper

180 100

182 93.5 46.8 140.3

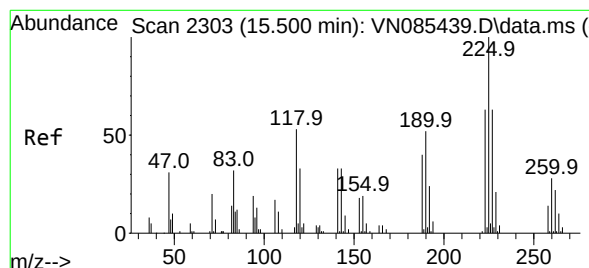
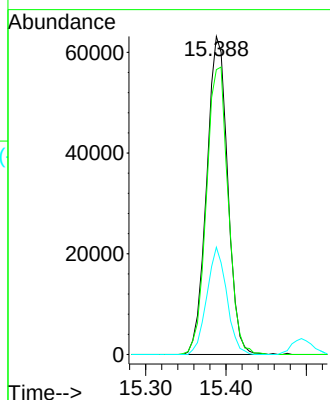
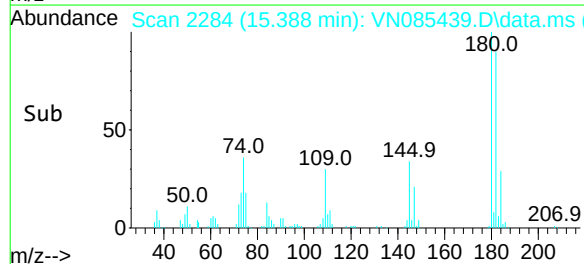
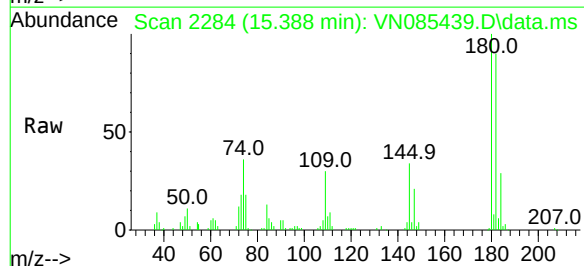
145 32.0 16.0 48.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#94

Hexachlorobutadiene

Concen: 45.947 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

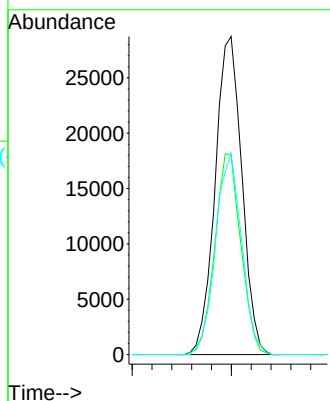
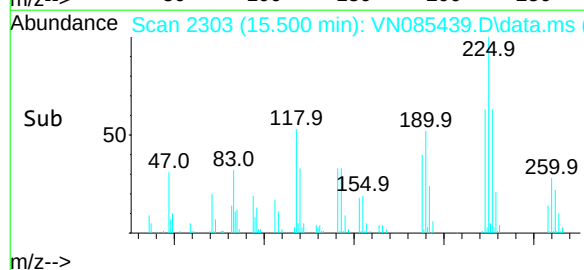
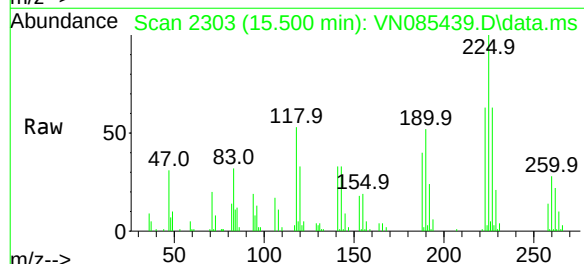
Tgt Ion:225 Resp: 53846

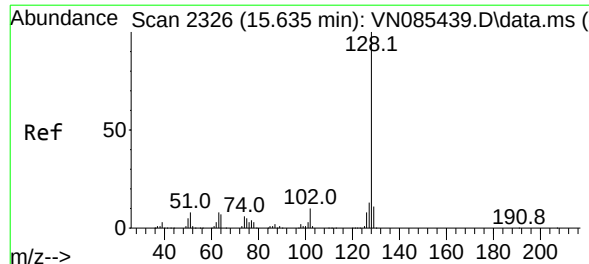
Ion Ratio Lower Upper

225 100

223 61.4 30.7 92.1

227 61.7 30.9 92.5





#95

Naphthalene

Concen: 55.243 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA_N

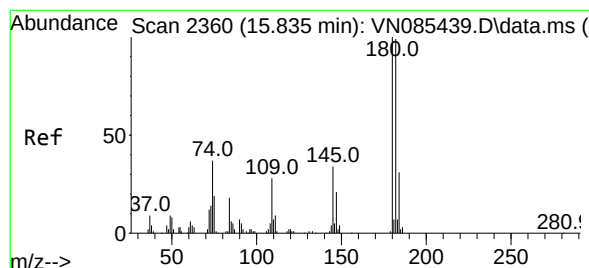
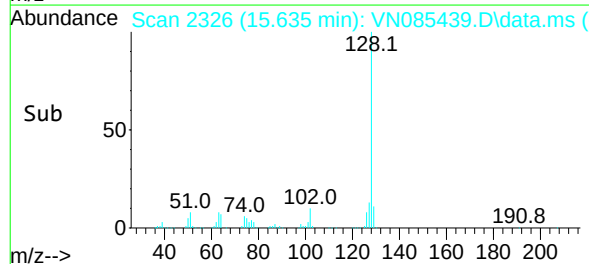
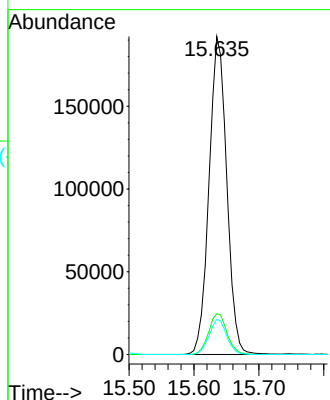
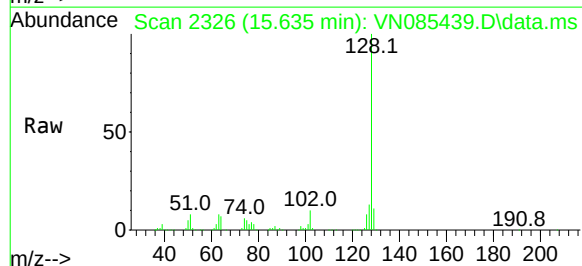
ClientSampleId :

VSTDICCC050

Tgt Ion:	128	Resp:	363882
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#96

1,2,3-Trichlorobenzene

Concen: 51.601 ug/l

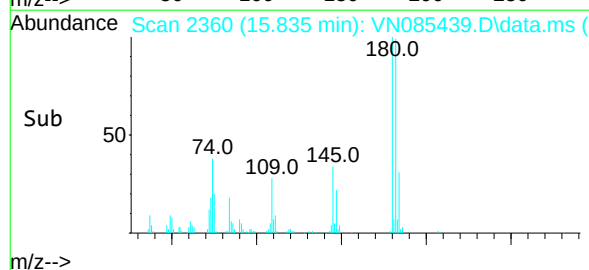
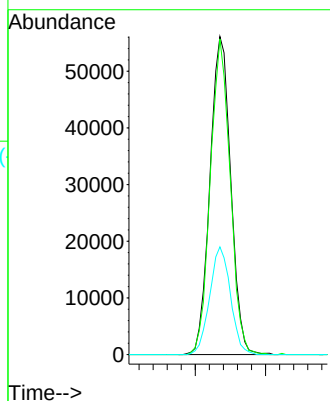
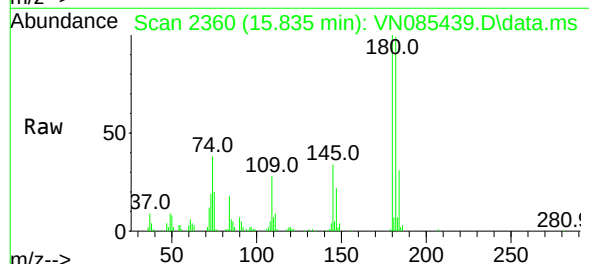
RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Tgt Ion:	180	Resp:	115251
Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	33.8	16.9	50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085440.D
 Acq On : 14 Jan 2025 15:43
 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 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:43:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 01:28:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	200796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	340593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143526	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	60593	18.694	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	37.380%#
35) Dibromofluoromethane	8.165	113	45655	19.322	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	38.640%#
50) Toluene-d8	10.559	98	164391	19.581	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	39.160%#
62) 4-Bromofluorobenzene	12.847	95	55798	19.430	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	38.860%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	54666	20.107	ug/l	98
3) Chloromethane	2.359	50	58426	19.848	ug/l	100
4) Vinyl Chloride	2.512	62	58403	19.739	ug/l	99
5) Bromomethane	2.954	94	36440	20.389	ug/l	94
6) Chloroethane	3.118	64	37594	20.041	ug/l	93
7) Trichlorofluoromethane	3.501	101	88121	20.526	ug/l	99
8) Diethyl Ether	3.965	74	29138	19.647	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	48933	20.237	ug/l	99
10) Methyl Iodide	4.589	142	56567	20.428	ug/l	93
11) Tert butyl alcohol	5.506	59	37984	102.342	ug/l	100
12) 1,1-Dichloroethene	4.342	96	44670	20.728	ug/l	95
13) Acrolein	4.171	56	49649	97.995	ug/l	99
14) Allyl chloride	5.024	41	67705	19.362	ug/l	96
15) Acrylonitrile	5.712	53	121626	103.171	ug/l	99
16) Acetone	4.424	43	101065	96.502	ug/l	96
17) Carbon Disulfide	4.712	76	132300	19.939	ug/l	98
18) Methyl Acetate	5.018	43	60873	19.115	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	148847	21.272	ug/l	100
20) Methylene Chloride	5.271	84	52813	20.370	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	46115	20.023	ug/l	98
22) Diisopropyl ether	6.671	45	166719	21.480	ug/l	97
23) Vinyl Acetate	6.594	43	588567m	107.984	ug/l	
24) 1,1-Dichloroethane	6.565	63	96875	20.469	ug/l #	96
25) 2-Butanone	7.477	43	159952	103.786	ug/l	98
26) 2,2-Dichloropropane	7.483	77	79145	20.684	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	57454	21.180	ug/l	98
28) Bromochloromethane	7.812	49	41181	18.703	ug/l	99
29) Tetrahydrofuran	7.836	42	104792	107.247	ug/l	99
30) Chloroform	7.959	83	99655	20.374	ug/l	99
31) Cyclohexane	8.253	56	82980	20.173	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	87659	20.431	ug/l	98
36) 1,1-Dichloropropene	8.371	75	67949	20.490	ug/l	98
37) Ethyl Acetate	7.553	43	66443	19.850	ug/l	96
38) Carbon Tetrachloride	8.359	117	78842	20.767	ug/l	96
39) Methylcyclohexane	9.594	83	65012	20.862	ug/l	96
40) Benzene	8.600	78	207985	20.873	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085440.D
 Acq On : 14 Jan 2025 15:43
 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 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:43:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 01:28:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	36578	21.004	ug/l	99
42) 1,2-Dichloroethane	8.665	62	78402	20.891	ug/l	99
43) Isopropyl Acetate	8.683	43	109131	20.347	ug/l	98
44) Trichloroethene	9.347	130	48009	20.699	ug/l	96
45) 1,2-Dichloropropane	9.618	63	52833	20.758	ug/l	93
46) Dibromomethane	9.700	93	37721	20.540	ug/l	98
47) Bromodichloromethane	9.882	83	78918	21.093	ug/l	96
48) Methyl methacrylate	9.677	41	50224	20.808	ug/l	96
49) 1,4-Dioxane	9.688	88	17140	421.686	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	336911	108.249	ug/l	100
52) Toluene	10.630	92	125172	21.680	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	74129	20.965	ug/l	96
54) cis-1,3-Dichloropropene	10.306	75	81897	21.684	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	48039	21.025	ug/l	97
56) Ethyl methacrylate	10.871	69	70934	19.649	ug/l	99
57) 1,3-Dichloropropane	11.159	76	84210	21.196	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	153681	105.991	ug/l	100
59) 2-Hexanone	11.194	43	240595	109.863	ug/l	98
60) Dibromochloromethane	11.353	129	56069	20.326	ug/l	96
61) 1,2-Dibromoethane	11.465	107	48465	21.309	ug/l	96
64) Tetrachloroethene	11.100	164	43243	21.408	ug/l	96
65) Chlorobenzene	11.888	112	136809	21.077	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	48370	20.304	ug/l	98
67) Ethyl Benzene	11.959	91	229978	21.753	ug/l	98
68) m/p-Xylenes	12.071	106	177755	45.494	ug/l	100
69) o-Xylene	12.394	106	84548	22.643	ug/l	98
70) Styrene	12.412	104	140581	22.749	ug/l	99
71) Bromoform	12.576	173	36961	21.683	ug/l #	96
73) Isopropylbenzene	12.694	105	211354	21.819	ug/l	100
74) N-amyl acetate	12.494	43	94292	21.656	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	68151	19.917	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	64180m	22.036	ug/l	
77) Bromobenzene	12.976	156	52022	20.556	ug/l	99
78) n-propylbenzene	13.035	91	252610	22.028	ug/l	100
79) 2-Chlorotoluene	13.123	91	158511	21.358	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	180294	22.533	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	22178m	20.569	ug/l	
82) 4-Chlorotoluene	13.218	91	161880	21.906	ug/l	100
83) tert-Butylbenzene	13.435	119	147541	21.958	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	183144	22.965	ug/l	99
85) sec-Butylbenzene	13.612	105	209133	22.457	ug/l	100
86) p-Isopropyltoluene	13.729	119	168888	21.661	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	97652	20.952	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	98321	20.351	ug/l	99
89) n-Butylbenzene	14.053	91	142673	21.355	ug/l	99
90) Hexachloroethane	14.329	117	35205	19.858	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	94954	20.425	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12859	20.580	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	45878	21.233	ug/l	99
94) Hexachlorobutadiene	15.500	225	22719	19.805	ug/l	95
95) Naphthalene	15.635	128	134793	20.906	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	45468	20.797	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
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 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

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

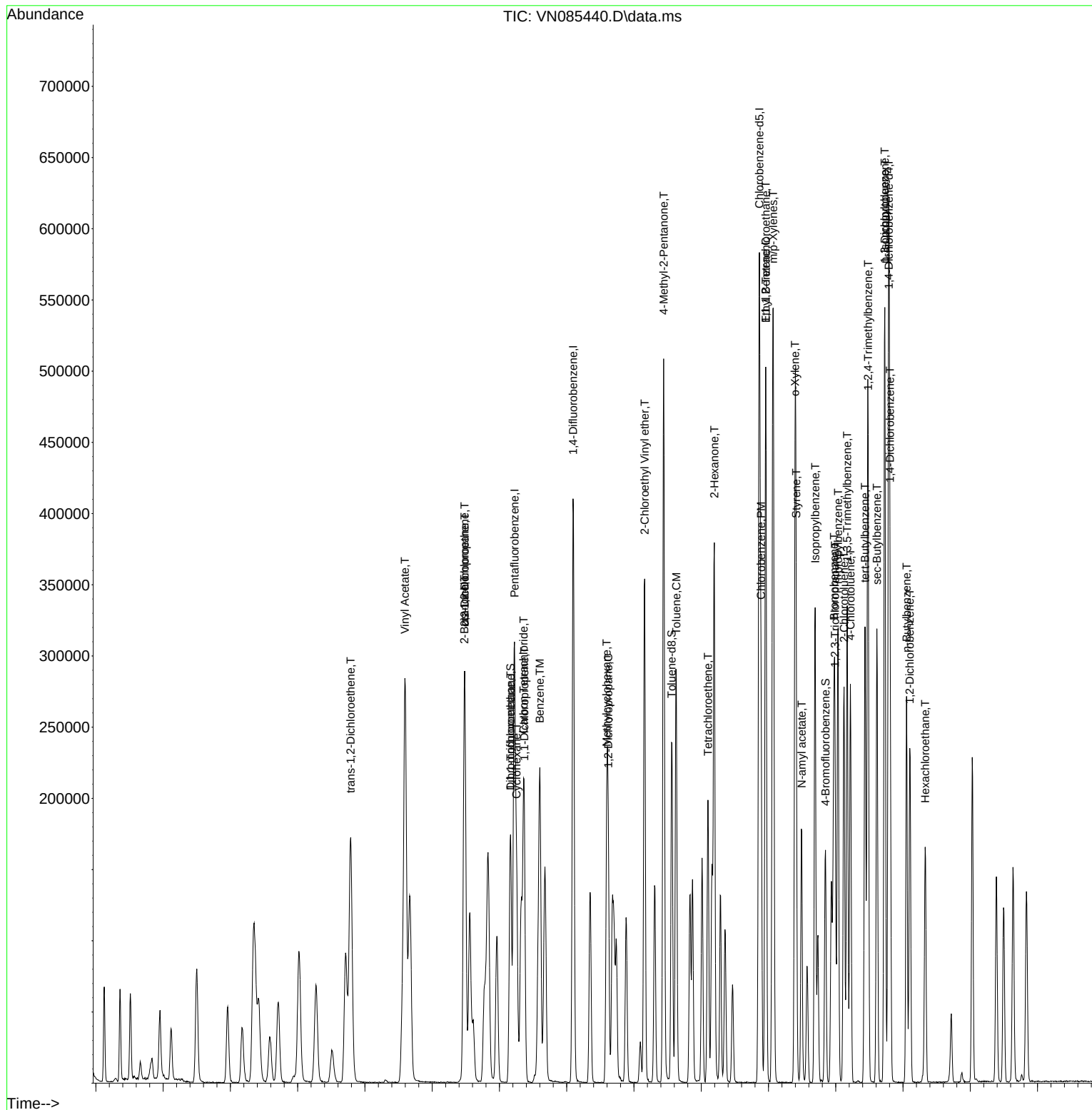
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Data File : VN085440.D  
Acq On    : 14 Jan 2025   15:43  
Operator  : JC\MD  
Sample    : VSTDICC020  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 6   Sample Multiplier: 1
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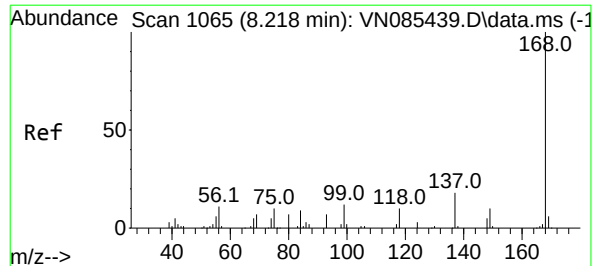
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

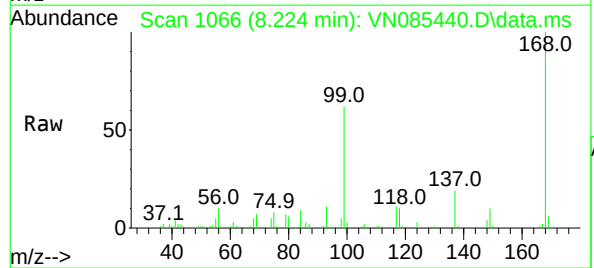
Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

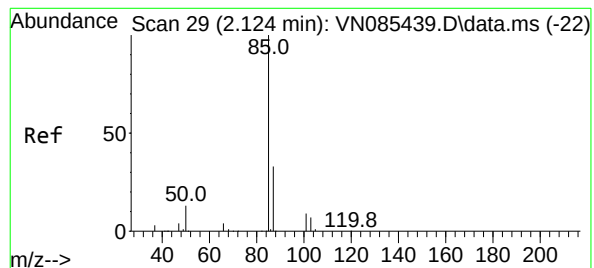
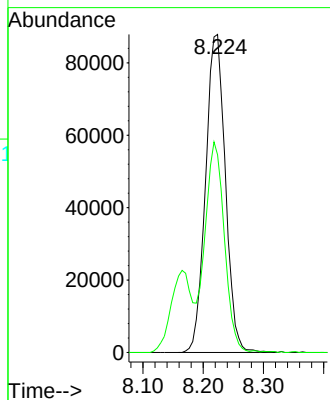
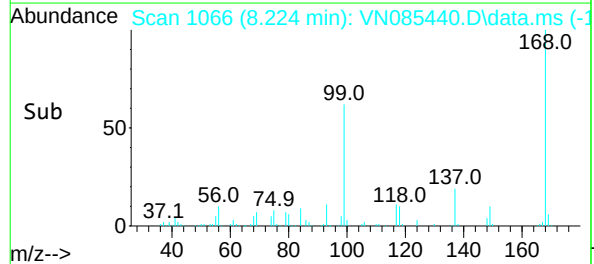
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 168 Resp: 200796
Ion Ratio Lower Upper
168 100
99 62.2 53.6 80.4

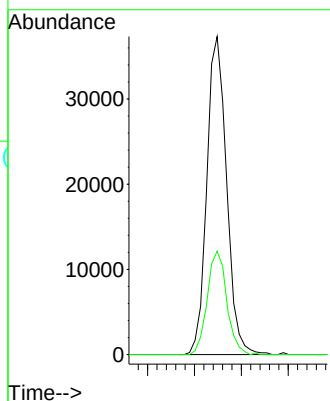
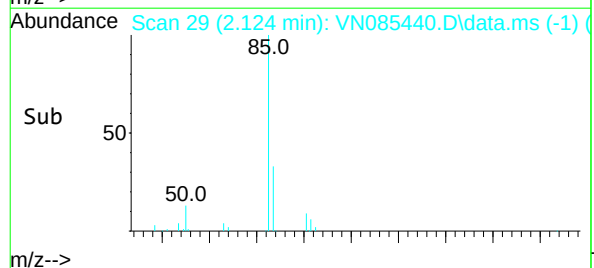
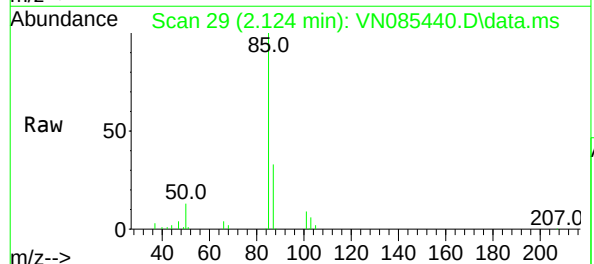
Manual Integrations
APPROVED

Reviewed By : John Carlone 01/15/2025
Supervised By : Mahesh Dadoda 01/15/2025

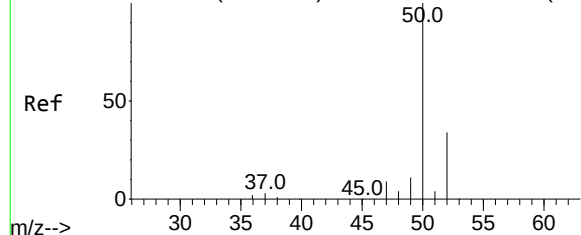


#2
Dichlorodifluoromethane
Concen: 20.107 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 85 Resp: 54666
Ion Ratio Lower Upper
85 100
87 32.5 16.7 50.1



Abundance Scan 69 (2.359 min): VN085439.D\data.ms (-62)



#3

Chloromethane

Concen: 19.848 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 50 Resp: 58426

Ion Ratio Lower Upper

50 100

52 34.0 27.0 40.6

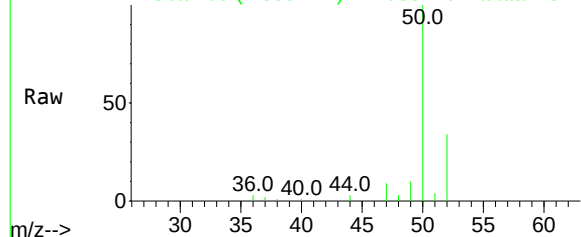
Manual Integrations

APPROVED

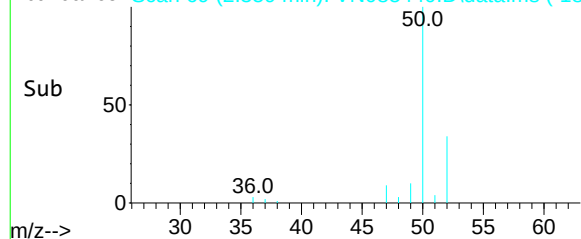
Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025

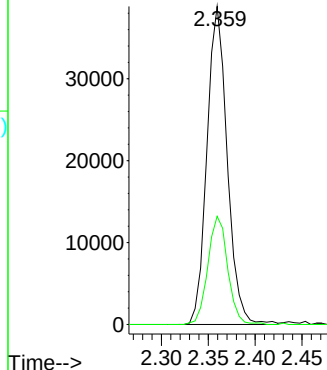
Abundance Scan 69 (2.359 min): VN085440.D\data.ms



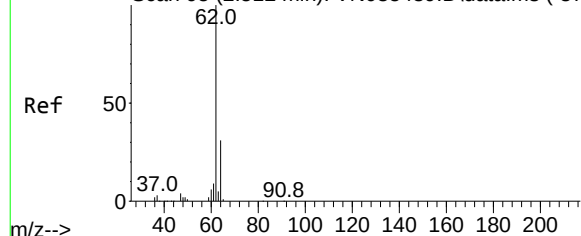
Abundance Scan 69 (2.359 min): VN085440.D\data.ms (-18)



Abundance



Abundance Scan 95 (2.512 min): VN085439.D\data.ms (-87)



#4

Vinyl Chloride

Concen: 19.739 ug/l

RT: 2.512 min Scan# 95

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

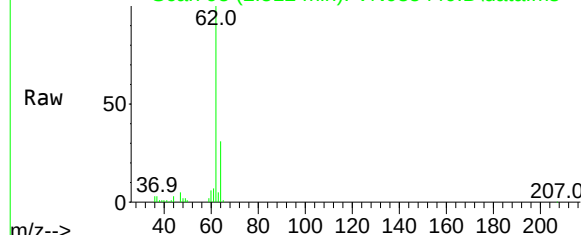
Tgt Ion: 62 Resp: 58403

Ion Ratio Lower Upper

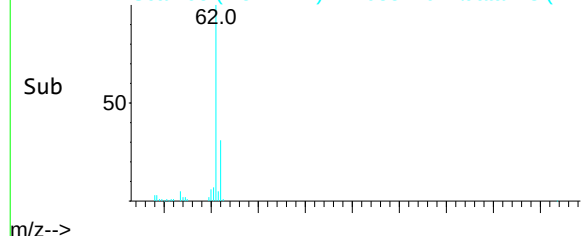
62 100

64 30.7 24.8 37.2

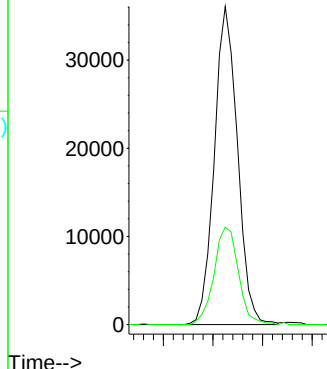
Abundance Scan 95 (2.512 min): VN085440.D\data.ms

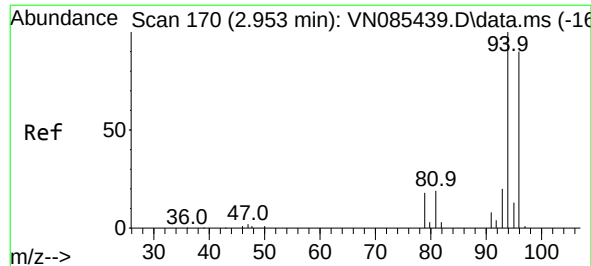


Abundance Scan 95 (2.512 min): VN085440.D\data.ms (-44)



Abundance





#5

Bromomethane

Concen: 20.389 ug/l

RT: 2.954 min Scan# 170

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 94 Resp: 36440

Ion Ratio Lower Upper

94 100

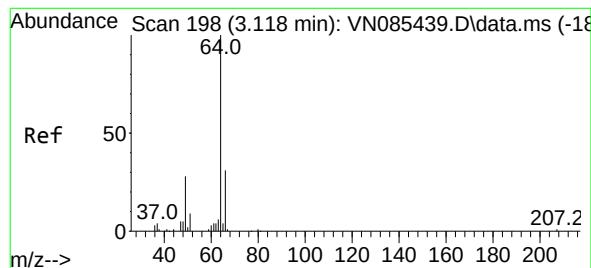
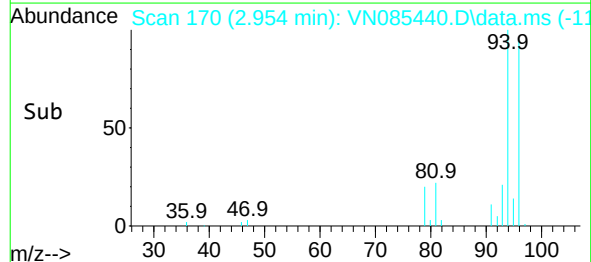
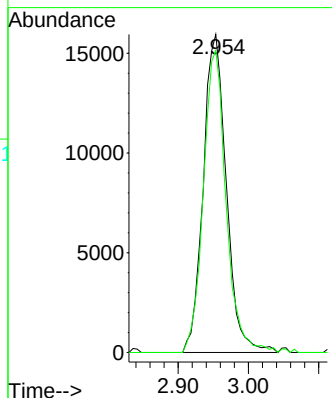
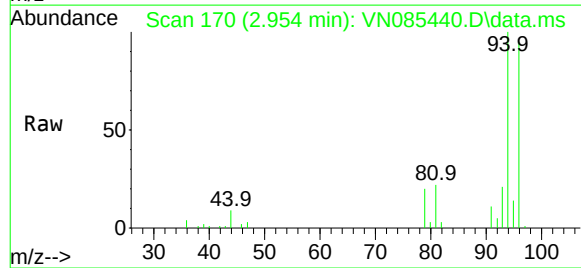
96 94.9 71.8 107.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#6

Chloroethane

Concen: 20.041 ug/l

RT: 3.118 min Scan# 198

Delta R.T. 0.000 min

Lab File: VN085440.D

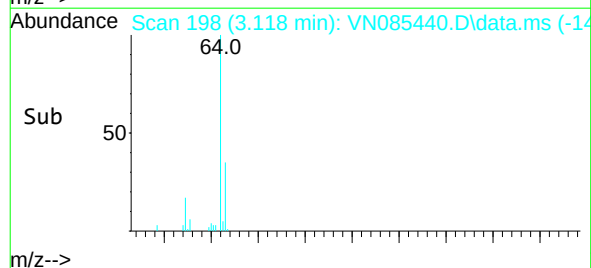
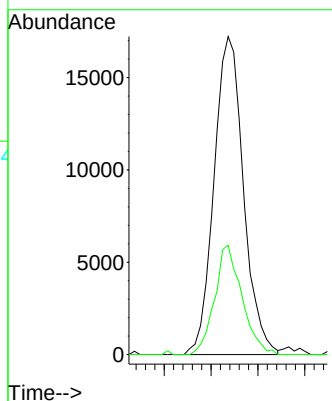
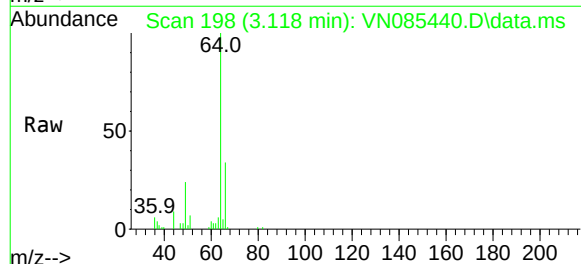
Acq: 14 Jan 2025 15:43

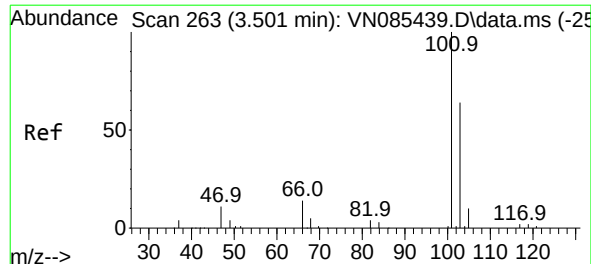
Tgt Ion: 64 Resp: 37594

Ion Ratio Lower Upper

64 100

66 34.3 24.6 36.8





#7

Trichlorofluoromethane

Concen: 20.526 ug/l

RT: 3.501 min Scan# 26

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion: 101 Resp: 88121

Ion Ratio Lower Upper

101 100

103 65.3 51.4 77.2

Instrument :

MSVOA_N

ClientSampleId :

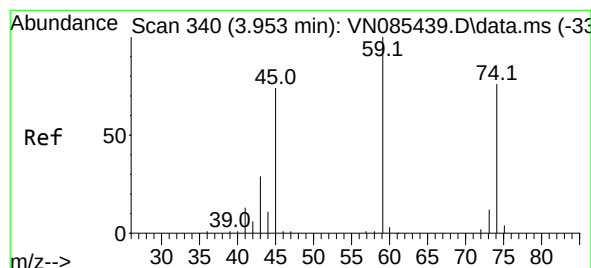
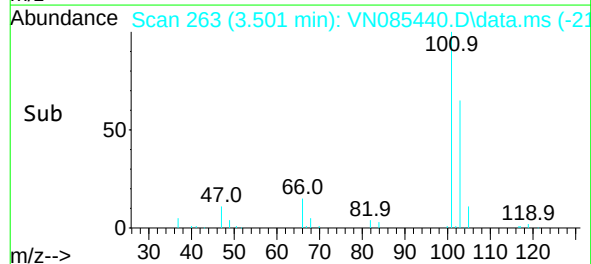
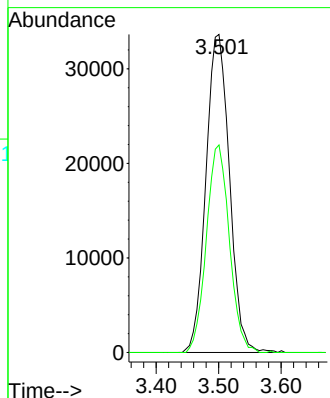
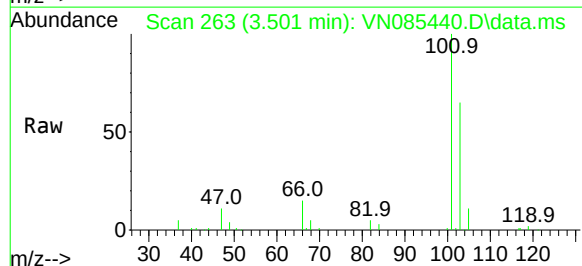
VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#8

Diethyl Ether

Concen: 19.647 ug/l

RT: 3.965 min Scan# 342

Delta R.T. 0.012 min

Lab File: VN085440.D

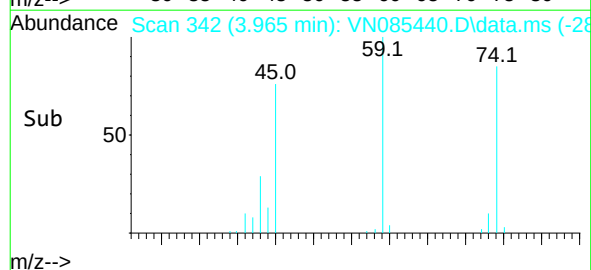
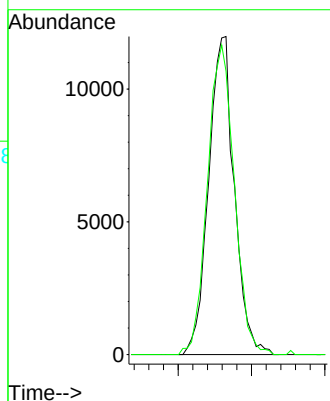
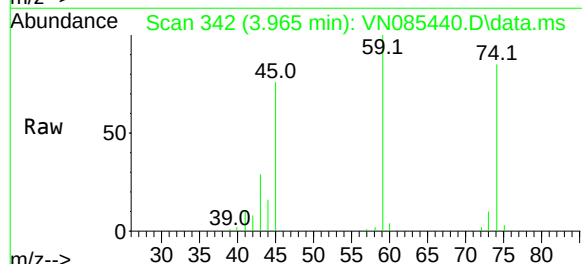
Acq: 14 Jan 2025 15:43

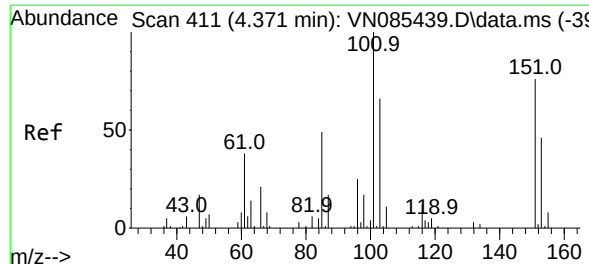
Tgt Ion: 74 Resp: 29138

Ion Ratio Lower Upper

74 100

45 101.8 49.7 149.1





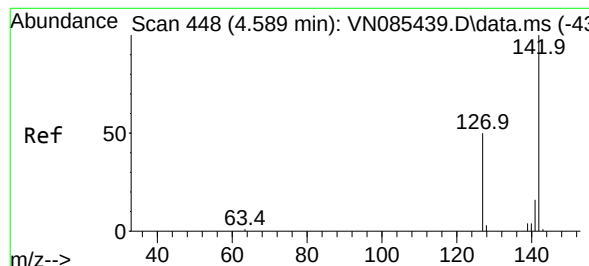
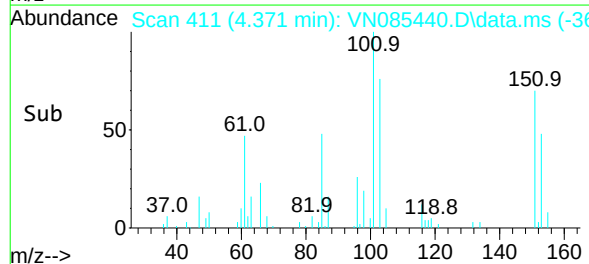
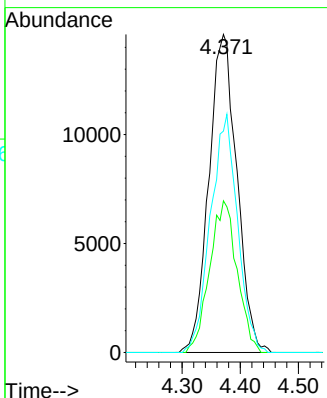
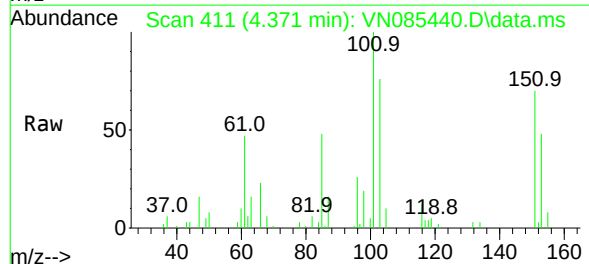
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.237 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion	101	Resp	48933
Ion Ratio	Lower	Upper	
101	100		
85	46.6	37.8	56.8
151	72.1	58.8	88.2

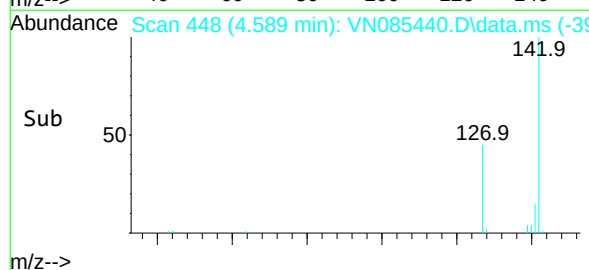
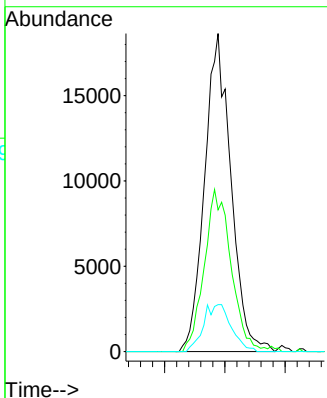
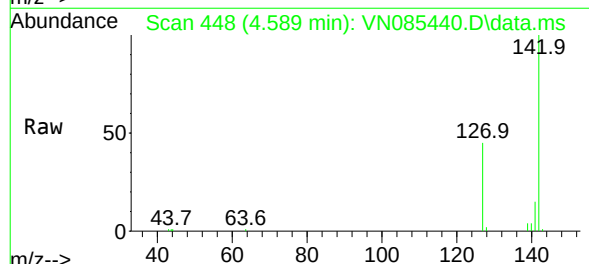
Manual Integrations
APPROVED

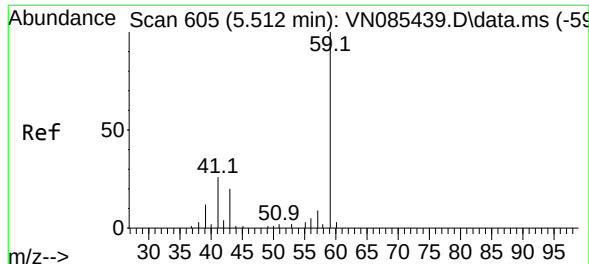
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#10
Methyl Iodide
Concen: 20.428 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion	142	Resp	56567
Ion Ratio	Lower	Upper	
142	100		
127	44.6	40.3	60.5
141	14.8	12.8	19.2





#11

Tert butyl alcohol

Concen: 102.342 ug/l

RT: 5.506 min Scan# 605

Delta R.T. -0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 37984

Ion Ratio Lower Upper

59 100

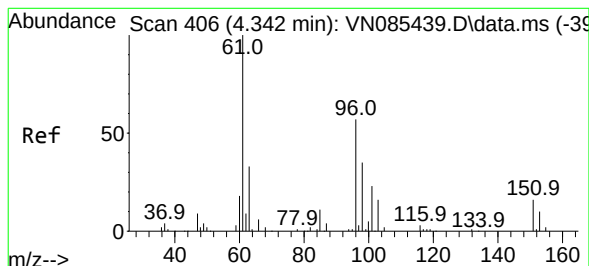
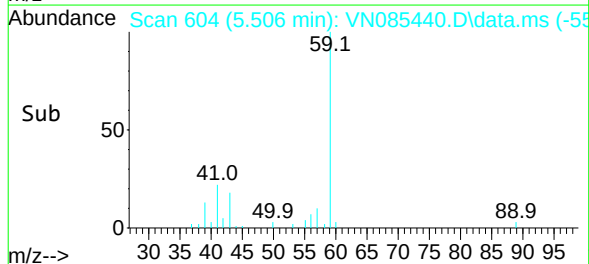
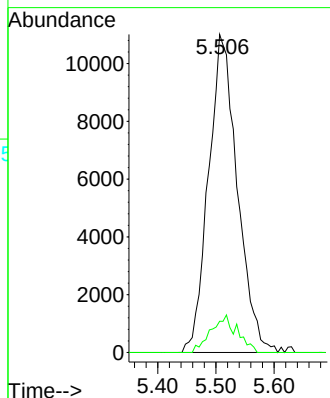
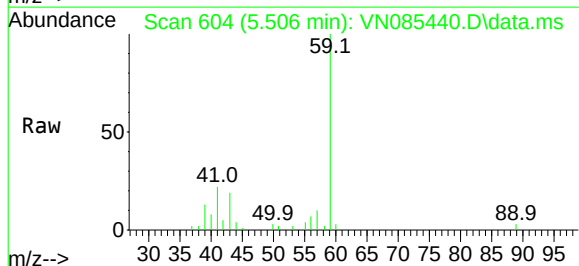
57 10.7 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#12

1,1-Dichloroethene

Concen: 20.728 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

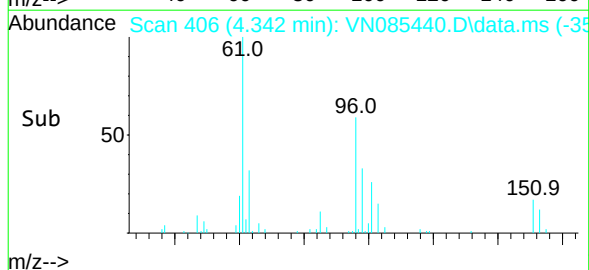
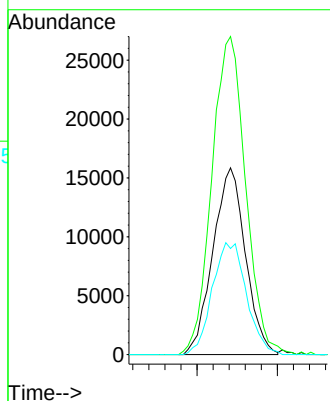
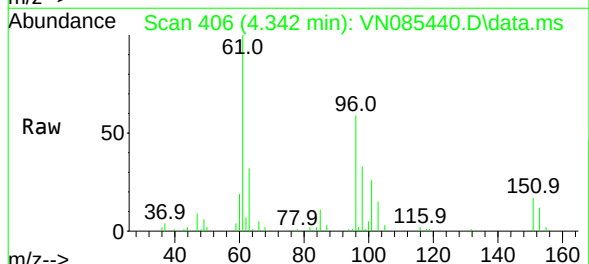
Tgt Ion: 96 Resp: 44670

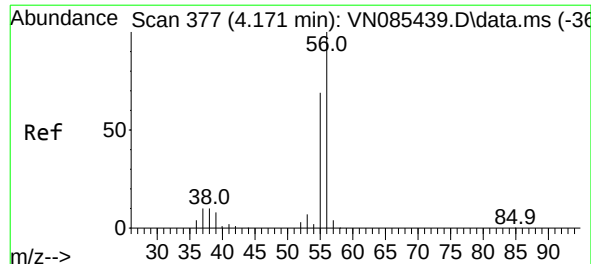
Ion Ratio Lower Upper

96 100

61 170.3 141.0 211.4

98 56.8 49.0 73.6





#13

Acrolein

Concen: 97.995 ug/l

RT: 4.171 min Scan# 37

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 49649

Ion Ratio Lower Upper

56 100

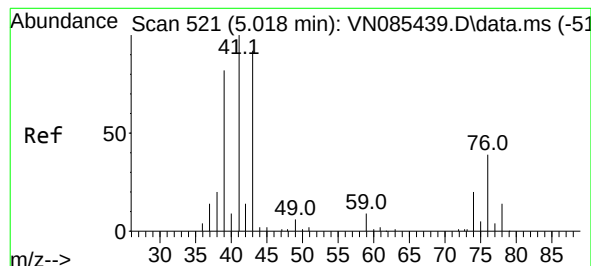
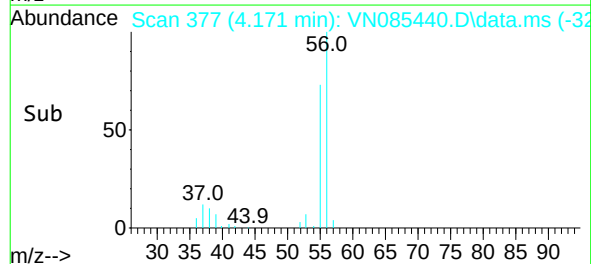
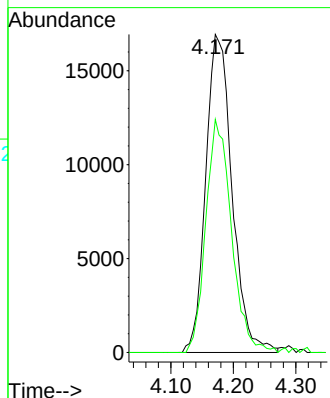
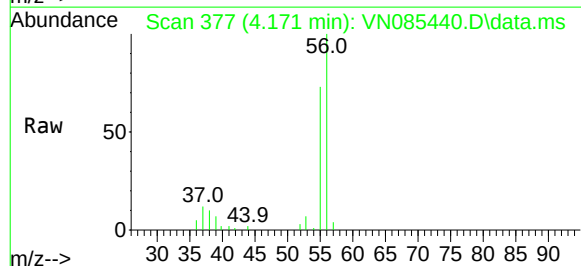
55 71.4 56.3 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#14

Allyl chloride

Concen: 19.362 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

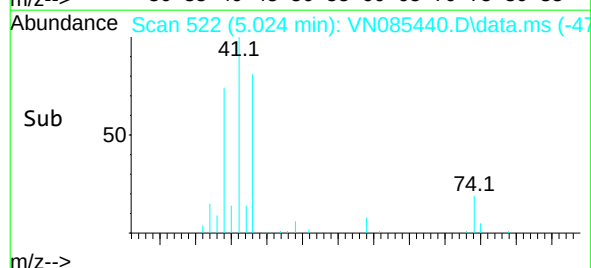
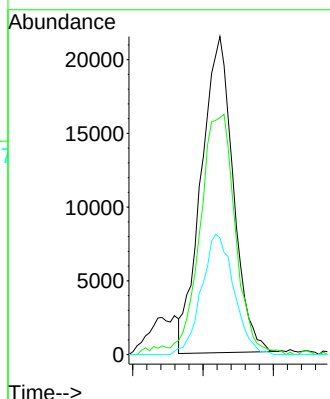
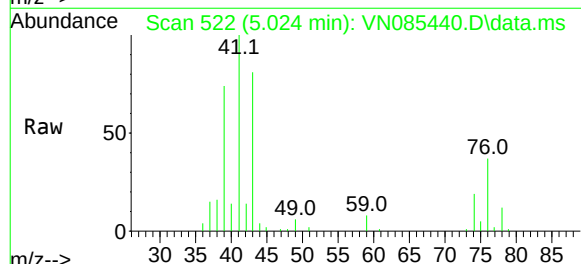
Tgt Ion: 41 Resp: 67705

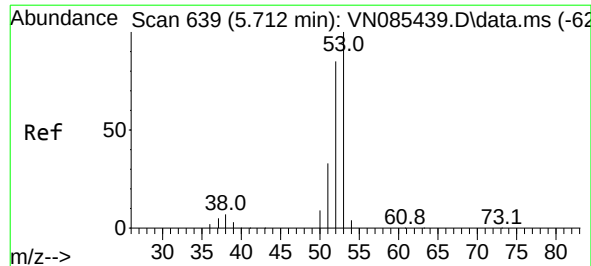
Ion Ratio Lower Upper

41 100

39 85.0 64.4 96.6

76 38.6 30.5 45.7





#15

Acrylonitrile

Concen: 103.171 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 53 Resp: 121626

Ion Ratio Lower Upper

53 100

52 81.1 65.5 98.3

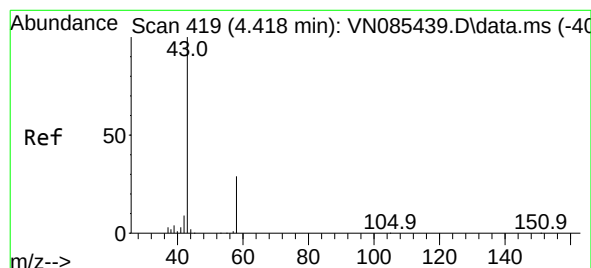
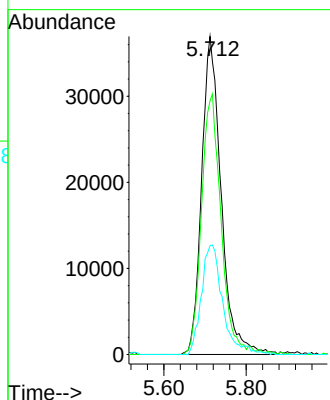
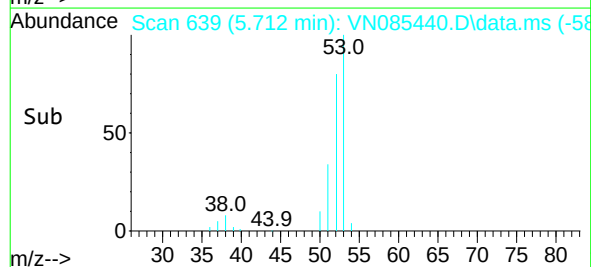
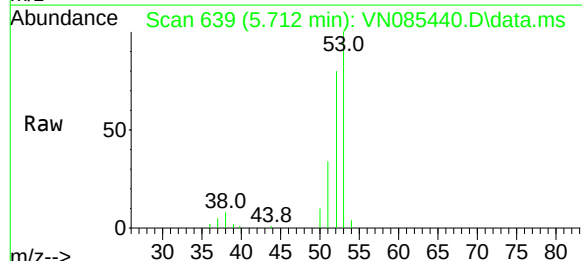
51 36.1 29.8 44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#16

Acetone

Concen: 96.502 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.006 min

Lab File: VN085440.D

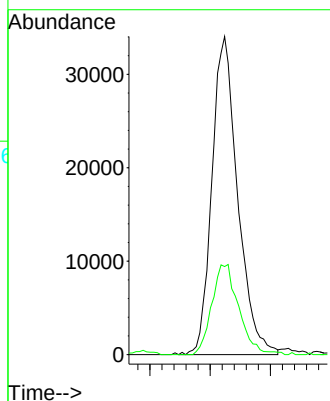
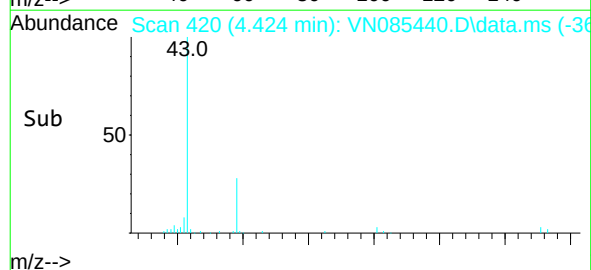
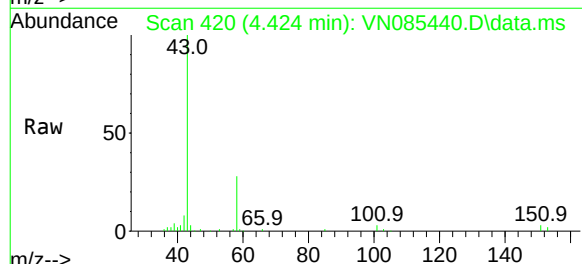
Acq: 14 Jan 2025 15:43

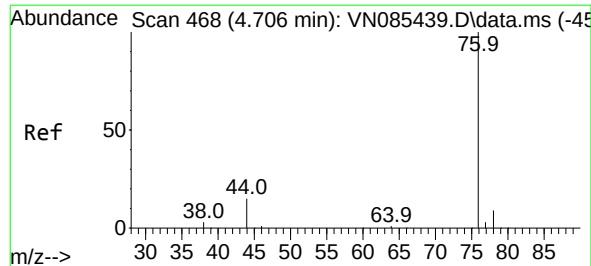
Tgt Ion: 43 Resp: 101065

Ion Ratio Lower Upper

43 100

58 27.7 23.8 35.6





#17

Carbon Disulfide

Concen: 19.939 ug/l

RT: 4.712 min Scan# 468

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 132300

Ion Ratio Lower Upper

76 100

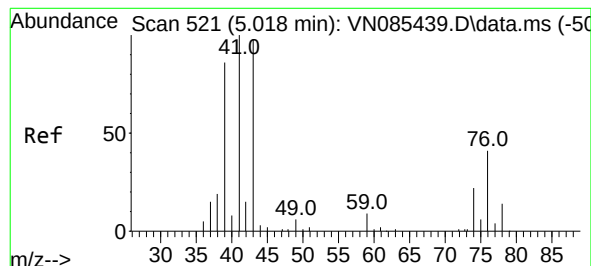
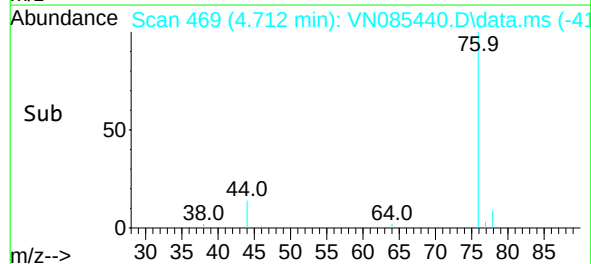
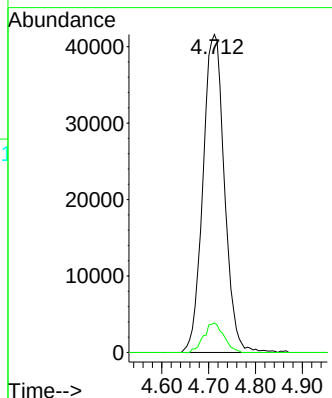
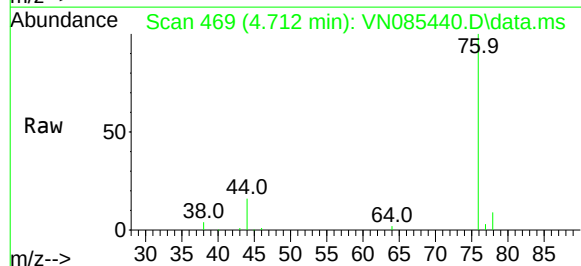
78 9.3 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#18

Methyl Acetate

Concen: 19.115 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN085440.D

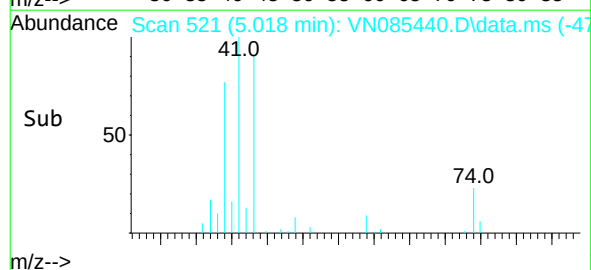
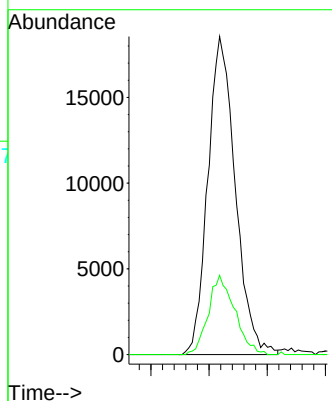
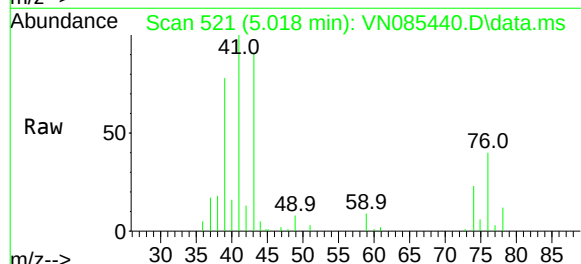
Acq: 14 Jan 2025 15:43

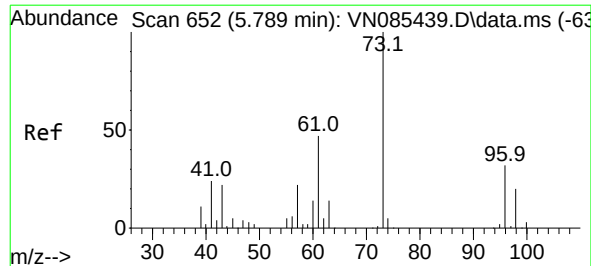
Tgt Ion: 43 Resp: 60873

Ion Ratio Lower Upper

43 100

74 24.0 18.6 28.0





#19

Methyl tert-butyl Ether

Concen: 21.272 ug/l

RT: 5.795 min Scan# 65

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 148847

Ion Ratio Lower Upper

73 100

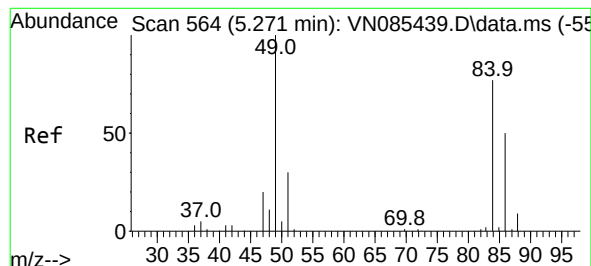
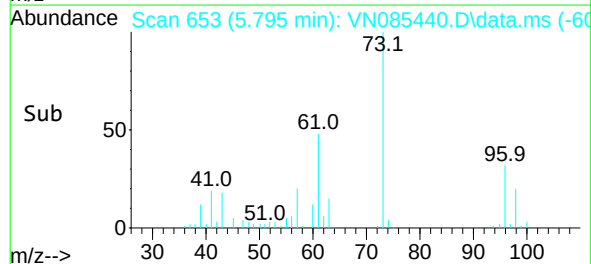
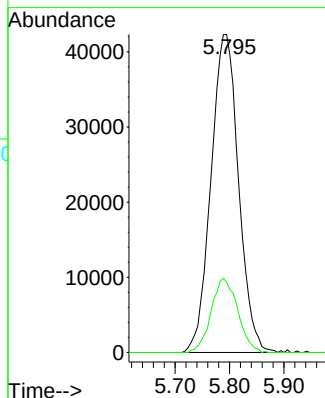
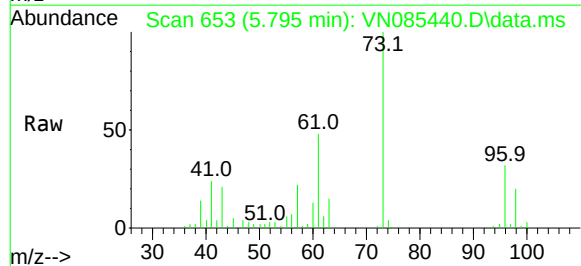
57 22.1 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#20

Methylene Chloride

Concen: 20.370 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion: 84 Resp: 52813

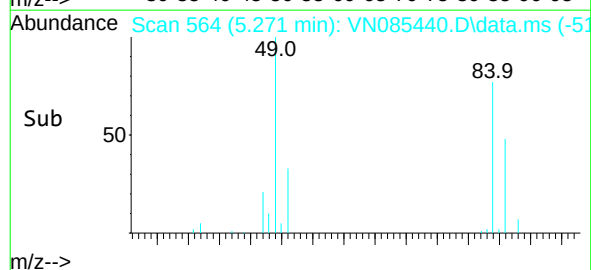
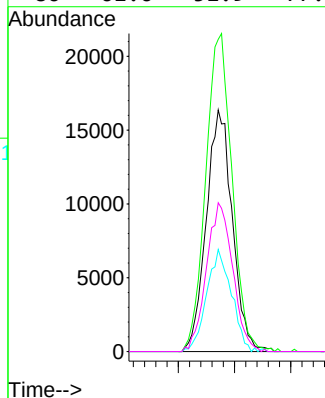
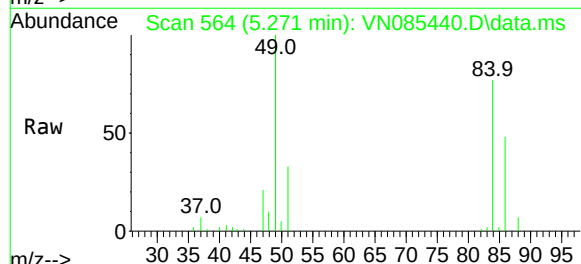
Ion Ratio Lower Upper

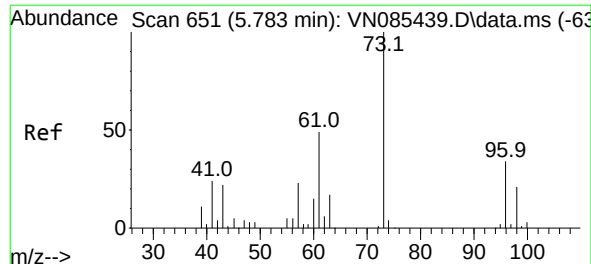
84 100

49 129.2 104.1 156.1

51 42.2 31.0 46.4

86 61.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 20.023 ug/l

RT: 5.789 min Scan# 651

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 46115

Ion Ratio Lower Upper

96 100

61 146.1 115.7 173.5

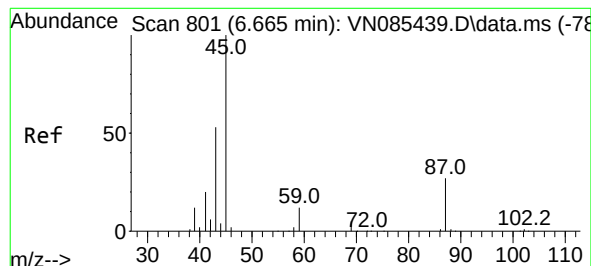
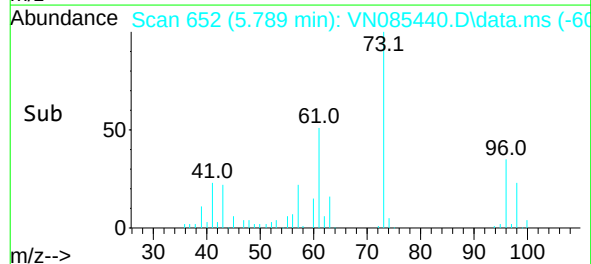
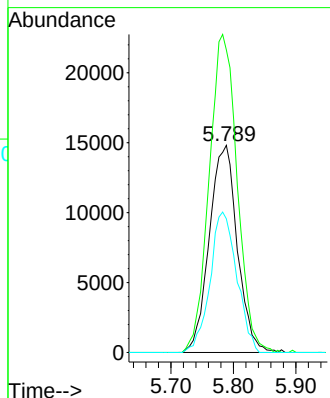
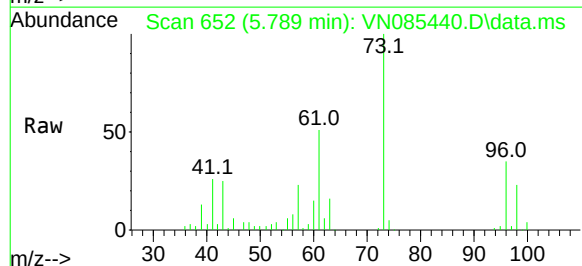
98 64.5 49.8 74.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#22

Diisopropyl ether

Concen: 21.480 ug/l

RT: 6.671 min Scan# 802

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion: 45 Resp: 166719

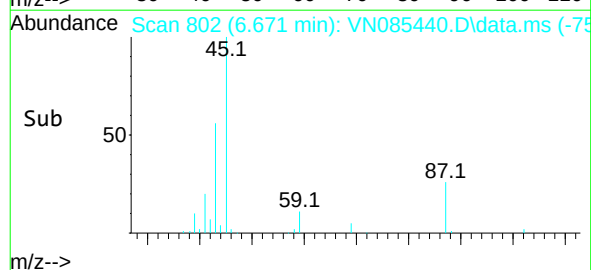
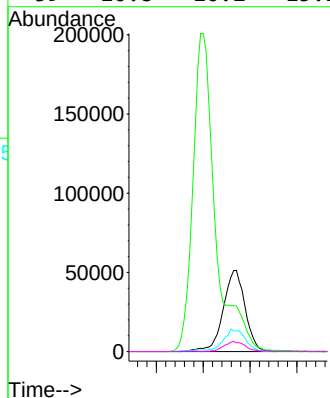
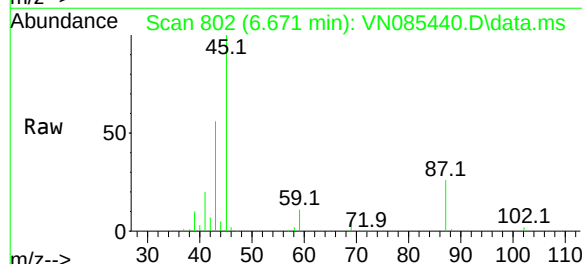
Ion Ratio Lower Upper

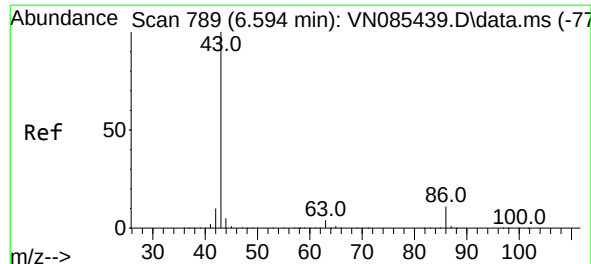
45 100

43 54.3 45.0 67.6

87 25.3 21.8 32.8

59 10.8 10.2 15.2





#23

Vinyl Acetate

Concen: 107.984 ug/l m

RT: 6.594 min Scan# 789

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion: 43 Resp: 588567

Ion Ratio Lower Upper

43 100

86 10.1 8.4 12.6

Instrument :

MSVOA_N

ClientSampleId :

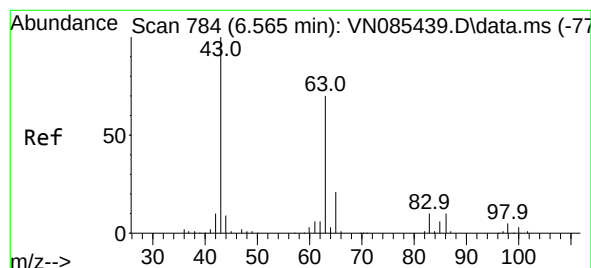
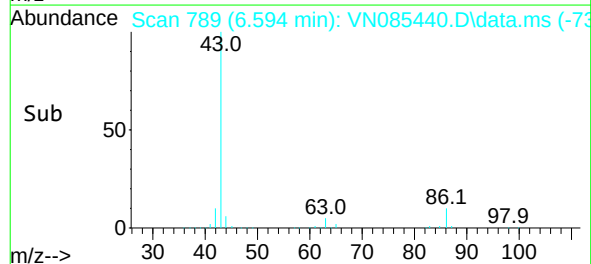
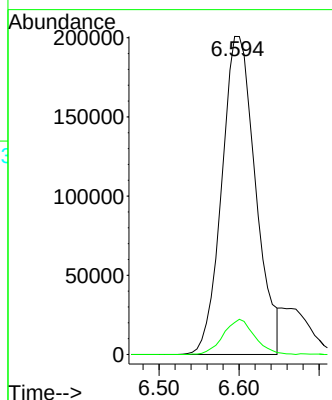
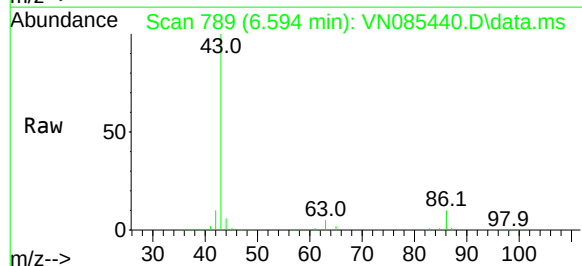
VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#24

1,1-Dichloroethane

Concen: 20.469 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

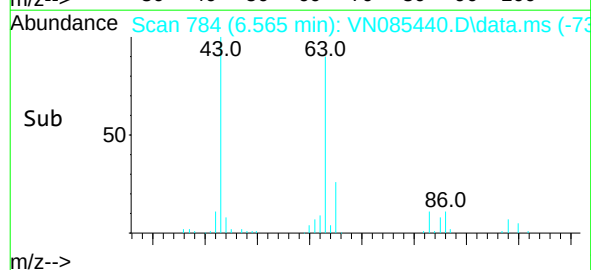
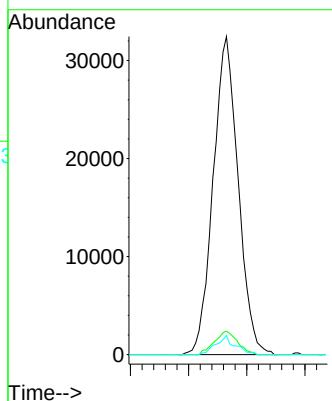
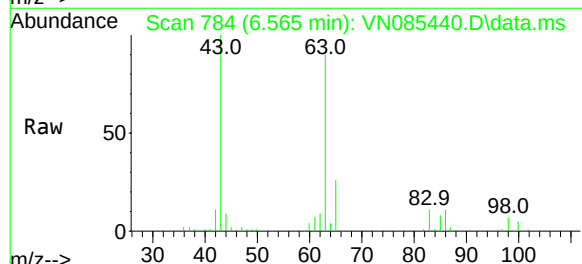
Tgt Ion: 63 Resp: 96875

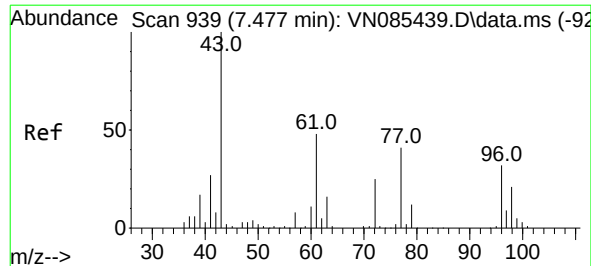
Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.8

100 6.0 2.0 6.0#





#25

2-Butanone

Concen: 103.786 ug/l

RT: 7.477 min Scan# 93

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion: 43 Resp: 159952

Ion Ratio Lower Upper

43 100

72 24.1 20.2 30.4

Instrument :

MSVOA_N

ClientSampleId :

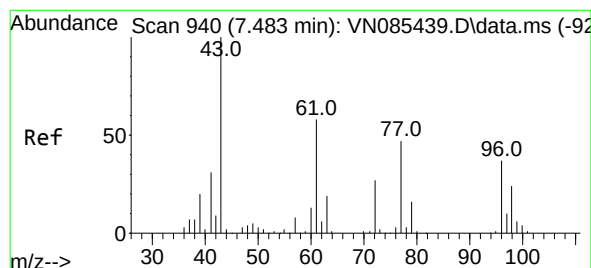
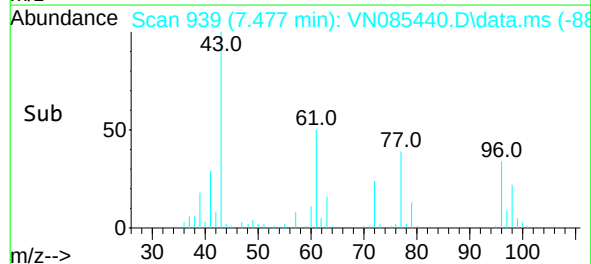
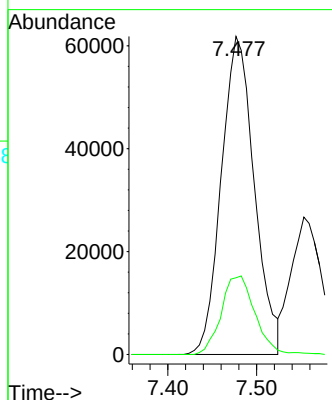
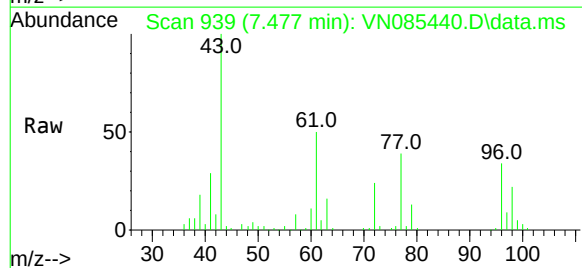
VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#26

2,2-Dichloropropane

Concen: 20.684 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN085440.D

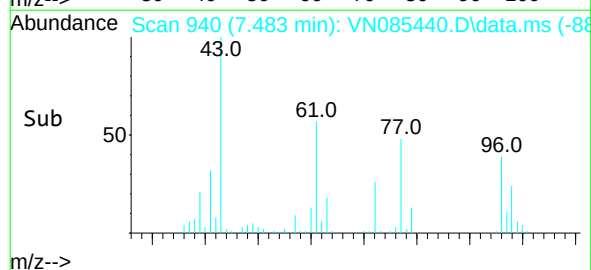
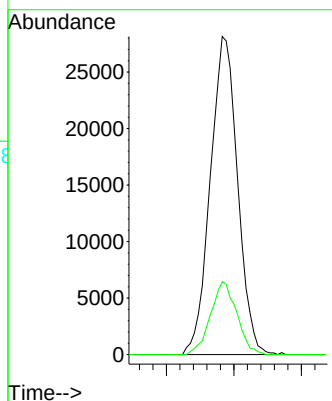
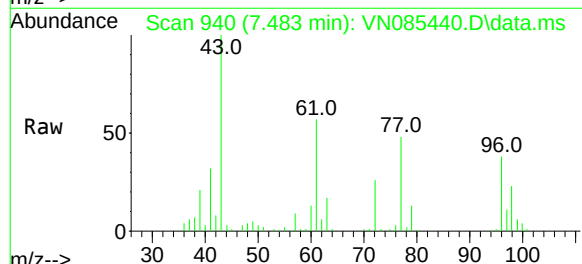
Acq: 14 Jan 2025 15:43

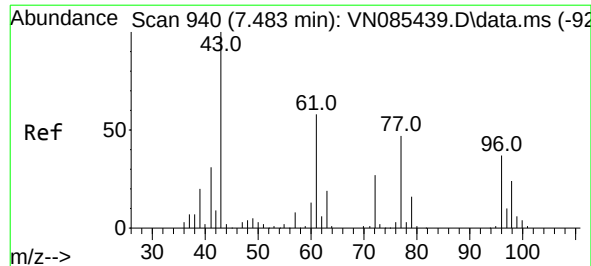
Tgt Ion: 77 Resp: 79145

Ion Ratio Lower Upper

77 100

97 22.0 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 21.180 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 57454

Ion Ratio Lower Upper

96 100

61 153.0 0.0 311.8

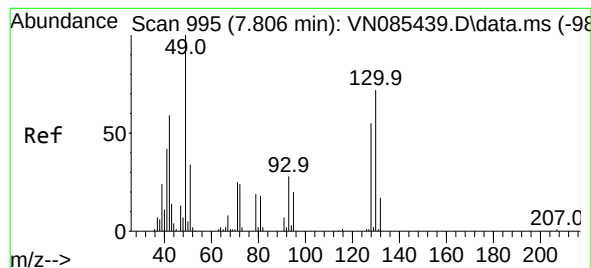
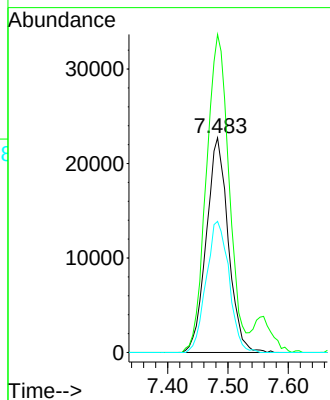
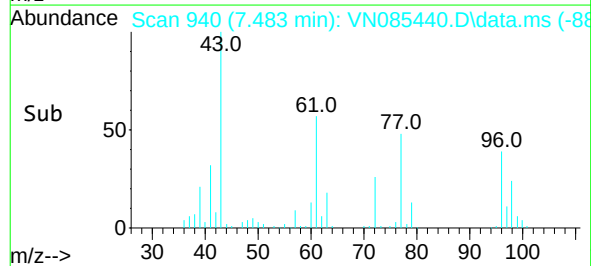
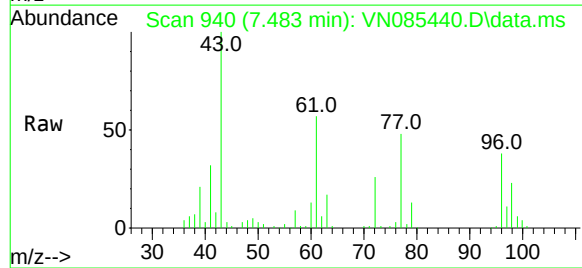
98 63.7 0.0 126.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#28

Bromochloromethane

Concen: 18.703 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

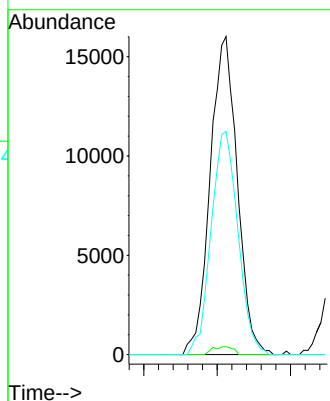
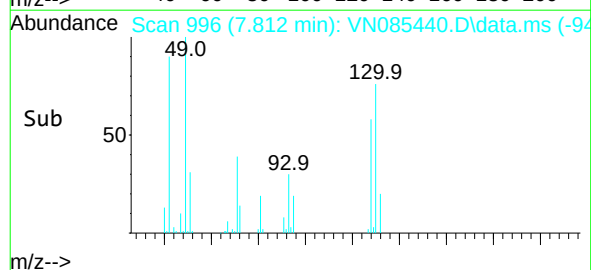
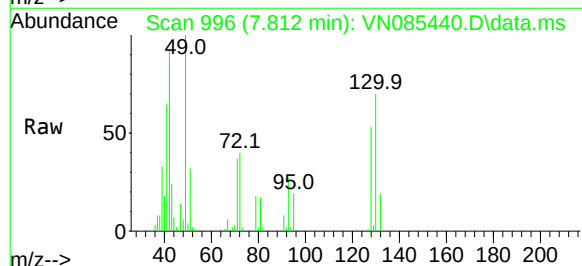
Tgt Ion: 49 Resp: 41181

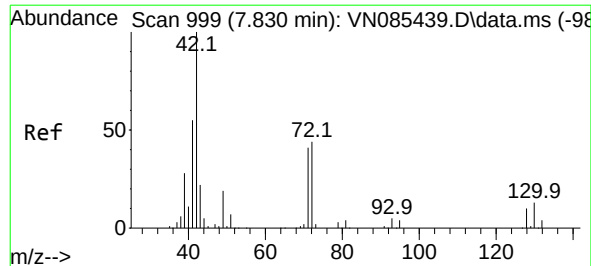
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

130 69.3 55.0 82.4





#29

Tetrahydrofuran

Concen: 107.247 ug/l

RT: 7.836 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 42 Resp: 104792

Ion Ratio Lower Upper

42 100

72 42.6 34.2 51.2

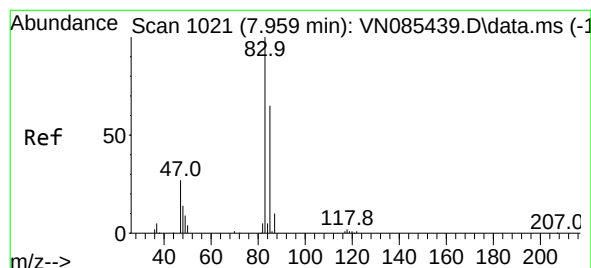
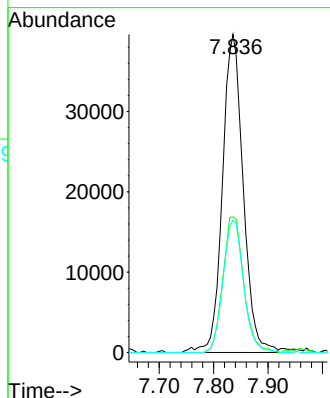
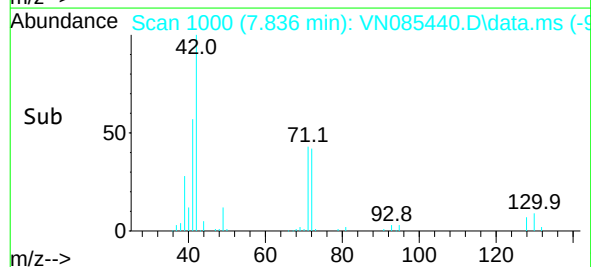
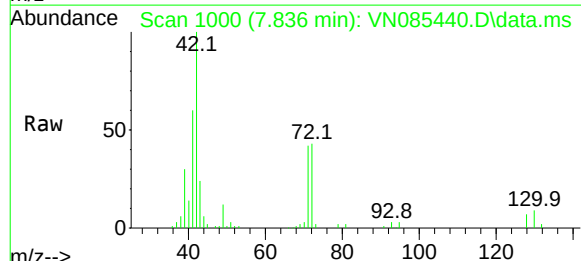
71 41.4 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#30

Chloroform

Concen: 20.374 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VN085440.D

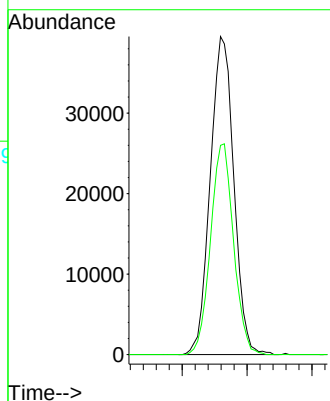
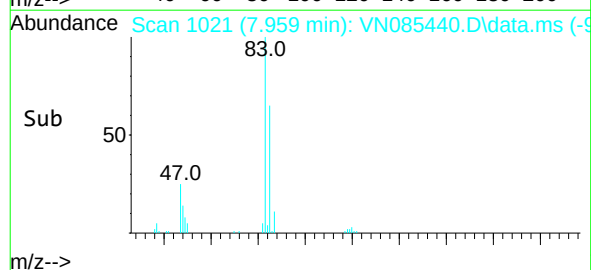
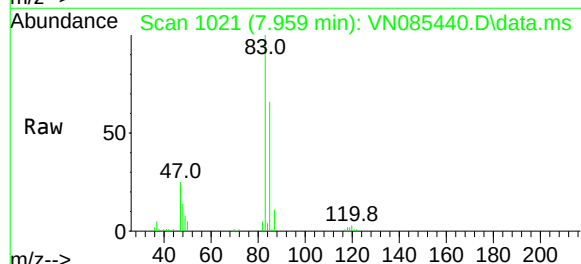
Acq: 14 Jan 2025 15:43

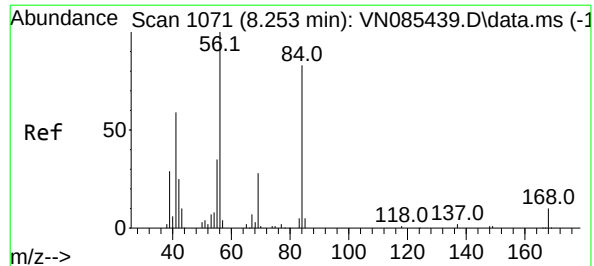
Tgt Ion: 83 Resp: 99655

Ion Ratio Lower Upper

83 100

85 65.8 51.8 77.6





#31

Cyclohexane

Concen: 20.173 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 82980

Ion Ratio Lower Upper

56 100

69 31.2 22.2 33.4

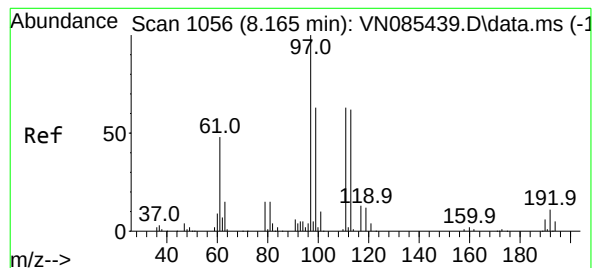
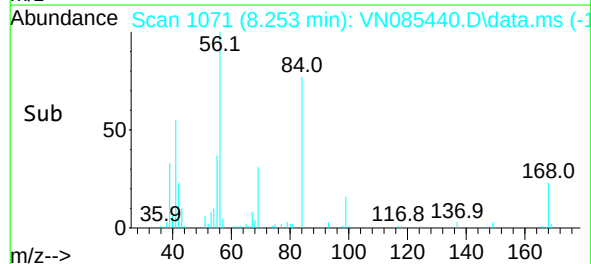
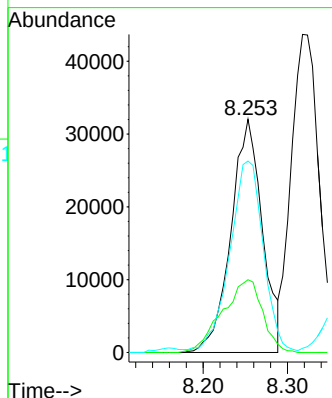
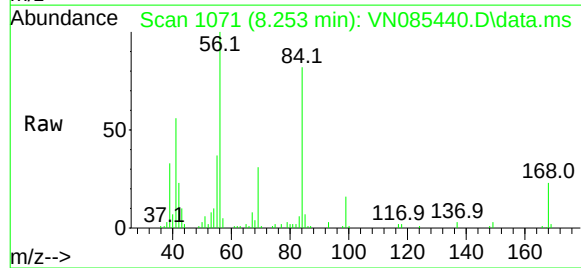
84 80.8 66.4 99.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#32

1,1,1-Trichloroethane

Concen: 20.431 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

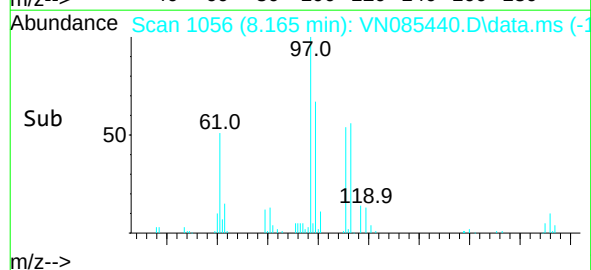
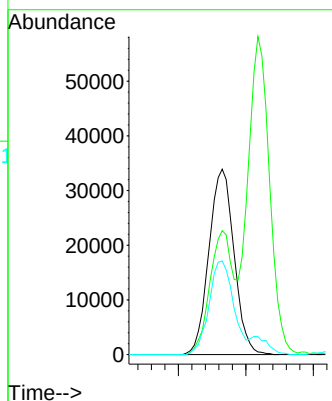
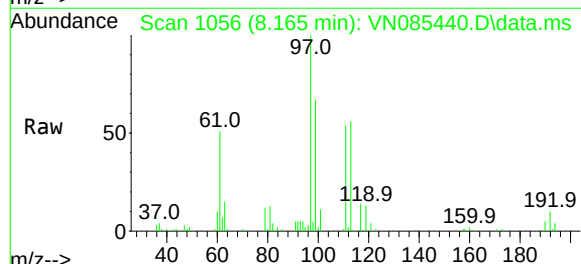
Tgt Ion: 97 Resp: 87659

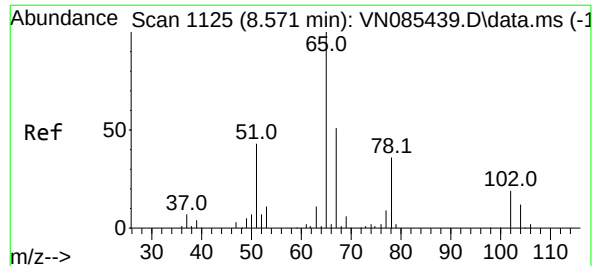
Ion Ratio Lower Upper

97 100

99 64.2 49.8 74.6

61 50.3 41.4 62.2





#33

1,2-Dichloroethane-d4

Concen: 18.694 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 60593

Ion Ratio Lower Upper

65 100

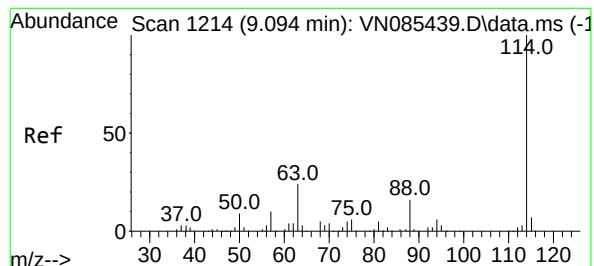
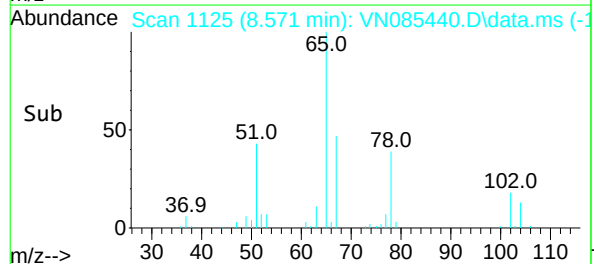
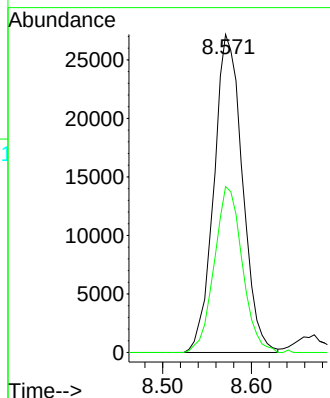
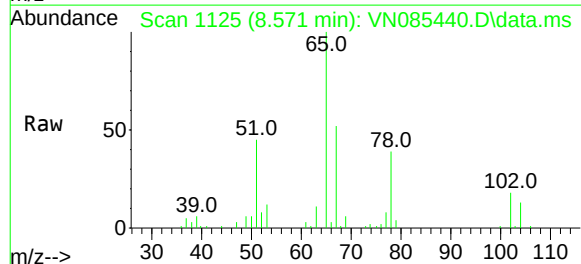
67 51.2 0.0 101.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

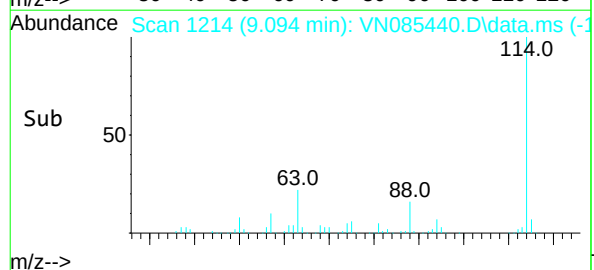
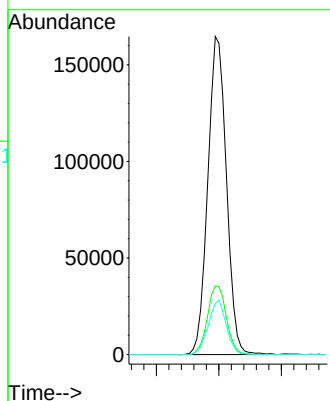
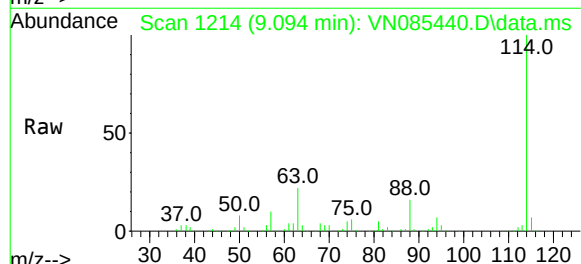
Tgt Ion:114 Resp: 340593

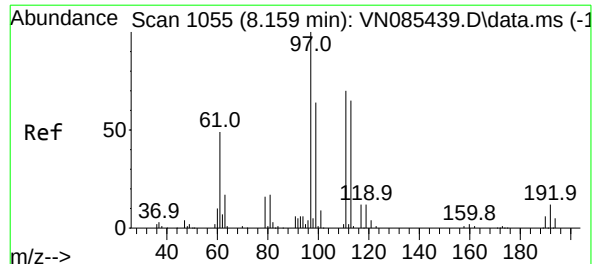
Ion Ratio Lower Upper

114 100

63 21.6 0.0 47.6

88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 19.322 ug/l

RT: 8.165 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 113 Resp: 45655

Ion Ratio Lower Upper

113 100

111 100.6 82.7 124.1

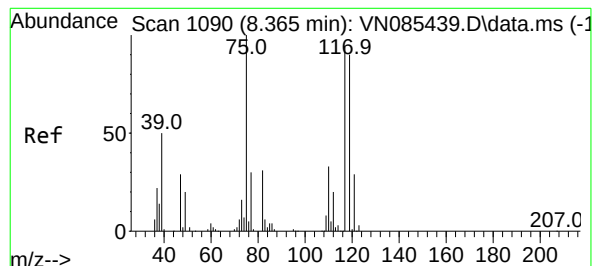
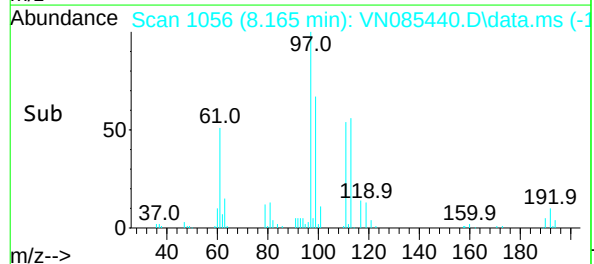
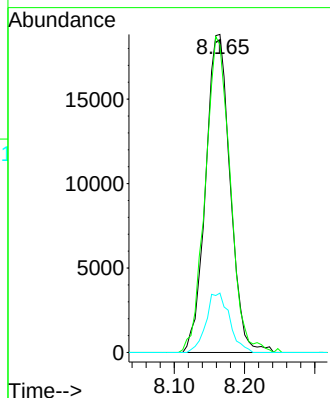
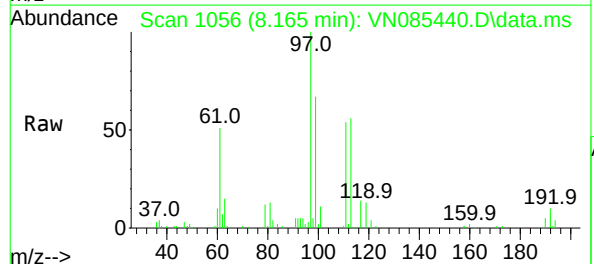
192 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By : John Carlone 01/15/2025

Supervised By : Mahesh Dadoda 01/15/2025



#36

1,1-Dichloropropene

Concen: 20.490 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

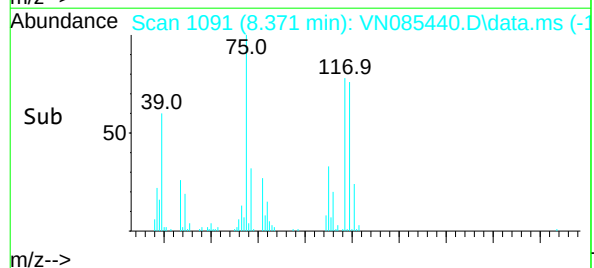
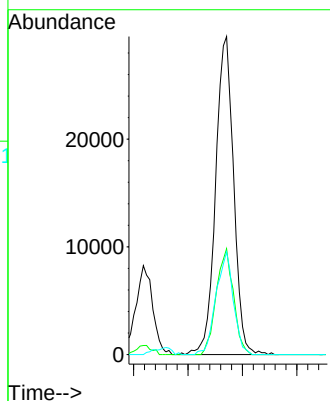
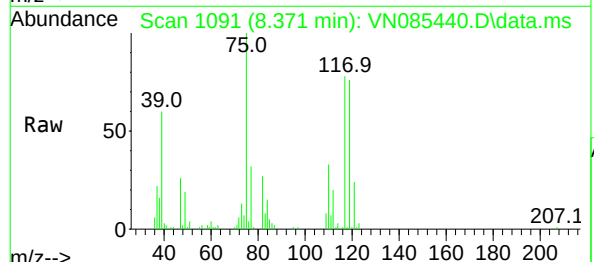
Tgt Ion: 75 Resp: 67949

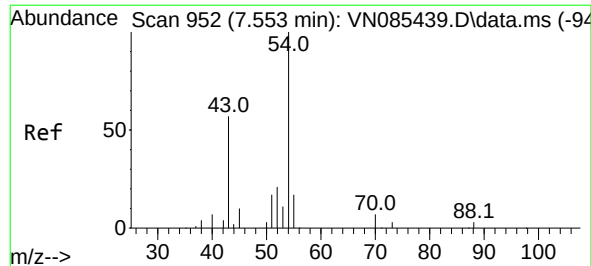
Ion Ratio Lower Upper

75 100

110 31.8 16.5 49.5

77 31.1 24.4 36.6





#37

Ethyl Acetate

Concen: 19.850 ug/l

RT: 7.553 min Scan# 952

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

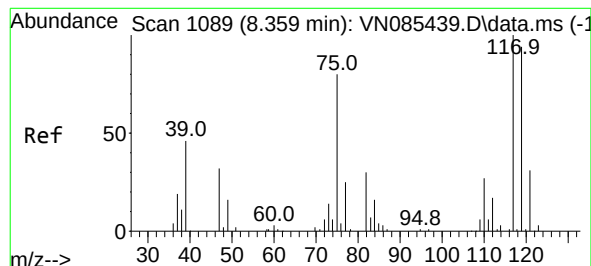
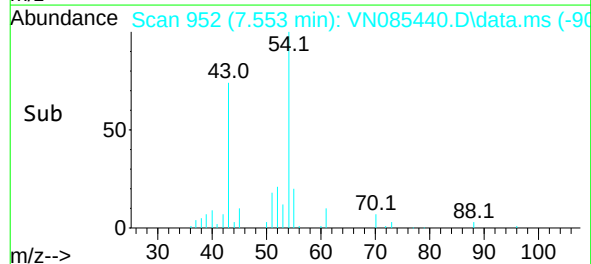
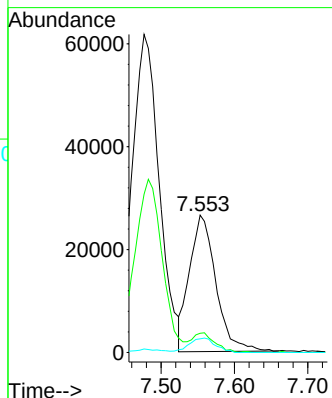
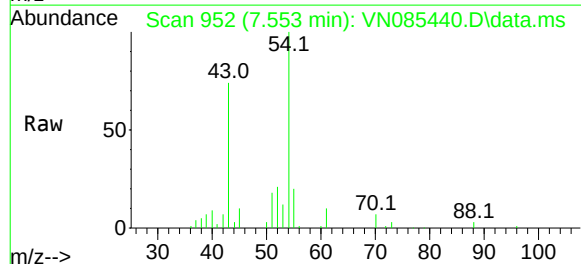
ClientSampleId :

VSTDICC020

Tgt Ion:	43	Resp:	66443
Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.9	16.3
70	10.6	7.5	11.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#38

Carbon Tetrachloride

Concen: 20.767 ug/l

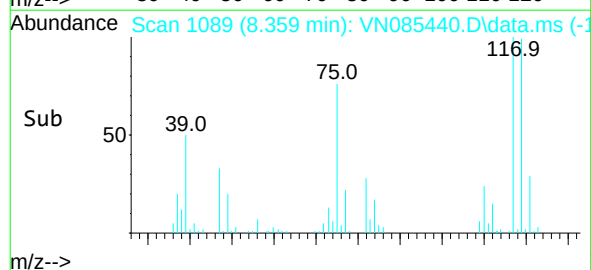
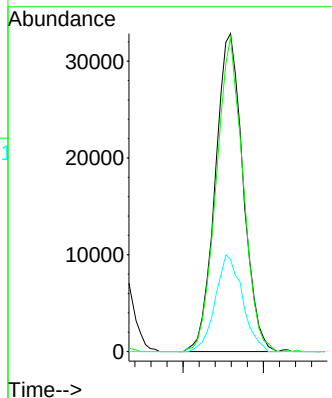
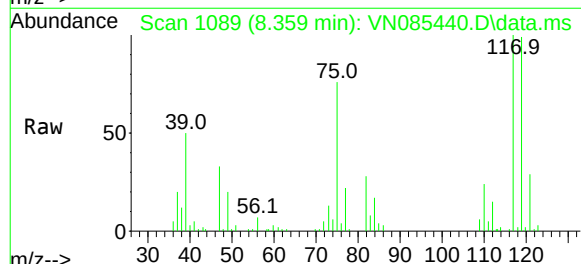
RT: 8.359 min Scan# 1089

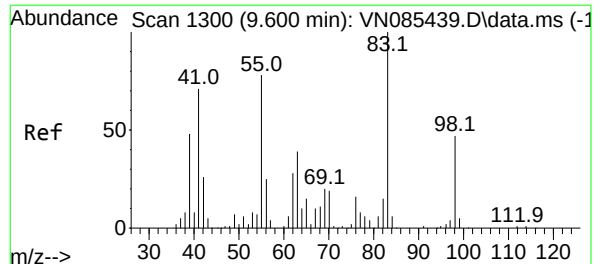
Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion:	117	Resp:	78842
Ion	Ratio	Lower	Upper
117	100		
119	98.9	75.4	113.2
121	28.9	24.6	37.0





#39

Methylcyclohexane

Concen: 20.862 ug/l

RT: 9.594 min Scan# 12

Delta R.T. -0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 65012

Ion Ratio Lower Upper

83 100

55 83.4 62.6 94.0

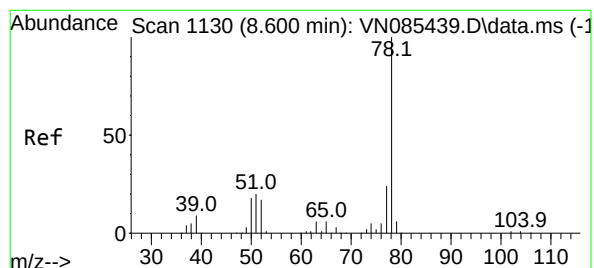
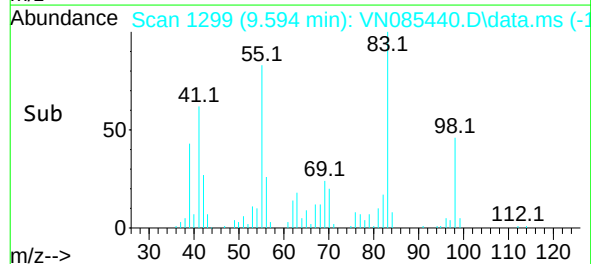
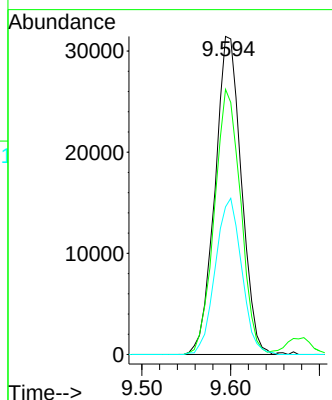
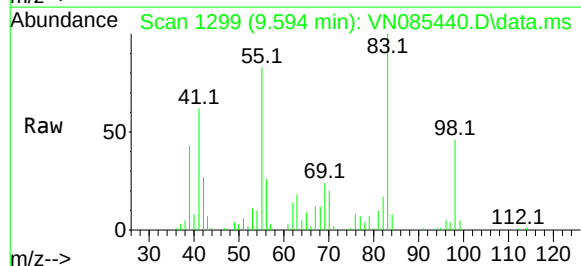
98 46.4 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#40

Benzene

Concen: 20.873 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085440.D

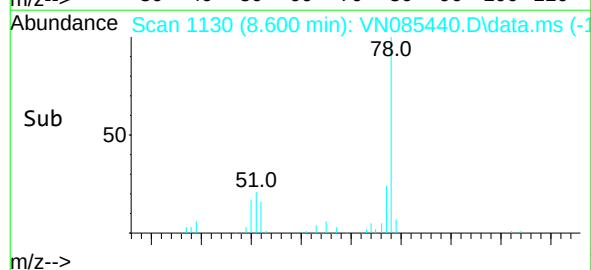
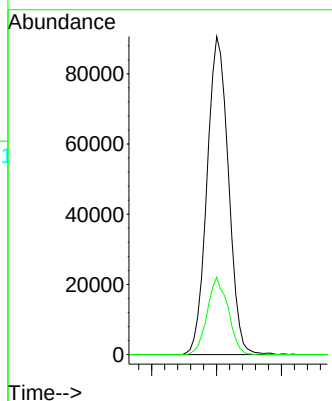
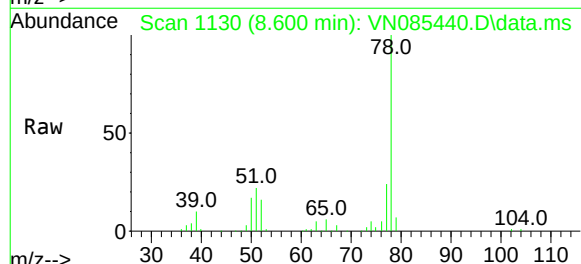
Acq: 14 Jan 2025 15:43

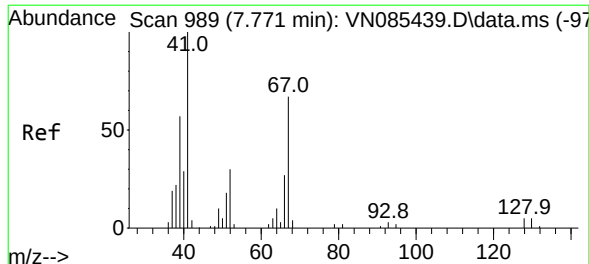
Tgt Ion: 78 Resp: 207985

Ion Ratio Lower Upper

78 100

77 24.4 19.0 28.6





#41

Methacrylonitrile

Concen: 21.004 ug/l

RT: 7.771 min Scan# 989

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 36578

Ion Ratio Lower Upper

41 100

39 56.6 46.0 69.0

67 70.3 57.4 86.2

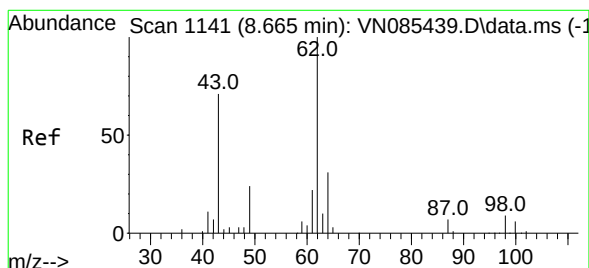
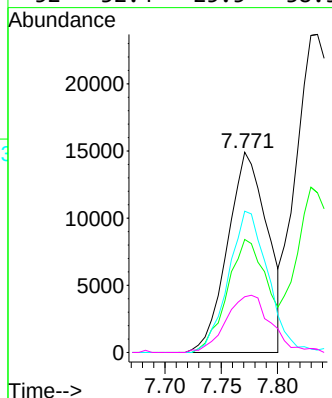
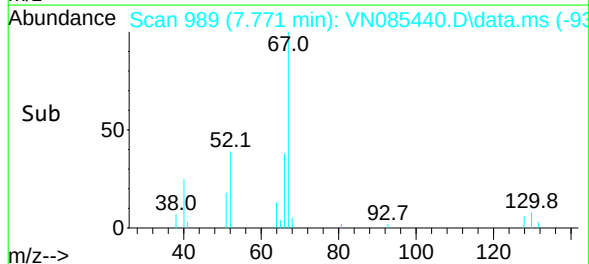
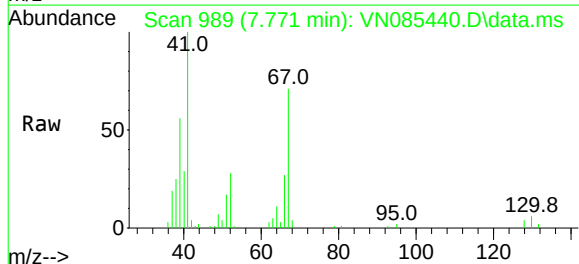
52 32.4 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#42

1,2-Dichloroethane

Concen: 20.891 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VN085440.D

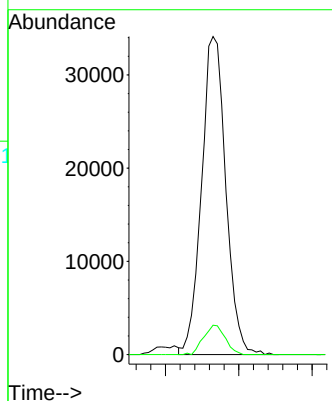
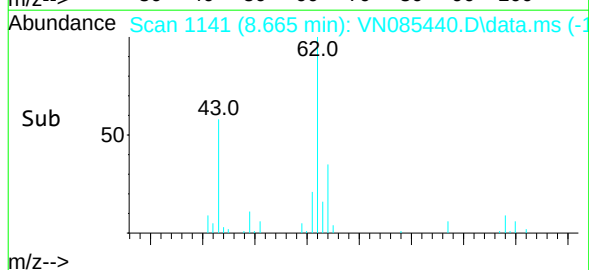
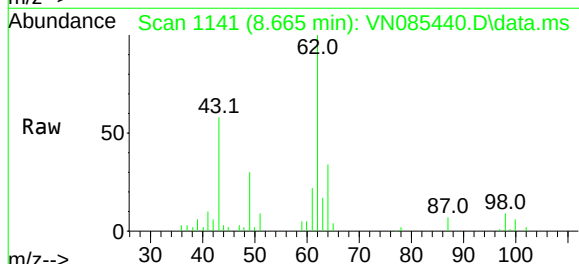
Acq: 14 Jan 2025 15:43

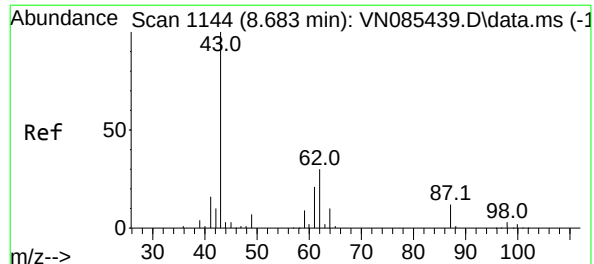
Tgt Ion: 62 Resp: 78402

Ion Ratio Lower Upper

62 100

98 8.3 0.0 17.0





#43

Isopropyl Acetate

Concen: 20.347 ug/l

RT: 8.683 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

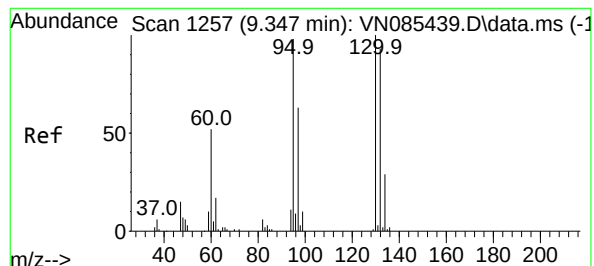
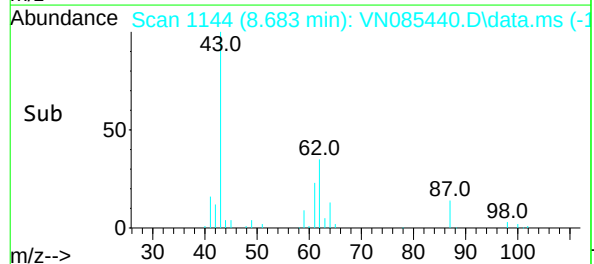
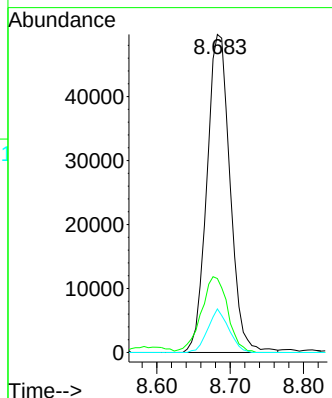
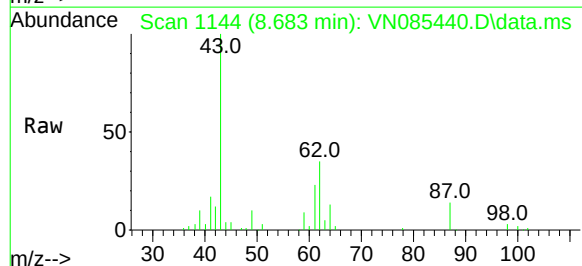
ClientSampleId :

VSTDIC020

Tgt Ion:	43	Resp:	109131
Ion	Ratio	Lower	Upper
43	100		
61	27.2	20.7	31.1
87	12.3	9.8	14.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#44

Trichloroethene

Concen: 20.699 ug/l

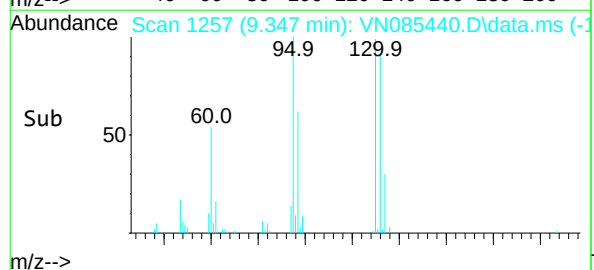
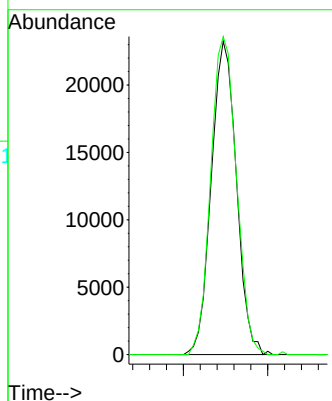
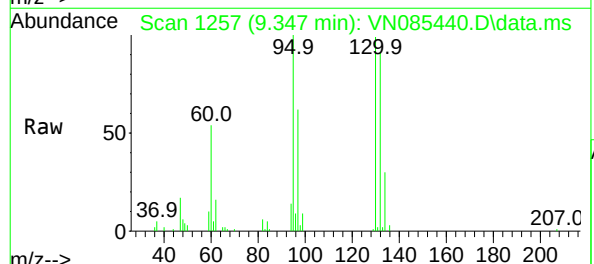
RT: 9.347 min Scan# 1257

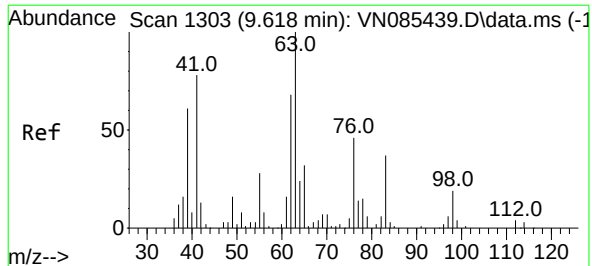
Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion:	130	Resp:	48009
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	195.8





#45

1,2-Dichloropropane

Concen: 20.758 ug/l

RT: 9.618 min Scan# 13

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 52833

Ion Ratio Lower Upper

63 100

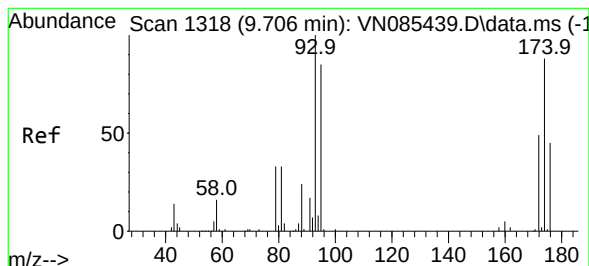
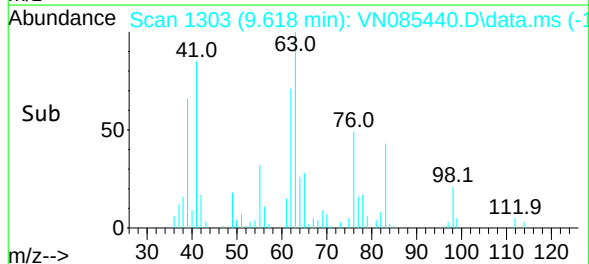
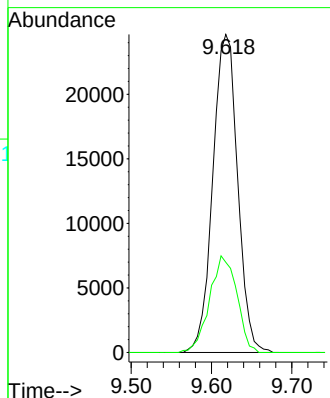
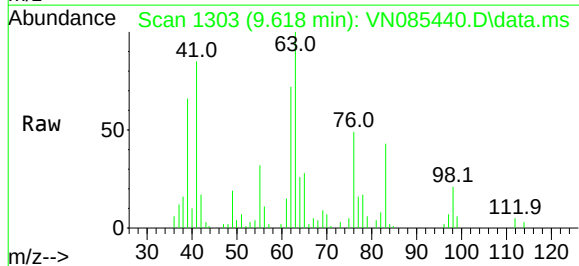
65 28.3 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#46

Dibromomethane

Concen: 20.540 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. -0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

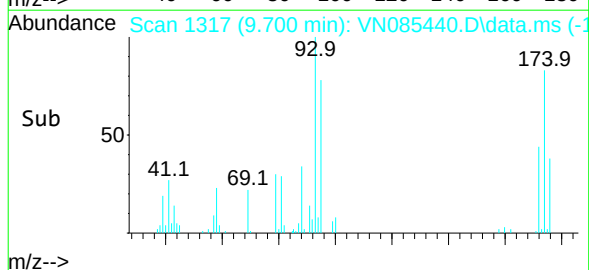
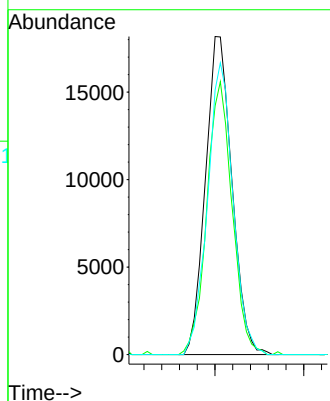
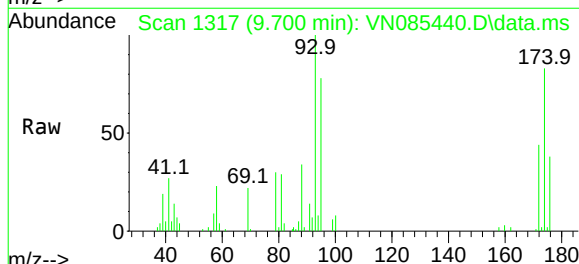
Tgt Ion: 93 Resp: 37721

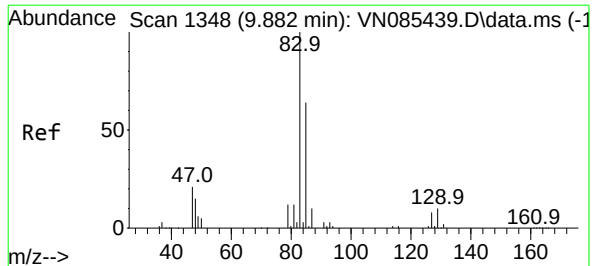
Ion Ratio Lower Upper

93 100

95 82.0 64.7 97.1

174 88.4 69.0 103.4





#47

Bromodichloromethane

Concen: 21.093 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

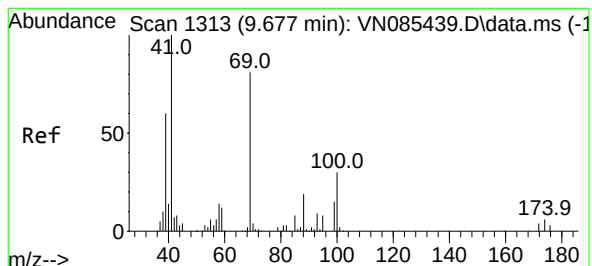
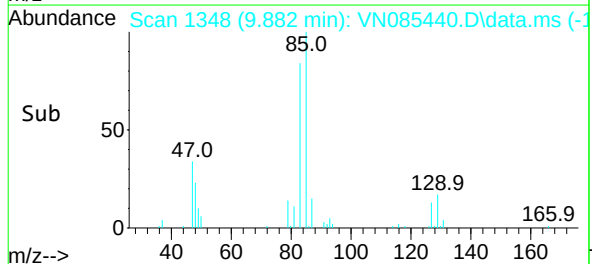
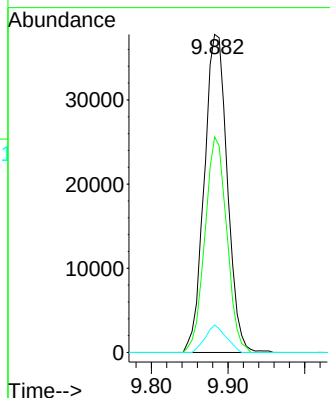
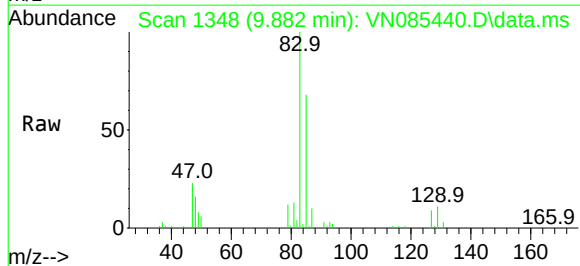
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	78918
Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.2	76.8
127	8.6	6.5	9.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#48

Methyl methacrylate

Concen: 20.808 ug/l

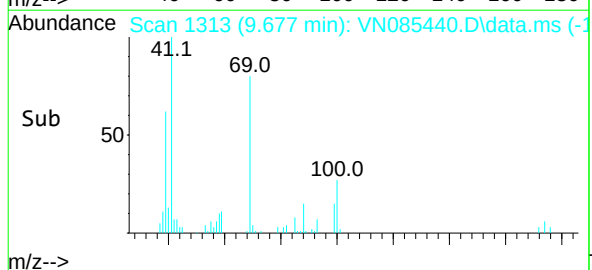
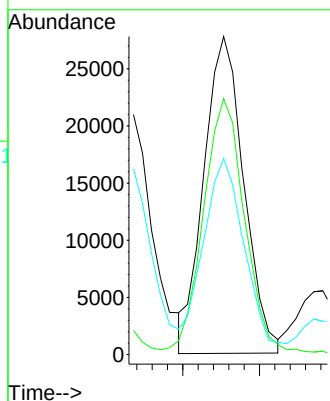
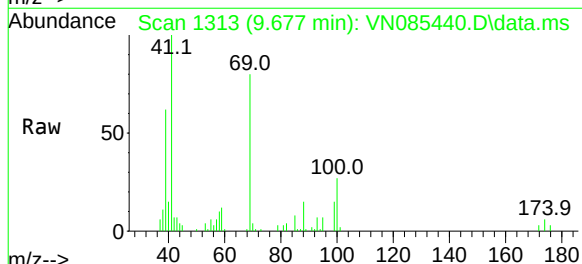
RT: 9.677 min Scan# 1313

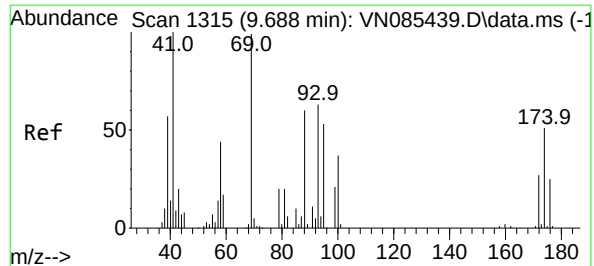
Delta R.T. -0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion:	41	Resp:	50224
Ion	Ratio	Lower	Upper
41	100		
69	84.3	64.7	97.1
39	64.2	49.0	73.6





#49

1,4-Dioxane

Concen: 421.686 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 17140

Ion Ratio Lower Upper

88 100

43 34.9 26.6 39.8

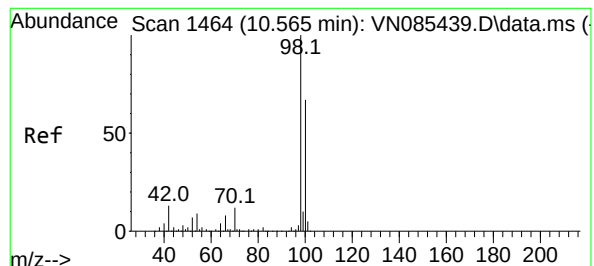
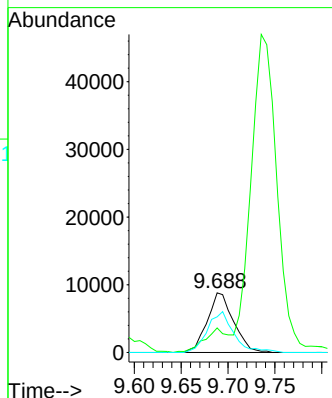
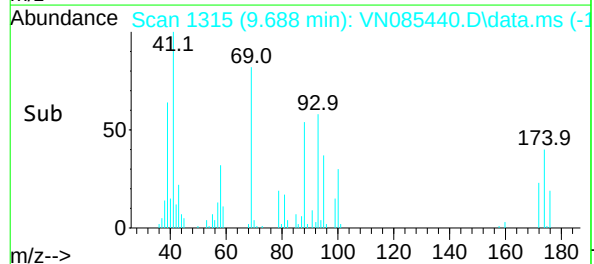
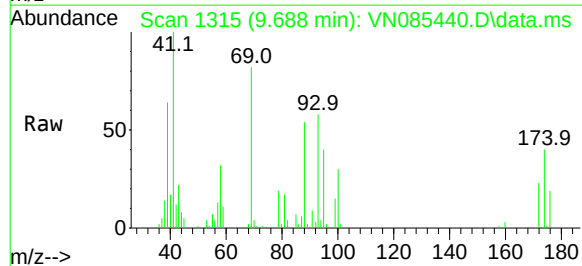
58 69.0 59.5 89.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#50

Toluene-d8

Concen: 19.581 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. -0.006 min

Lab File: VN085440.D

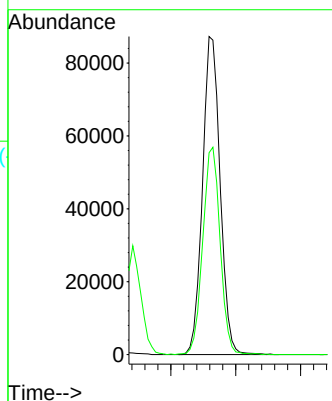
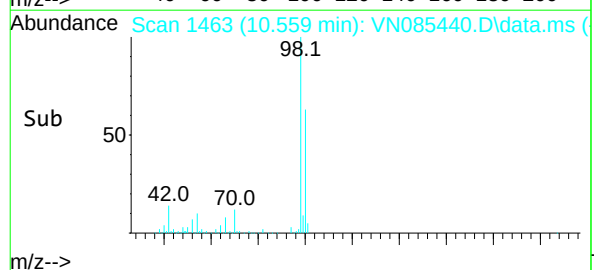
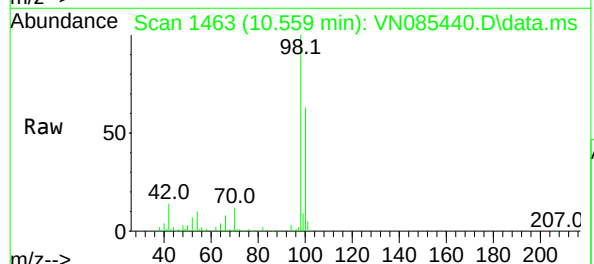
Acq: 14 Jan 2025 15:43

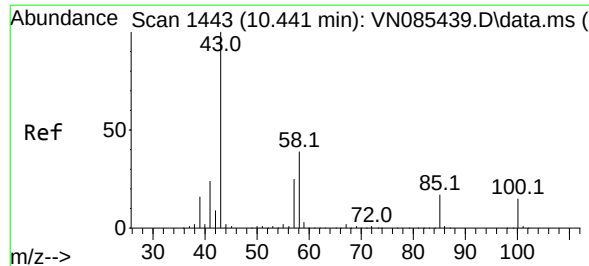
Tgt Ion: 98 Resp: 164391

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4





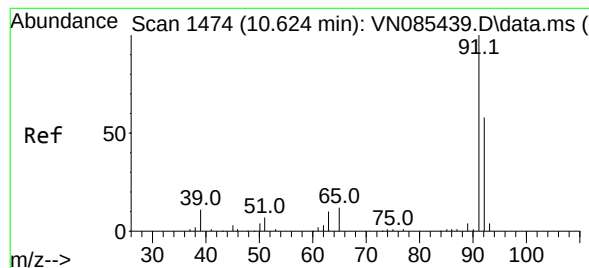
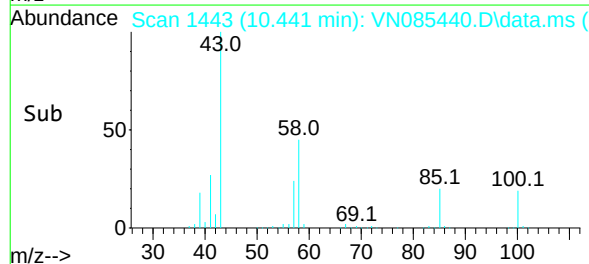
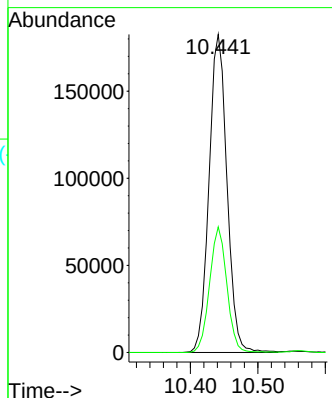
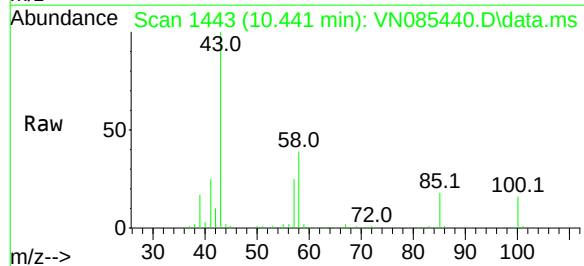
#51
4-Methyl-2-Pentanone
Concen: 108.249 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 336911
Ion Ratio Lower Upper
43 100
58 38.1 30.5 45.7

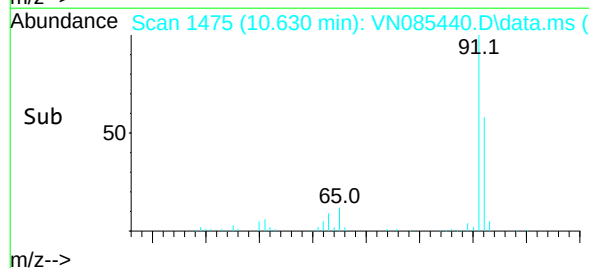
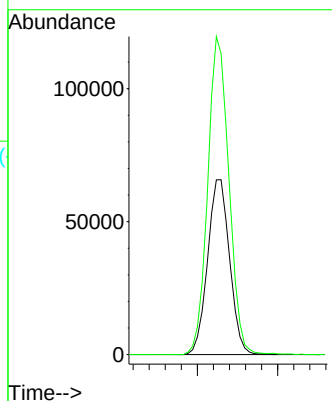
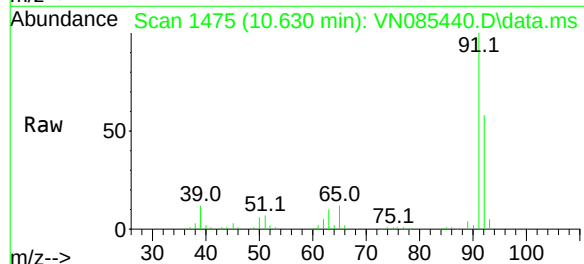
Manual Integrations
APPROVED

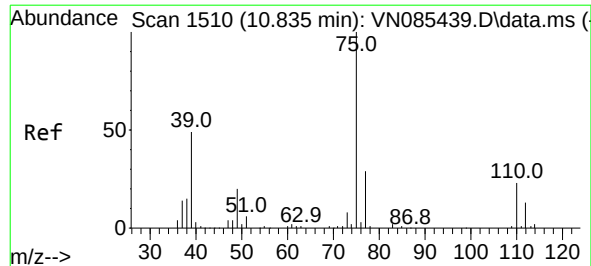
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#52
Toluene
Concen: 21.680 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.005 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 92 Resp: 125172
Ion Ratio Lower Upper
92 100
91 175.1 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 20.965 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 74129

Ion Ratio Lower Upper

75 100

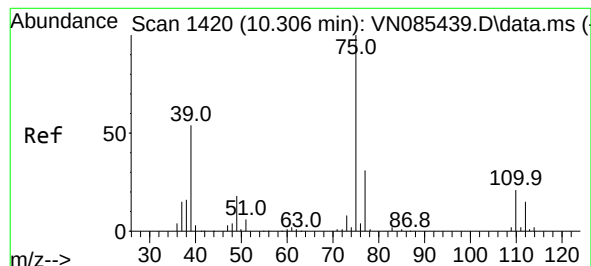
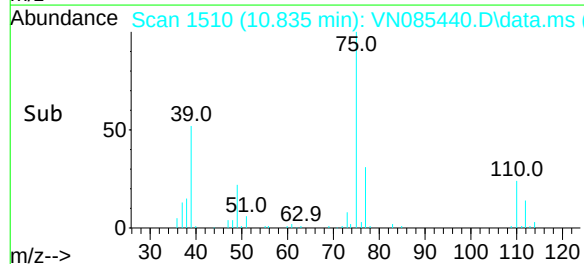
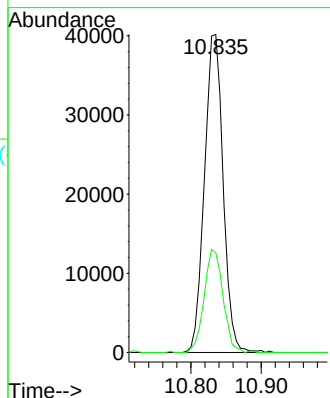
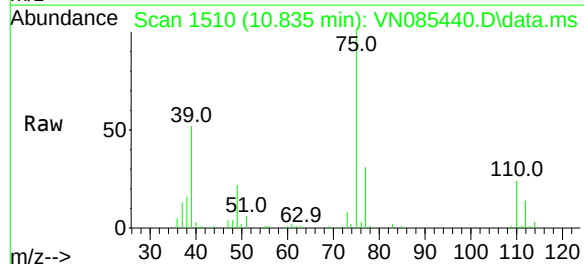
77 31.4 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#54

cis-1,3-Dichloropropene

Concen: 21.684 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. -0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

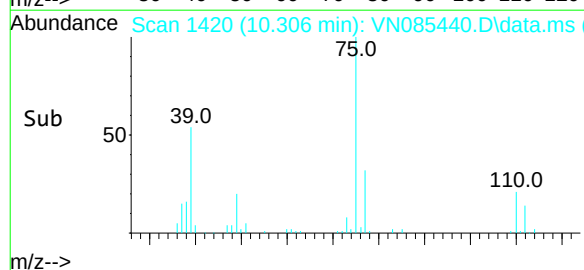
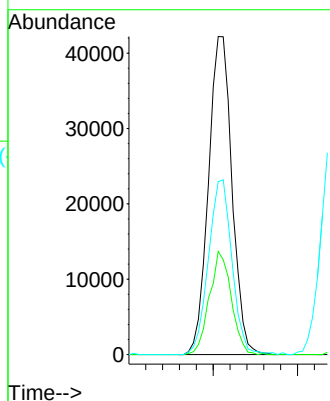
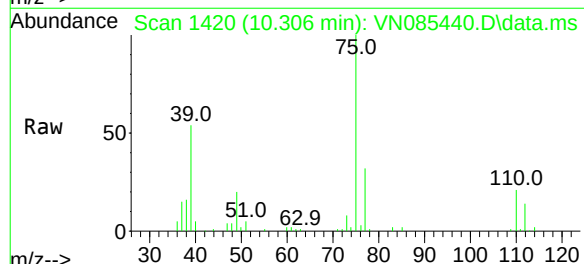
Tgt Ion: 75 Resp: 81897

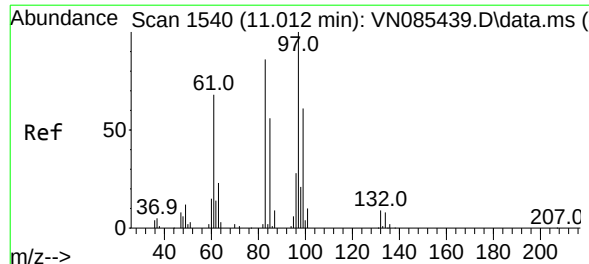
Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.4

39 54.4 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 21.025 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 48039

Ion Ratio Lower Upper

97 100

83 84.1 69.0 103.6

85 54.6 44.6 66.8

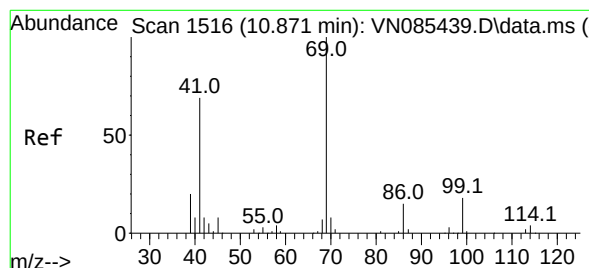
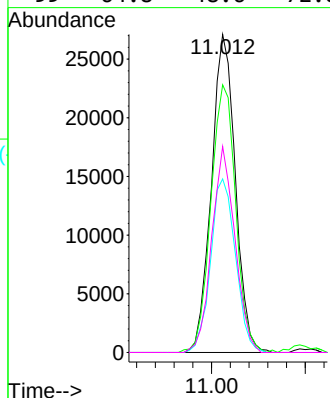
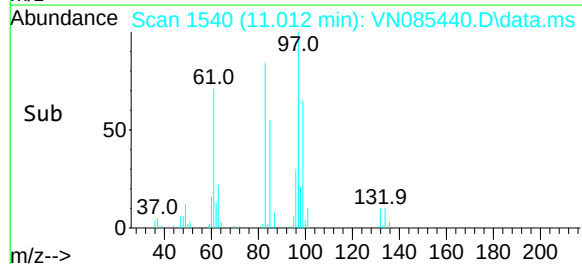
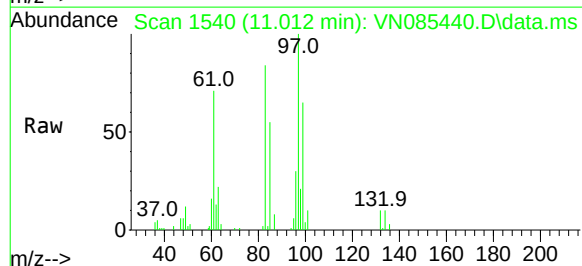
99 64.8 48.6 72.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#56

Ethyl methacrylate

Concen: 19.649 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

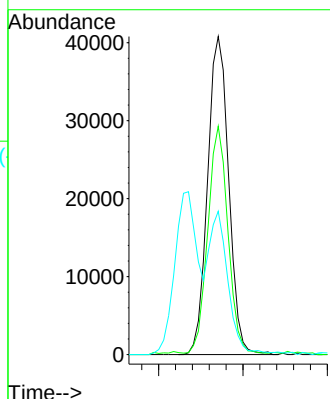
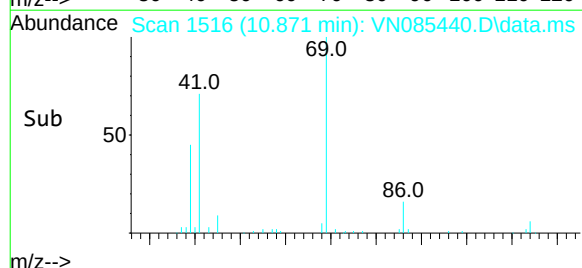
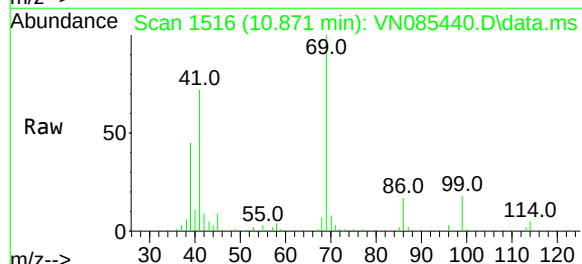
Tgt Ion: 69 Resp: 70934

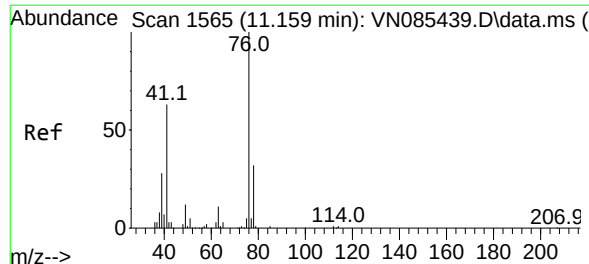
Ion Ratio Lower Upper

69 100

41 67.6 54.6 82.0

39 41.7 32.4 48.6





#57

1,3-Dichloropropane

Concen: 21.196 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion: 76 Resp: 84210

Ion Ratio Lower Upper

76 100

78 32.7 25.6 38.4

Instrument :

MSVOA_N

ClientSampleId :

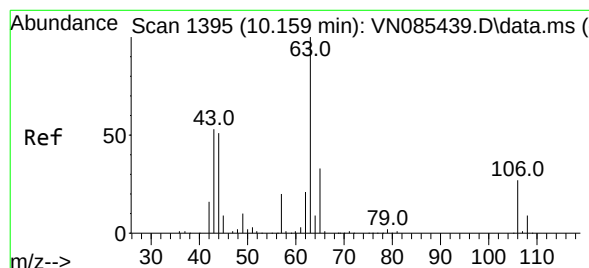
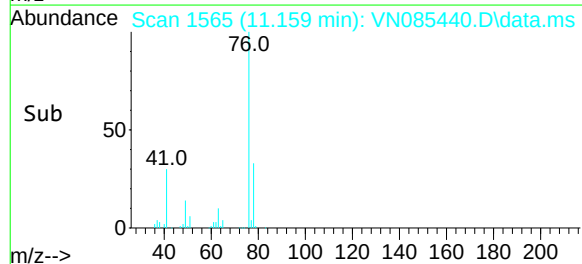
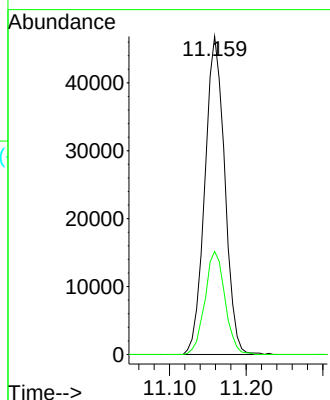
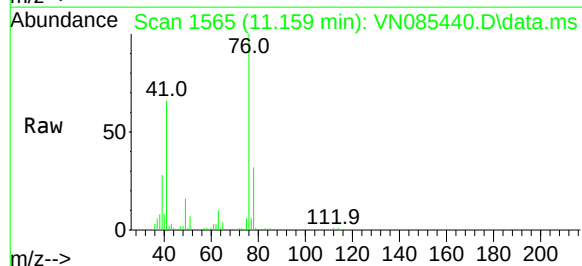
VSTDIC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#58

2-Chloroethyl Vinyl ether

Concen: 105.991 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085440.D

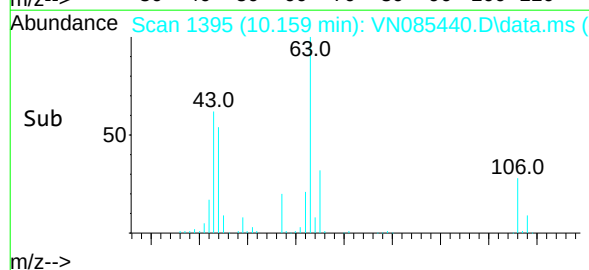
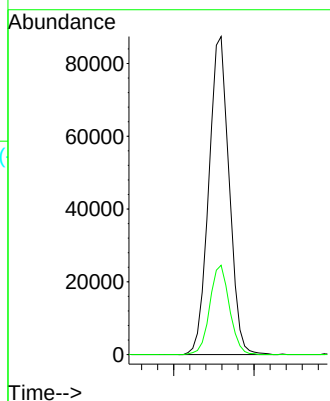
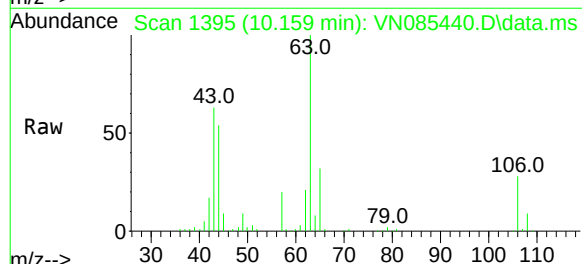
Acq: 14 Jan 2025 15:43

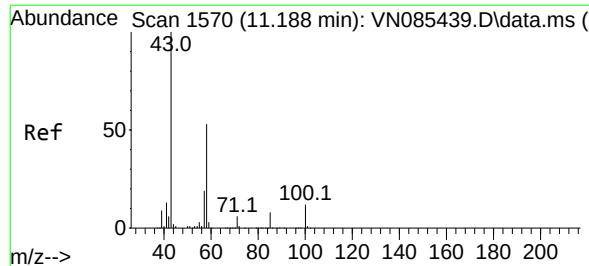
Tgt Ion: 63 Resp: 153681

Ion Ratio Lower Upper

63 100

106 27.2 21.6 32.4





#59

2-Hexanone

Concen: 109.863 ug/l

RT: 11.194 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 240595

Ion Ratio Lower Upper

43 100

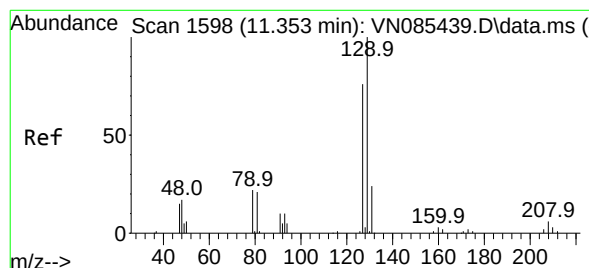
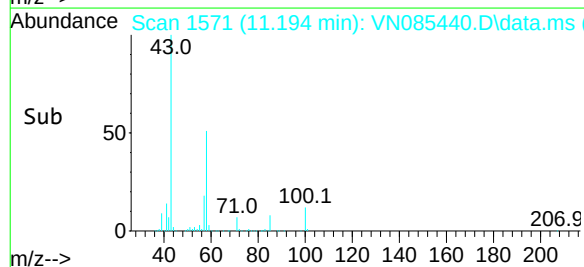
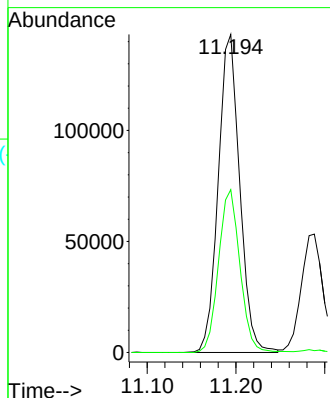
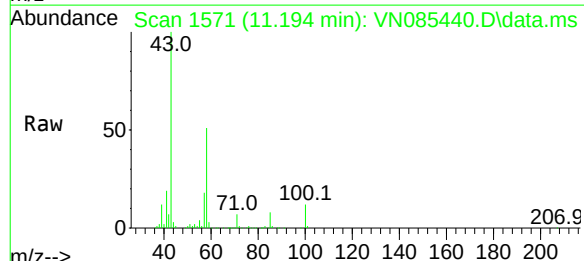
58 51.1 26.2 78.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#60

Dibromochloromethane

Concen: 20.326 ug/l

RT: 11.353 min Scan# 1598

Delta R.T. 0.000 min

Lab File: VN085440.D

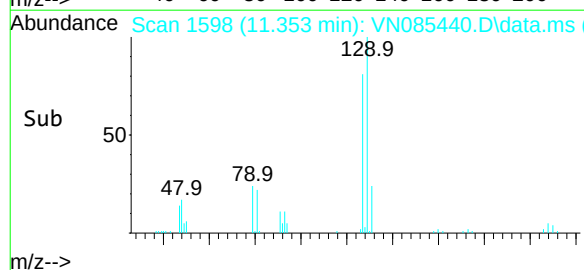
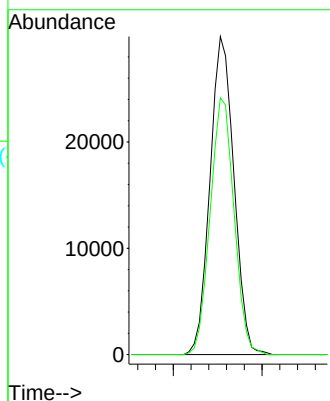
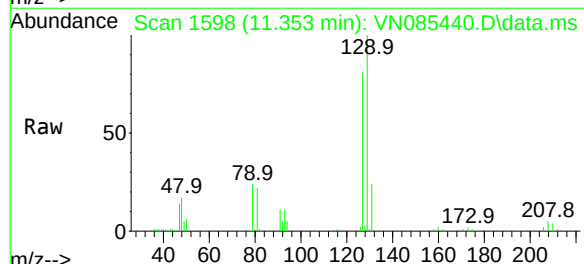
Acq: 14 Jan 2025 15:43

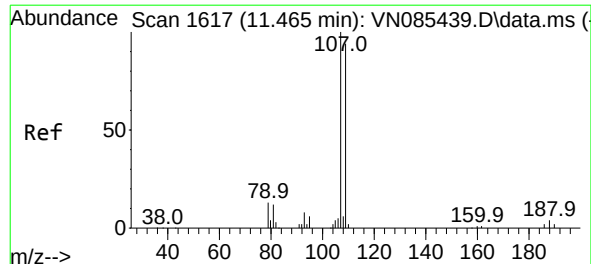
Tgt Ion:129 Resp: 56069

Ion Ratio Lower Upper

129 100

127 80.4 38.6 115.8





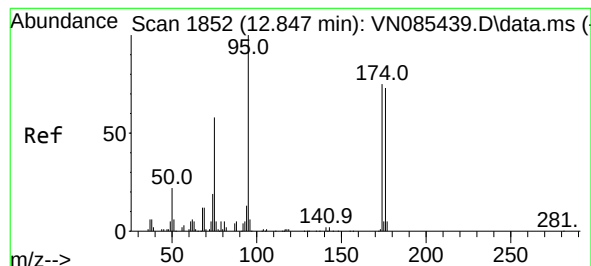
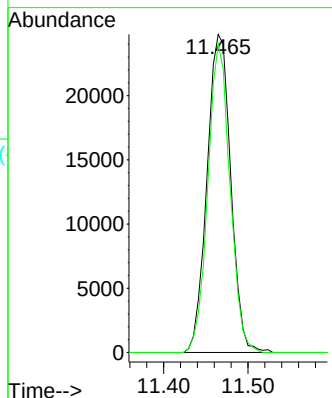
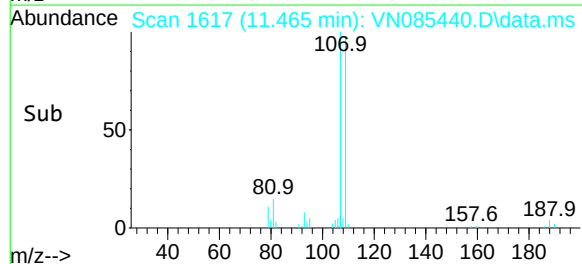
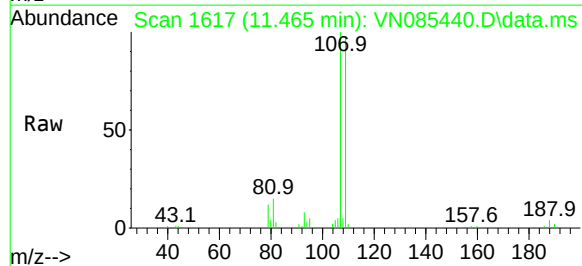
#61
1,2-Dibromoethane
Concen: 21.309 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 107 Resp: 48465
Ion Ratio Lower Upper
107 100
109 90.6 75.9 113.9

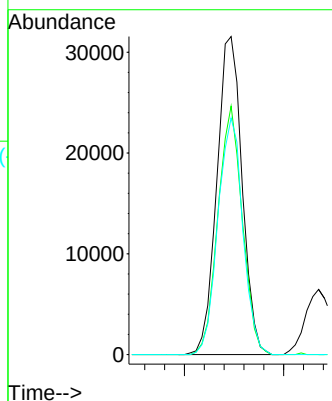
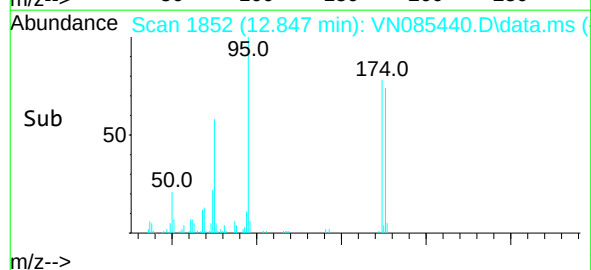
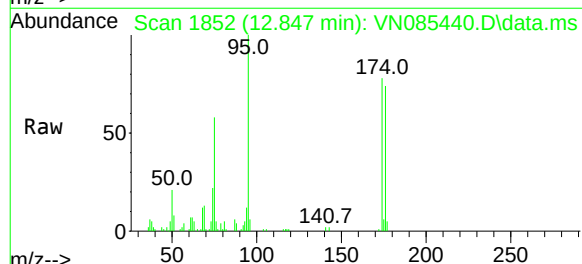
Manual Integrations
APPROVED

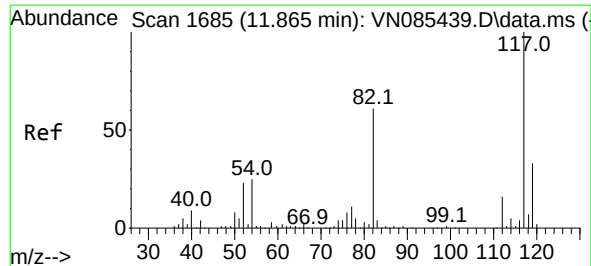
Reviewed By : John Carlone 01/15/2025
Supervised By : Mahesh Dadoda 01/15/2025



#62
4-Bromofluorobenzene
Concen: 19.430 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 95 Resp: 55798
Ion Ratio Lower Upper
95 100
174 75.2 0.0 145.0
176 73.2 0.0 142.4





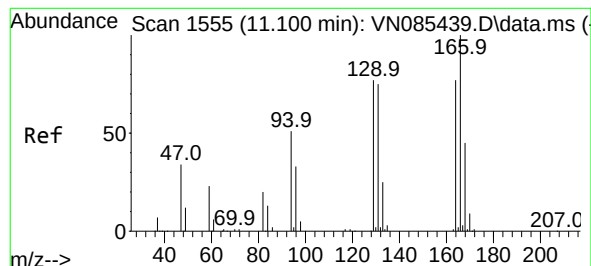
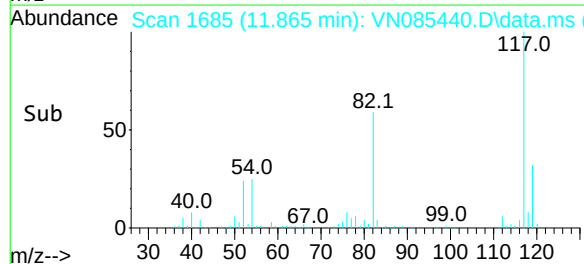
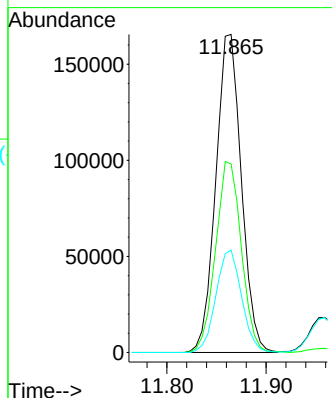
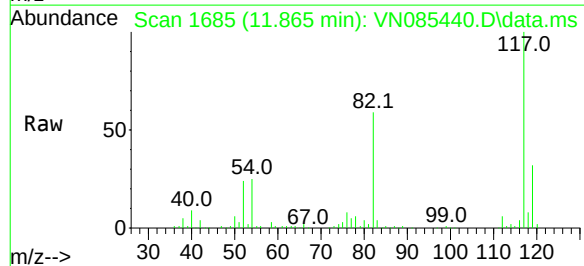
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 296298
Ion Ratio Lower Upper
117 100
82 59.3 48.6 72.8
119 32.2 26.6 39.8

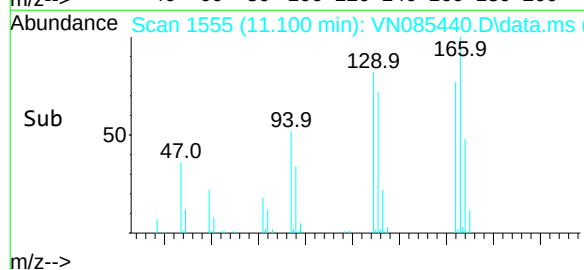
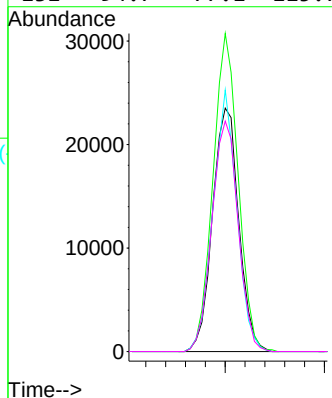
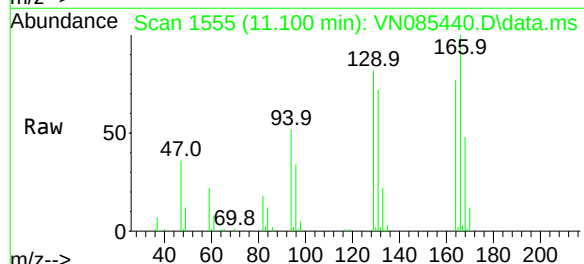
Manual Integrations
APPROVED

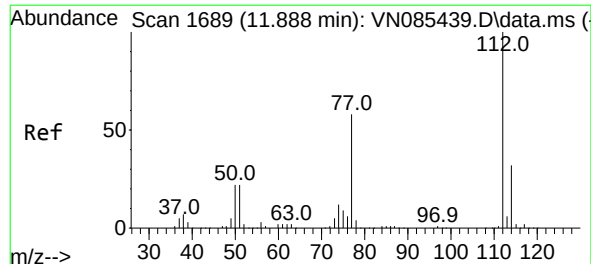
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#64
Tetrachloroethene
Concen: 21.408 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:164 Resp: 43243
Ion Ratio Lower Upper
164 100
166 130.6 103.4 155.2
129 107.4 79.2 118.8
131 94.7 77.1 115.7





#65

Chlorobenzene

Concen: 21.077 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 136809

Ion Ratio Lower Upper

112 100

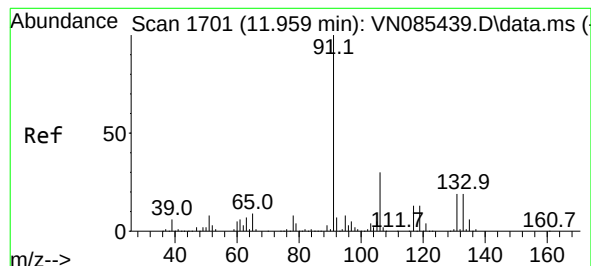
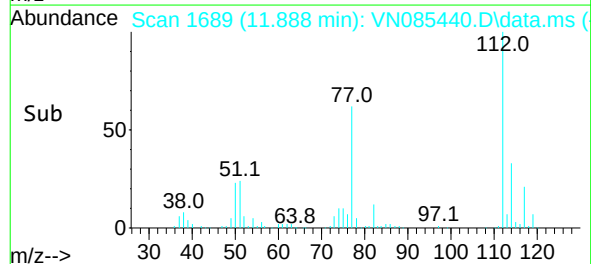
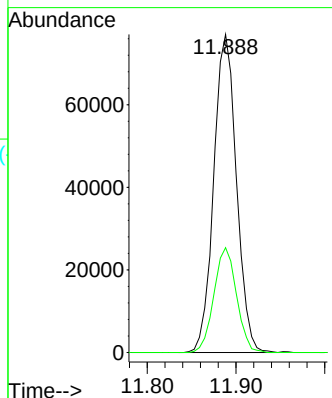
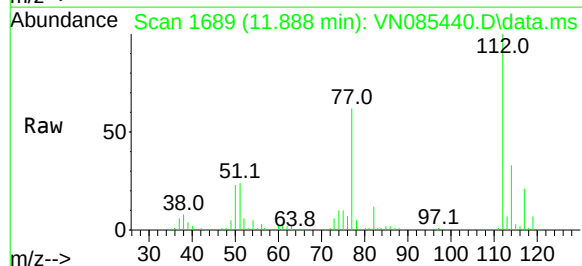
114 32.9 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 20.304 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

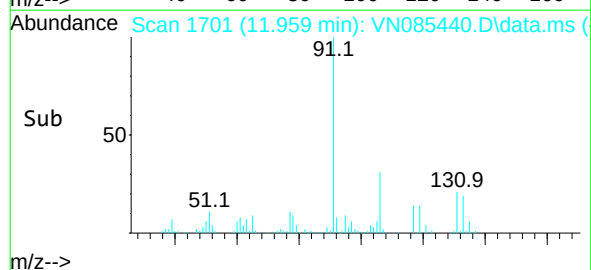
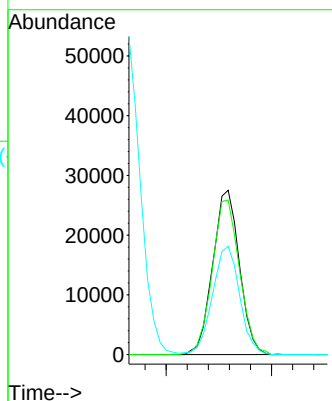
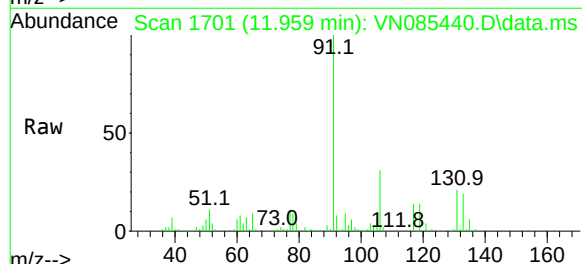
Tgt Ion:131 Resp: 48370

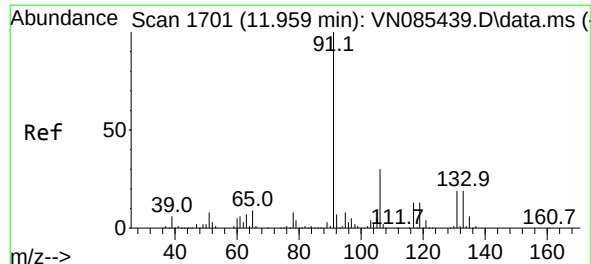
Ion Ratio Lower Upper

131 100

133 96.9 47.4 142.3

119 67.2 33.1 99.5





#67

Ethyl Benzene

Concen: 21.753 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 229978

Ion Ratio Lower Upper

91 100

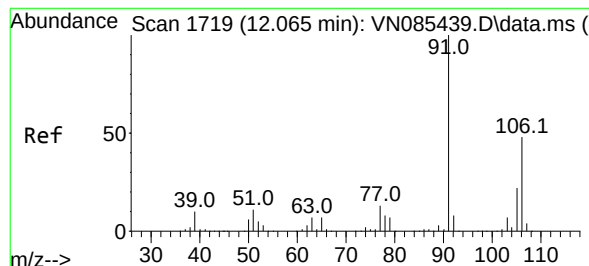
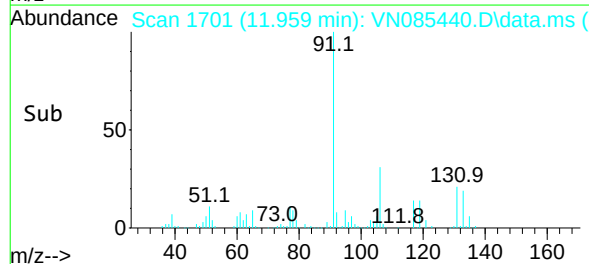
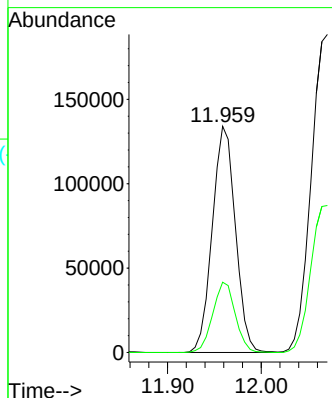
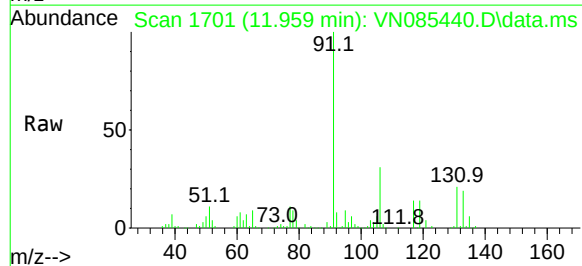
106 31.1 23.8 35.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#68

m/p-Xylenes

Concen: 45.494 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.006 min

Lab File: VN085440.D

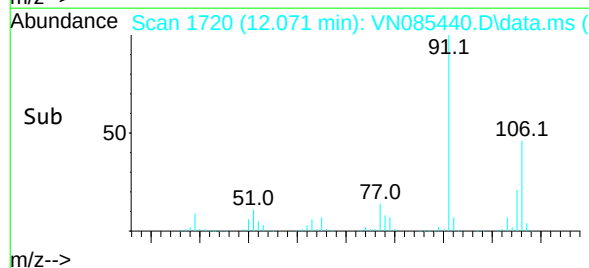
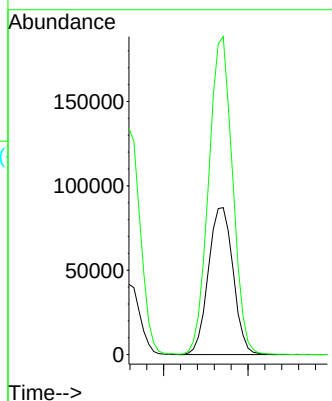
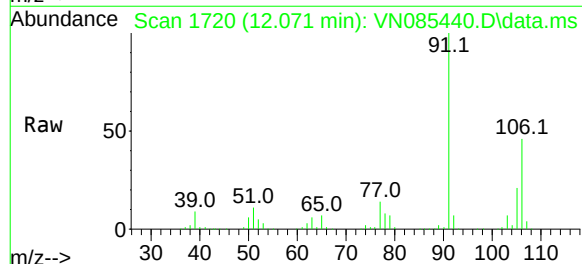
Acq: 14 Jan 2025 15:43

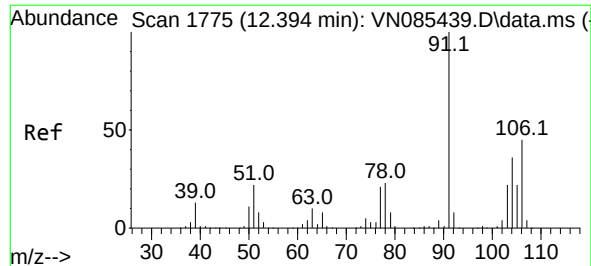
Tgt Ion:106 Resp: 177755

Ion Ratio Lower Upper

106 100

91 209.3 167.7 251.5





#69

o-Xylene

Concen: 22.643 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 84548

Ion Ratio Lower Upper

106 100

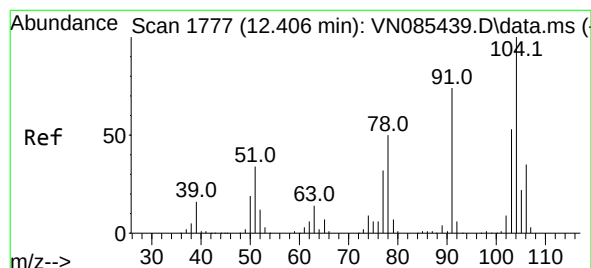
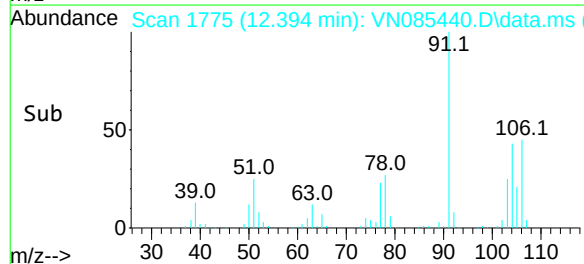
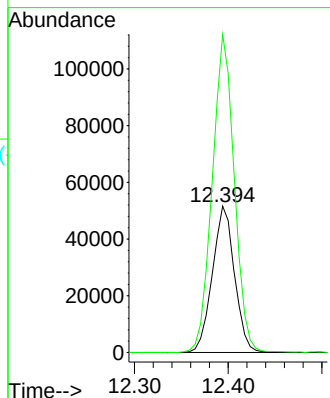
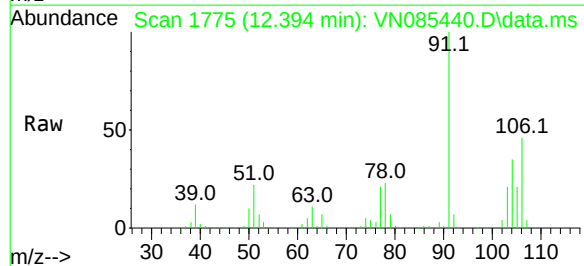
91 217.0 110.4 331.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#70

Styrene

Concen: 22.749 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

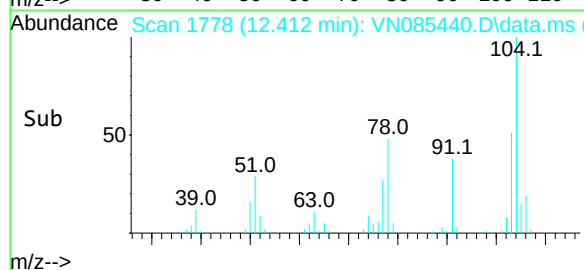
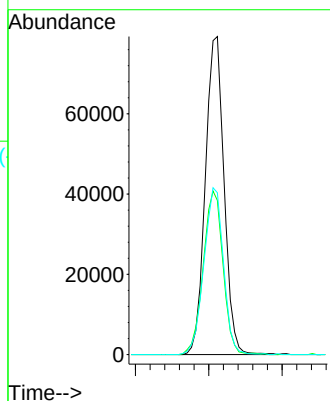
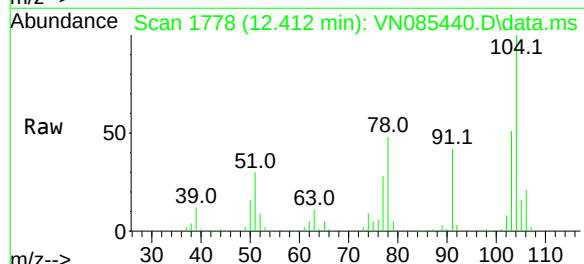
Tgt Ion:104 Resp: 140581

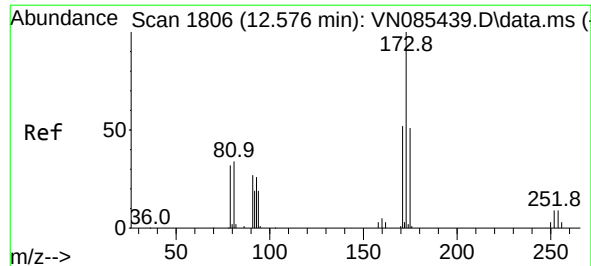
Ion Ratio Lower Upper

104 100

78 54.4 42.5 63.7

103 54.8 43.8 65.8





#71

Bromoform

Concen: 21.683 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

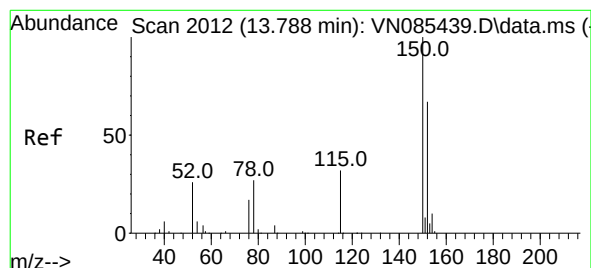
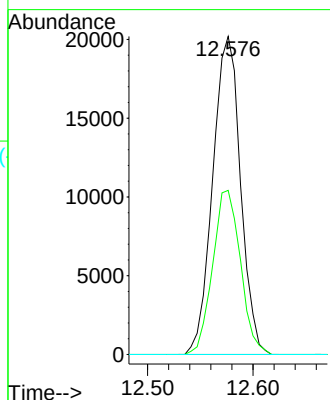
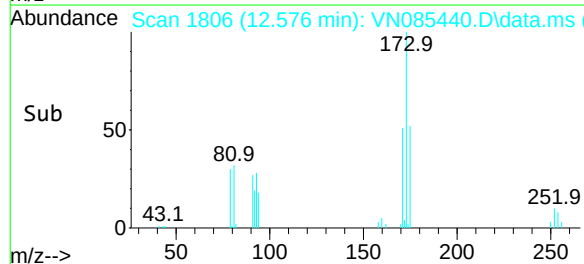
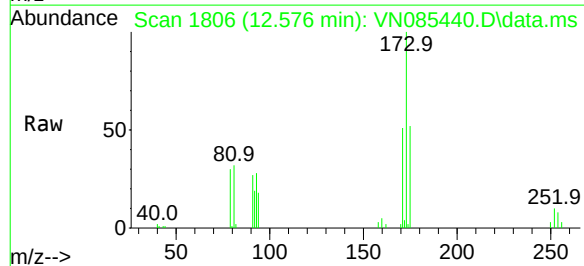
ClientSampleId :

VSTDIC020

Tgt Ion:	173	Resp:	36961
Ion Ratio	Lower	Upper	
173	100		
175	51.7	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

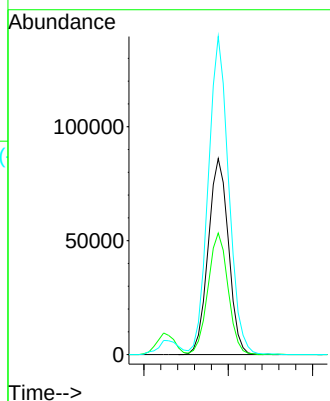
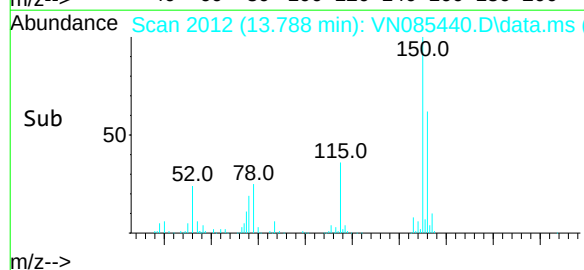
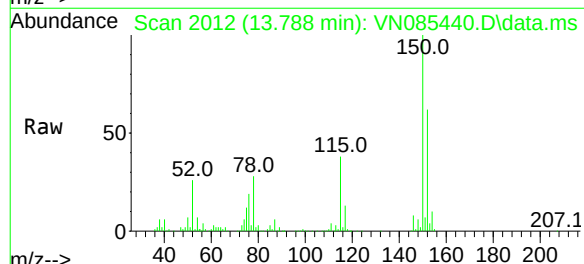
RT: 13.788 min Scan# 2012

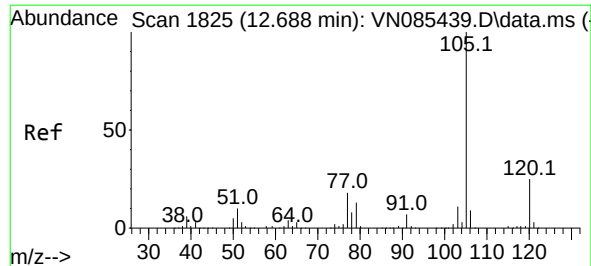
Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion:	152	Resp:	143526
Ion Ratio	Lower	Upper	
152	100		
115	61.4	31.1	93.3
150	163.9	0.0	343.6





#73

Isopropylbenzene

Concen: 21.819 ug/l

RT: 12.694 min Scan# 18

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion: 105 Resp: 211354

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.3

Instrument :

MSVOA_N

ClientSampleId :

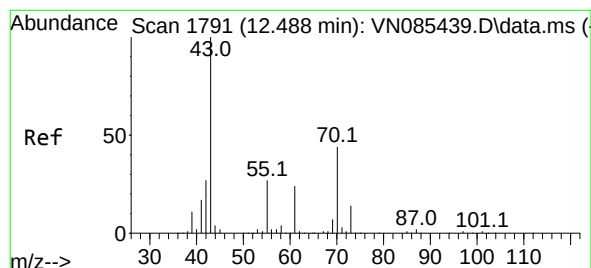
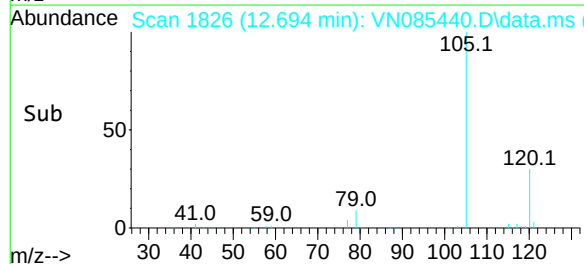
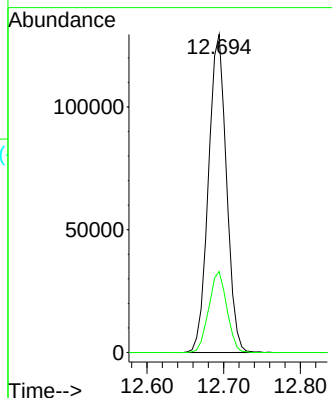
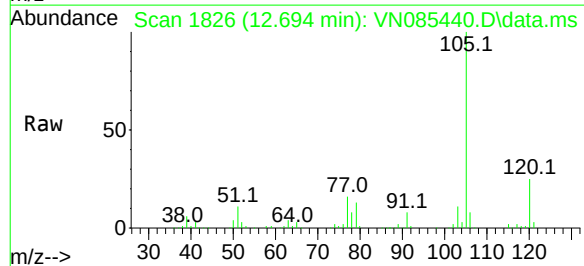
VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#74

N-ethyl acetate

Concen: 21.656 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion: 43 Resp: 94292

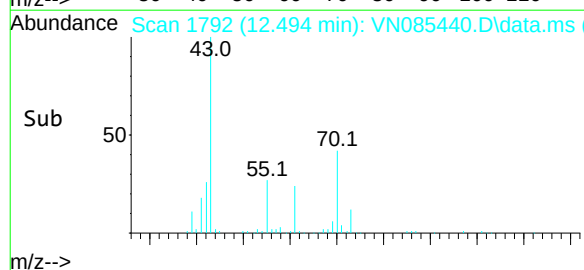
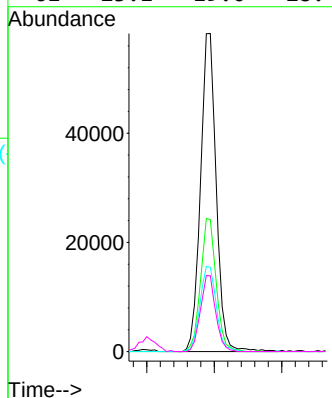
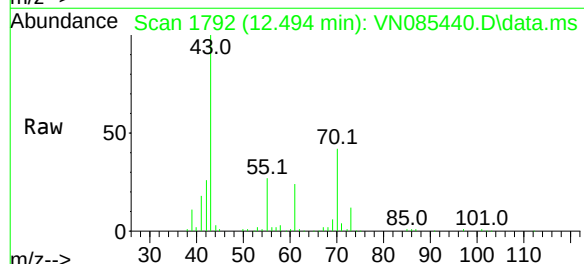
Ion Ratio Lower Upper

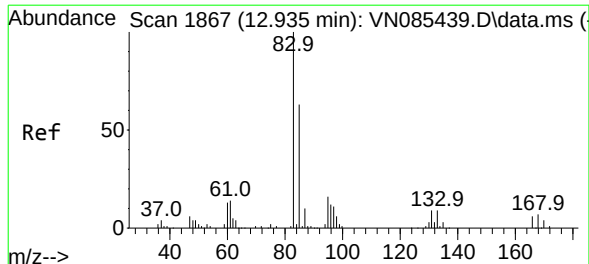
43 100

70 41.4 34.0 51.0

55 27.9 21.4 32.2

61 23.1 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.917 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

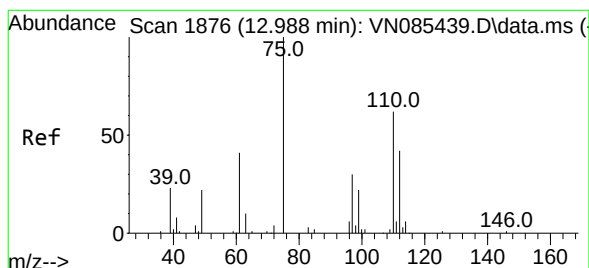
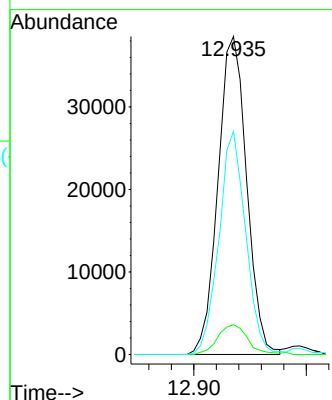
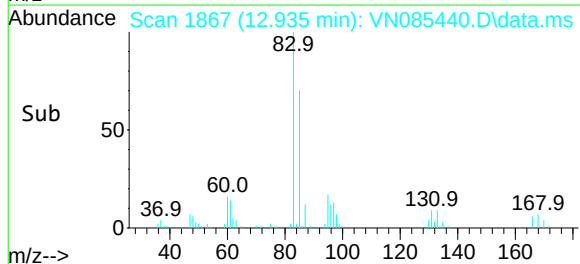
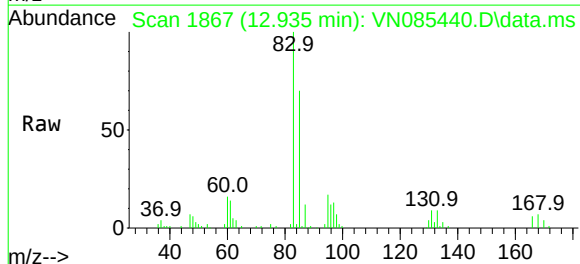
VSTDICC020

Tgt Ion:	83	Resp:	68151
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.8	14.4
85	65.5	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#76

1,2,3-Trichloropropane

Concen: 22.036 ug/l m

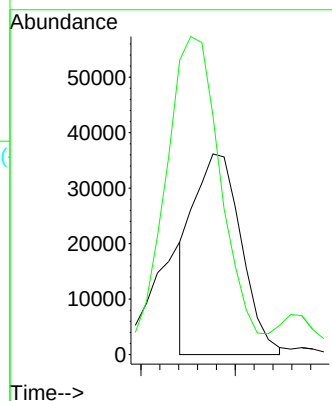
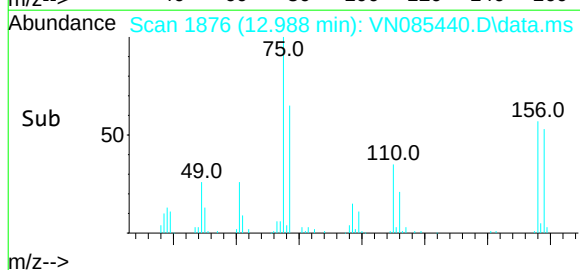
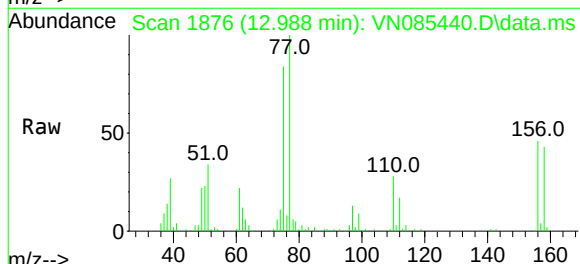
RT: 12.988 min Scan# 1876

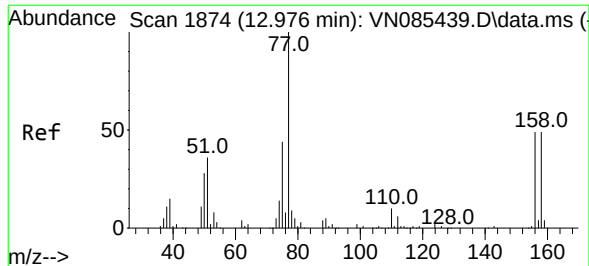
Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion:	75	Resp:	64180
Ion Ratio	Lower	Upper	
75	100		
77	186.8	109.7	329.2





#77

Bromobenzene

Concen: 20.556 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN085440.D

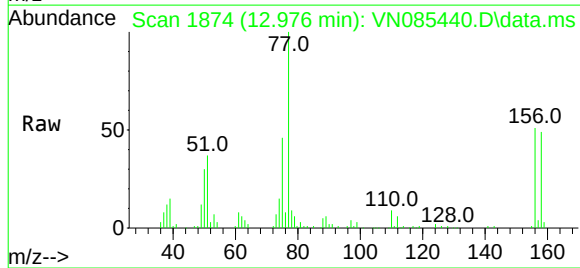
Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020



Tgt Ion:156 Resp: 52022

Ion Ratio Lower Upper

156 100

77 230.4 114.1 342.4

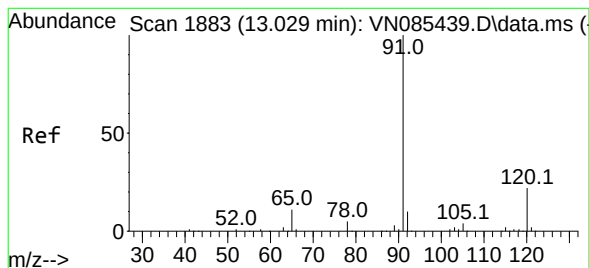
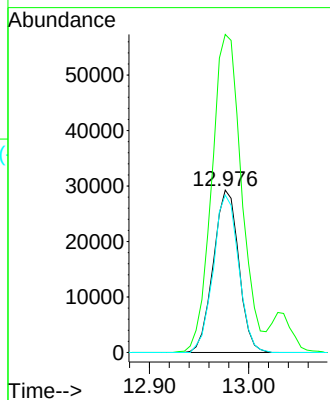
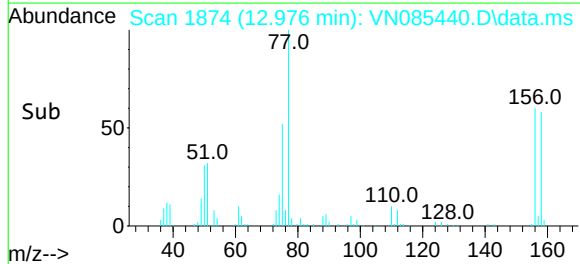
158 97.0 48.9 146.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#78

n-propylbenzene

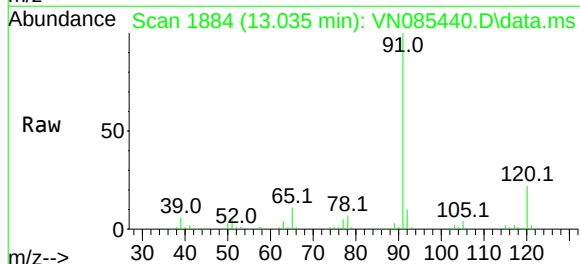
Concen: 22.028 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

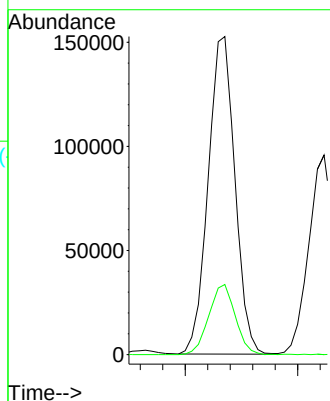
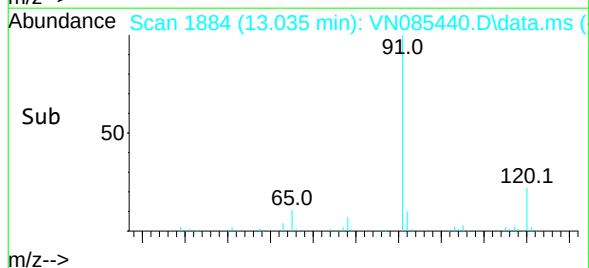


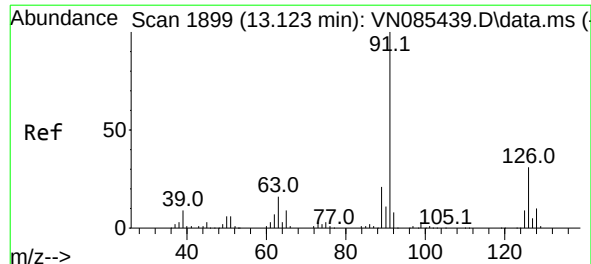
Tgt Ion: 91 Resp: 252610

Ion Ratio Lower Upper

91 100

120 21.8 10.9 32.6





#79

2-Chlorotoluene

Concen: 21.358 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion: 91 Resp: 158511

Ion Ratio Lower Upper

91 100

126 31.5 15.7 47.1

Instrument :

MSVOA_N

ClientSampleId :

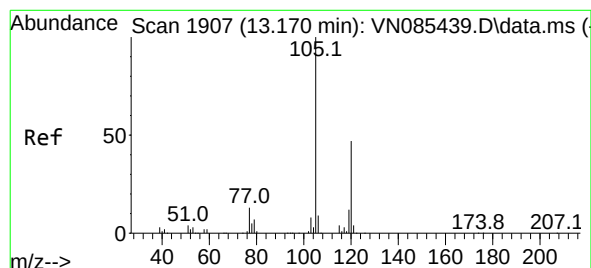
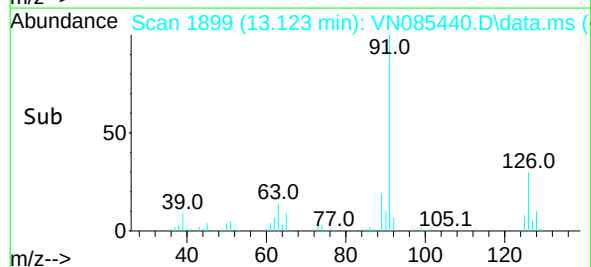
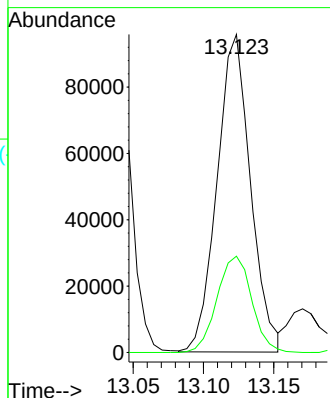
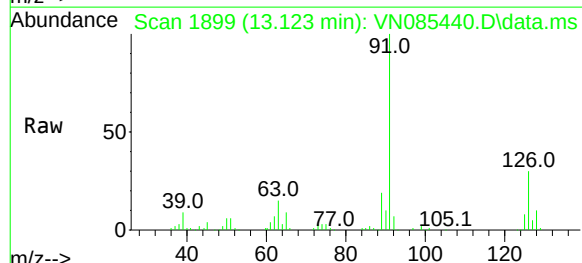
VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#80

1,3,5-Trimethylbenzene

Concen: 22.533 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085440.D

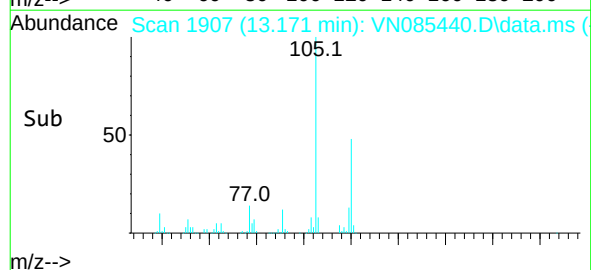
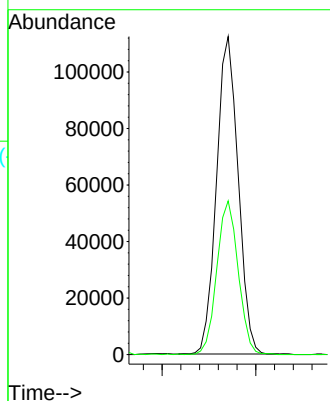
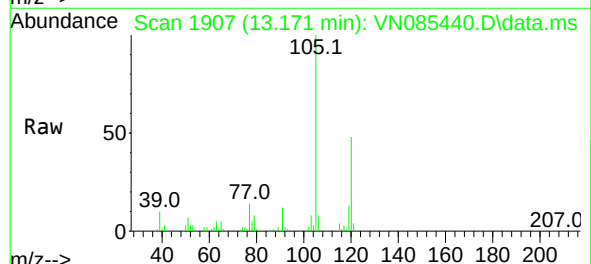
Acq: 14 Jan 2025 15:43

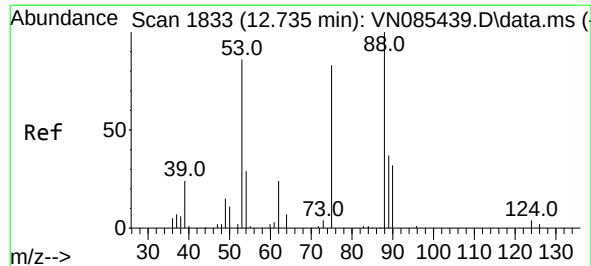
Tgt Ion:105 Resp: 180294

Ion Ratio Lower Upper

105 100

120 47.9 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.569 ug/l m

RT: 12.735 min Scan# 1833

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 22178

Ion Ratio Lower Upper

75 100

53 107.2 95.6 143.4

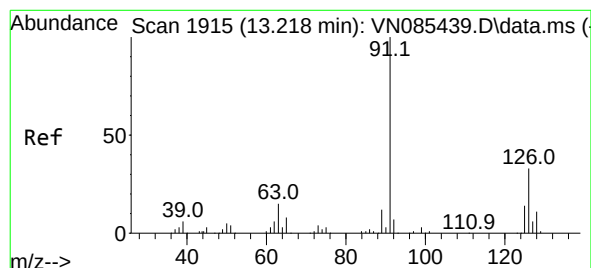
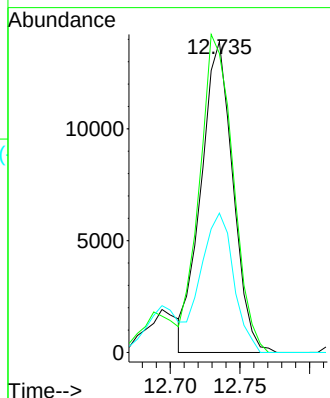
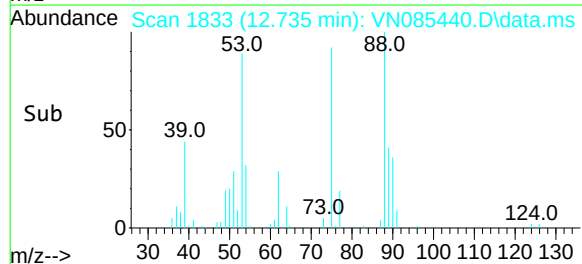
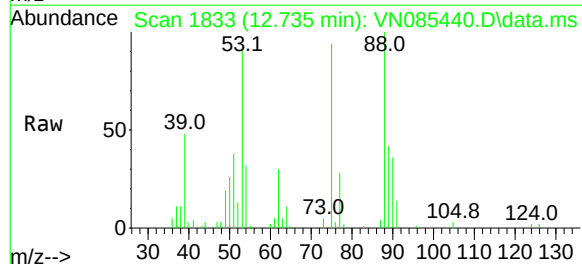
89 46.9 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#82

4-Chlorotoluene

Concen: 21.906 ug/l

RT: 13.218 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VN085440.D

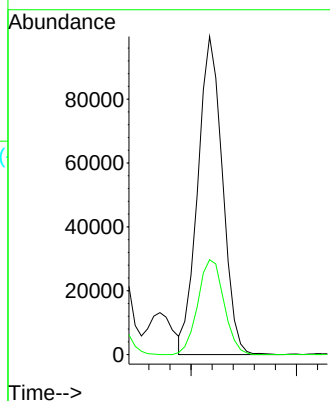
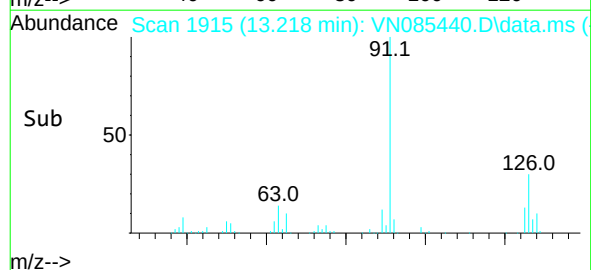
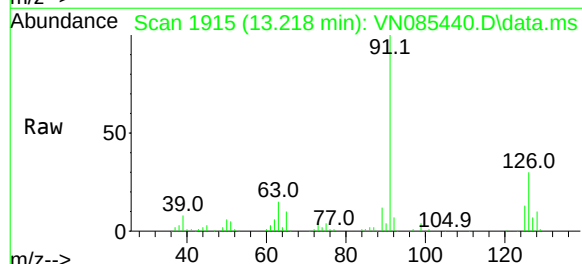
Acq: 14 Jan 2025 15:43

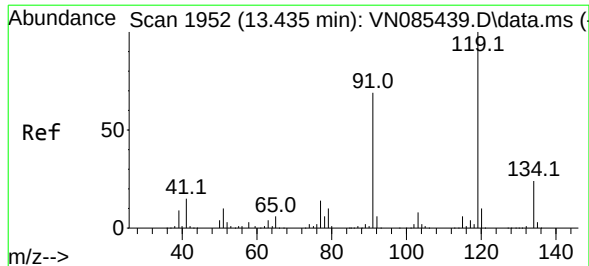
Tgt Ion: 91 Resp: 161880

Ion Ratio Lower Upper

91 100

126 31.6 15.9 47.7





#83

tert-Butylbenzene

Concen: 21.958 ug/l

RT: 13.435 min Scan# 19

Delta R.T. 0.000 min

Lab File: VN085440.D

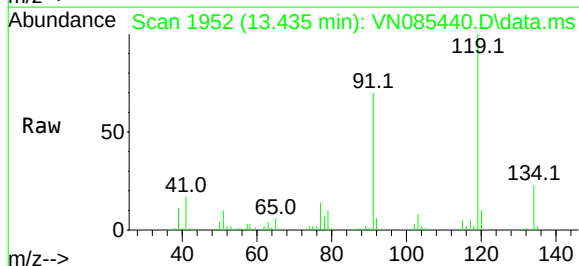
Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

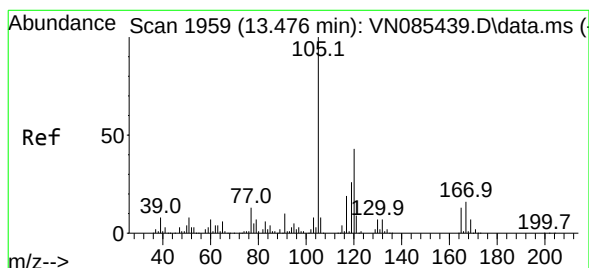
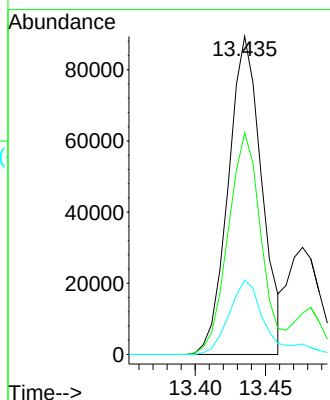
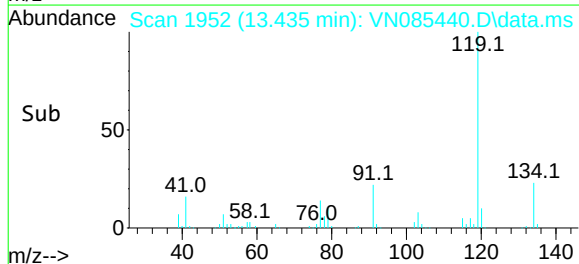
VSTDIC020



Tgt Ion:	119	Resp:	147541
Ion	Ratio	Lower	Upper
119	100		
91	69.5	35.1	105.3
134	25.5	12.0	36.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#84

1,2,4-Trimethylbenzene

Concen: 22.965 ug/l

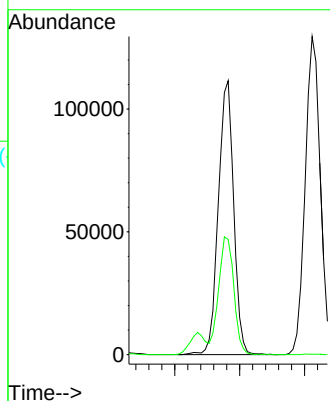
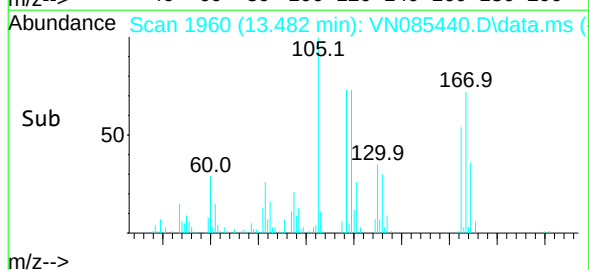
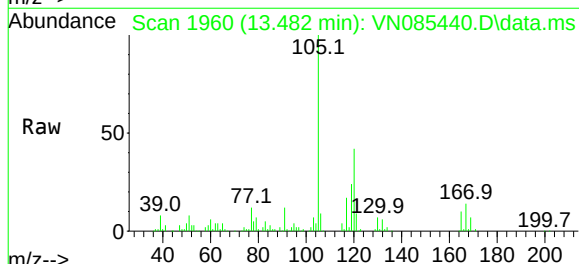
RT: 13.482 min Scan# 1960

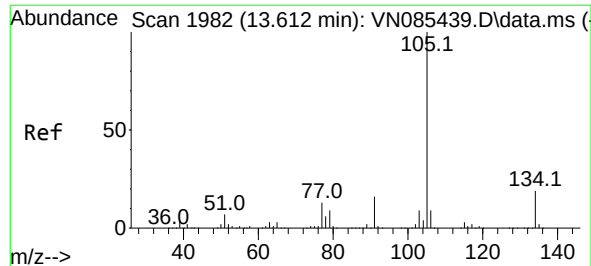
Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion:	105	Resp:	183144
Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.6	65.0





#85

sec-Butylbenzene

Concen: 22.457 ug/l

RT: 13.612 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 209133

Ion Ratio Lower Upper

105 100

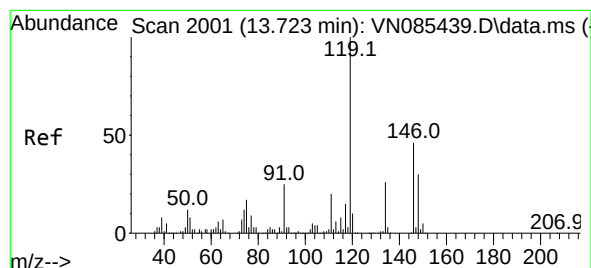
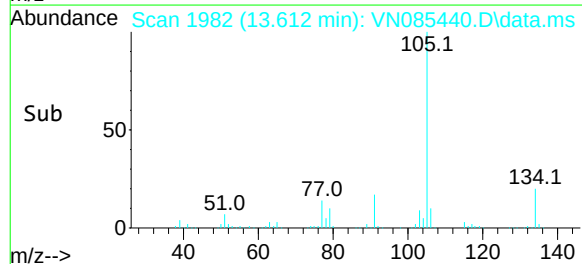
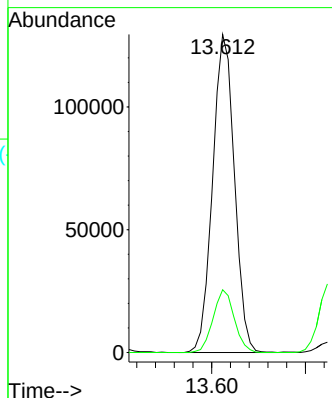
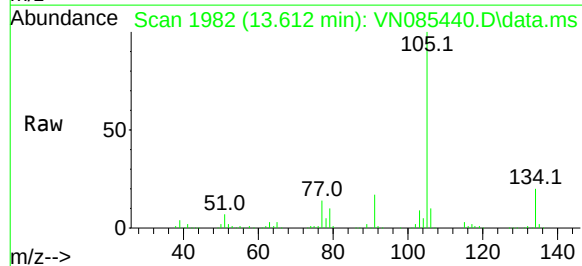
134 19.2 9.7 28.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#86

p-Isopropyltoluene

Concen: 21.661 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

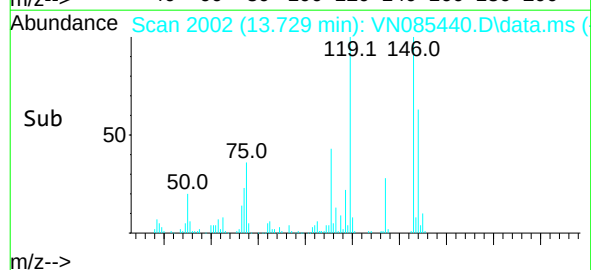
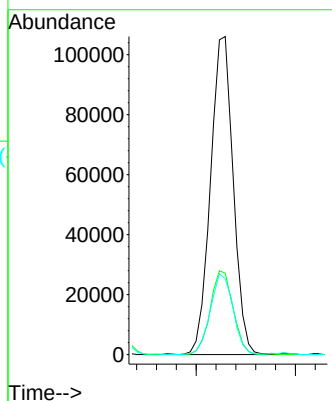
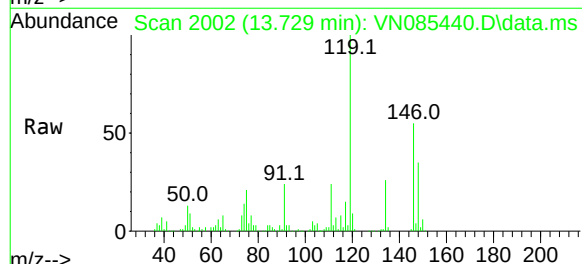
Tgt Ion:119 Resp: 168888

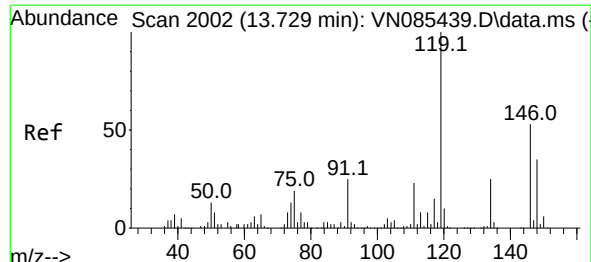
Ion Ratio Lower Upper

119 100

134 26.4 12.7 38.0

91 25.5 12.7 38.1





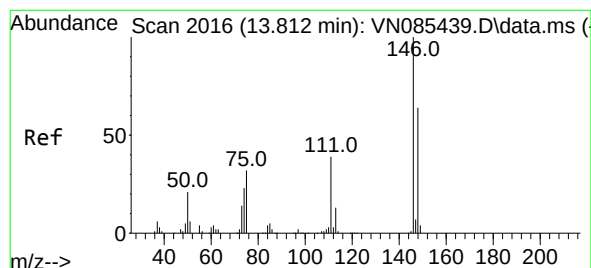
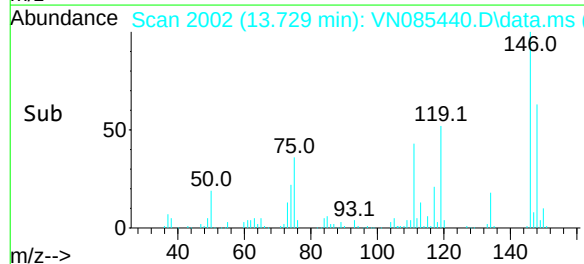
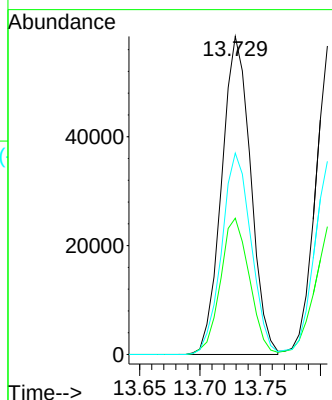
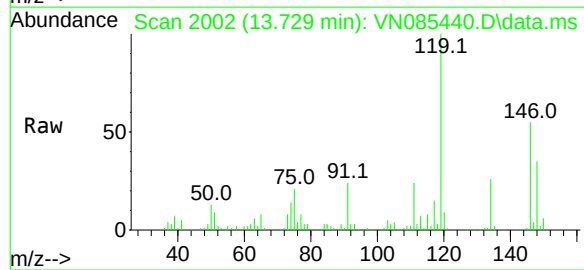
1,3-Dichlorobenzene
Concen: 20.952 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:	146	Resp:	97652
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	64.3	32.3	96.9

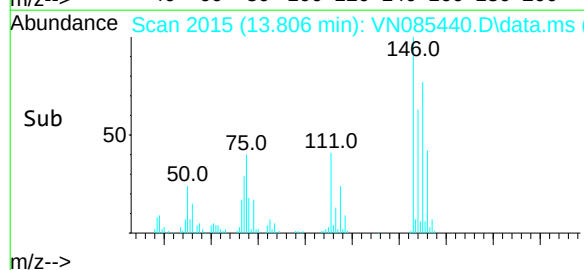
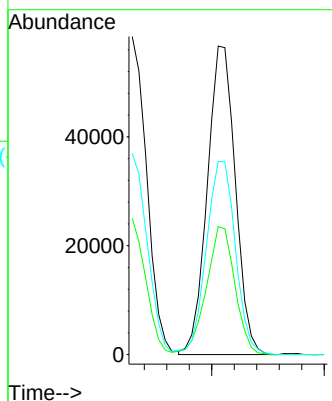
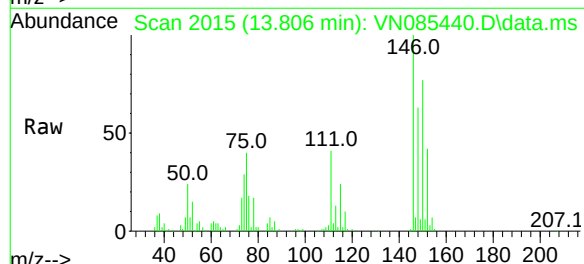
Manual Integrations
APPROVED

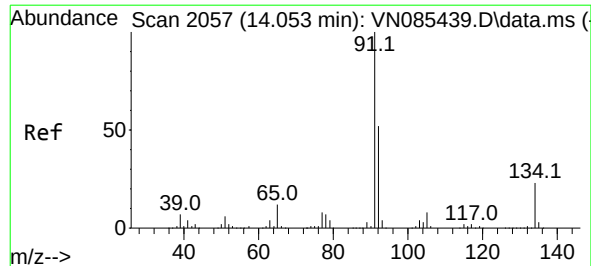
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



1,4-Dichlorobenzene
Concen: 20.351 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:	146	Resp:	98321
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	65.1	32.4	97.0





#89

n-Butylbenzene

Concen: 21.355 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 142673

Ion Ratio Lower Upper

91 100

92 51.0 25.8 77.3

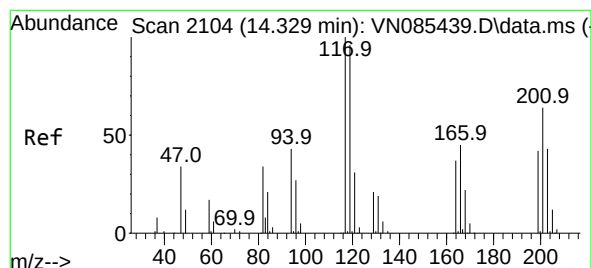
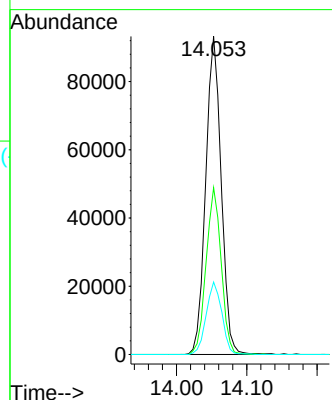
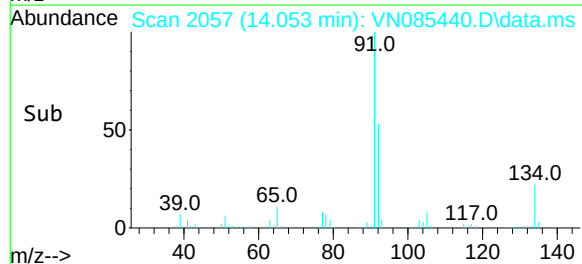
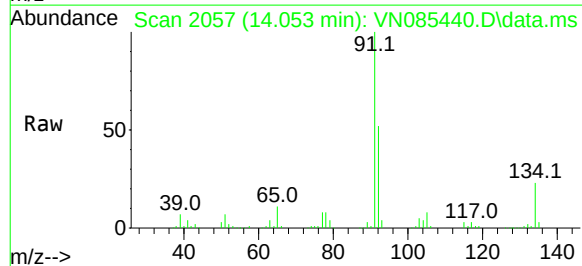
134 23.0 11.7 35.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#90

Hexachloroethane

Concen: 19.858 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. 0.000 min

Lab File: VN085440.D

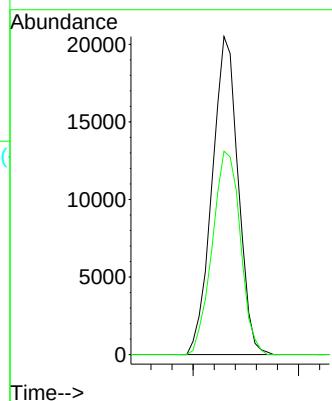
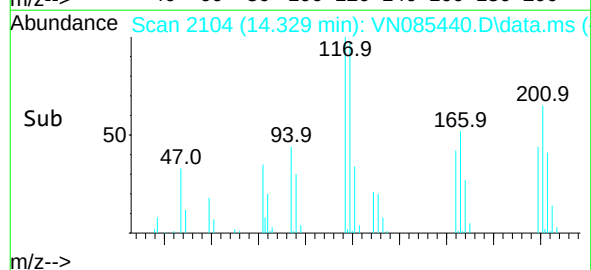
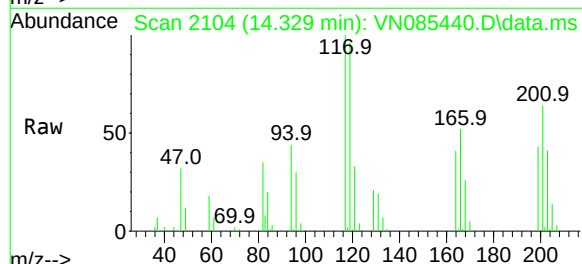
Acq: 14 Jan 2025 15:43

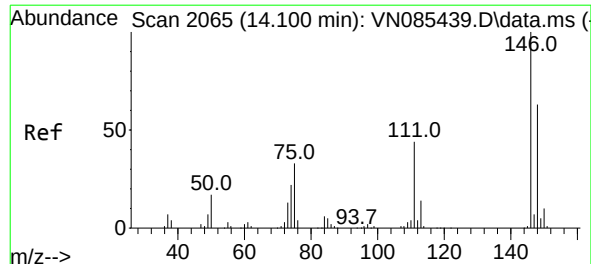
Tgt Ion:117 Resp: 35205

Ion Ratio Lower Upper

117 100

201 68.8 33.7 101.0





#91

1,2-Dichlorobenzene

Concen: 20.425 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

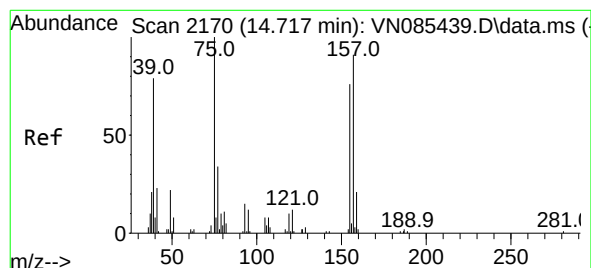
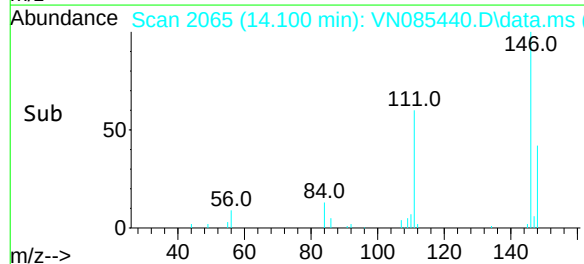
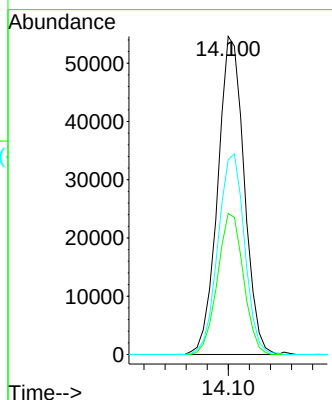
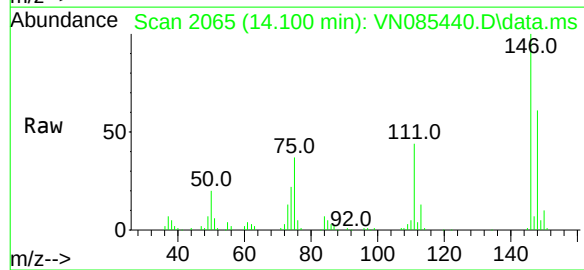
ClientSampleId :

VSTDIC020

Tgt Ion:	146	Resp:	94954
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.7	65.1
148	63.5	31.4	94.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.580 ug/l

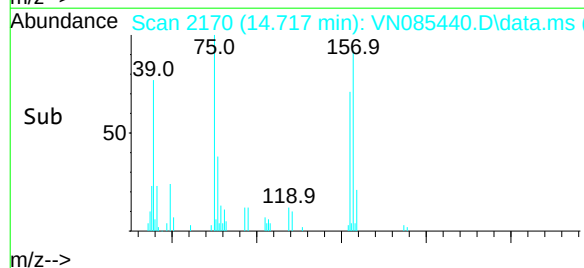
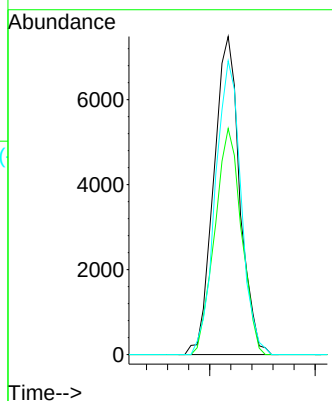
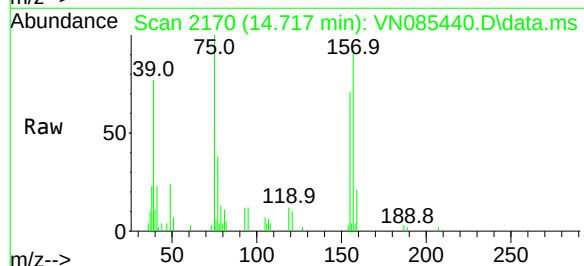
RT: 14.717 min Scan# 2170

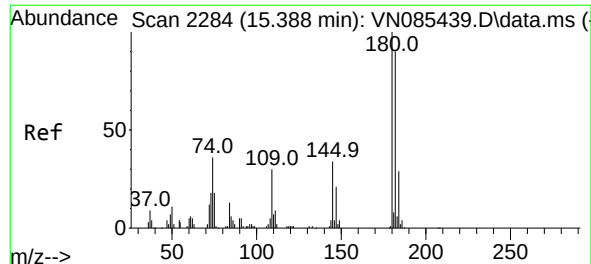
Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion:	75	Resp:	12859
Ion	Ratio	Lower	Upper
75	100		
155	72.7	36.4	109.2
157	90.9	45.4	136.1





#93

1,2,4-Trichlorobenzene

Concen: 21.233 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:180 Resp: 45878

Ion Ratio Lower Upper

180 100

182 94.2 46.8 140.3

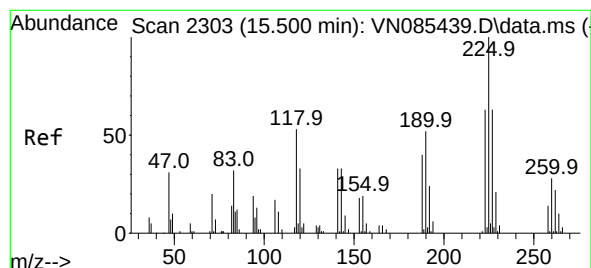
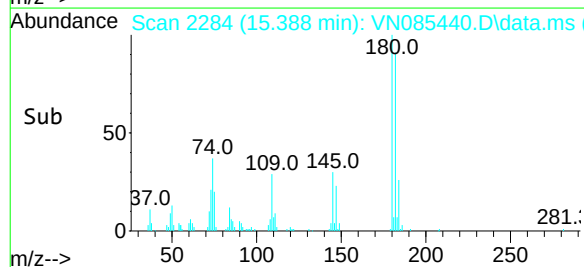
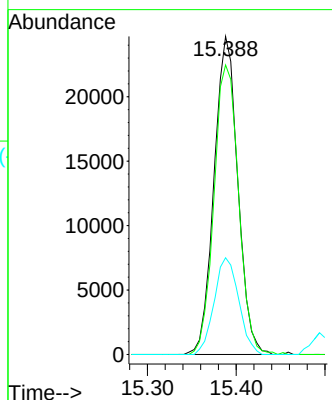
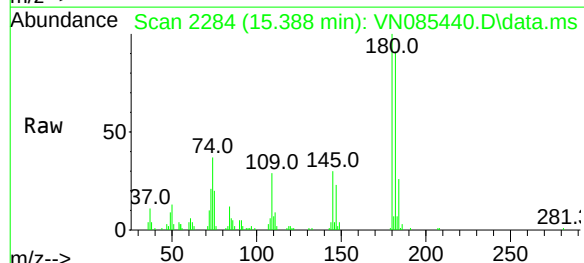
145 31.4 16.0 48.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#94

Hexachlorobutadiene

Concen: 19.805 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

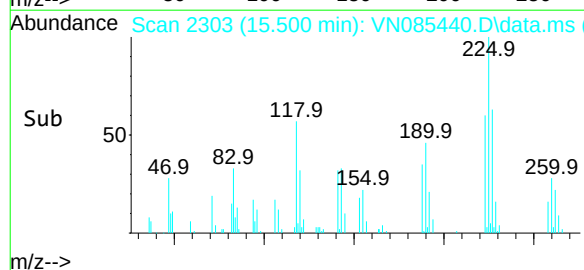
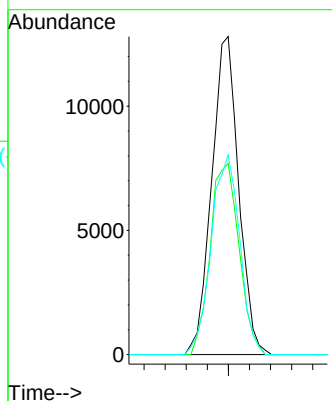
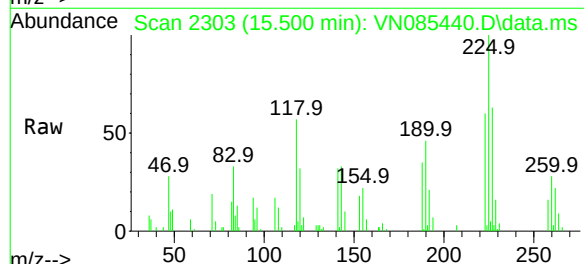
Tgt Ion:225 Resp: 22719

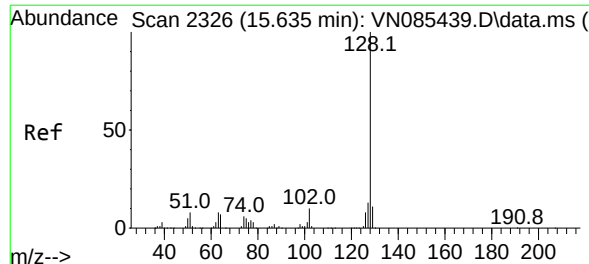
Ion Ratio Lower Upper

225 100

223 64.3 30.7 92.1

227 66.3 30.9 92.5





#95

Naphthalene

Concen: 20.906 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA_N

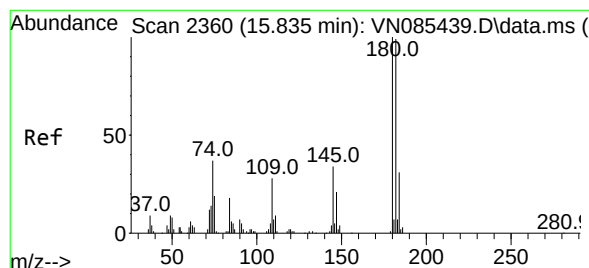
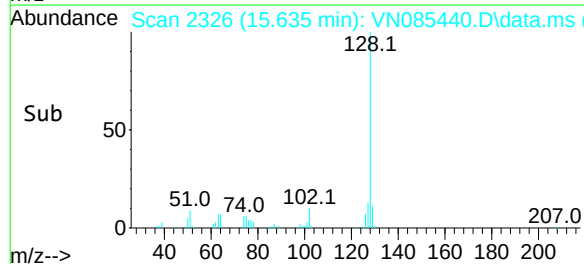
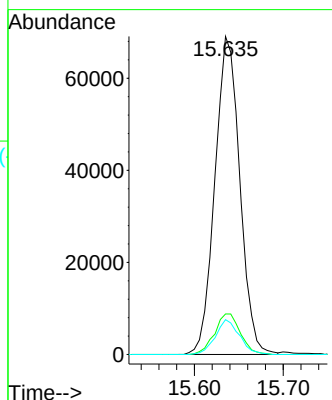
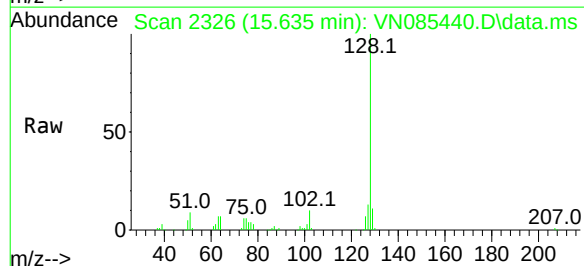
ClientSampleId :

VSTDICC020

Tgt Ion:	128	Resp:	134793
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.6	8.8	13.2

**Manual Integrations
APPROVED**

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.797 ug/l

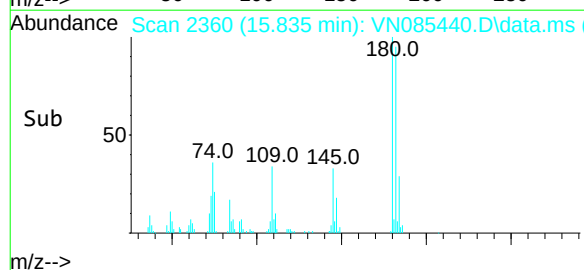
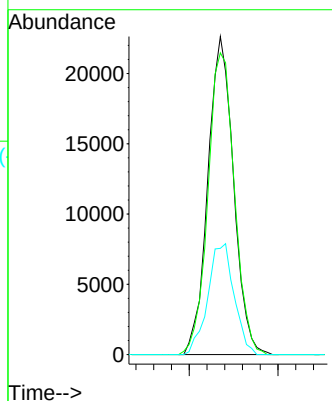
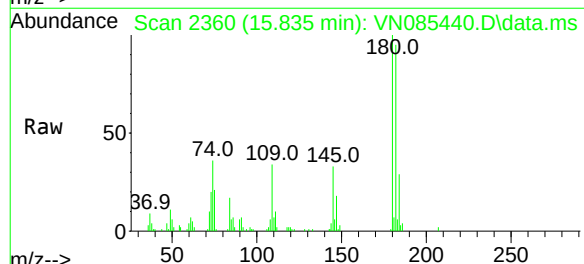
RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Tgt Ion:	180	Resp:	45468
Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.4	142.2
145	35.7	16.9	50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085441.D
 Acq On : 14 Jan 2025 16:07
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Jan 15 01:44:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 01:28:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	195889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	340403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132934	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	29856	9.442	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	18.880%#
35) Dibromofluoromethane	8.165	113	21110	8.939	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	17.880%#
50) Toluene-d8	10.565	98	73223	8.727	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	17.460%#
62) 4-Bromofluorobenzene	12.847	95	24327	8.476	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	16.960%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.124	85	26124	9.850	ug/l	96
3) Chloromethane	2.359	50	27143	9.452	ug/l	99
4) Vinyl Chloride	2.512	62	27862	9.653	ug/l	100
5) Bromomethane	2.965	94	17139	9.830	ug/l	87
6) Chloroethane	3.130	64	16791	9.175	ug/l	96
7) Trichlorofluoromethane	3.501	101	40755	9.731	ug/l	98
8) Diethyl Ether	3.953	74	12415	8.581	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	22982	9.742	ug/l	98
10) Methyl Iodide	4.589	142	25085	9.286	ug/l	99
11) Tert butyl alcohol	5.512	59	17962	49.608	ug/l	97
12) 1,1-Dichloroethene	4.342	96	20615	9.806	ug/l	99
13) Acrolein	4.177	56	25568	51.729	ug/l	99
14) Allyl chloride	5.018	41	32240	9.451	ug/l	97
15) Acrylonitrile	5.712	53	53959	46.918	ug/l	98
16) Acetone	4.424	43	48475	47.446	ug/l	98
17) Carbon Disulfide	4.712	76	60201	9.300	ug/l #	94
18) Methyl Acetate	5.030	43	30500	9.817	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	65207	9.552	ug/l	91
20) Methylene Chloride	5.277	84	23723	9.379	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	21127	9.403	ug/l	97
22) Diisopropyl ether	6.671	45	71857	9.490	ug/l	97
23) Vinyl Acetate	6.600	43	250575	47.125	ug/l	98
24) 1,1-Dichloroethane	6.565	63	43099	9.335	ug/l	95
25) 2-Butanone	7.477	43	71191	47.350	ug/l	99
26) 2,2-Dichloropropane	7.483	77	36105	9.672	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	25049	9.466	ug/l	97
28) Bromochloromethane	7.806	49	19037	8.863	ug/l	97
29) Tetrahydrofuran	7.836	42	45641	47.881	ug/l	98
30) Chloroform	7.965	83	45792	9.596	ug/l	100
31) Cyclohexane	8.253	56	40211	10.020	ug/l #	93
32) 1,1,1-Trichloroethane	8.165	97	39170	9.358	ug/l	99
36) 1,1-Dichloropropene	8.371	75	30015	9.056	ug/l	97
37) Ethyl Acetate	7.559	43	30760	9.195	ug/l	97
38) Carbon Tetrachloride	8.359	117	36015	9.492	ug/l	94
39) Methylcyclohexane	9.594	83	27721	8.900	ug/l	95
40) Benzene	8.600	78	93680	9.407	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085441.D
 Acq On : 14 Jan 2025 16:07
 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 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:44:05 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M

Quant Title : SW846 8260

QLast Update : Wed Jan 15 01:28:51 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	16859	9.686	ug/l	96
42) 1,2-Dichloroethane	8.665	62	35569	9.483	ug/l	99
43) Isopropyl Acetate	8.683	43	48926	9.127	ug/l	99
44) Trichloroethene	9.347	130	21113	9.108	ug/l	95
45) 1,2-Dichloropropane	9.618	63	22747	8.942	ug/l	97
46) Dibromomethane	9.706	93	17260	9.404	ug/l	99
47) Bromodichloromethane	9.883	83	35020	9.365	ug/l	98
48) Methyl methacrylate	9.677	41	21873	9.067	ug/l	97
49) 1,4-Dioxane	9.694	88	7734	190.382	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	146990	47.254	ug/l	98
52) Toluene	10.630	92	54976	9.527	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	32780	9.276	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	35904	9.512	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	21060	9.222	ug/l	98
56) Ethyl methacrylate	10.871	69	28454	9.042	ug/l	95
57) 1,3-Dichloropropane	11.159	76	37768	9.512	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	63110	43.550	ug/l	98
59) 2-Hexanone	11.194	43	101318	46.291	ug/l	98
60) Dibromochloromethane	11.353	129	25029	9.079	ug/l	98
61) 1,2-Dibromoethane	11.465	107	21055	9.263	ug/l	100
64) Tetrachloroethene	11.100	164	19934	9.928	ug/l	97
65) Chlorobenzene	11.888	112	61680	9.560	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	21853	9.229	ug/l	98
67) Ethyl Benzene	11.959	91	99248	9.445	ug/l	97
68) m/p-Xylenes	12.065	106	72431	18.650	ug/l	99
69) o-Xylene	12.394	106	34382	9.264	ug/l	99
70) Styrene	12.406	104	56285	9.163	ug/l	98
71) Bromoform	12.576	173	16071	9.485	ug/l #	98
73) Isopropylbenzene	12.694	105	87003	9.697	ug/l	99
74) N-amyl acetate	12.494	43	37343	9.260	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30770	9.709	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	25443m	9.432	ug/l	
77) Bromobenzene	12.976	156	22784	9.720	ug/l	97
78) n-propylbenzene	13.035	91	102262	9.628	ug/l	98
79) 2-Chlorotoluene	13.123	91	68346	9.943	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	71656	9.669	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	9236	9.248	ug/l	100
82) 4-Chlorotoluene	13.218	91	66773	9.756	ug/l	97
83) tert-Butylbenzene	13.435	119	59455	9.553	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	72046	9.754	ug/l	99
85) sec-Butylbenzene	13.612	105	83662	9.699	ug/l	99
86) p-Isopropyltoluene	13.729	119	67556	9.674	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	41843	9.693	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	42728	9.549	ug/l	99
89) n-Butylbenzene	14.053	91	57632	9.314	ug/l	97
90) Hexachloroethane	14.329	117	15261	9.294	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	40726	9.458	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5639	9.744	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	18720	9.354	ug/l	99
94) Hexachlorobutadiene	15.500	225	10491	9.874	ug/l	98
95) Naphthalene	15.635	128	52054	8.717	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	19450	9.605	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
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 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

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

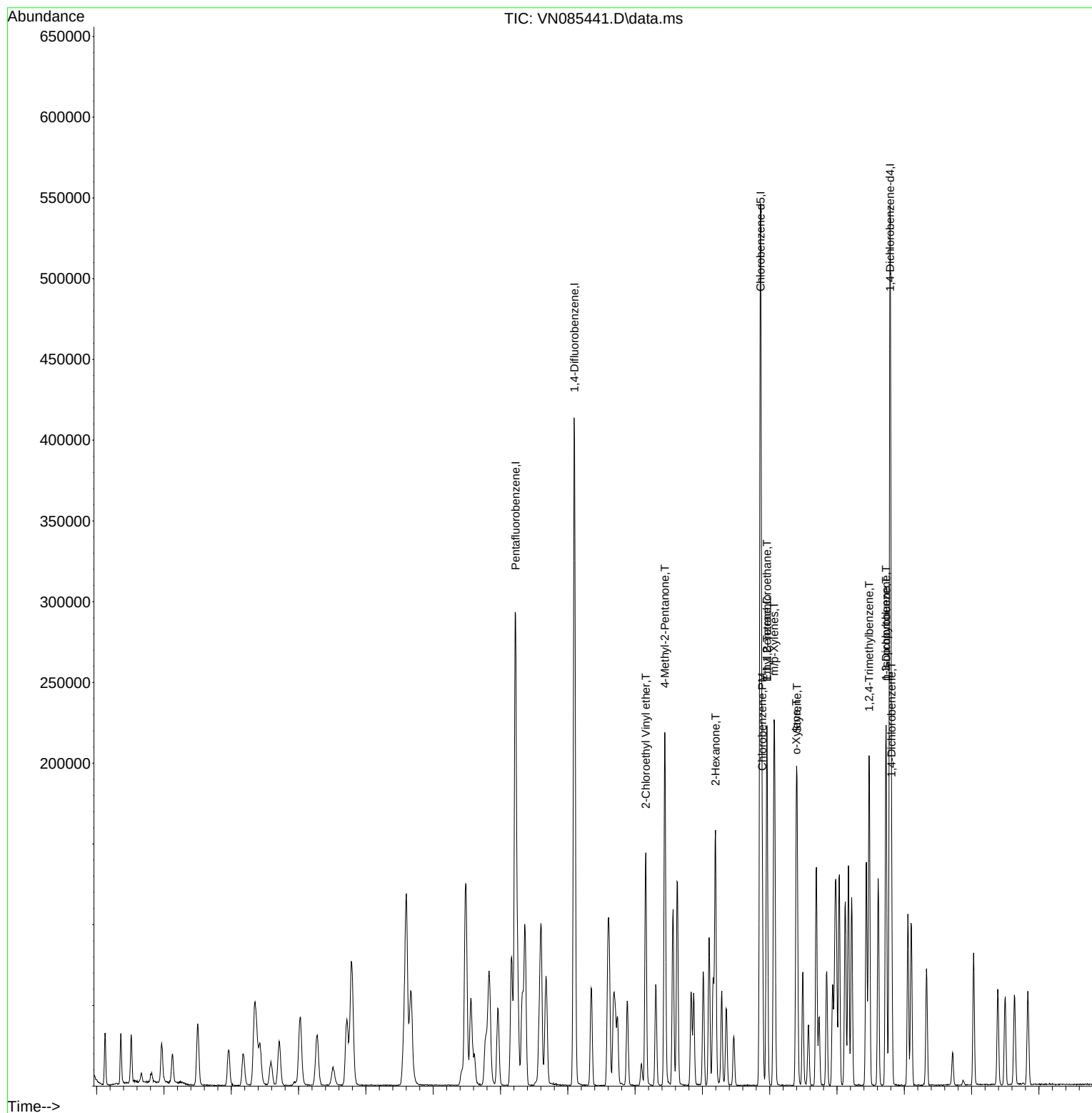
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Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDIC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

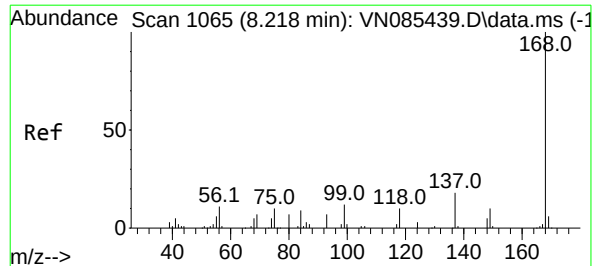
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Manual Integrations
APPROVED

Reviewed By : John Carlone 01/15/2025
Supervised By : Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration





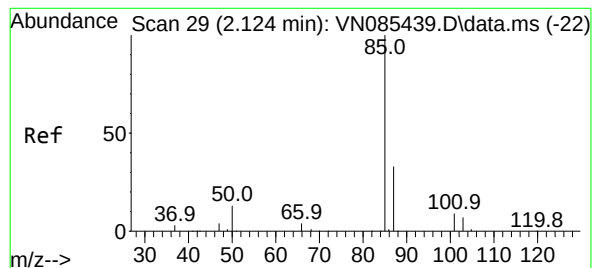
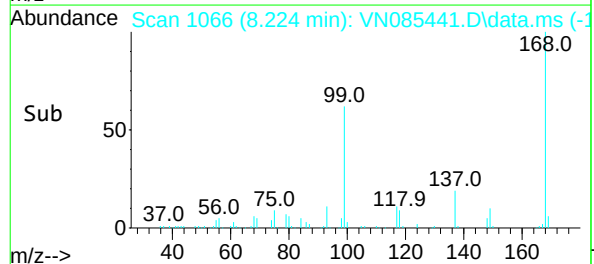
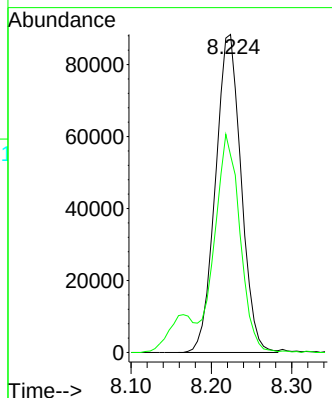
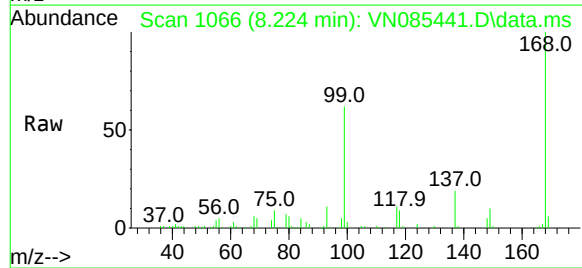
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 195889
Ion Ratio Lower Upper
168 100
99 61.7 53.6 80.4

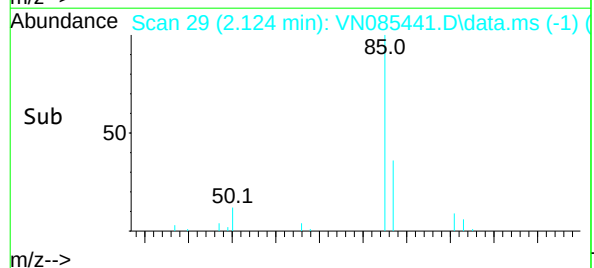
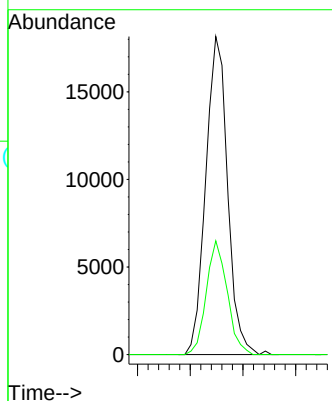
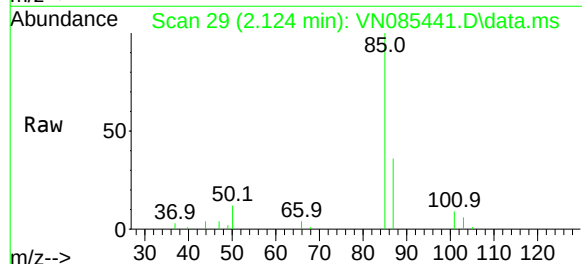
Manual Integrations
APPROVED

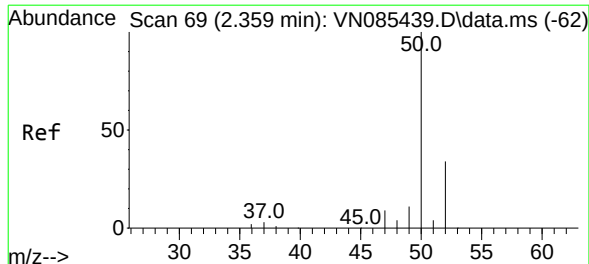
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#2
Dichlorodifluoromethane
Concen: 9.850 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

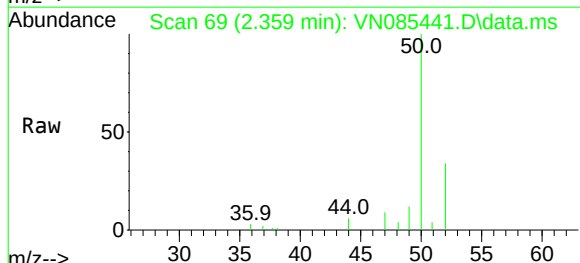
Tgt Ion: 85 Resp: 26124
Ion Ratio Lower Upper
85 100
87 35.8 16.7 50.1





#3
Chloromethane
Concen: 9.452 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

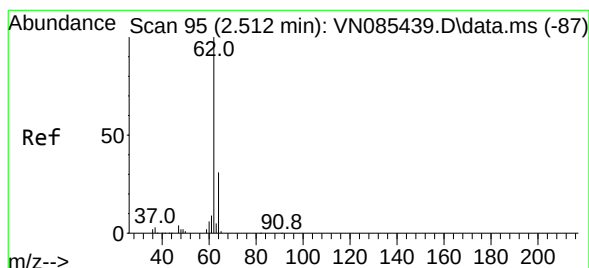
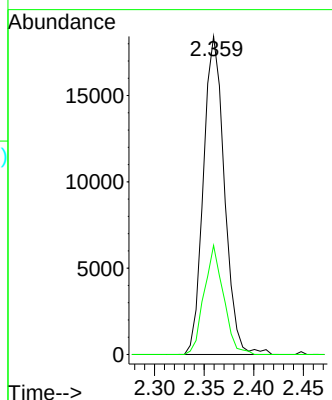
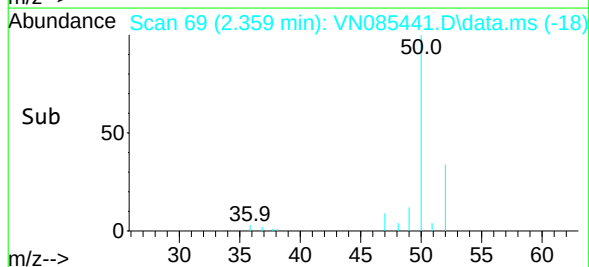
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 50 Resp: 27143
Ion Ratio Lower Upper
50 100
52 34.3 27.0 40.6

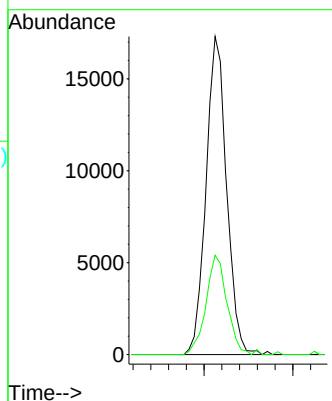
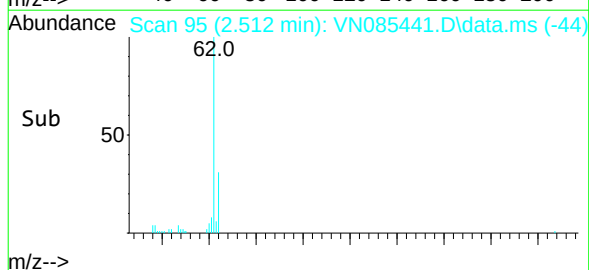
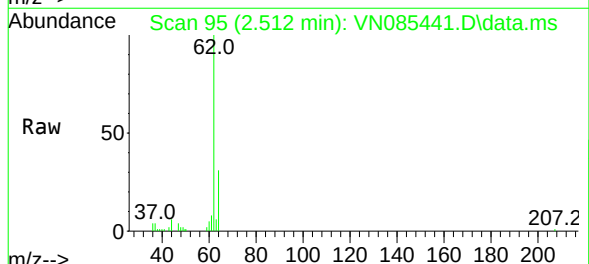
Manual Integrations
APPROVED

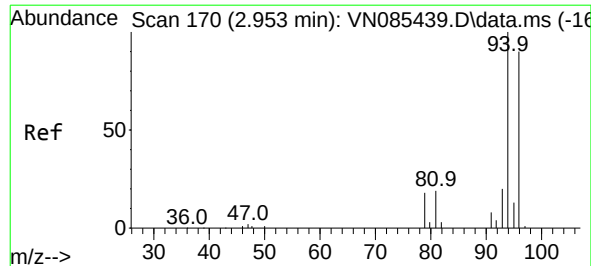
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#4
Vinyl Chloride
Concen: 9.653 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 62 Resp: 27862
Ion Ratio Lower Upper
62 100
64 31.2 24.8 37.2





#5

Bromomethane

Concen: 9.830 ug/l

RT: 2.965 min Scan# 171

Delta R.T. 0.012 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 94 Resp: 17139

Ion Ratio Lower Upper

94 100

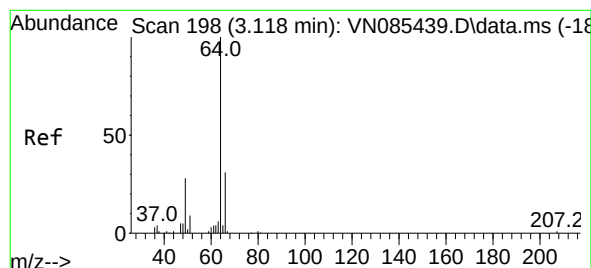
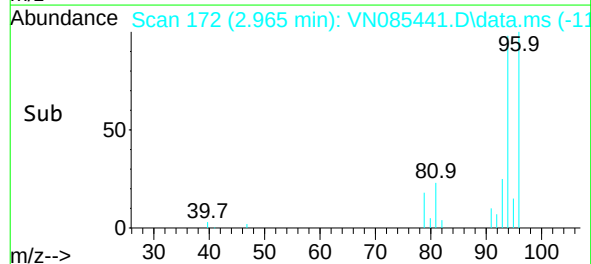
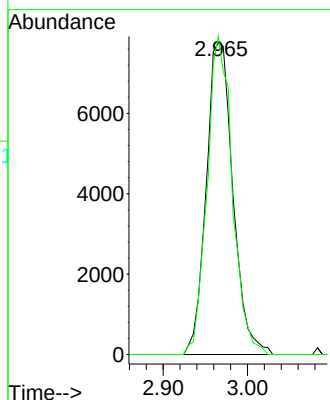
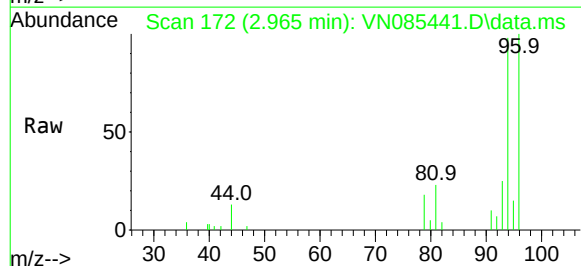
96 102.1 71.8 107.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#6

Chloroethane

Concen: 9.175 ug/l

RT: 3.130 min Scan# 200

Delta R.T. 0.012 min

Lab File: VN085441.D

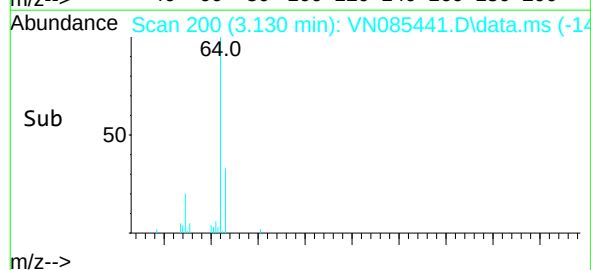
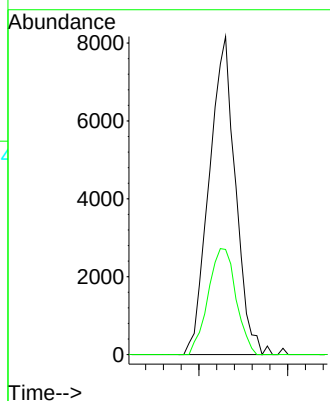
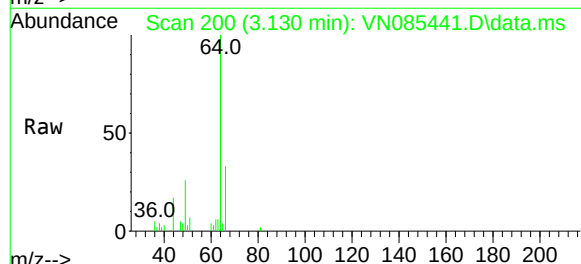
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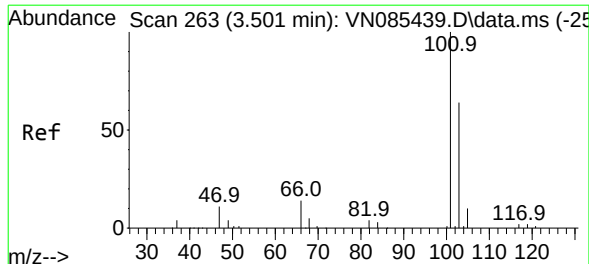
Tgt Ion: 64 Resp: 16791

Ion Ratio Lower Upper

64 100

66 33.1 24.6 36.8





#7

Trichlorofluoromethane

Concen: 9.731 ug/l

RT: 3.501 min Scan# 263

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:101 Resp: 40755

Ion Ratio Lower Upper

101 100

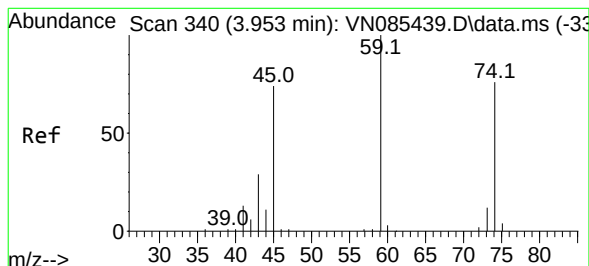
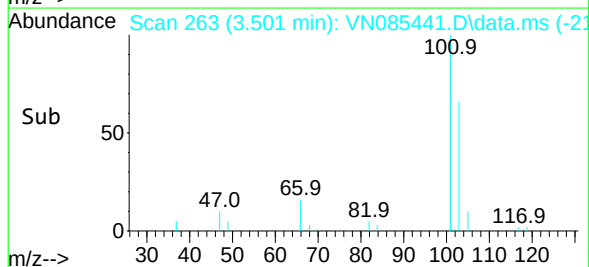
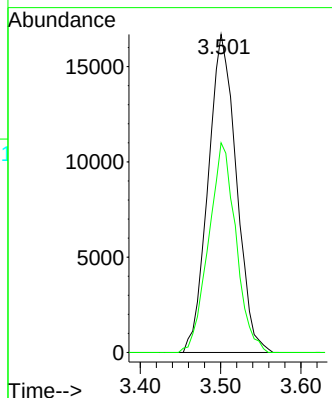
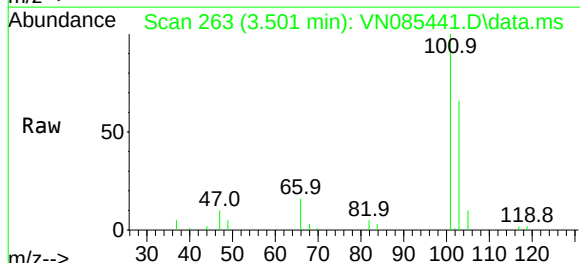
103 65.9 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#8

Diethyl Ether

Concen: 8.581 ug/l

RT: 3.953 min Scan# 340

Delta R.T. 0.000 min

Lab File: VN085441.D

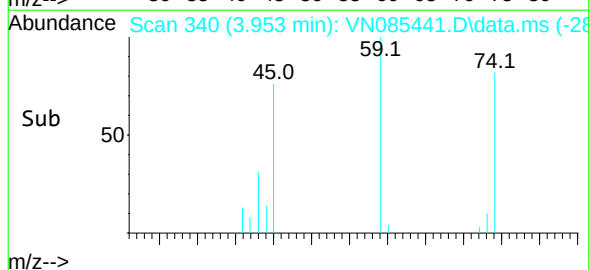
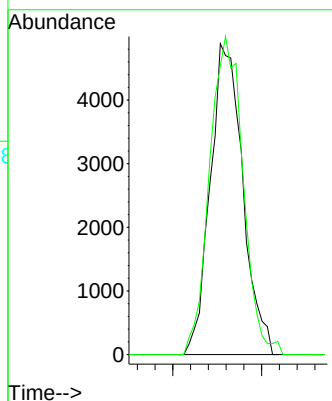
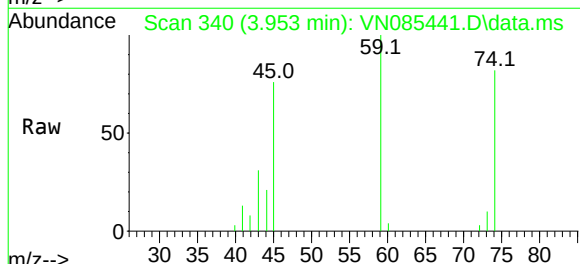
Acq: 14 Jan 2025 16:07

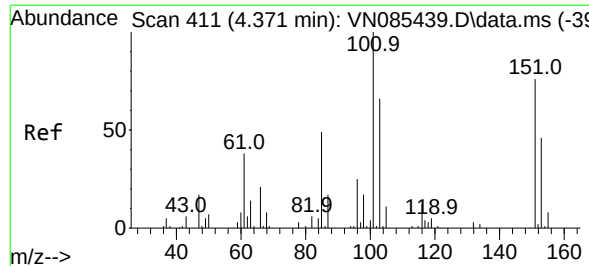
Tgt Ion: 74 Resp: 12415

Ion Ratio Lower Upper

74 100

45 105.3 49.7 149.1





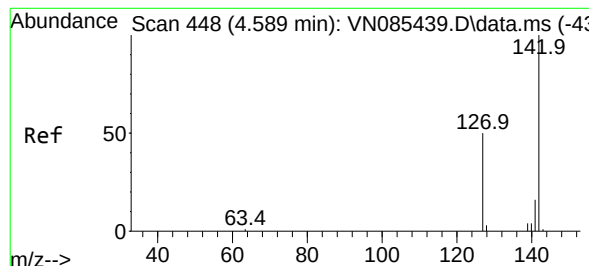
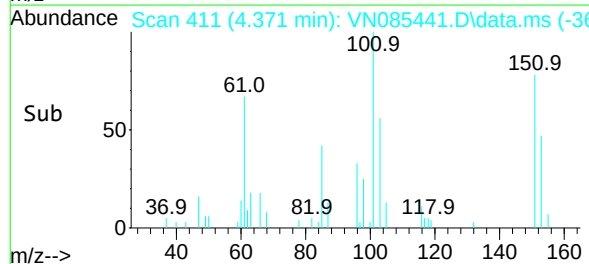
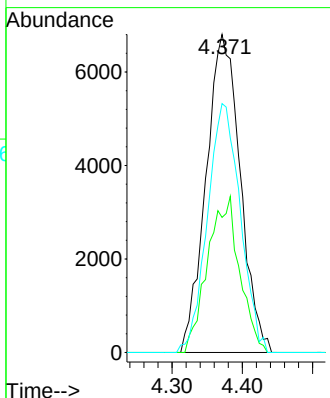
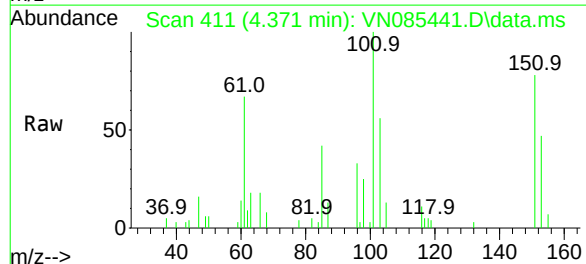
#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.742 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion	101	Resp	22982
Ion Ratio	Lower	Upper	
101	100		
85	45.8	37.8	56.8
151	75.2	58.8	88.2

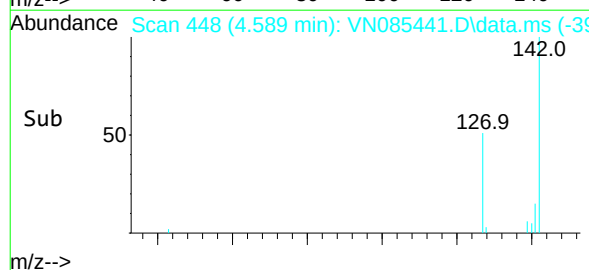
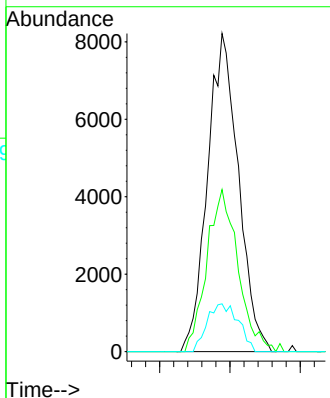
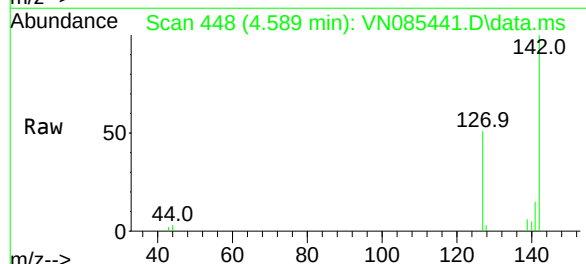
Manual Integrations
APPROVED

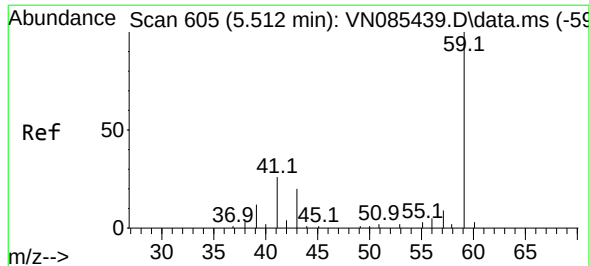
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#10
Methyl Iodide
Concen: 9.286 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion	142	Resp	25085
Ion Ratio	Lower	Upper	
142	100		
127	50.9	40.3	60.5
141	15.0	12.8	19.2





#11

Tert butyl alcohol

Concen: 49.608 ug/l

RT: 5.512 min Scan# 605

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 17962

Ion Ratio Lower Upper

59 100

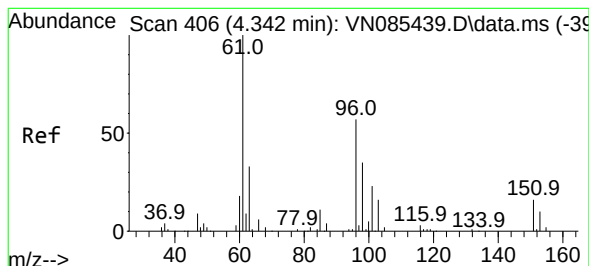
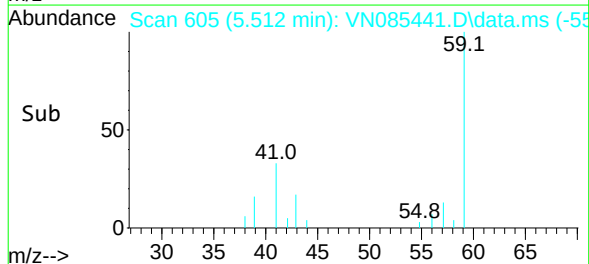
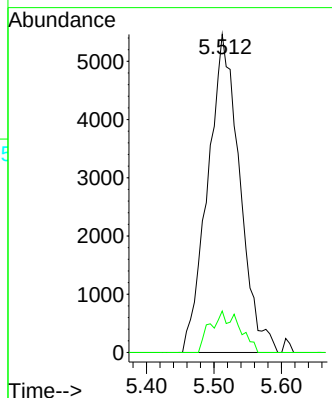
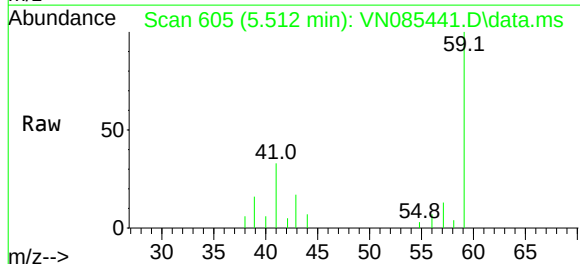
57 11.9 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#12

1,1-Dichloroethene

Concen: 9.806 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

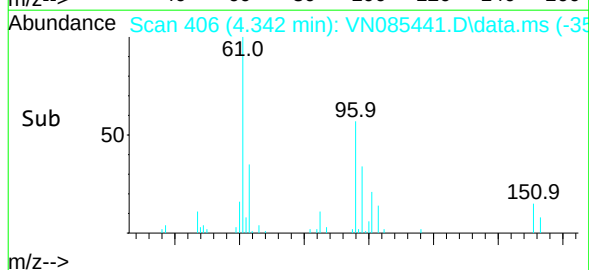
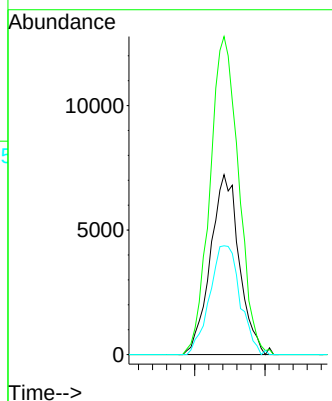
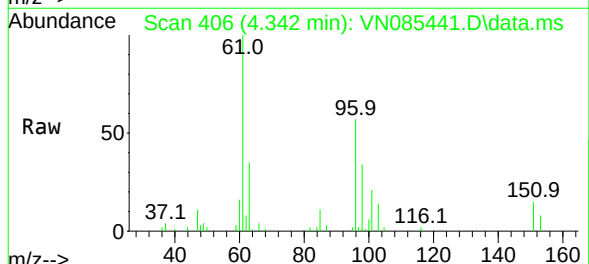
Tgt Ion: 96 Resp: 20615

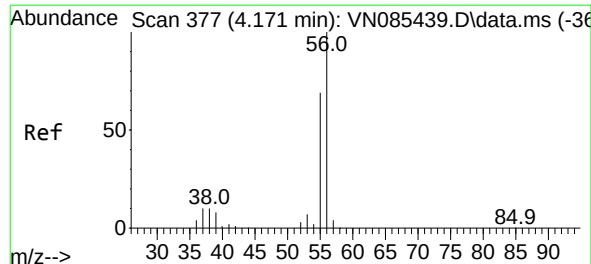
Ion Ratio Lower Upper

96 100

61 176.8 141.0 211.4

98 60.5 49.0 73.6





#13

Acrolein

Concen: 51.729 ug/l

RT: 4.177 min Scan# 377

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 25568

Ion Ratio Lower Upper

56 100

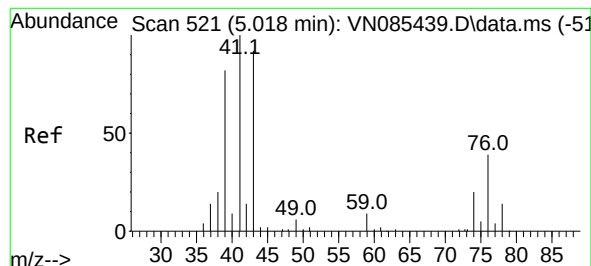
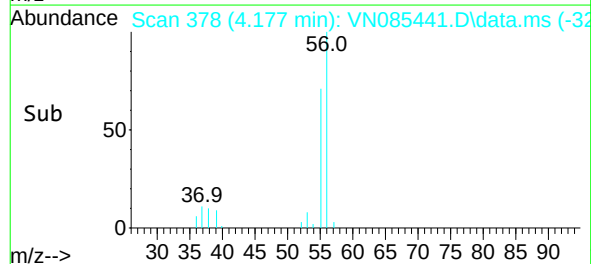
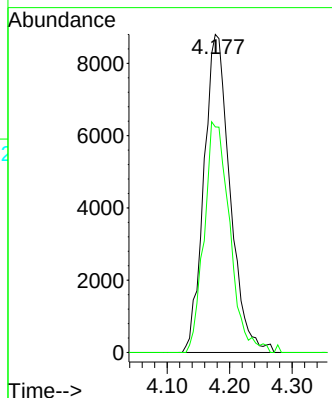
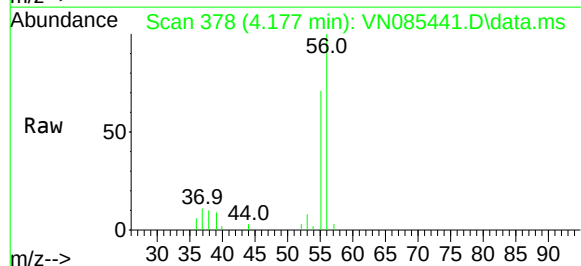
55 70.9 56.3 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#14

Allyl chloride

Concen: 9.451 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

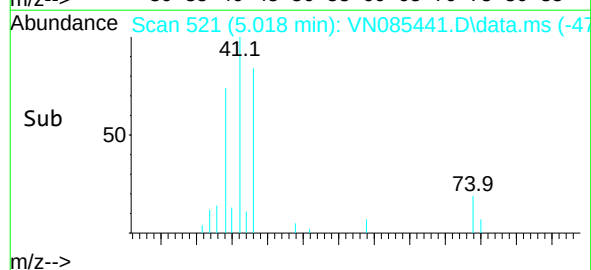
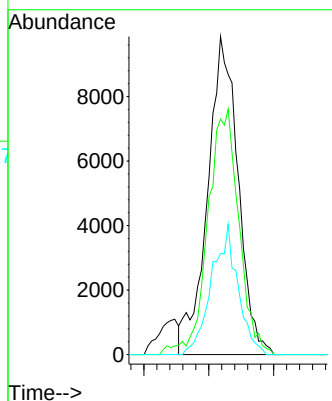
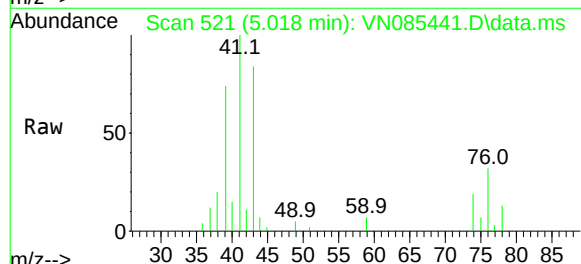
Tgt Ion: 41 Resp: 32240

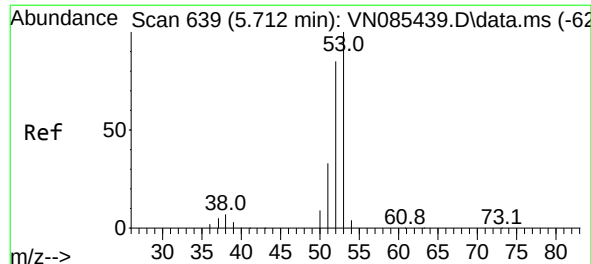
Ion Ratio Lower Upper

41 100

39 78.3 64.4 96.6

76 35.1 30.5 45.7





#15

Acrylonitrile

Concen: 46.918 ug/l

RT: 5.712 min Scan# 63

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

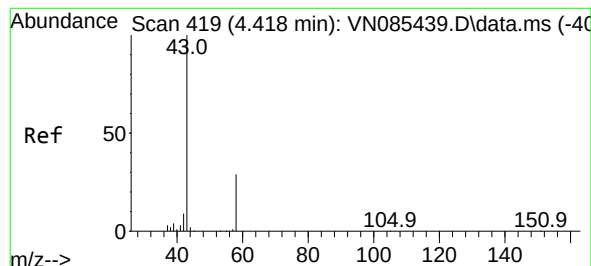
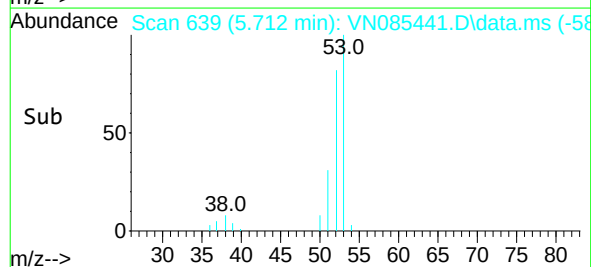
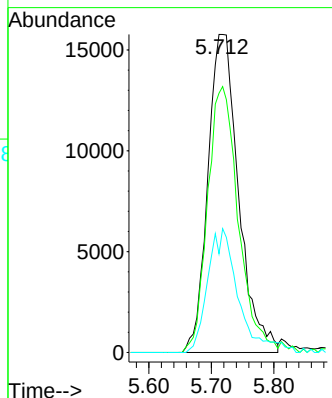
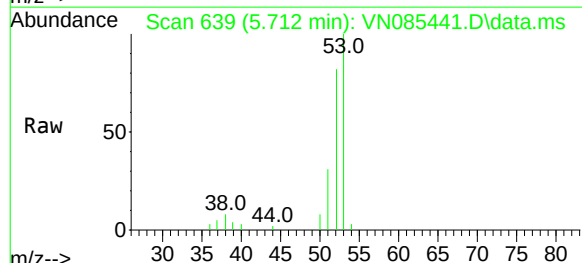
ClientSampleId :

VSTDICC010

Tgt Ion:	53	Resp:	53959
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.5	98.3
51	38.8	29.8	44.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#16

Acetone

Concen: 47.446 ug/l

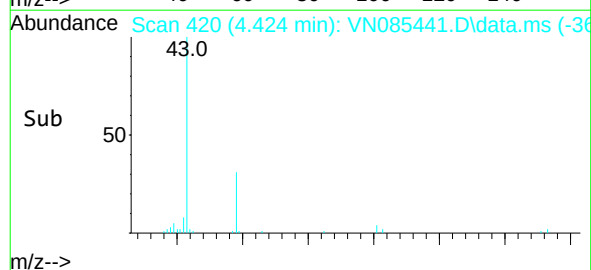
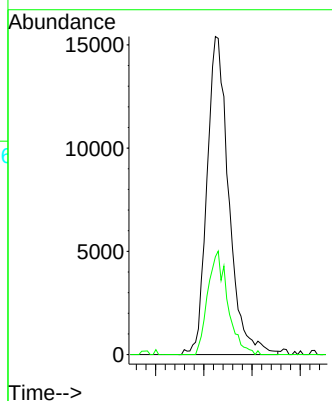
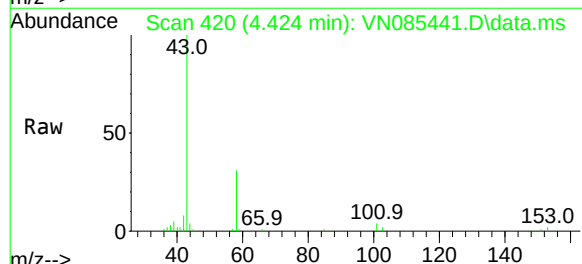
RT: 4.424 min Scan# 420

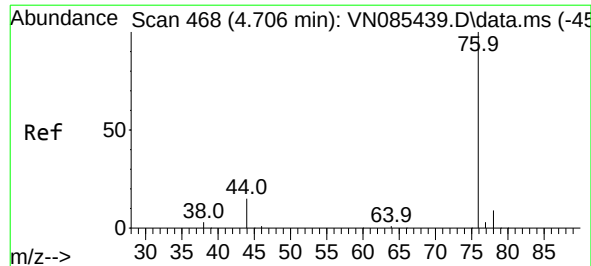
Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion:	43	Resp:	48475
Ion	Ratio	Lower	Upper
43	100		
58	30.8	23.8	35.6





#17

Carbon Disulfide

Concen: 9.300 ug/l

RT: 4.712 min Scan# 46

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 76 Resp: 60201

Ion Ratio Lower Upper

76 100

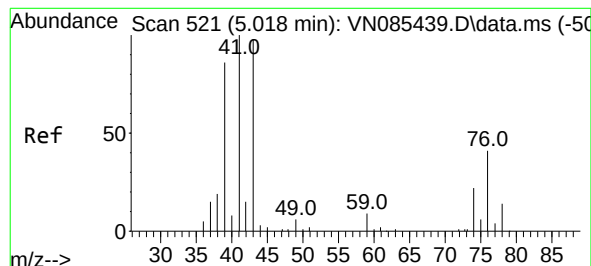
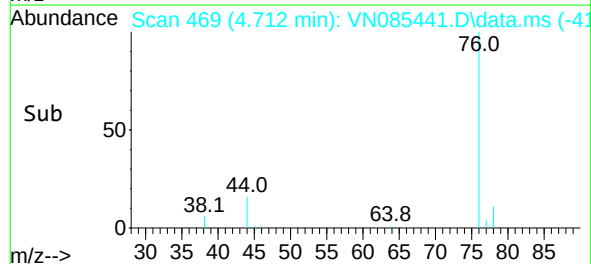
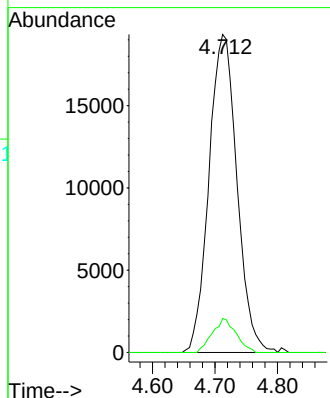
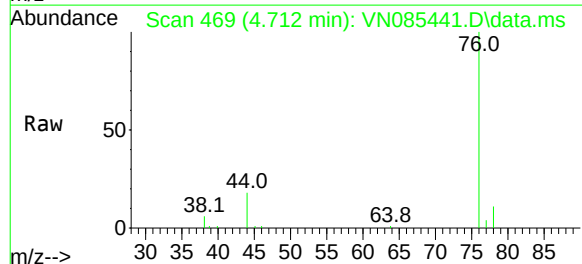
78 10.7 6.9 10.3#

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#18

Methyl Acetate

Concen: 9.817 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.012 min

Lab File: VN085441.D

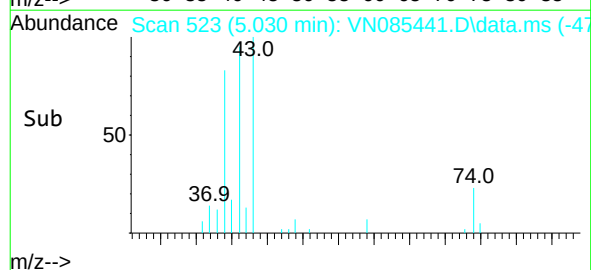
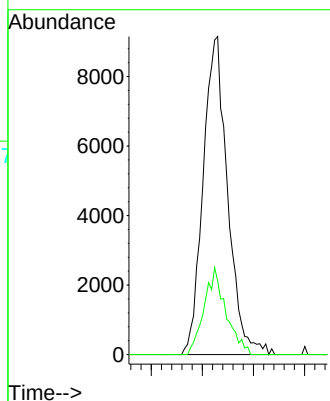
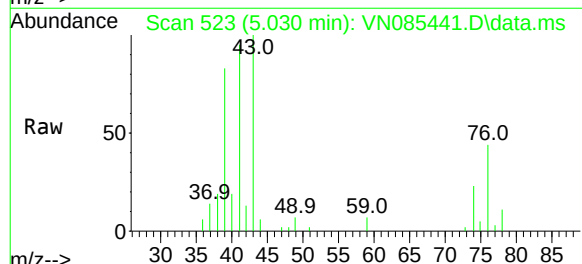
Acq: 14 Jan 2025 16:07

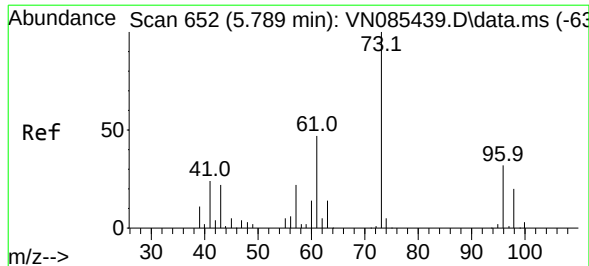
Tgt Ion: 43 Resp: 30500

Ion Ratio Lower Upper

43 100

74 24.3 18.6 28.0





#19

Methyl tert-butyl Ether

Concen: 9.552 ug/l

RT: 5.789 min Scan# 65

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 73 Resp: 65207

Ion Ratio Lower Upper

73 100

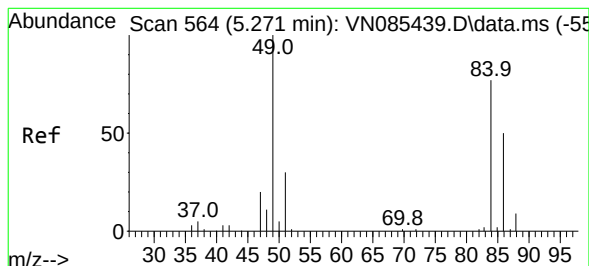
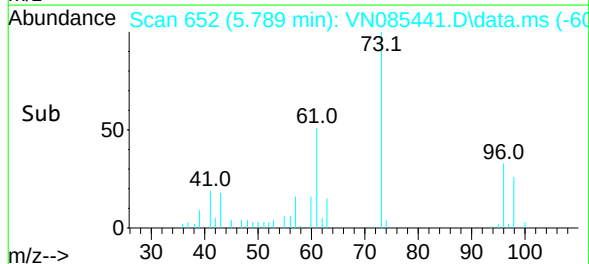
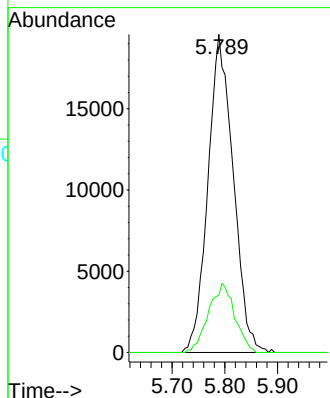
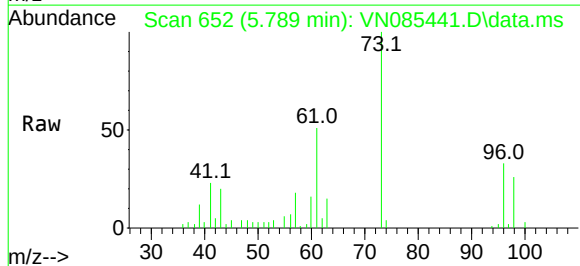
57 18.1 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#20

Methylene Chloride

Concen: 9.379 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion: 84 Resp: 23723

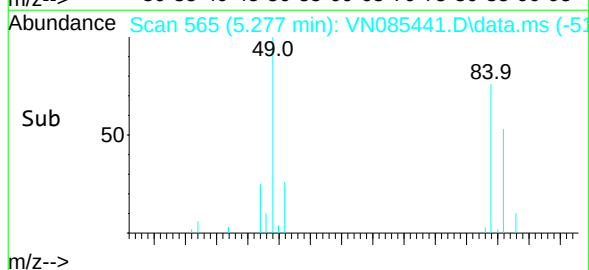
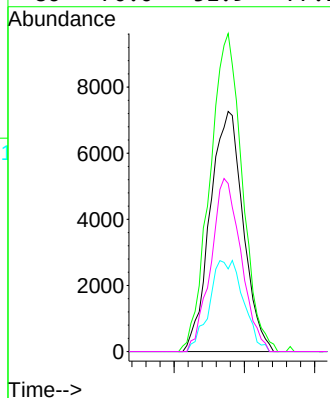
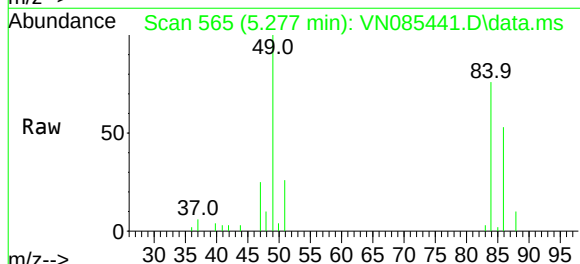
Ion Ratio Lower Upper

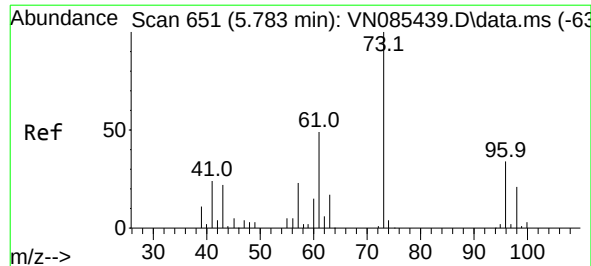
84 100

49 132.4 104.1 156.1

51 34.4 31.0 46.4

86 70.0 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 9.403 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.000 min

Lab File: VN085441.D

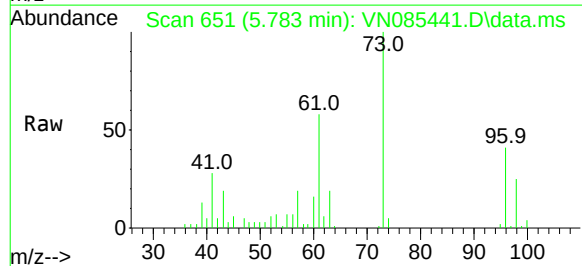
Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

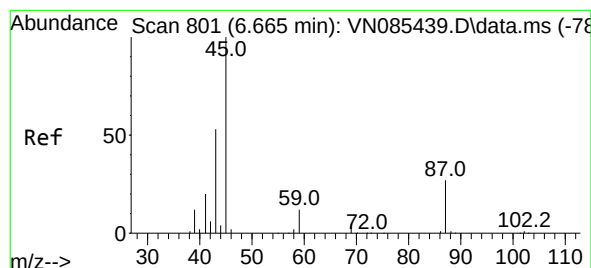
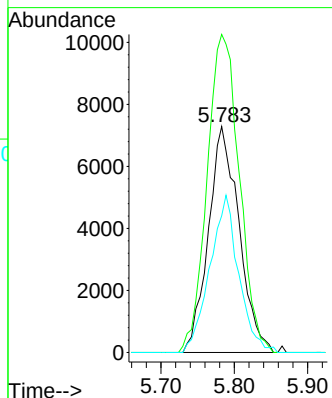
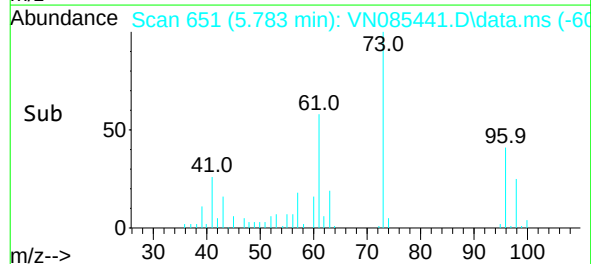
VSTDIC010



Tgt Ion:	96	Resp:	21127
Ion	Ratio	Lower	Upper
96	100		
61	140.8	115.7	173.5
98	60.5	49.8	74.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#22

Diisopropyl ether

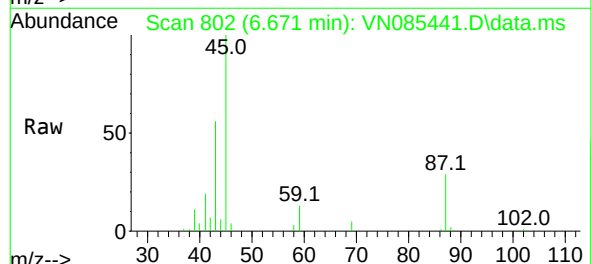
Concen: 9.490 ug/l

RT: 6.671 min Scan# 802

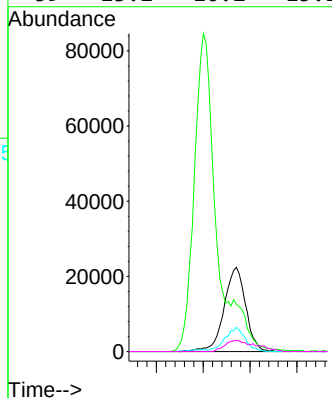
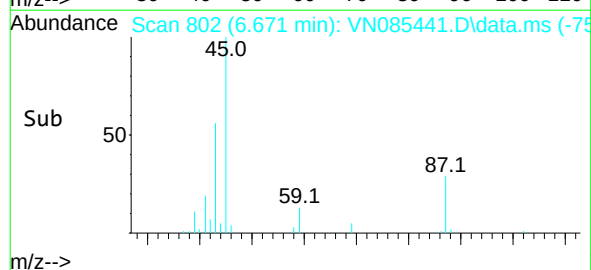
Delta R.T. 0.006 min

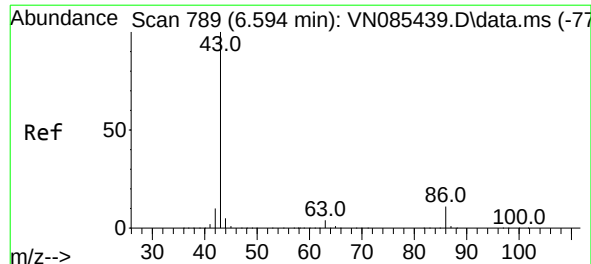
Lab File: VN085441.D

Acq: 14 Jan 2025 16:07



Tgt Ion:	45	Resp:	71857
Ion	Ratio	Lower	Upper
45	100		
43	53.2	45.0	67.6
87	28.8	21.8	32.8
59	13.2	10.2	15.2





#23

Vinyl Acetate

Concen: 47.125 ug/l

RT: 6.600 min Scan# 790

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 43 Resp: 250575

Ion Ratio Lower Upper

43 100

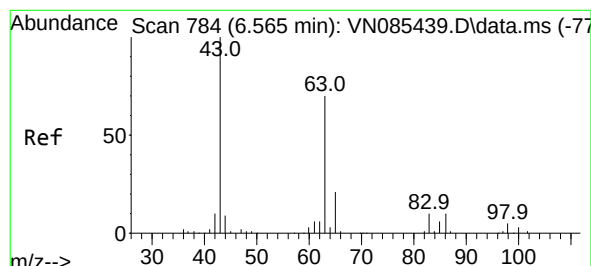
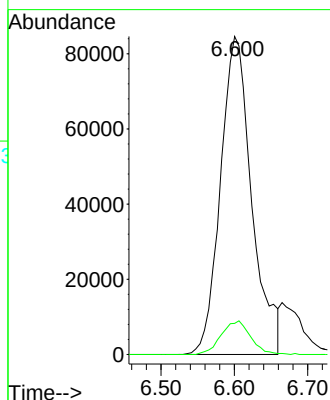
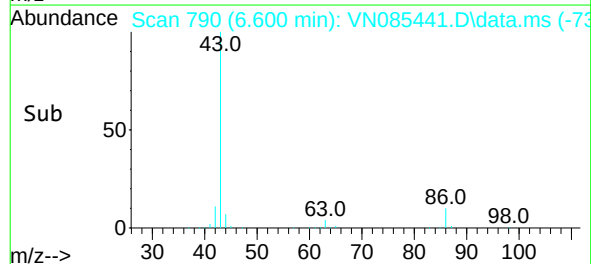
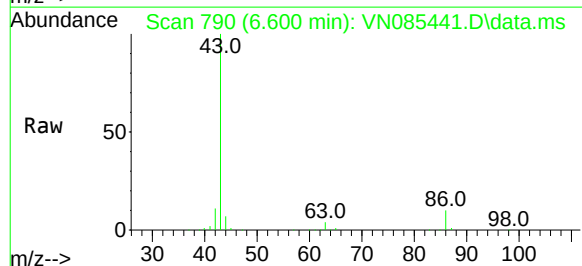
86 9.8 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#24

1,1-Dichloroethane

Concen: 9.335 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

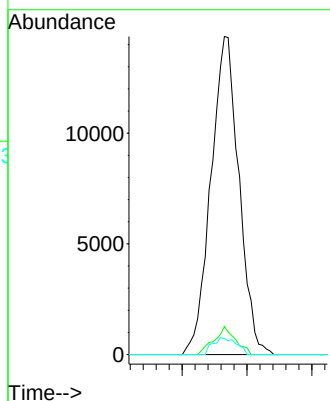
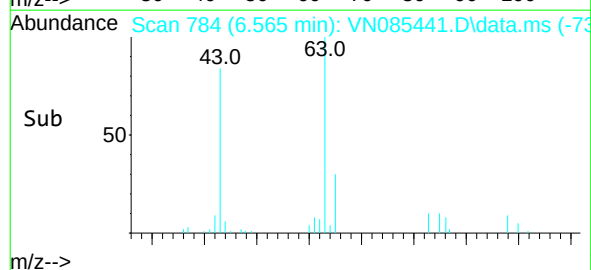
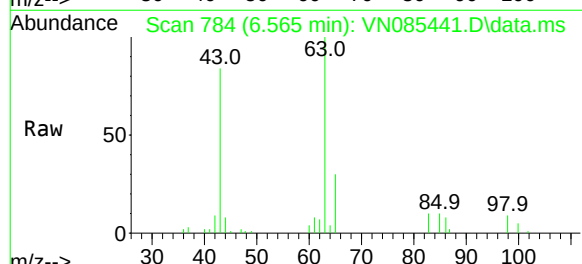
Tgt Ion: 63 Resp: 43099

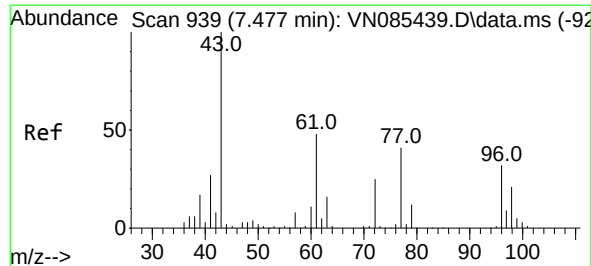
Ion Ratio Lower Upper

63 100

98 8.8 3.3 9.8

100 5.0 2.0 6.0





#25

2-Butanone

Concen: 47.350 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion: 43 Resp: 71191

Ion Ratio Lower Upper

43 100

72 24.8 20.2 30.4

Instrument :

MSVOA_N

ClientSampleId :

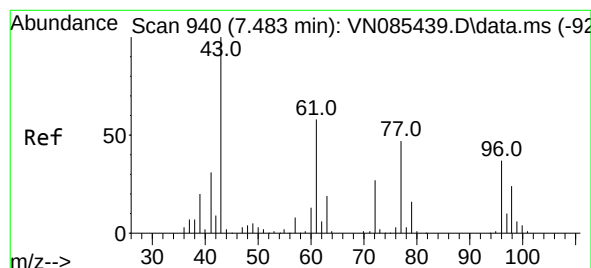
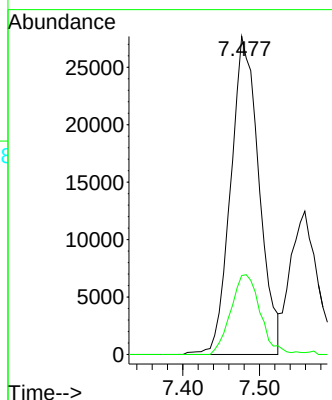
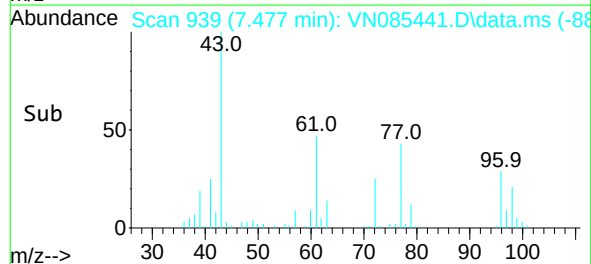
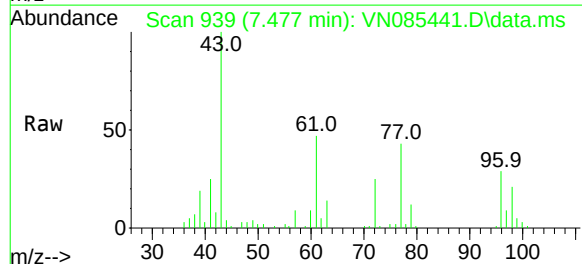
VSTDIC010

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#26

2,2-Dichloropropane

Concen: 9.672 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN085441.D

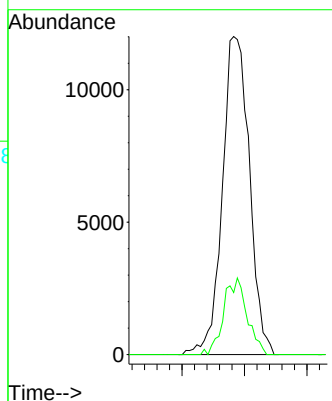
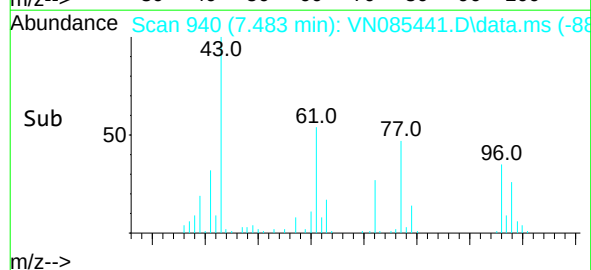
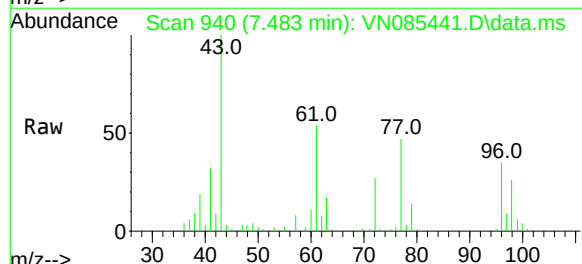
Acq: 14 Jan 2025 16:07

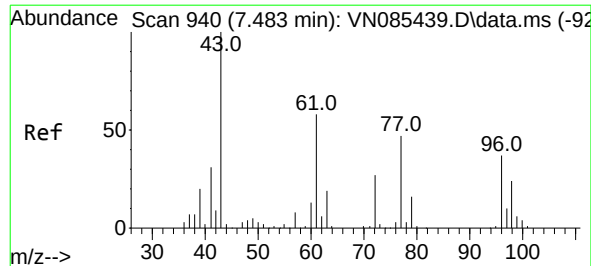
Tgt Ion: 77 Resp: 36105

Ion Ratio Lower Upper

77 100

97 20.8 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 9.466 ug/l

RT: 7.489 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 25049

Ion Ratio Lower Upper

96 100

61 151.8 0.0 311.8

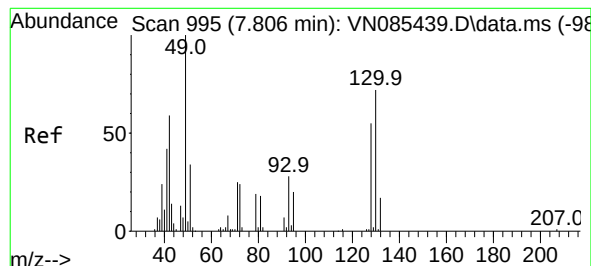
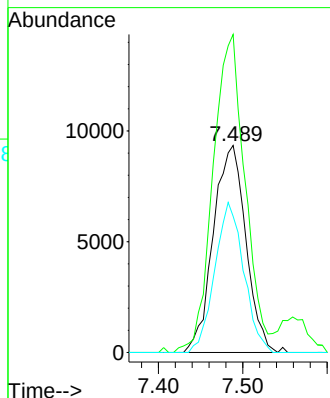
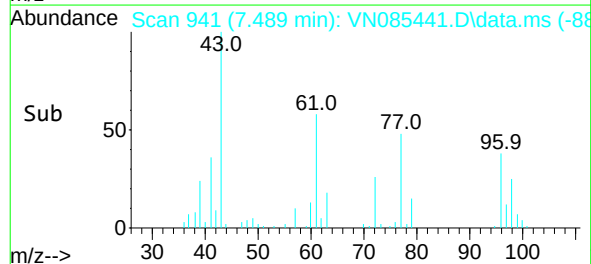
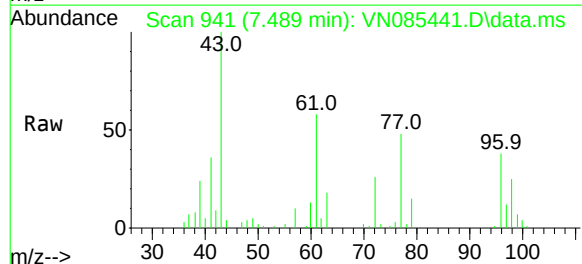
98 64.7 0.0 126.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#28

Bromochloromethane

Concen: 8.863 ug/l

RT: 7.806 min Scan# 995

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

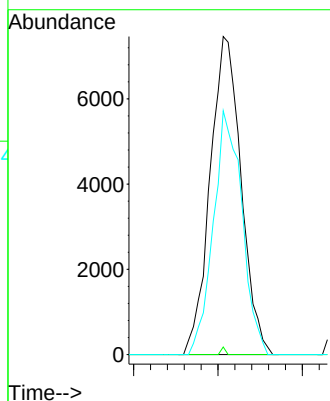
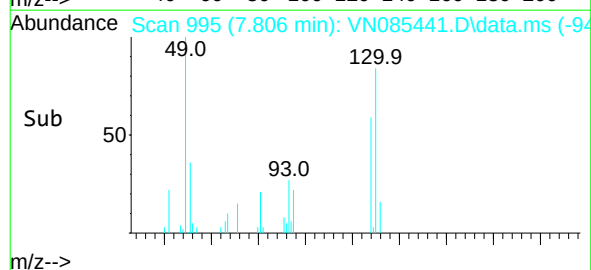
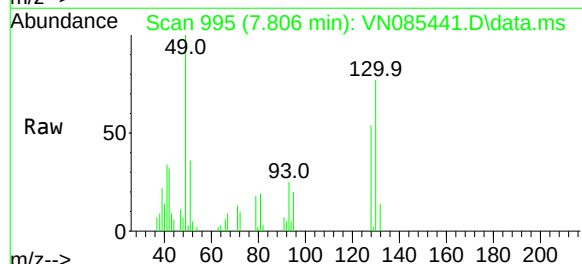
Tgt Ion: 49 Resp: 19037

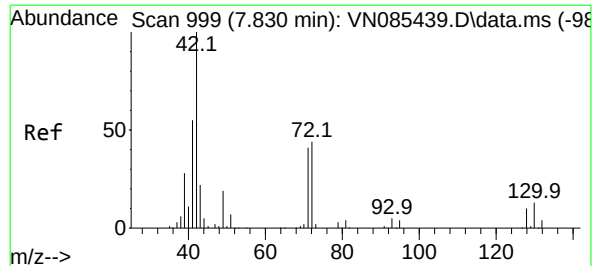
Ion Ratio Lower Upper

49 100

129 0.3 0.0 4.4

130 70.8 55.0 82.4





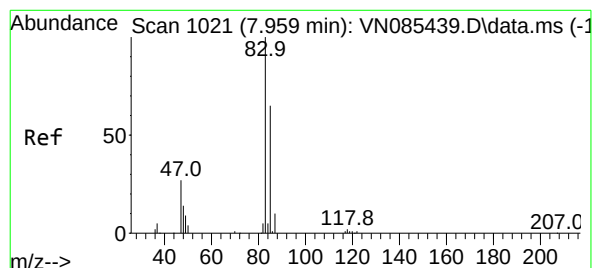
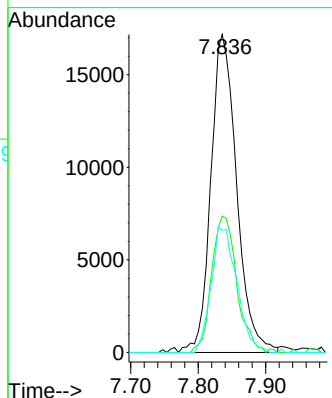
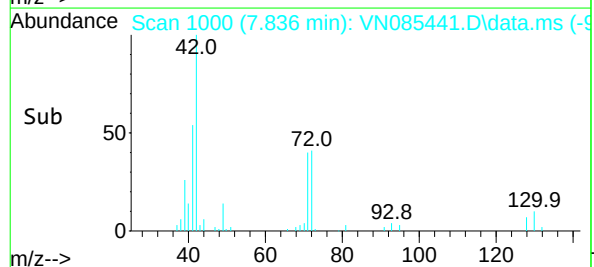
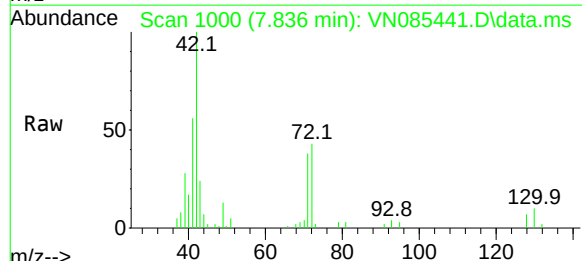
#29
Tetrahydrofuran
Concen: 47.881 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 45641
Ion Ratio Lower Upper
42 100
72 41.6 34.2 51.2
71 39.2 32.5 48.7

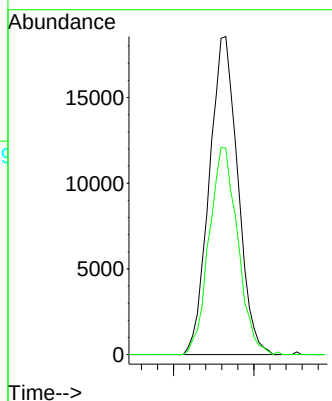
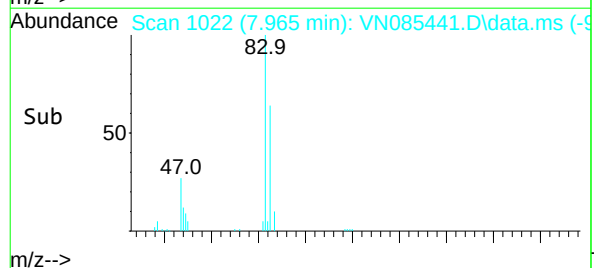
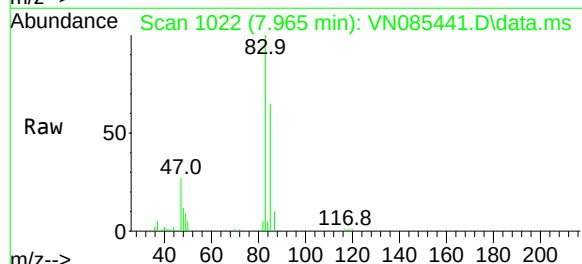
Manual Integrations
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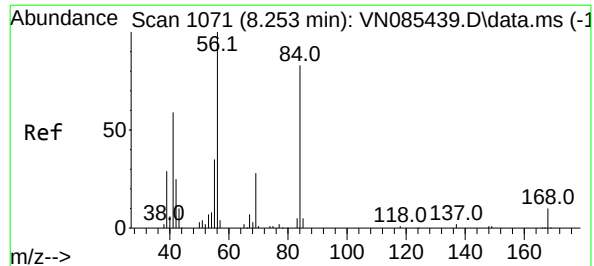
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#30
Chloroform
Concen: 9.596 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 83 Resp: 45792
Ion Ratio Lower Upper
83 100
85 64.9 51.8 77.6





#31

Cyclohexane

Concen: 10.020 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 40211

Ion Ratio Lower Upper

56 100

69 34.2 22.2 33.4

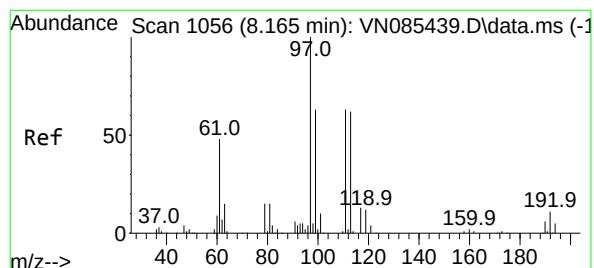
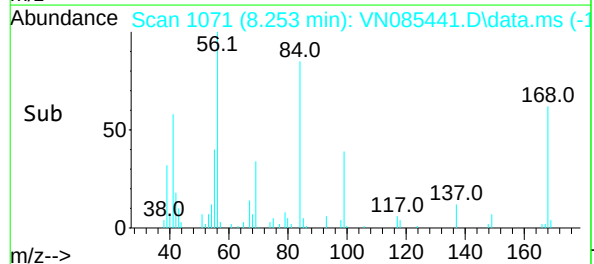
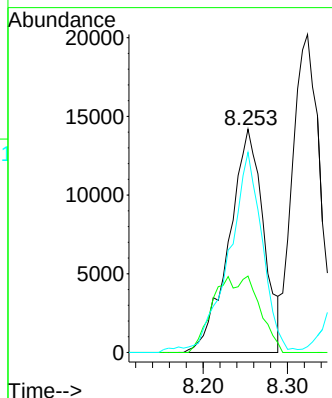
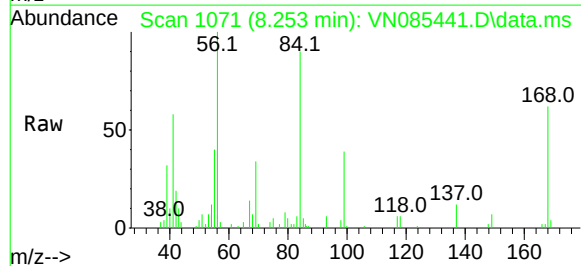
84 87.2 66.4 99.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#32

1,1,1-Trichloroethane

Concen: 9.358 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

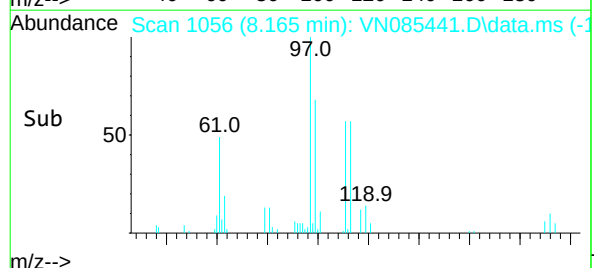
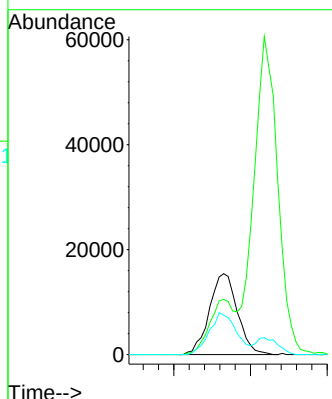
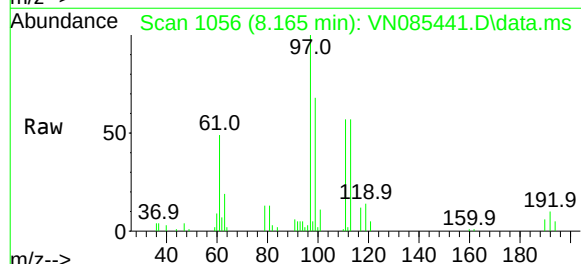
Tgt Ion: 97 Resp: 39170

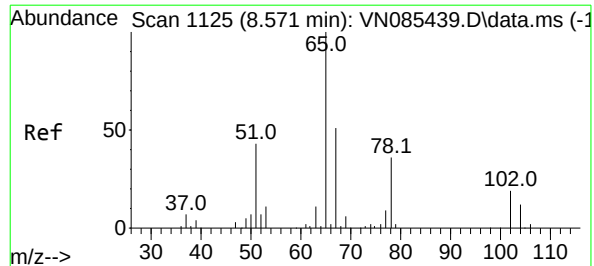
Ion Ratio Lower Upper

97 100

99 62.6 49.8 74.6

61 50.2 41.4 62.2





#33

1,2-Dichloroethane-d4

Concen: 9.442 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 29856

Ion Ratio Lower Upper

65 100

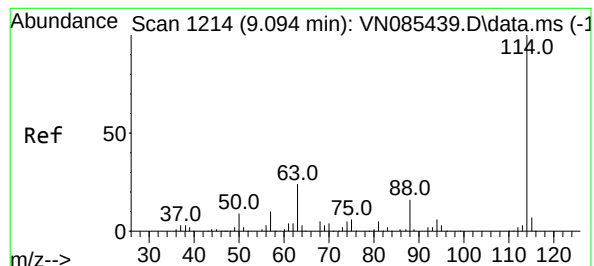
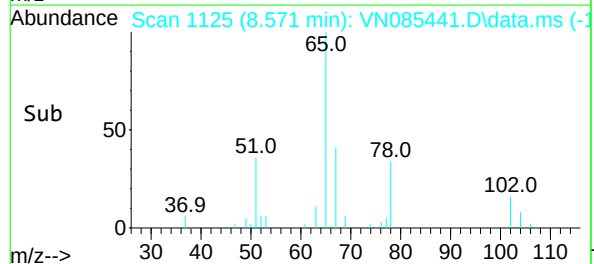
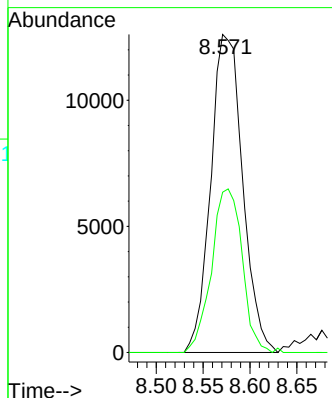
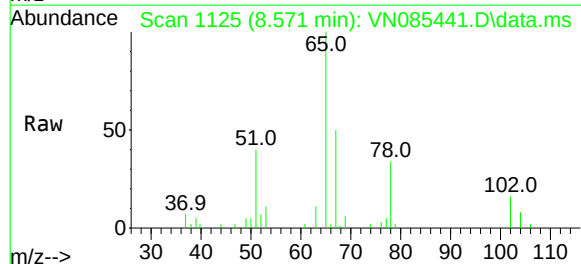
67 49.5 0.0 101.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

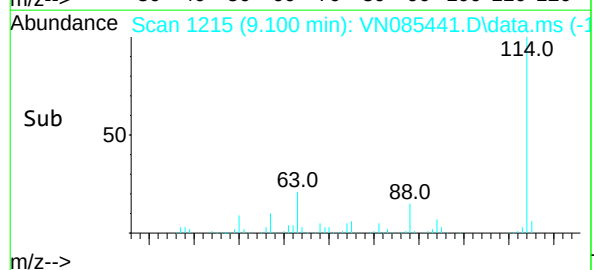
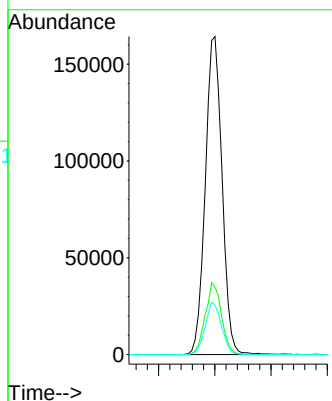
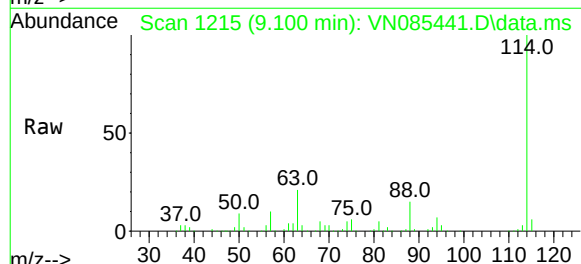
Tgt Ion:114 Resp: 340403

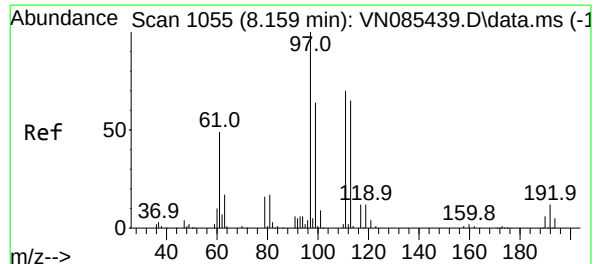
Ion Ratio Lower Upper

114 100

63 21.1 0.0 47.6

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 8.939 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 113 Resp: 21110

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

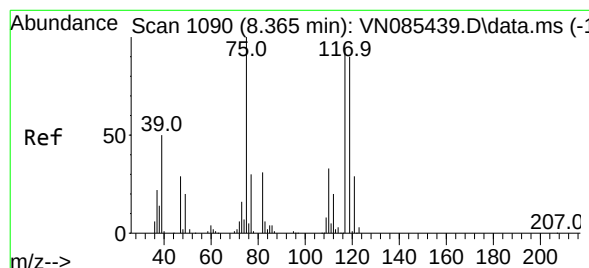
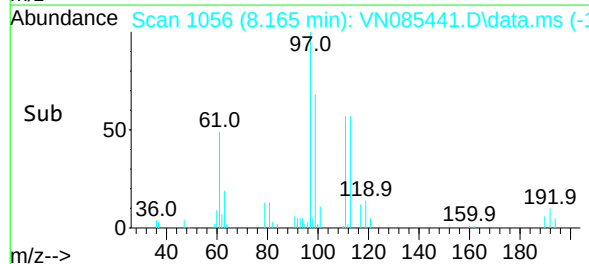
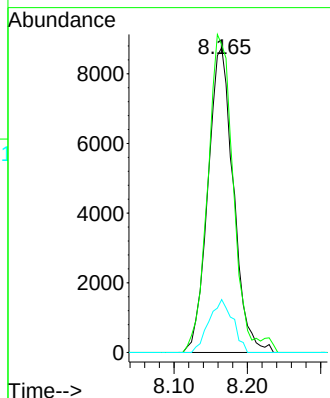
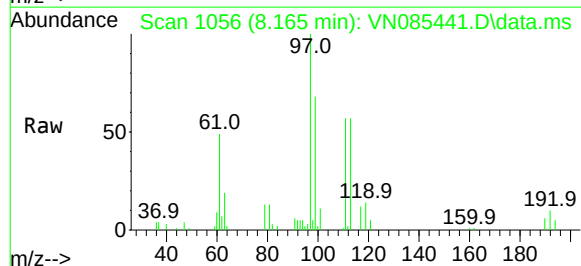
192 16.4 14.3 21.5

Manual Integrations

APPROVED

Reviewed By : John Carlone 01/15/2025

Supervised By : Mahesh Dadoda 01/15/2025



#36

1,1-Dichloropropene

Concen: 9.056 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

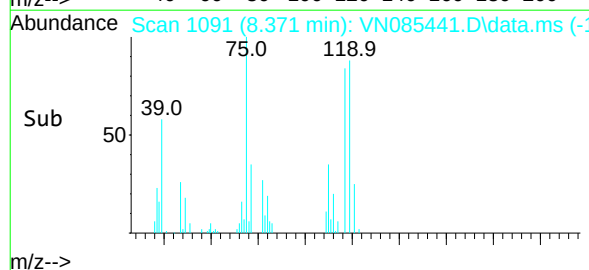
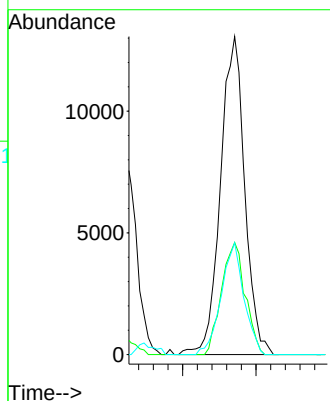
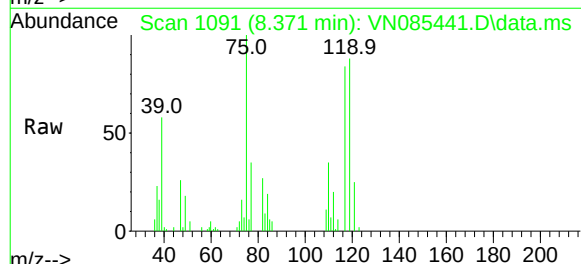
Tgt Ion: 75 Resp: 30015

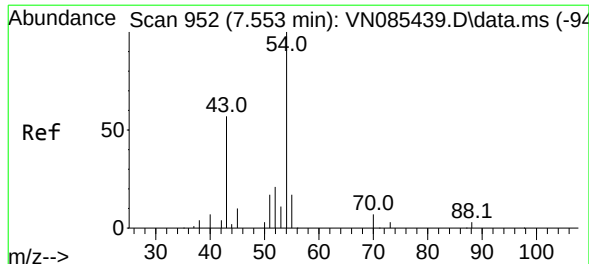
Ion Ratio Lower Upper

75 100

110 34.3 16.5 49.5

77 32.9 24.4 36.6





#37

Ethyl Acetate

Concen: 9.195 ug/l

RT: 7.559 min Scan# 952

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

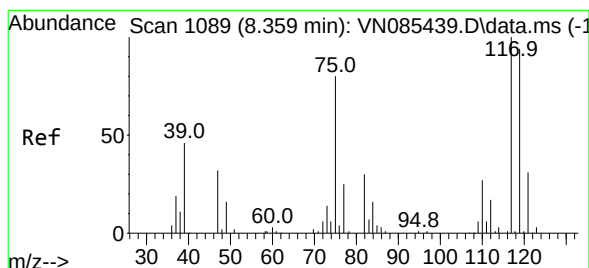
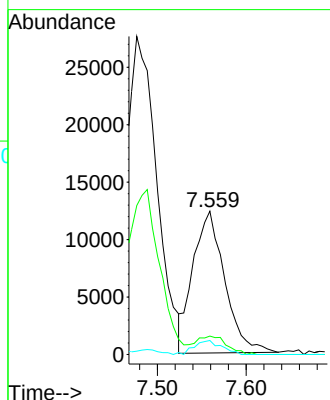
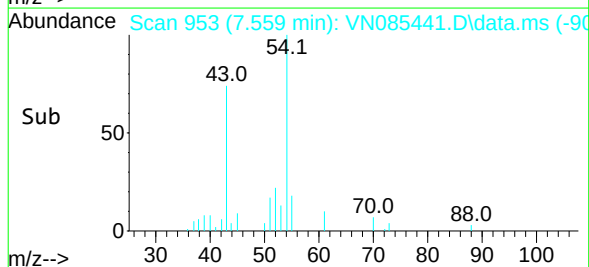
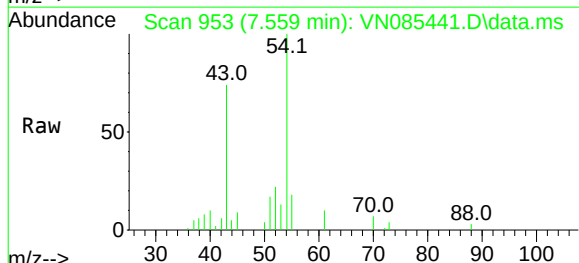
ClientSampleId :

VSTDICC010

Tgt Ion:	43	Resp:	30760
Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.9	16.3
70	8.4	7.5	11.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#38

Carbon Tetrachloride

Concen: 9.492 ug/l

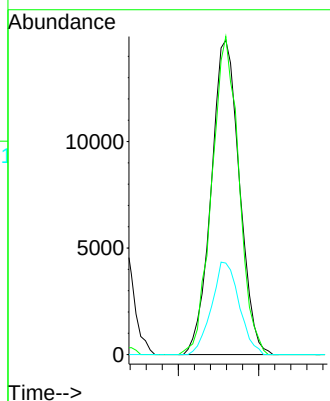
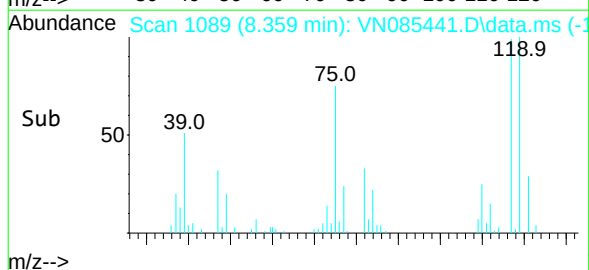
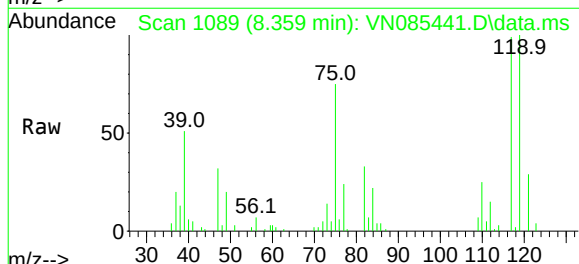
RT: 8.359 min Scan# 1089

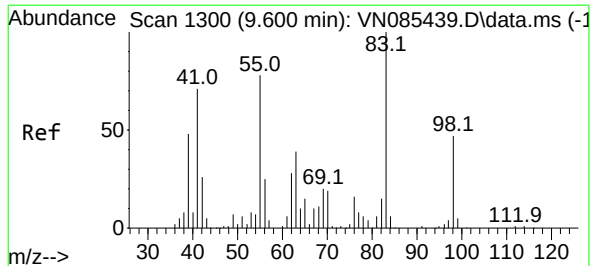
Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion:	117	Resp:	36015
Ion	Ratio	Lower	Upper
117	100		
119	101.2	75.4	113.2
121	29.1	24.6	37.0





#39

Methylcyclohexane

Concen: 8.900 ug/l

RT: 9.594 min Scan# 12

Delta R.T. -0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 83 Resp: 27721

Ion Ratio Lower Upper

83 100

55 83.8 62.6 94.0

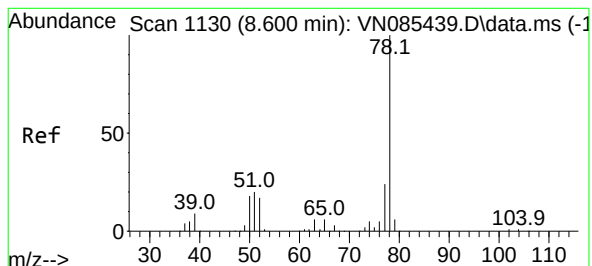
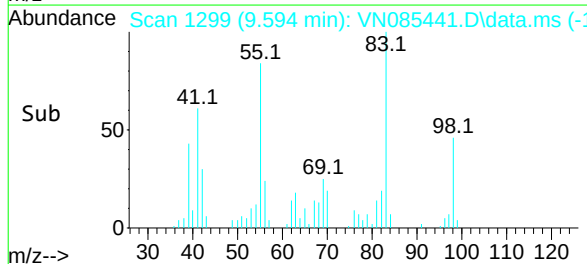
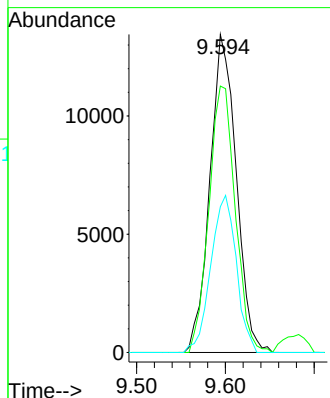
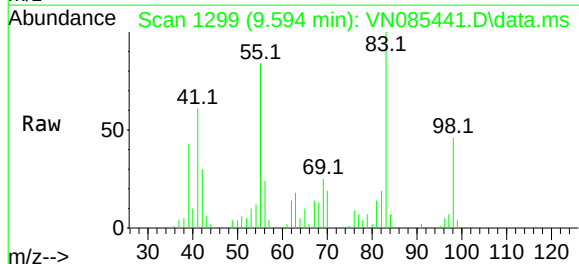
98 45.8 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#40

Benzene

Concen: 9.407 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085441.D

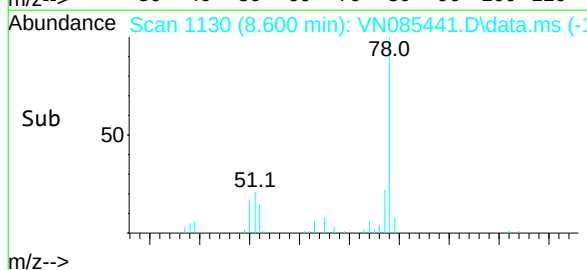
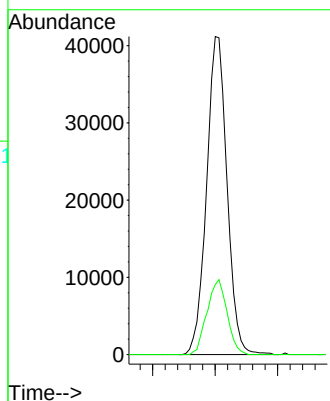
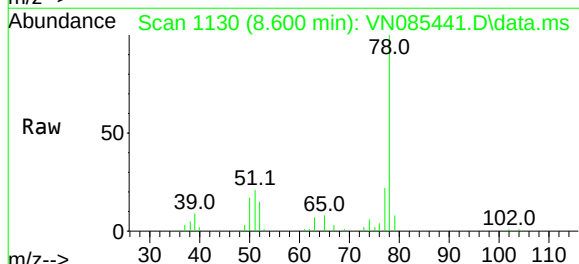
Acq: 14 Jan 2025 16:07

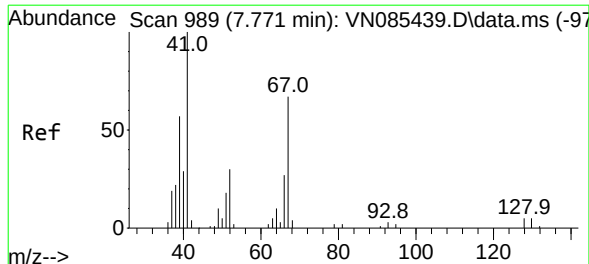
Tgt Ion: 78 Resp: 93680

Ion Ratio Lower Upper

78 100

77 22.0 19.0 28.6





#41

Methacrylonitrile

Concen: 9.686 ug/l

RT: 7.777 min Scan# 990

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

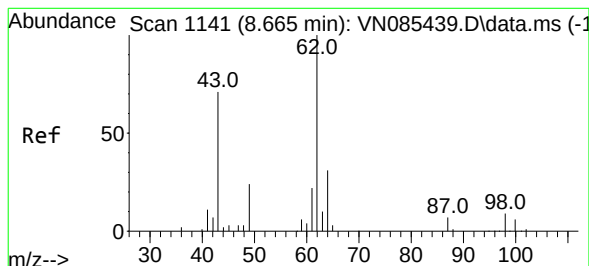
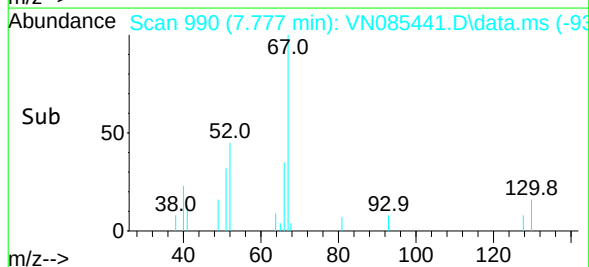
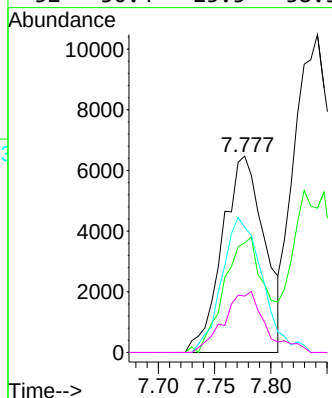
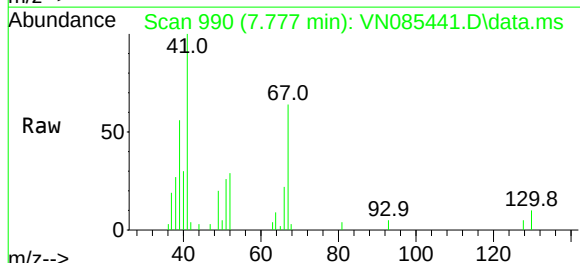
VSTDICC010

Tgt Ion:	41	Resp:	16859
Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.0	69.0
67	66.2	57.4	86.2
52	30.4	25.5	38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#42

1,2-Dichloroethane

Concen: 9.483 ug/l

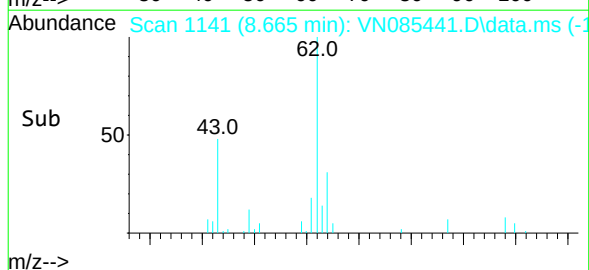
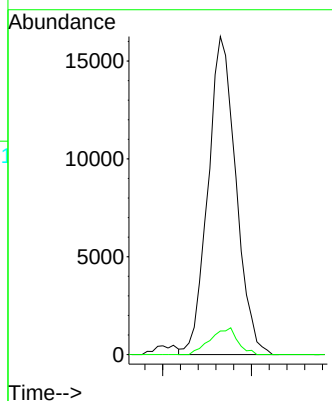
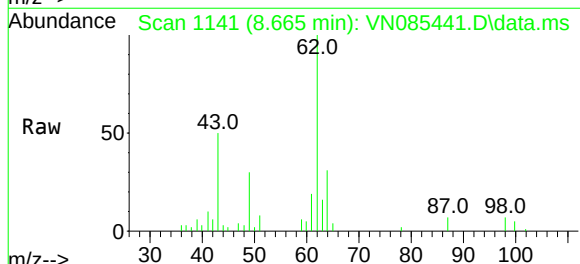
RT: 8.665 min Scan# 1141

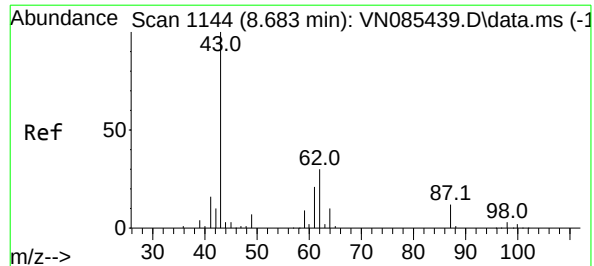
Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion:	62	Resp:	35569
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.0





#43

Isopropyl Acetate

Concen: 9.127 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 48926

Ion Ratio Lower Upper

43 100

61 26.2 20.7 31.1

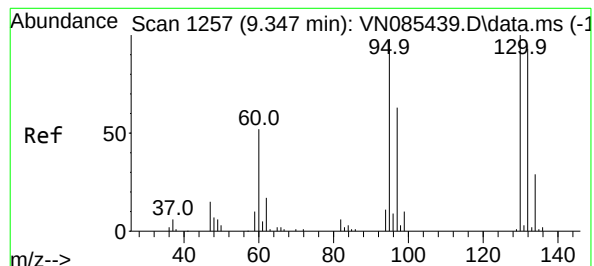
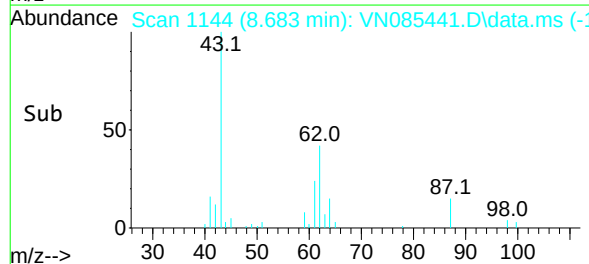
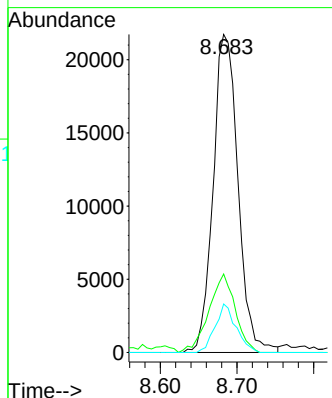
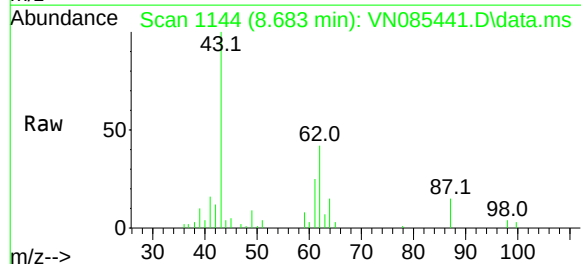
87 12.8 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#44

Trichloroethene

Concen: 9.108 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN085441.D

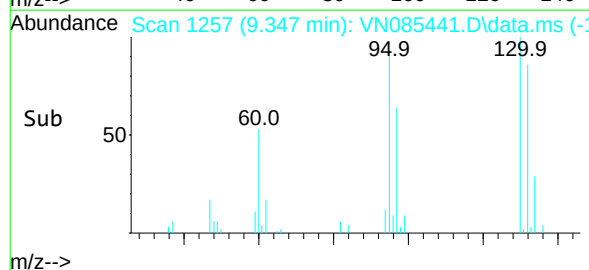
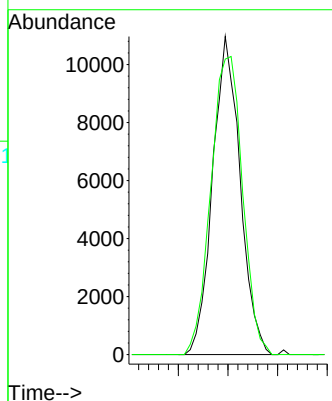
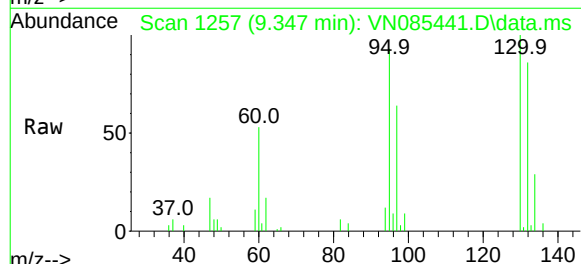
Acq: 14 Jan 2025 16:07

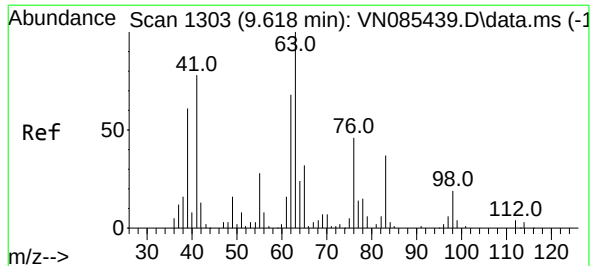
Tgt Ion:130 Resp: 21113

Ion Ratio Lower Upper

130 100

95 92.9 0.0 195.8





#45

1,2-Dichloropropane

Concen: 8.942 ug/l

RT: 9.618 min Scan# 13

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 63 Resp: 22747

Ion Ratio Lower Upper

63 100

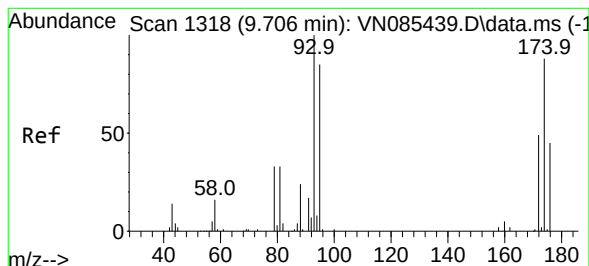
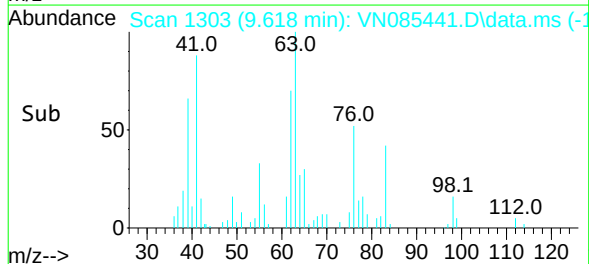
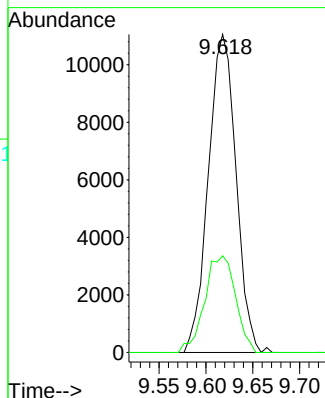
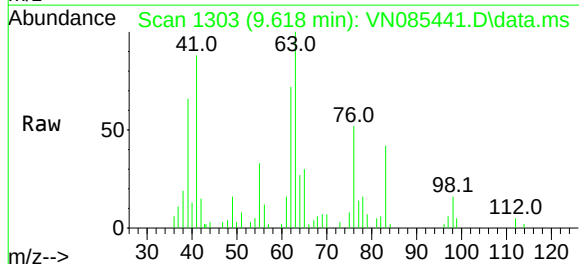
65 30.4 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#46

Dibromomethane

Concen: 9.404 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

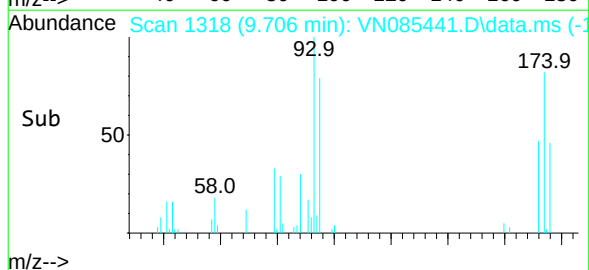
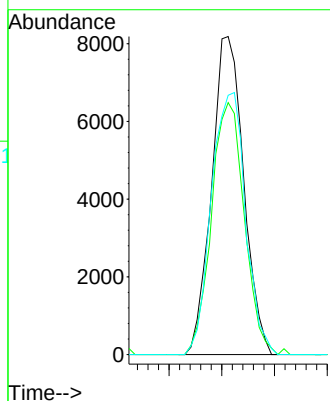
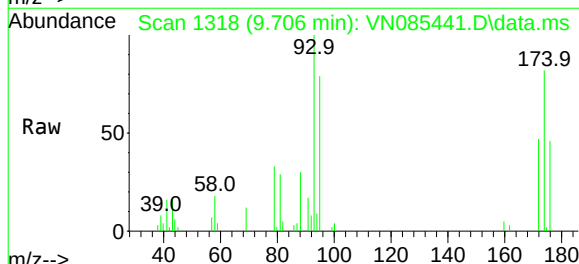
Tgt Ion: 93 Resp: 17260

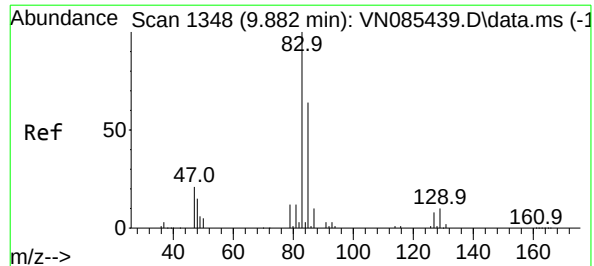
Ion Ratio Lower Upper

93 100

95 81.5 64.7 97.1

174 87.8 69.0 103.4





#47

Bromodichloromethane

Concen: 9.365 ug/l

RT: 9.883 min Scan# 1348

Delta R.T. 0.001 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

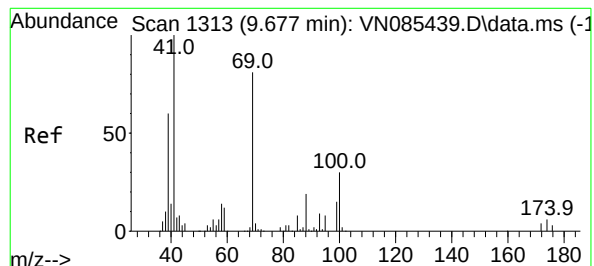
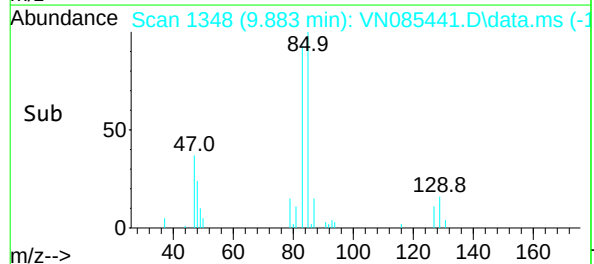
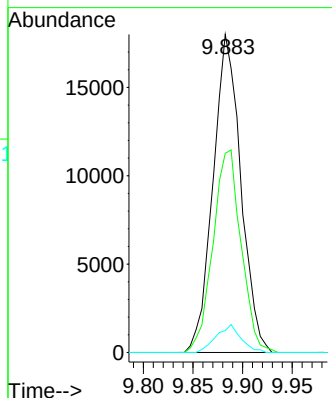
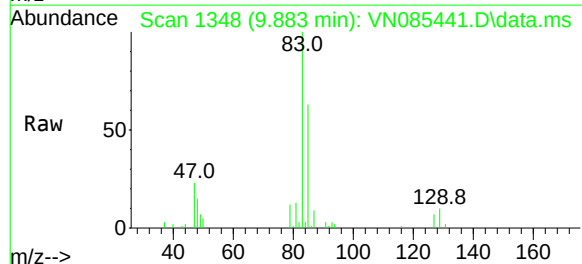
VSTDIC010

Tgt Ion:	83	Resp:	35020
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.2	76.8
127	6.9	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#48

Methyl methacrylate

Concen: 9.067 ug/l

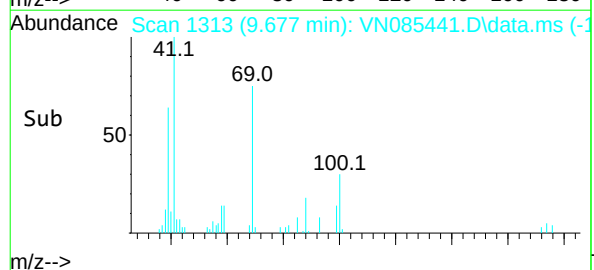
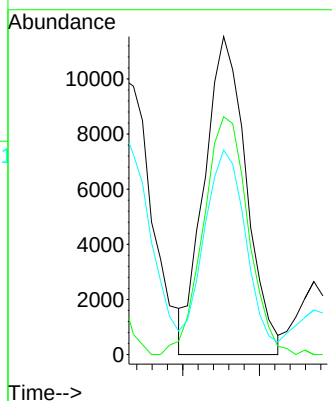
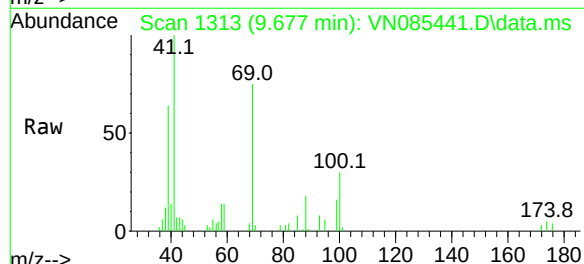
RT: 9.677 min Scan# 1313

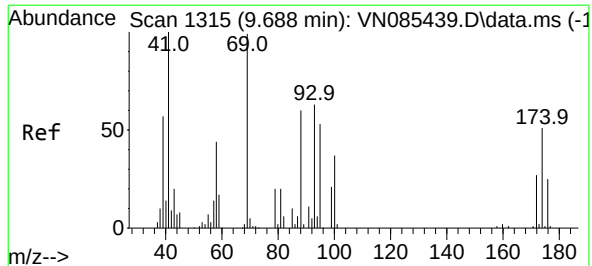
Delta R.T. -0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion:	41	Resp:	21873
Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.7	97.1
39	65.2	49.0	73.6





#49

1,4-Dioxane

Concen: 190.382 ug/l

RT: 9.694 min Scan# 1315

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 88 Resp: 7734

Ion Ratio Lower Upper

88 100

43 35.2 26.6 39.8

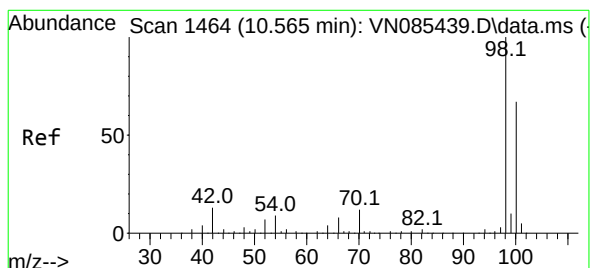
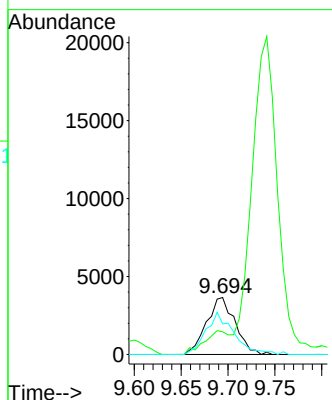
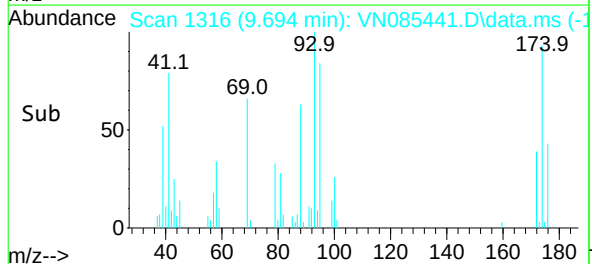
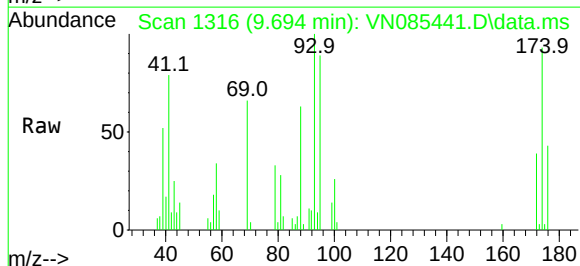
58 73.3 59.5 89.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#50

Toluene-d8

Concen: 8.727 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085441.D

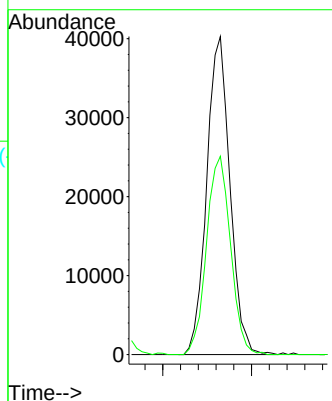
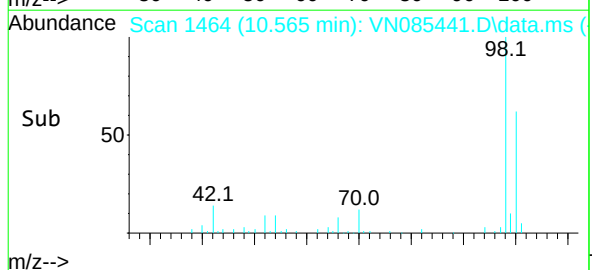
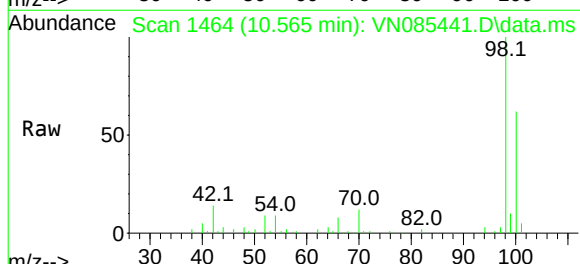
Acq: 14 Jan 2025 16:07

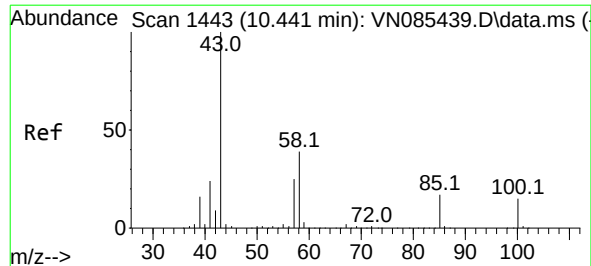
Tgt Ion: 98 Resp: 73223

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4





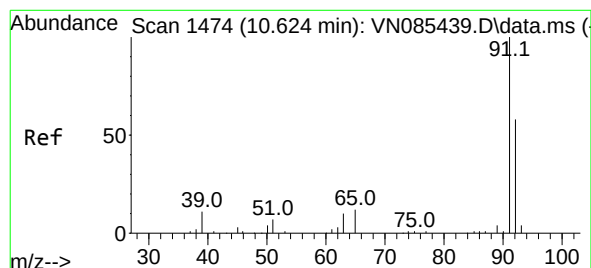
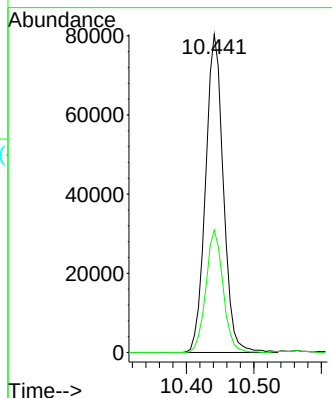
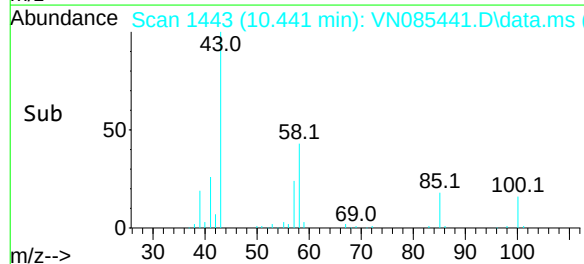
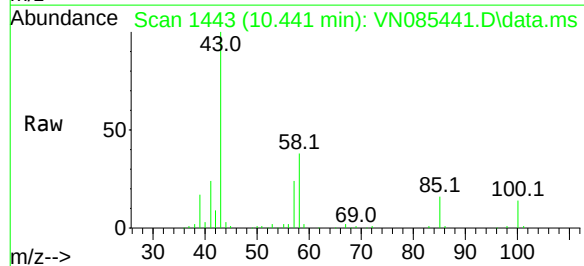
#51
4-Methyl-2-Pentanone
Concen: 47.254 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 146996
Ion Ratio Lower Upper
43 100
58 37.1 30.5 45.7

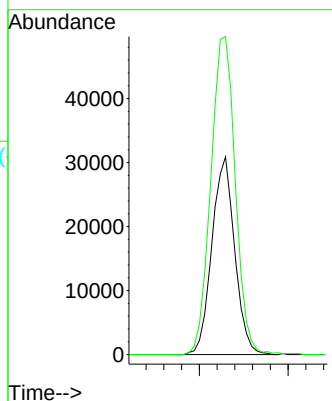
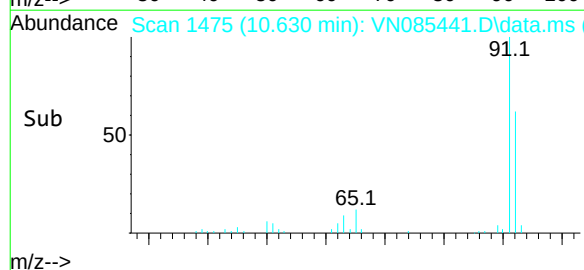
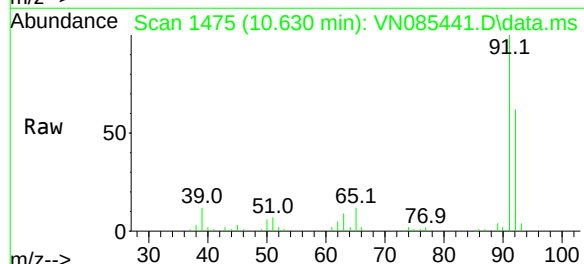
Manual Integrations
APPROVED

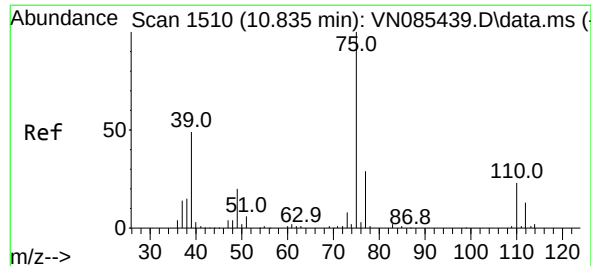
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#52
Toluene
Concen: 9.527 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 92 Resp: 54976
Ion Ratio Lower Upper
92 100
91 173.7 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 9.276 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 75 Resp: 32780

Ion Ratio Lower Upper

75 100

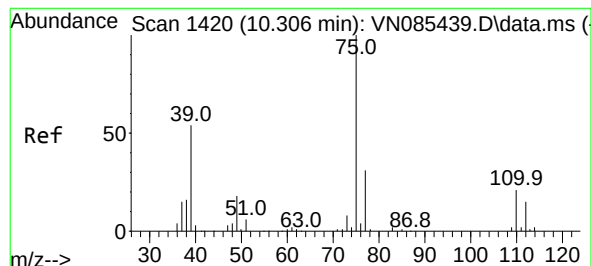
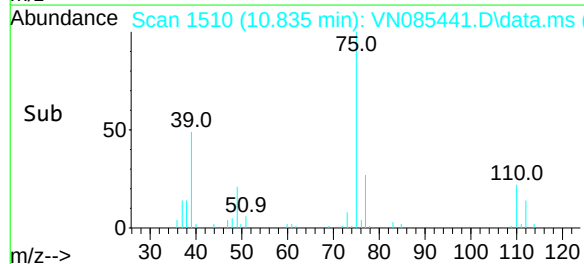
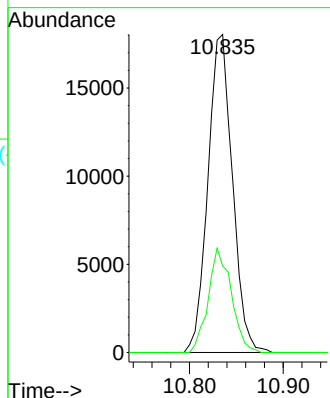
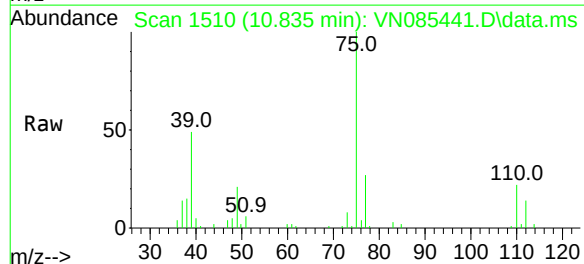
77 27.2 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#54

cis-1,3-Dichloropropene

Concen: 9.512 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

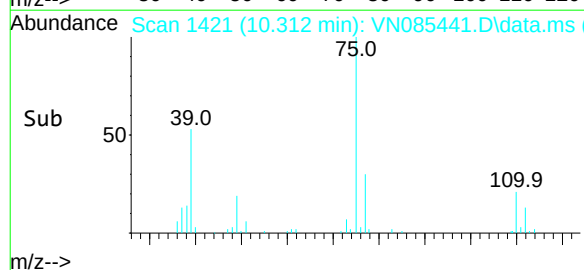
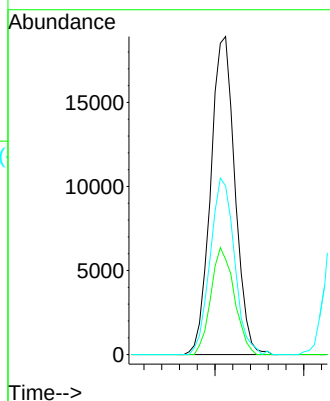
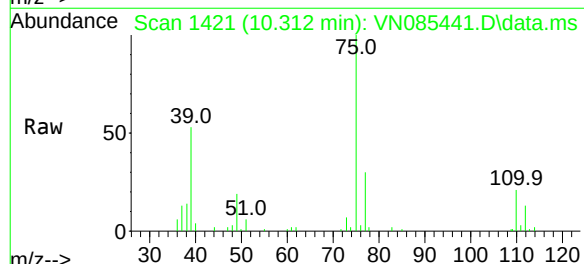
Tgt Ion: 75 Resp: 35904

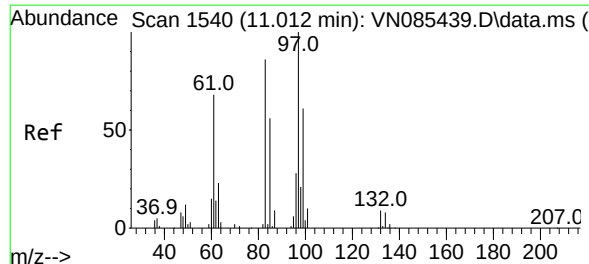
Ion Ratio Lower Upper

75 100

77 30.0 25.0 37.4

39 53.1 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 9.222 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 21060

Ion Ratio Lower Upper

97 100

83 88.3 69.0 103.6

85 57.3 44.6 66.8

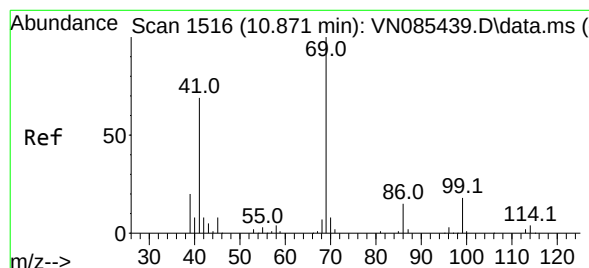
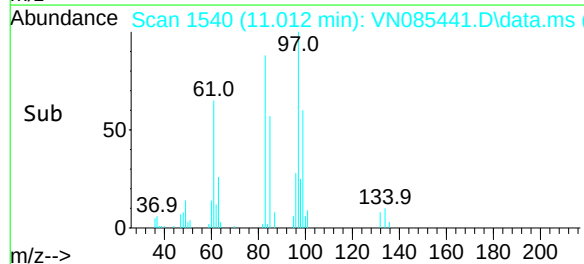
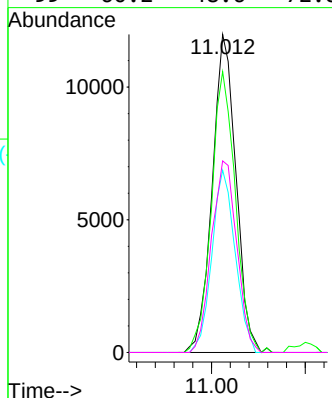
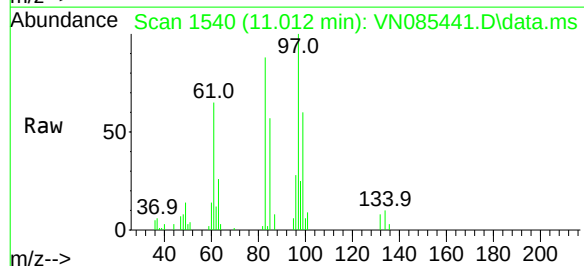
99 60.2 48.6 72.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#56

Ethyl methacrylate

Concen: 9.042 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

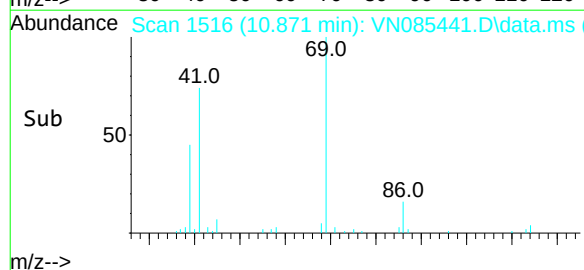
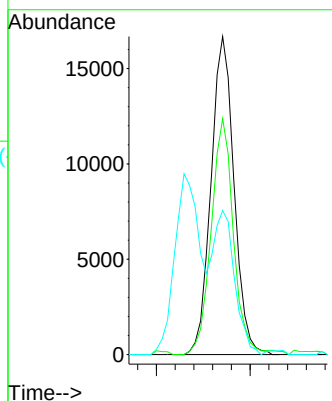
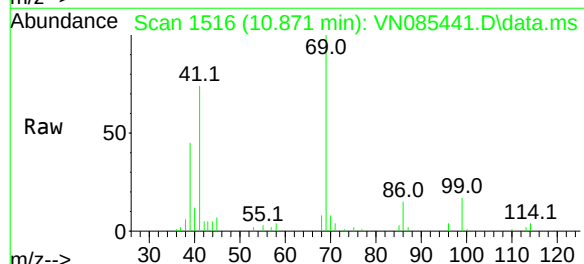
Tgt Ion: 69 Resp: 28454

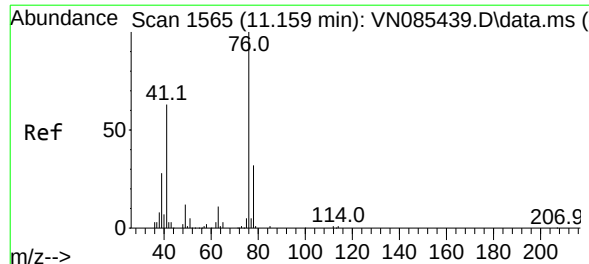
Ion Ratio Lower Upper

69 100

41 72.1 54.6 82.0

39 43.4 32.4 48.6





#57

1,3-Dichloropropane

Concen: 9.512 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 76 Resp: 37768

Ion Ratio Lower Upper

76 100

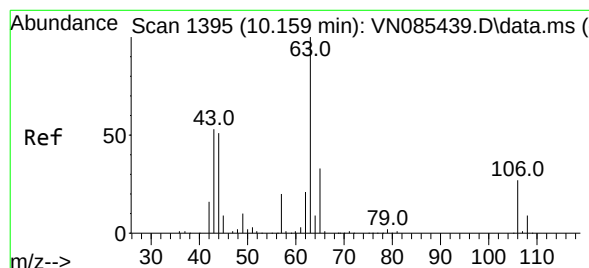
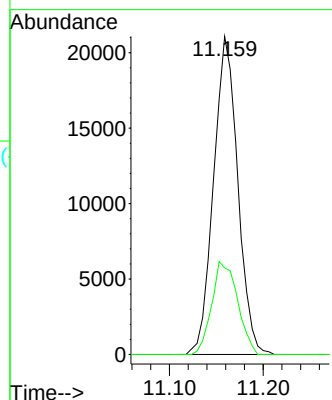
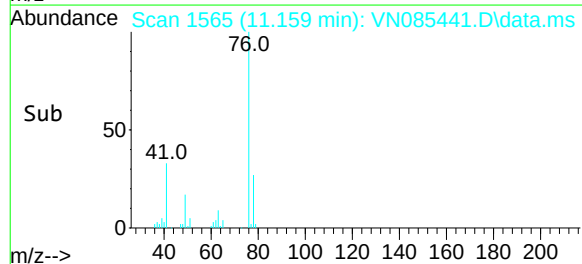
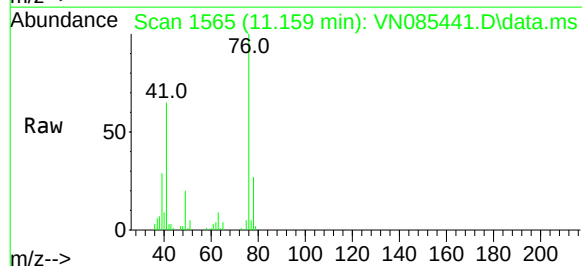
78 31.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#58

2-Chloroethyl Vinyl ether

Concen: 43.550 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085441.D

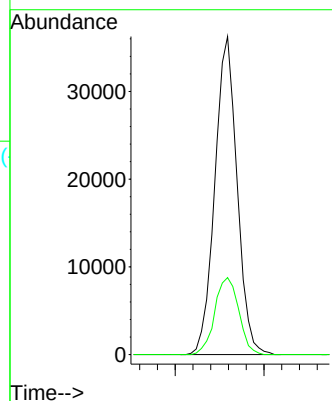
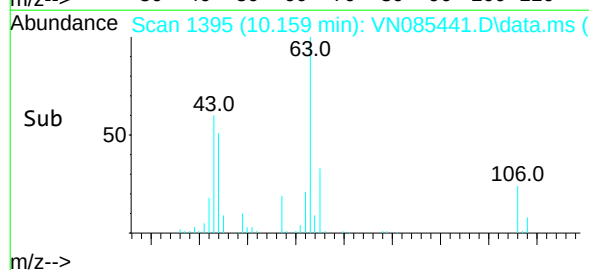
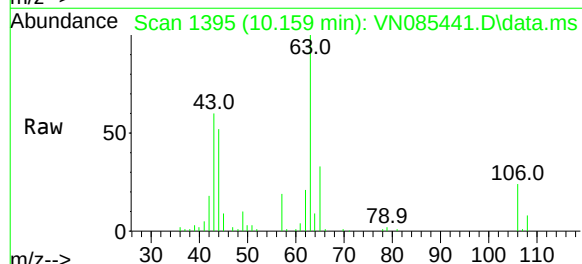
Acq: 14 Jan 2025 16:07

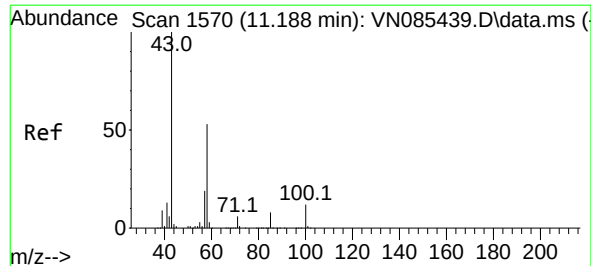
Tgt Ion: 63 Resp: 63110

Ion Ratio Lower Upper

63 100

106 26.1 21.6 32.4





#59

2-Hexanone

Concen: 46.291 ug/l

RT: 11.194 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 43 Resp: 101318

Ion Ratio Lower Upper

43 100

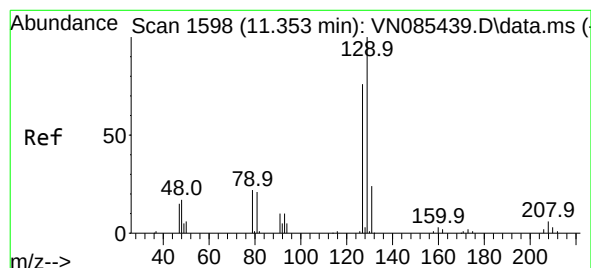
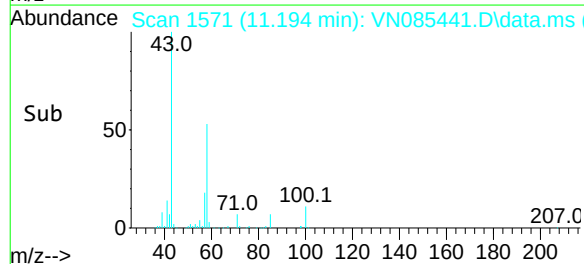
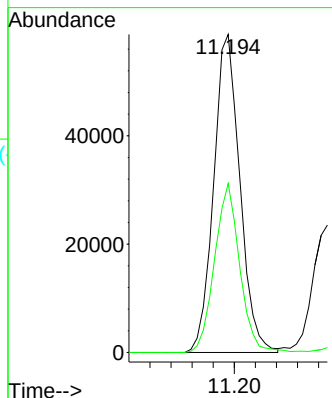
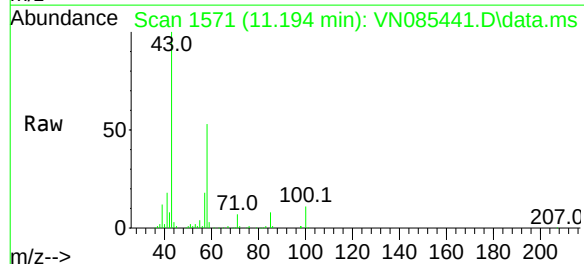
58 50.9 26.2 78.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#60

Dibromochloromethane

Concen: 9.079 ug/l

RT: 11.353 min Scan# 1598

Delta R.T. 0.000 min

Lab File: VN085441.D

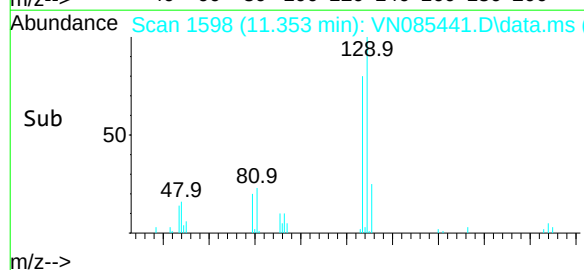
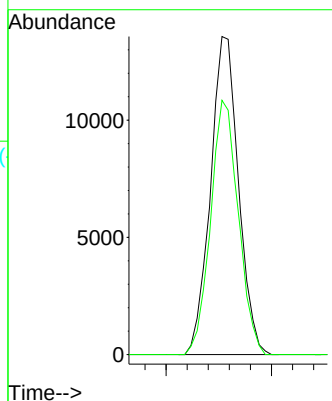
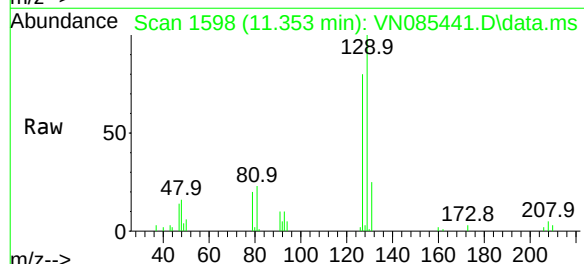
Acq: 14 Jan 2025 16:07

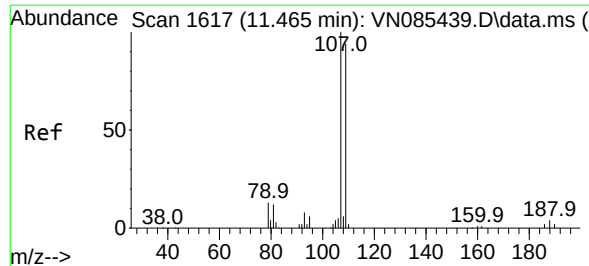
Tgt Ion:129 Resp: 25029

Ion Ratio Lower Upper

129 100

127 79.1 38.6 115.8





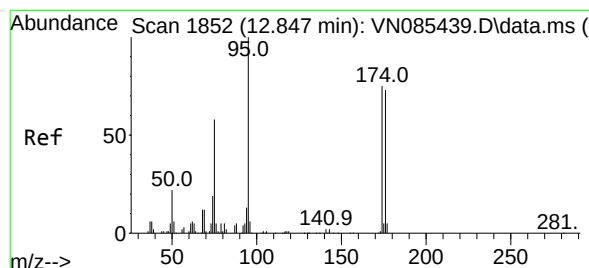
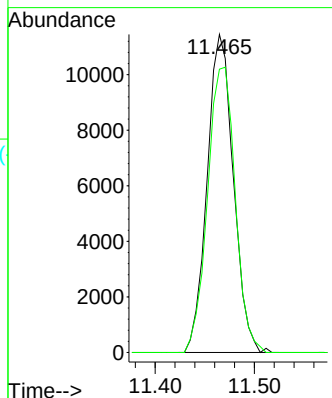
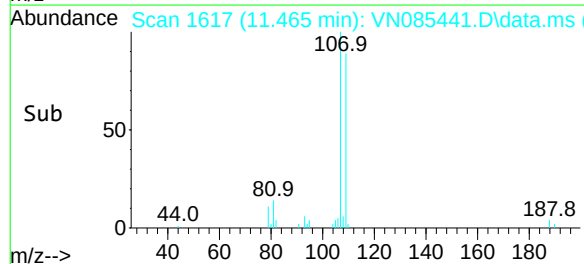
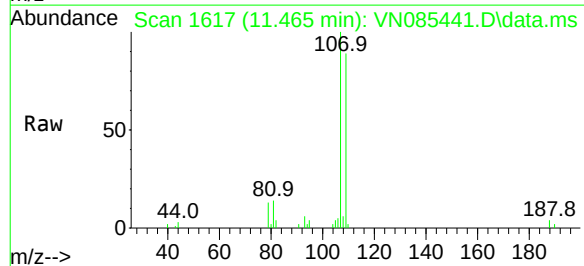
#61
1,2-Dibromoethane
Concen: 9.263 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 107 Resp: 21055
Ion Ratio Lower Upper
107 100
109 94.6 75.9 113.9

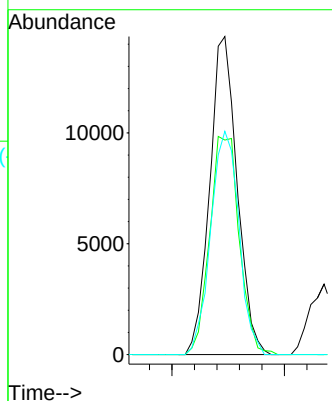
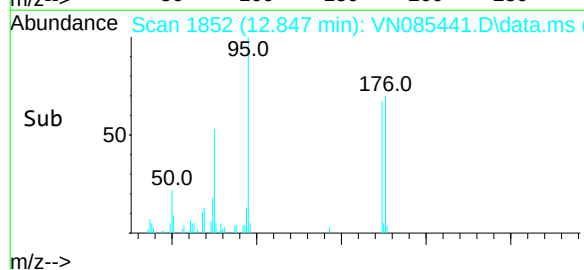
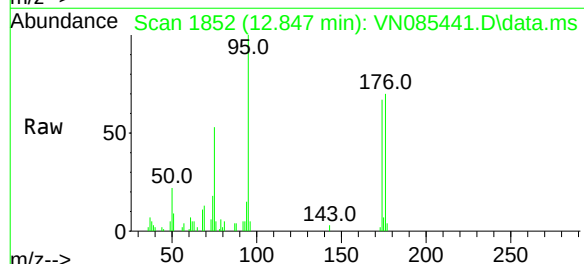
Manual Integrations
APPROVED

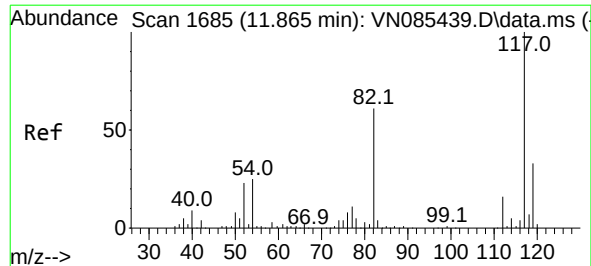
Reviewed By : John Carlone 01/15/2025
Supervised By : Mahesh Dadoda 01/15/2025



#62
4-Bromofluorobenzene
Concen: 8.476 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 95 Resp: 24327
Ion Ratio Lower Upper
95 100
174 73.9 0.0 145.0
176 72.1 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion:117 Resp: 294508

Ion Ratio Lower Upper

117 100

82 58.7 48.6 72.8

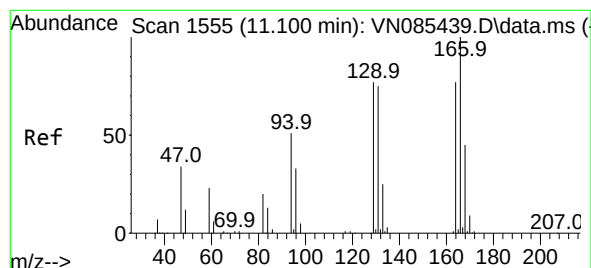
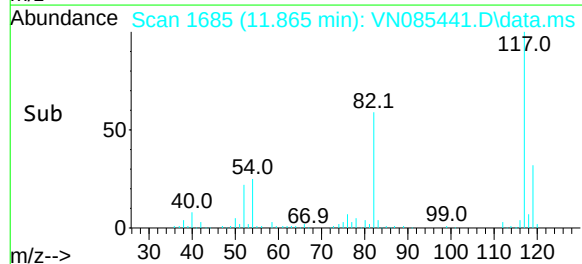
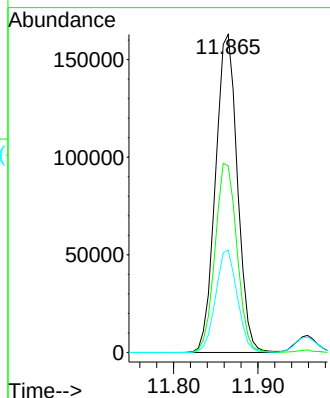
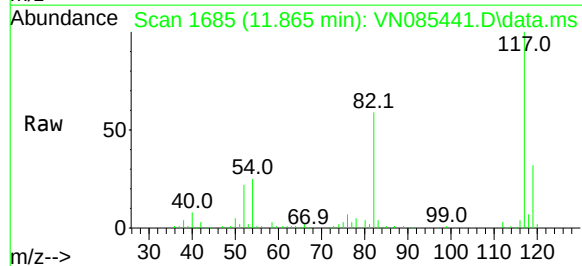
119 32.2 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#64

Tetrachloroethene

Concen: 9.928 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion:164 Resp: 19934

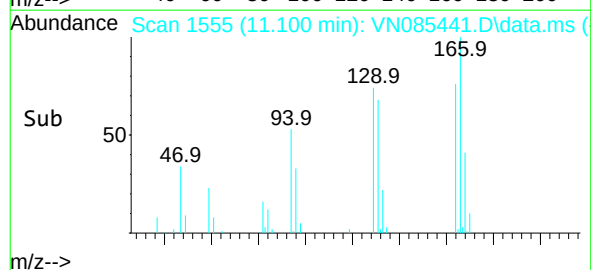
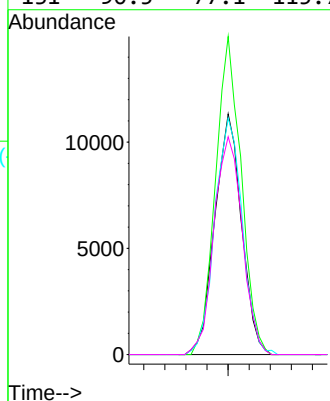
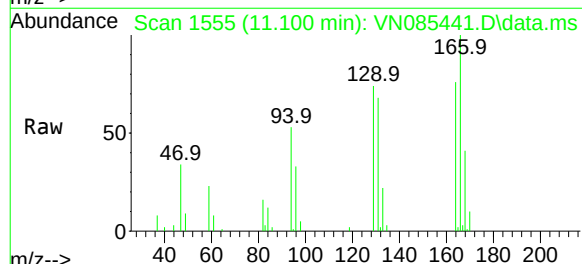
Ion Ratio Lower Upper

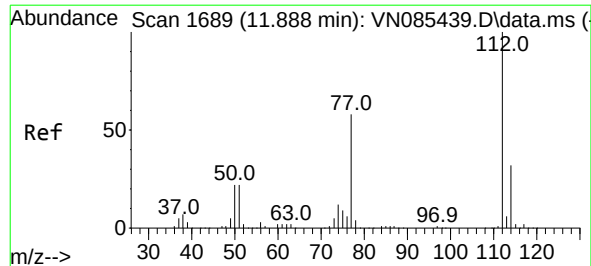
164 100

166 132.2 103.4 155.2

129 98.3 79.2 118.8

131 90.5 77.1 115.7





#65

Chlorobenzene

Concen: 9.560 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:112 Resp: 61680

Ion Ratio Lower Upper

112 100

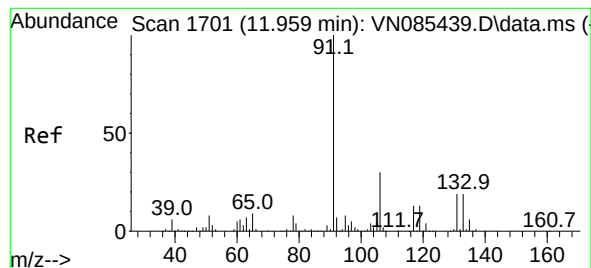
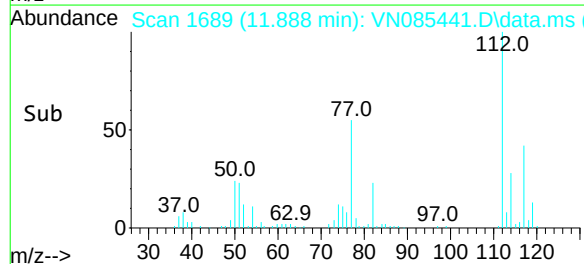
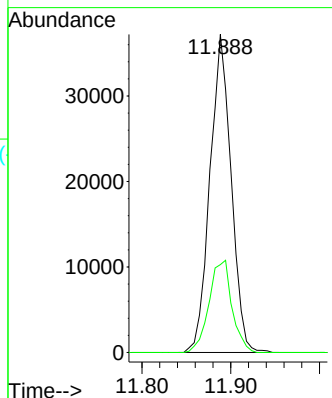
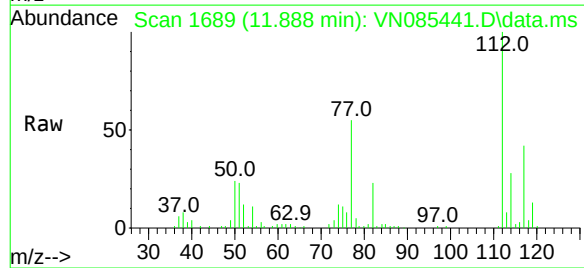
114 27.6 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 9.229 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

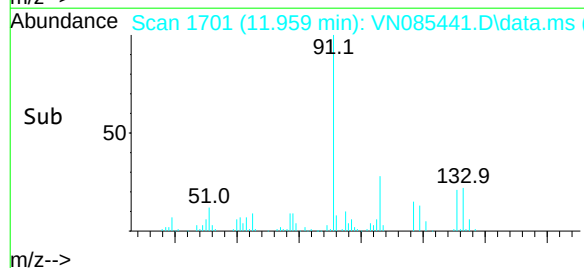
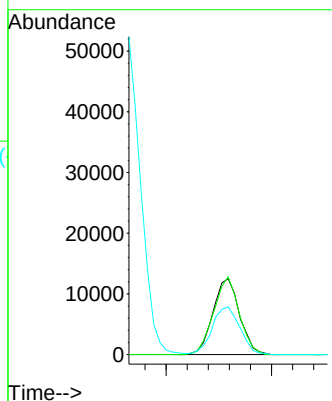
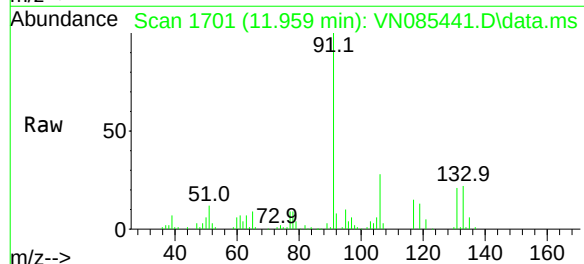
Tgt Ion:131 Resp: 21853

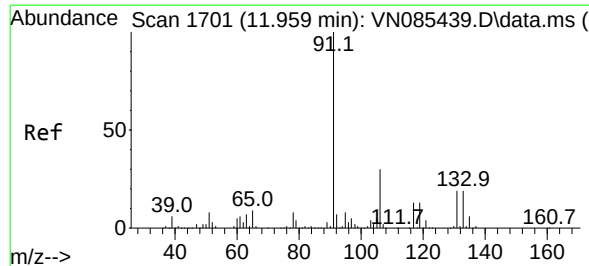
Ion Ratio Lower Upper

131 100

133 98.5 47.4 142.3

119 66.0 33.1 99.5





#67

Ethyl Benzene

Concen: 9.445 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 99248

Ion Ratio Lower Upper

91 100

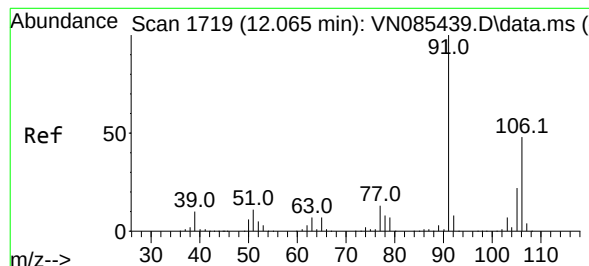
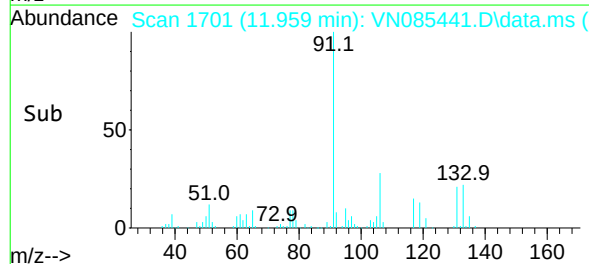
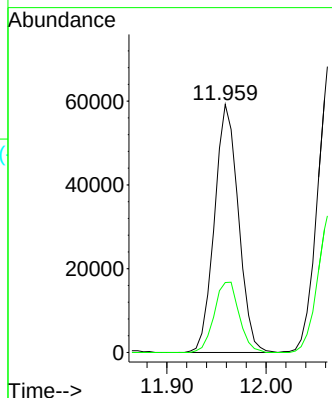
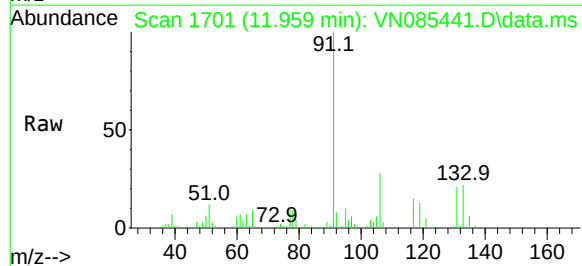
106 28.2 23.8 35.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#68

m/p-Xylenes

Concen: 18.650 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. 0.000 min

Lab File: VN085441.D

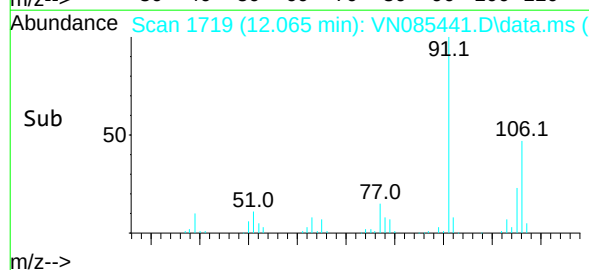
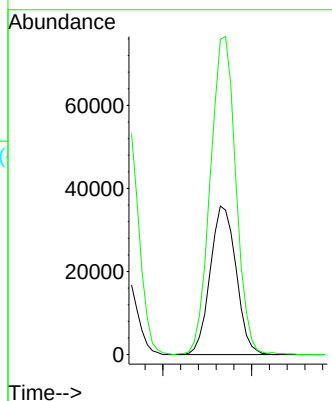
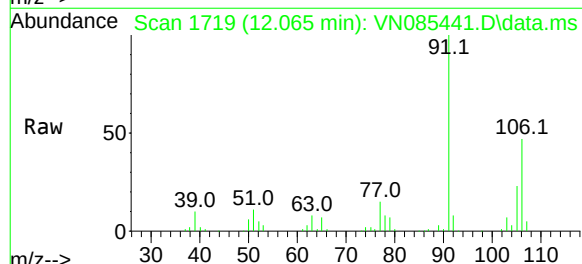
Acq: 14 Jan 2025 16:07

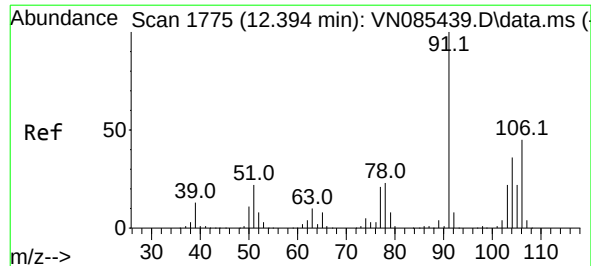
Tgt Ion:106 Resp: 72431

Ion Ratio Lower Upper

106 100

91 211.7 167.7 251.5





#69

o-Xylene

Concen: 9.264 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion:106 Resp: 34382

Ion Ratio Lower Upper

106 100

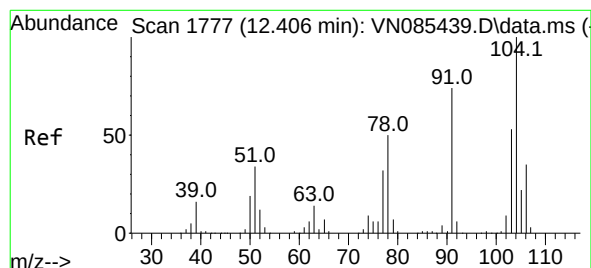
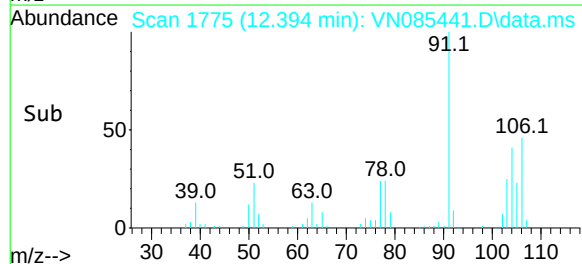
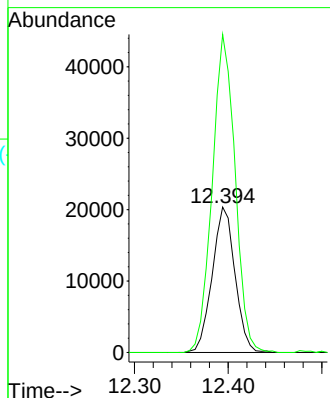
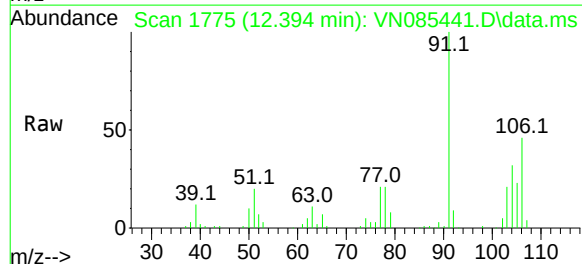
91 219.5 110.4 331.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#70

Styrene

Concen: 9.163 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

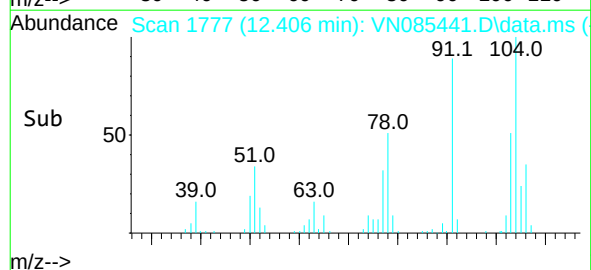
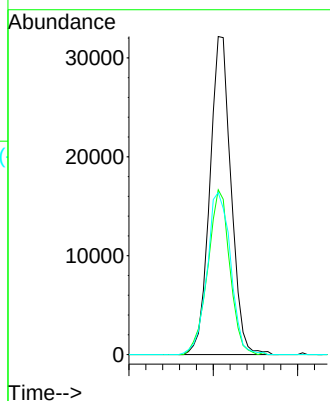
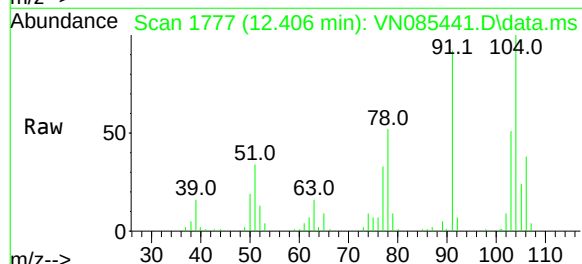
Tgt Ion:104 Resp: 56285

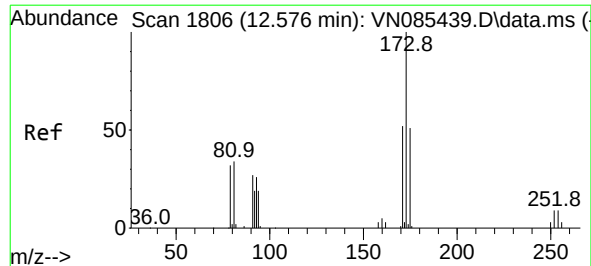
Ion Ratio Lower Upper

104 100

78 53.8 42.5 63.7

103 56.8 43.8 65.8





#71

Bromoform

Concen: 9.485 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

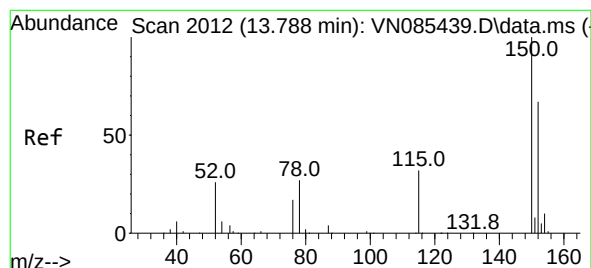
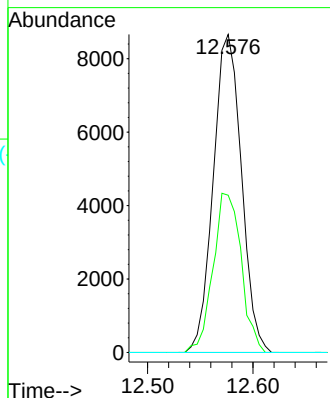
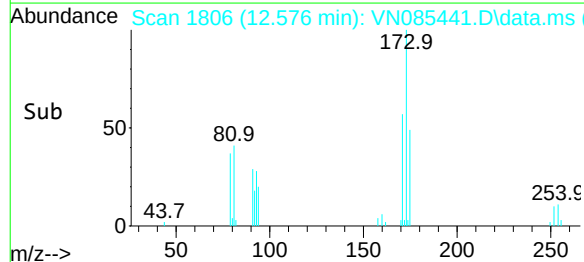
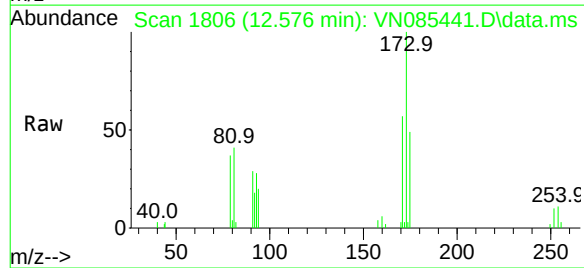
ClientSampleId :

VSTDICC010

Tgt Ion:	173	Resp:	16071
Ion Ratio	Lower	Upper	
173	100		
175	50.0	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

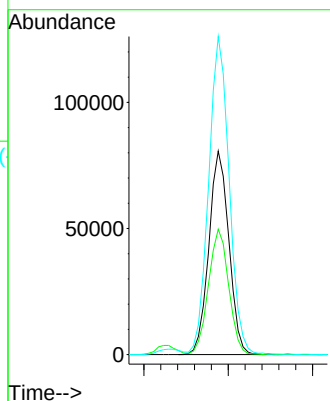
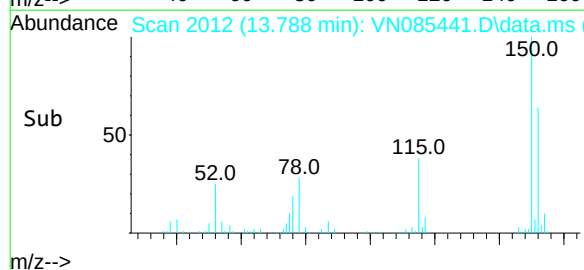
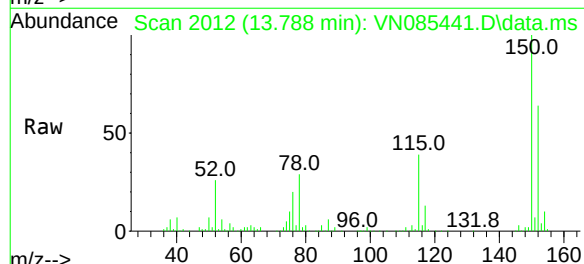
RT: 13.788 min Scan# 2012

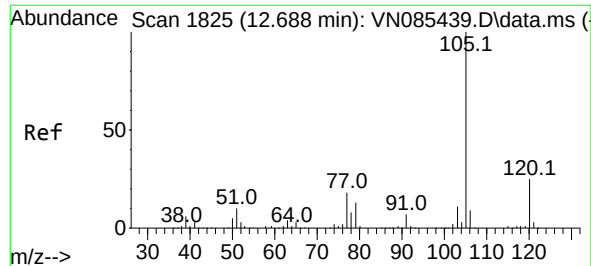
Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion:	152	Resp:	132934
Ion Ratio	Lower	Upper	
152	100		
115	62.3	31.1	93.3
150	159.8	0.0	343.6





#73

Isopropylbenzene

Concen: 9.697 ug/l

RT: 12.694 min Scan# 18

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion:105 Resp: 87003

Ion Ratio Lower Upper

105 100

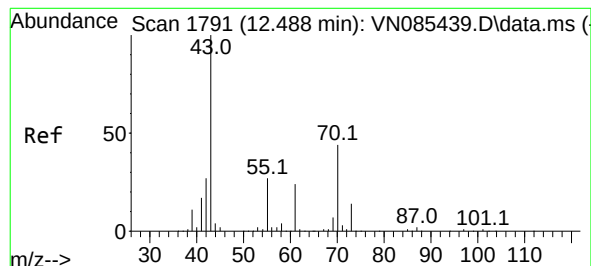
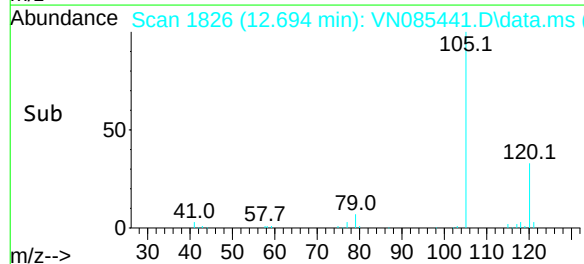
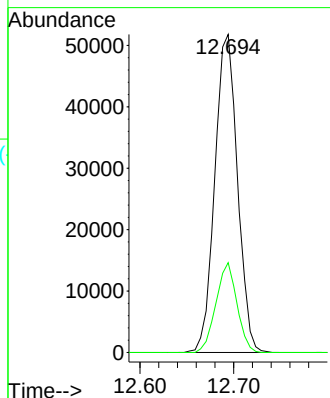
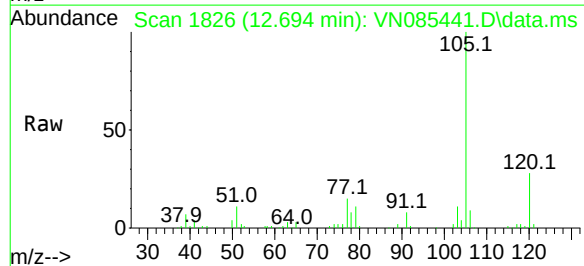
120 26.1 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#74

N-ethyl acetate

Concen: 9.260 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion: 43 Resp: 37343

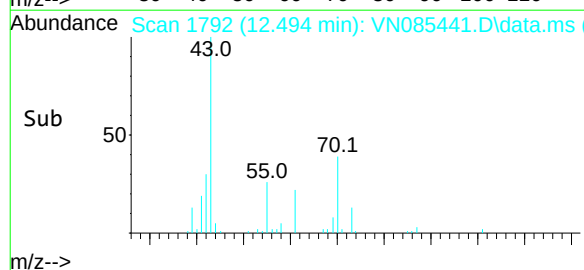
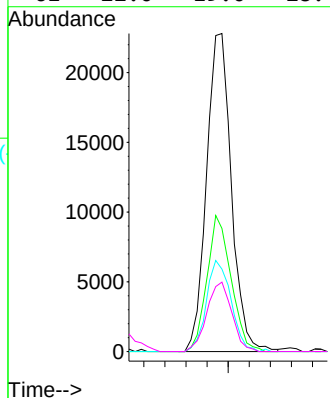
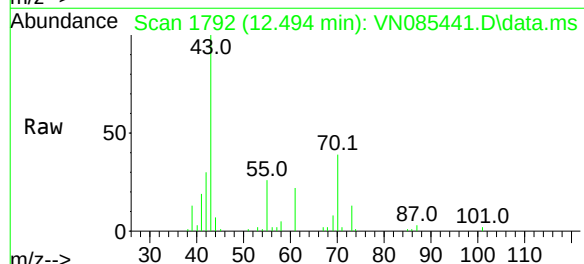
Ion Ratio Lower Upper

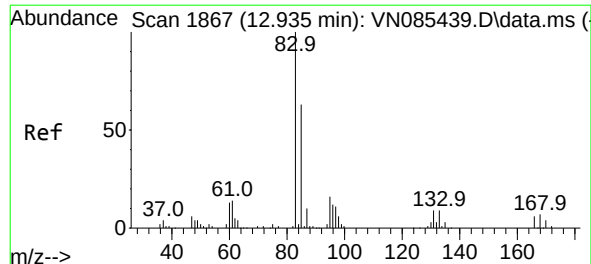
43 100

70 41.4 34.0 51.0

55 28.5 21.4 32.2

61 22.0 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 9.709 ug/l

RT: 12.935 min Scan# 18

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

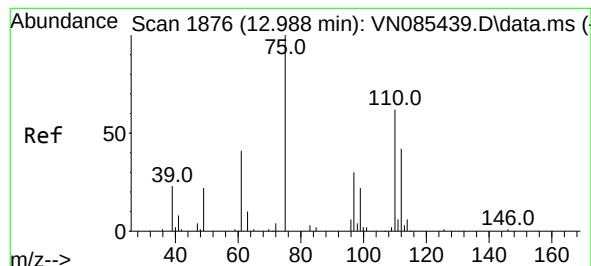
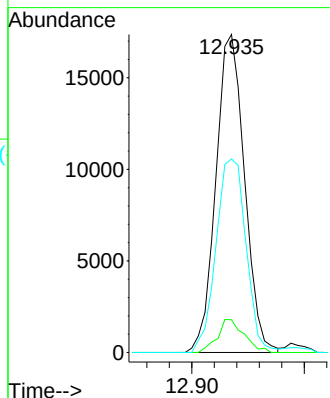
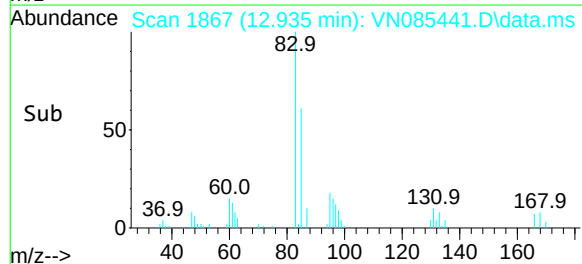
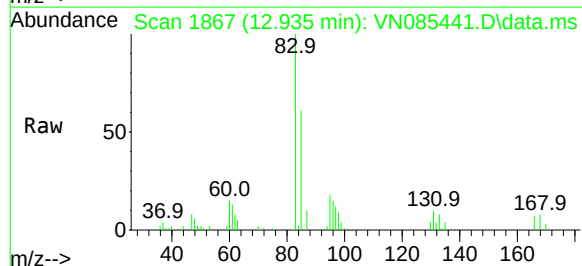
VSTDIC010

Tgt Ion:	83	Resp:	30770
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	63.6	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#76

1,2,3-Trichloropropane

Concen: 9.432 ug/l m

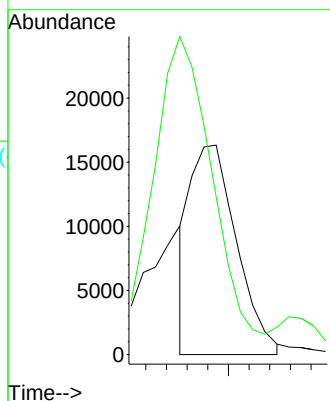
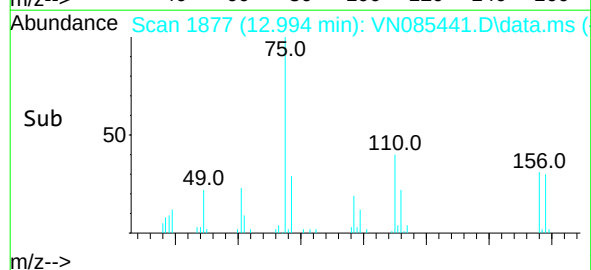
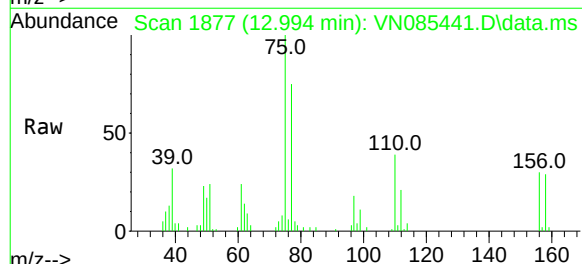
RT: 12.994 min Scan# 1877

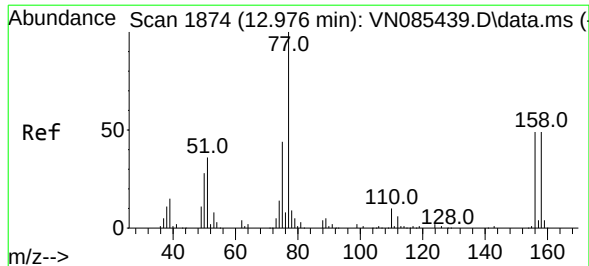
Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion:	75	Resp:	25443
Ion	Ratio	Lower	Upper
75	100		
77	198.5	109.7	329.2





#77

Bromobenzene

Concen: 9.720 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN085441.D

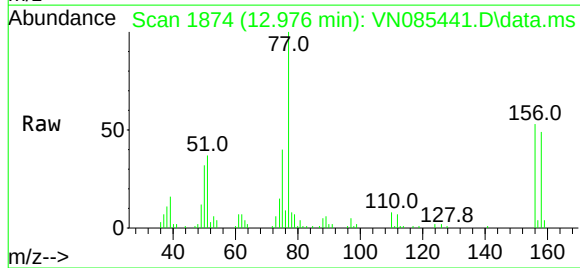
Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

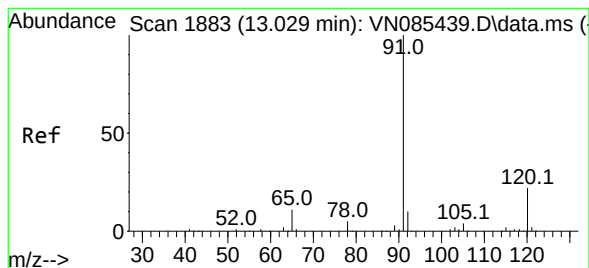
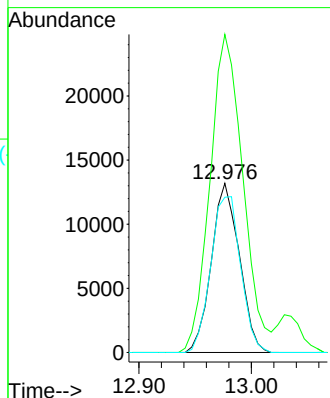
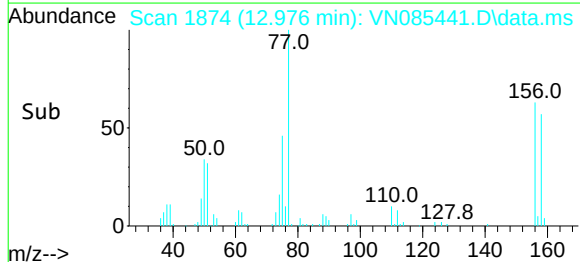
VSTDIC010



Tgt Ion:	156	Resp:	22784
Ion	Ratio	Lower	Upper
156	100		
77	221.6	114.1	342.4
158	98.7	48.9	146.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#78

n-propylbenzene

Concen: 9.628 ug/l

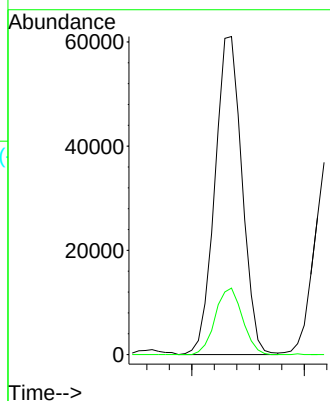
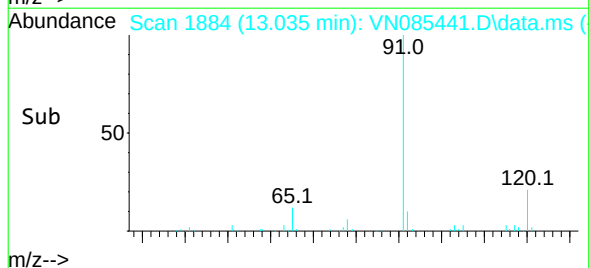
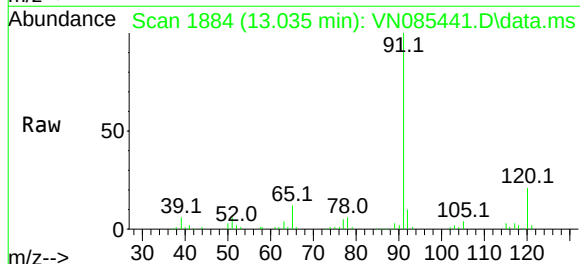
RT: 13.035 min Scan# 1884

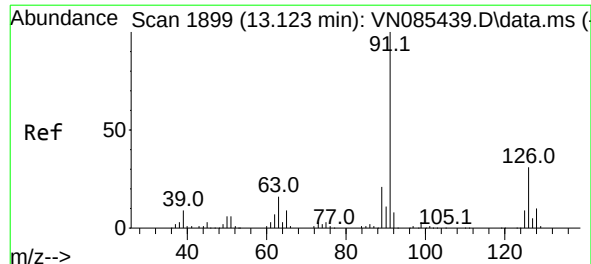
Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion:	91	Resp:	102262
Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.9	32.6





#79

2-Chlorotoluene

Concen: 9.943 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 68346

Ion Ratio Lower Upper

91 100

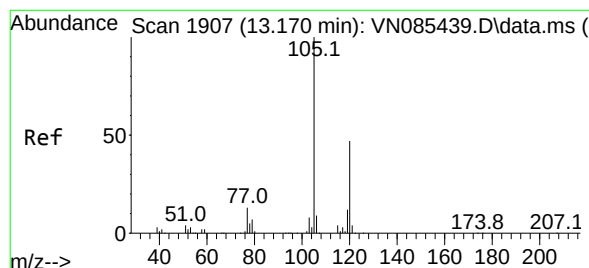
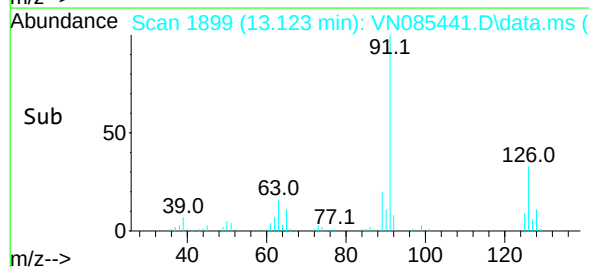
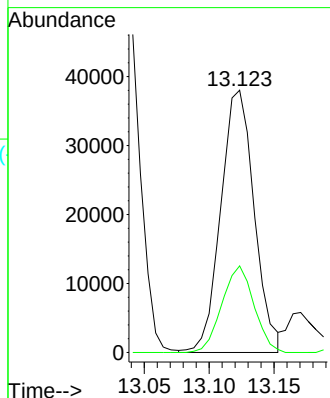
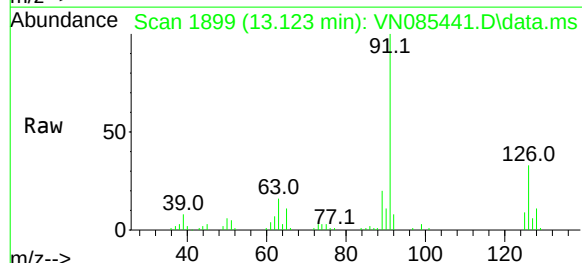
126 31.5 15.7 47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#80

1,3,5-Trimethylbenzene

Concen: 9.669 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085441.D

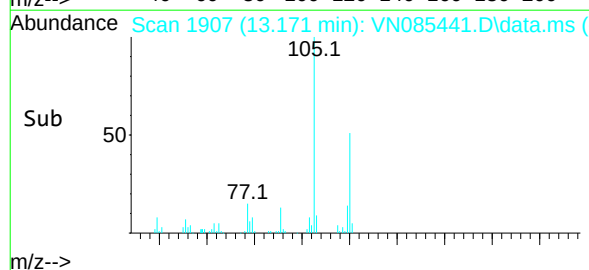
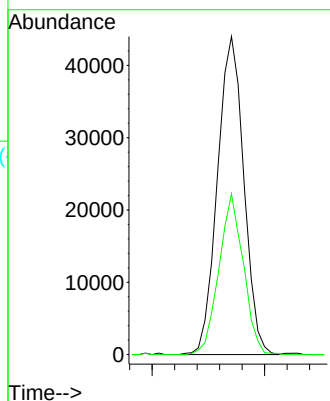
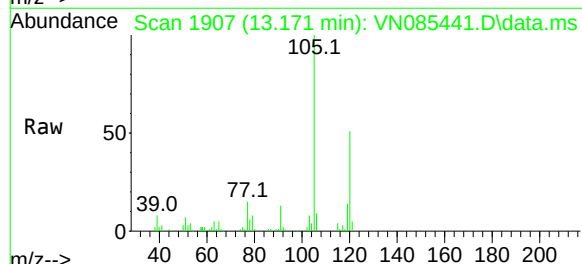
Acq: 14 Jan 2025 16:07

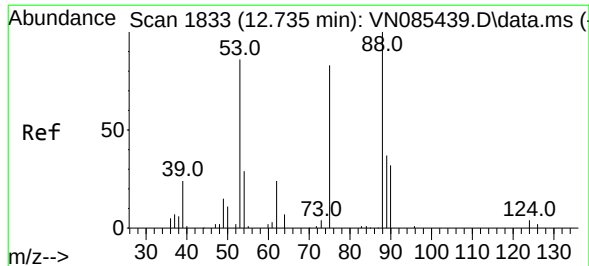
Tgt Ion:105 Resp: 71656

Ion Ratio Lower Upper

105 100

120 46.8 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 9.248 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. 0.000 min

Lab File: VN085441.D

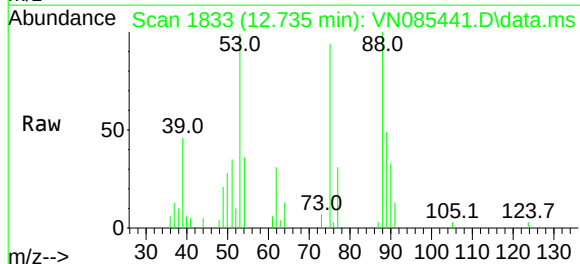
Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

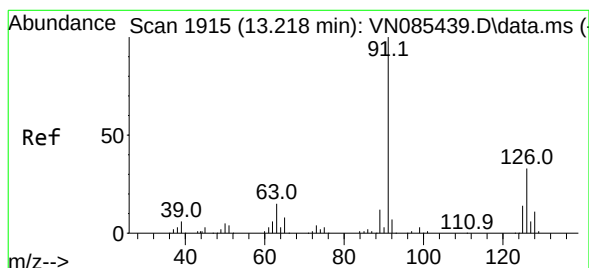
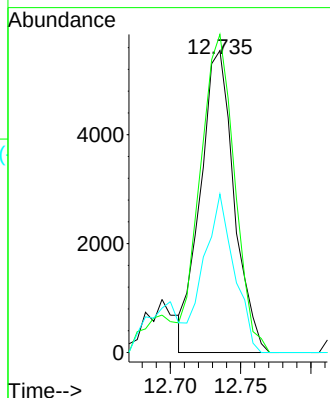
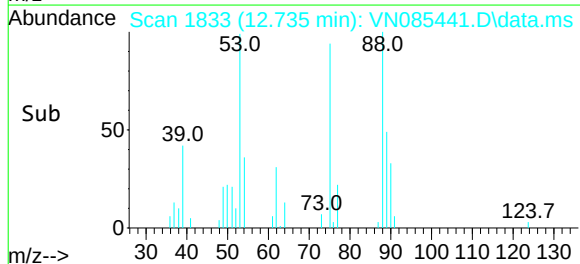
VSTDIC010



Tgt Ion:	75	Resp:	9236
Ion	Ratio	Lower	Upper
75	100		
53	119.6	95.6	143.4
89	46.6	37.0	55.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#82

4-Chlorotoluene

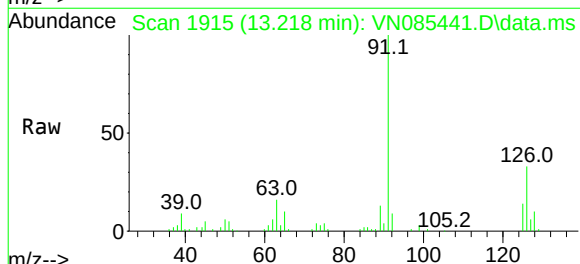
Concen: 9.756 ug/l

RT: 13.218 min Scan# 1915

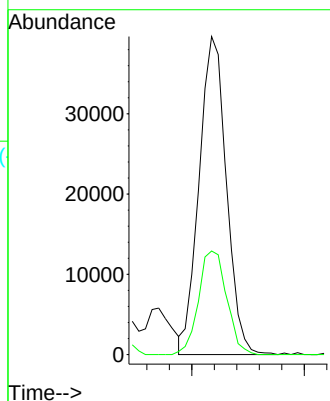
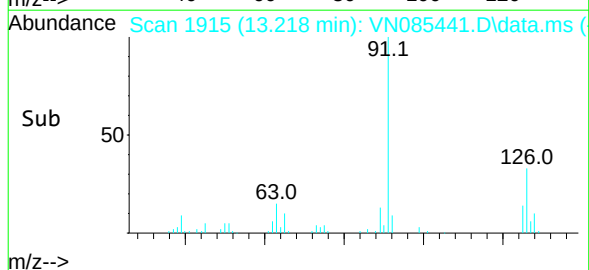
Delta R.T. 0.000 min

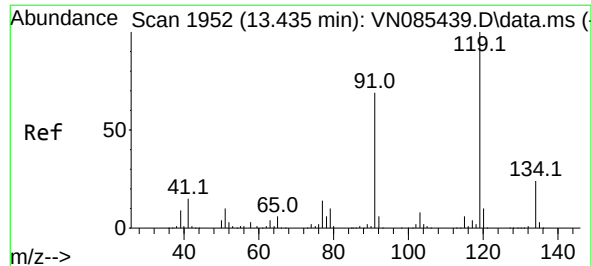
Lab File: VN085441.D

Acq: 14 Jan 2025 16:07



Tgt Ion:	91	Resp:	66773
Ion	Ratio	Lower	Upper
91	100		
126	33.6	15.9	47.7





#83

tert-Butylbenzene

Concen: 9.553 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

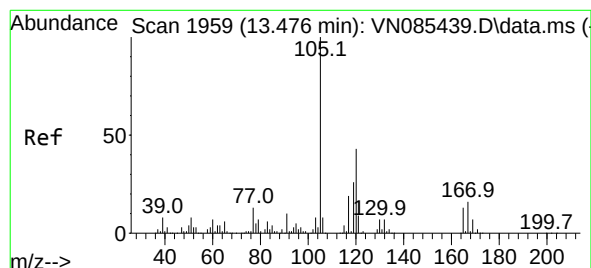
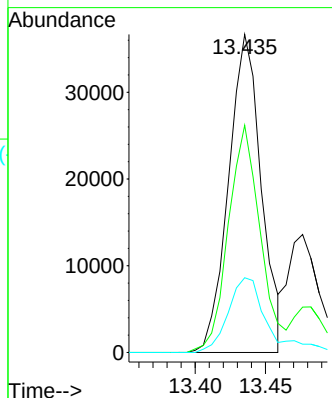
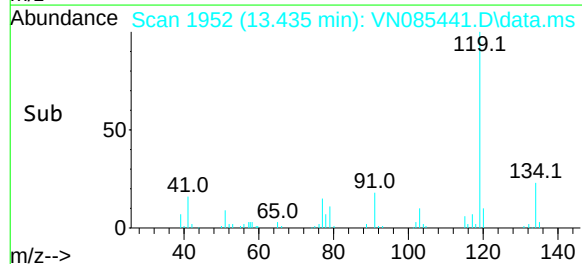
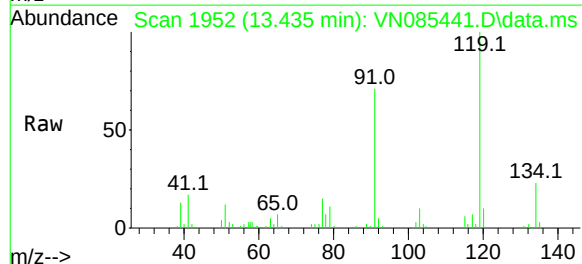
ClientSampleId :

VSTDIC010

Tgt Ion:	119	Resp:	59455
Ion	Ratio	Lower	Upper
119	100		
91	70.0	35.1	105.3
134	27.8	12.0	36.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#84

1,2,4-Trimethylbenzene

Concen: 9.754 ug/l

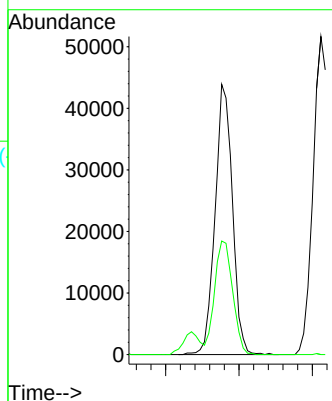
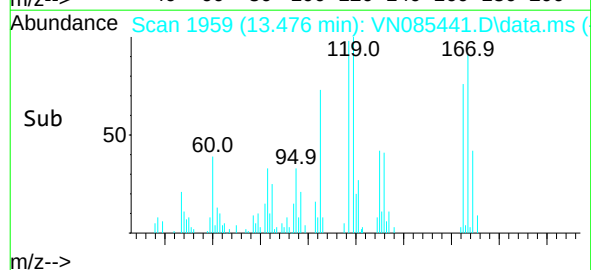
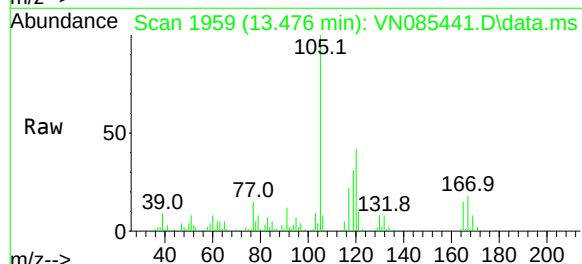
RT: 13.476 min Scan# 1959

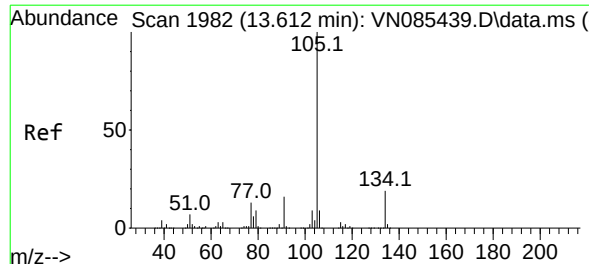
Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion:	105	Resp:	72046
Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.6	65.0





#85

sec-Butylbenzene

Concen: 9.699 ug/l

RT: 13.612 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion:105 Resp: 83662

Ion Ratio Lower Upper

105 100

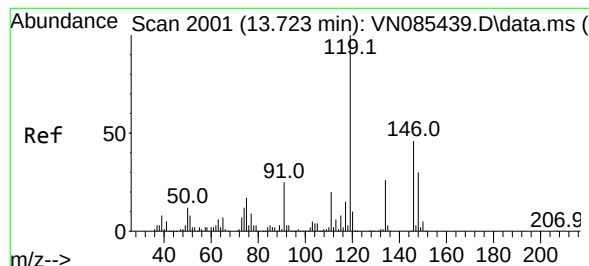
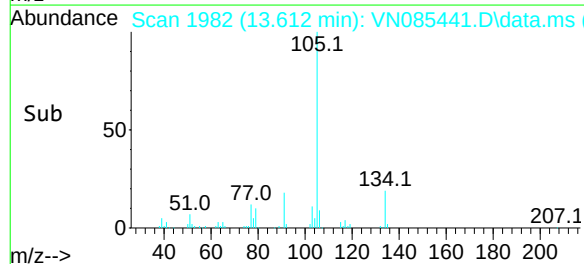
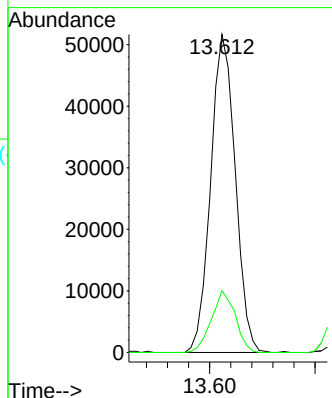
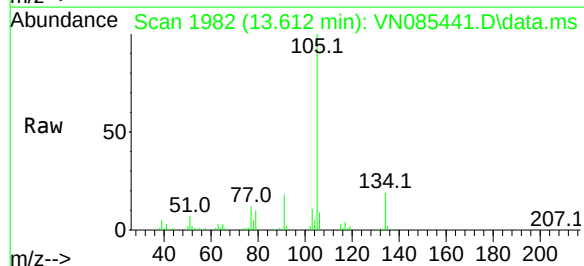
134 18.9 9.7 28.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#86

p-Isopropyltoluene

Concen: 9.674 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

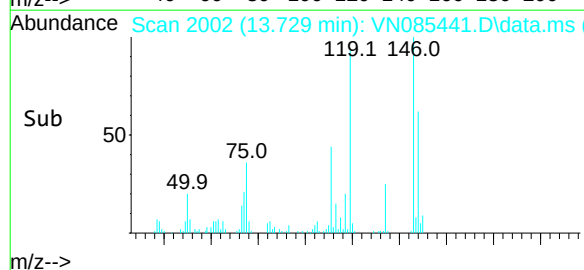
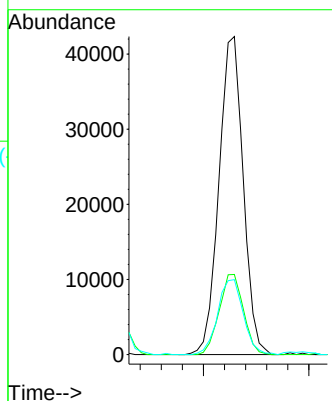
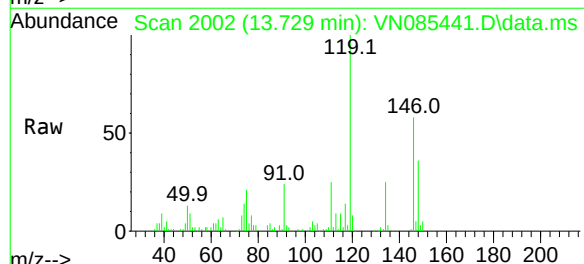
Tgt Ion:119 Resp: 67556

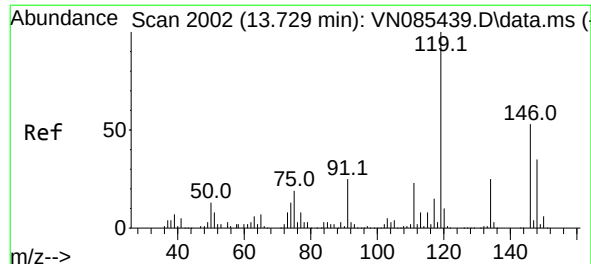
Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.0

91 25.0 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 9.693 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

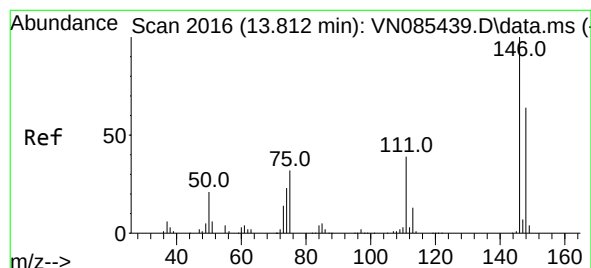
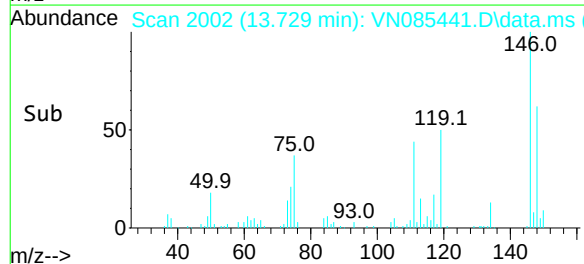
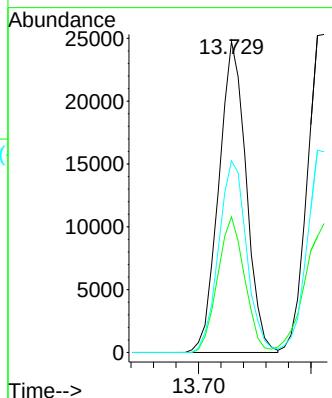
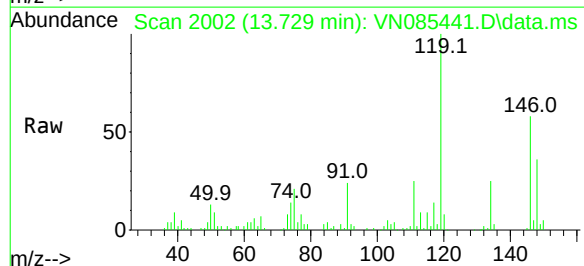
ClientSampleId :

VSTDIC010

Tgt Ion:	146	Resp:	41843
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.4	64.3
148	63.0	32.3	96.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#88

1,4-Dichlorobenzene

Concen: 9.549 ug/l

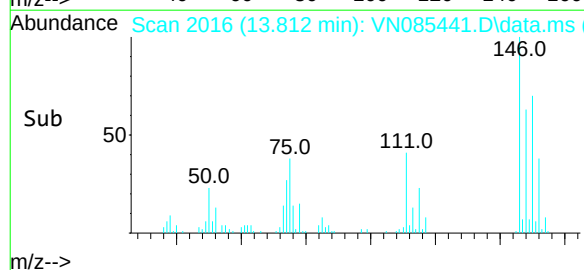
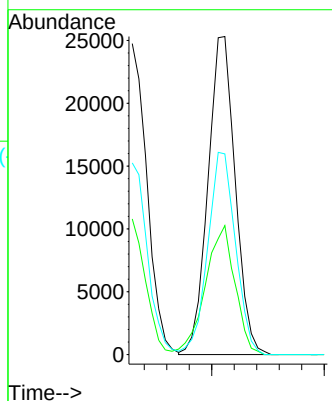
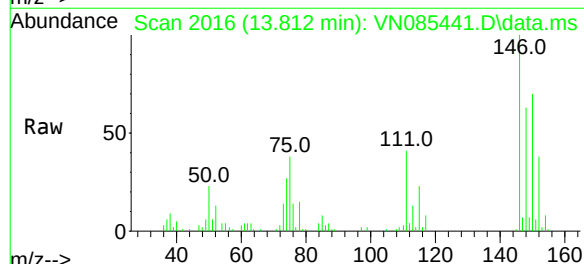
RT: 13.812 min Scan# 2016

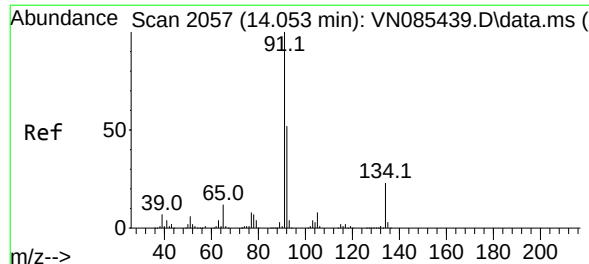
Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion:	146	Resp:	42728
Ion Ratio	Lower	Upper	
146	100		
111	44.0	21.3	63.7
148	64.6	32.4	97.0





#89

n-Butylbenzene

Concen: 9.314 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

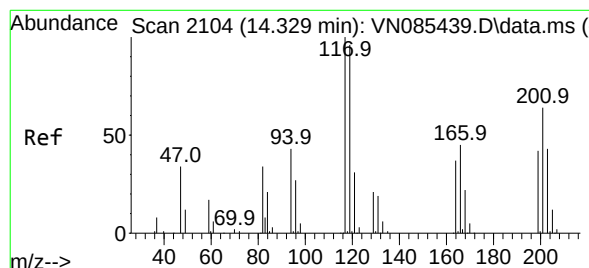
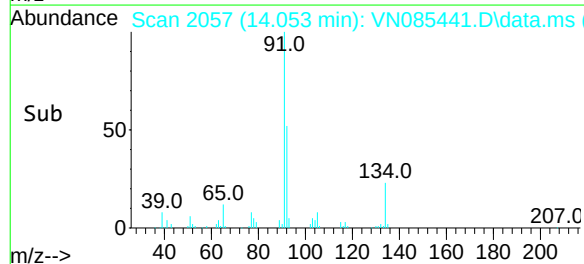
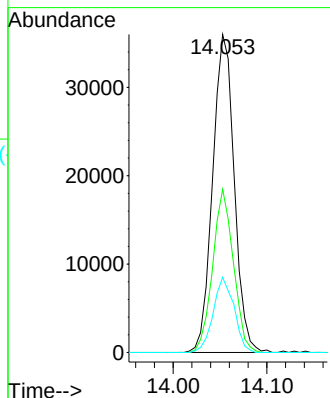
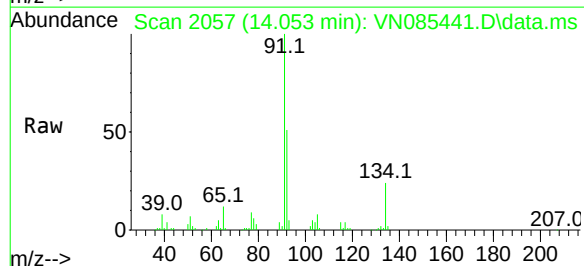
ClientSampleId :

VSTDICC010

Tgt Ion:	91	Resp:	57632
Ion	Ratio	Lower	Upper
91	100		
92	49.2	25.8	77.3
134	22.8	11.7	35.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#90

Hexachloroethane

Concen: 9.294 ug/l

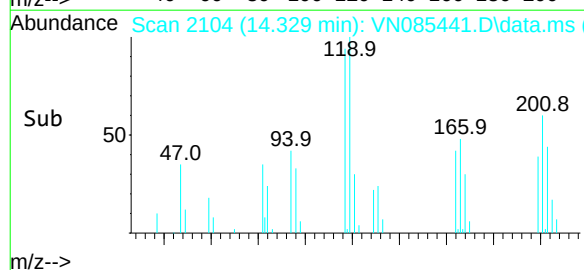
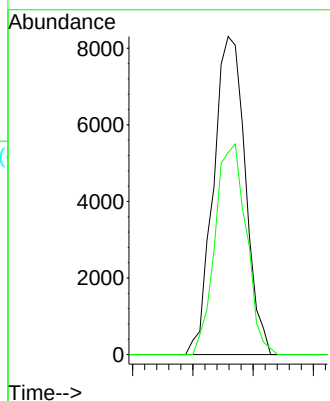
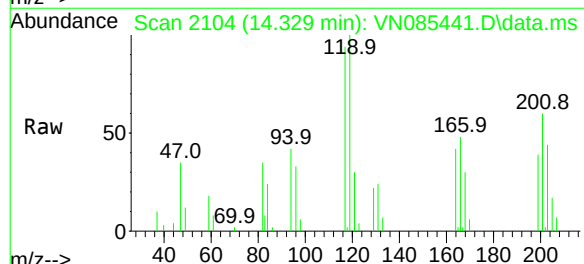
RT: 14.329 min Scan# 2104

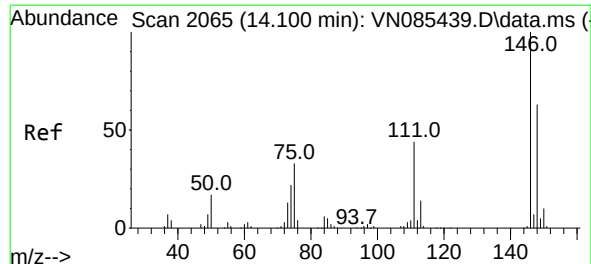
Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion:	117	Resp:	15261
Ion	Ratio	Lower	Upper
117	100		
201	65.0	33.7	101.0





#91

1,2-Dichlorobenzene

Concen: 9.458 ug/l

RT: 14.106 min Scan# 2065

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:146 Resp: 40726

Ion Ratio Lower Upper

146 100

111 42.9 21.7 65.1

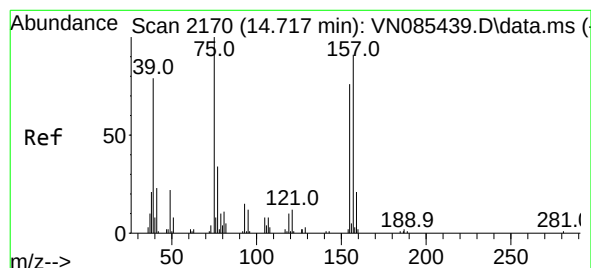
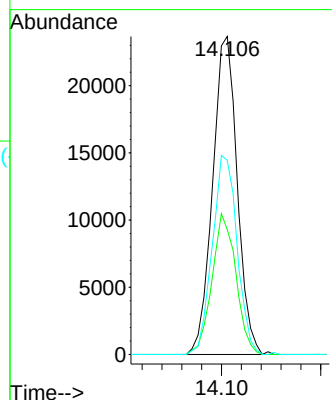
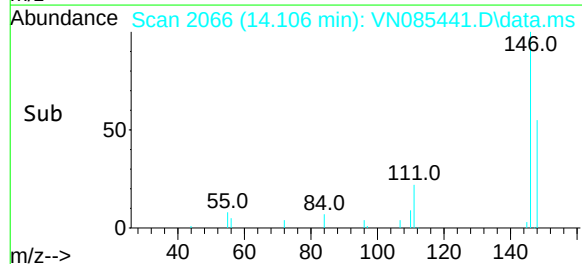
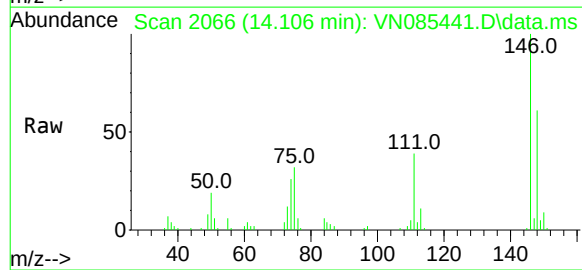
148 62.9 31.4 94.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.744 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

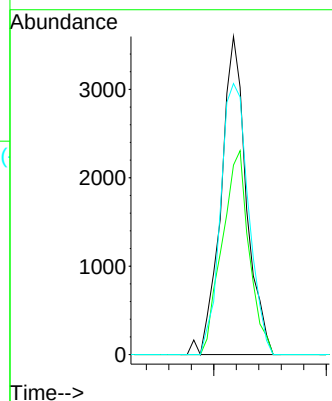
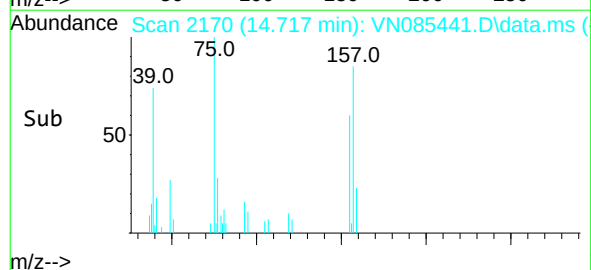
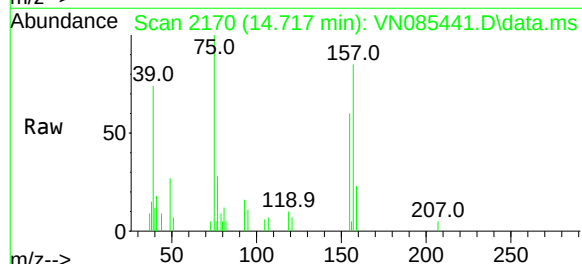
Tgt Ion: 75 Resp: 5639

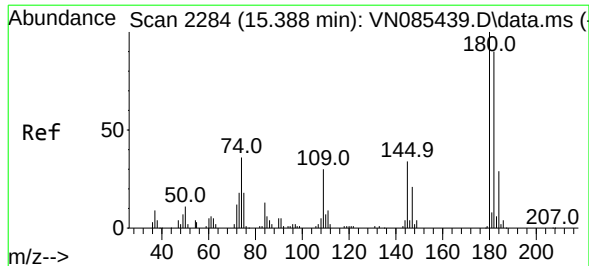
Ion Ratio Lower Upper

75 100

155 67.9 36.4 109.2

157 94.1 45.4 136.1





#93

1,2,4-Trichlorobenzene

Concen: 9.354 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:180 Resp: 18720

Ion Ratio Lower Upper

180 100

182 92.4 46.8 140.3

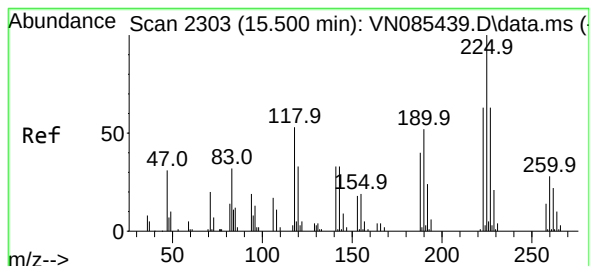
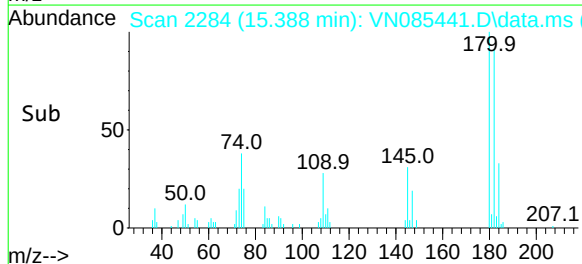
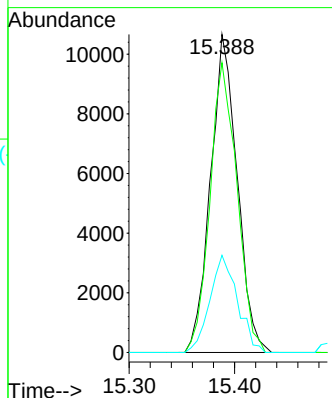
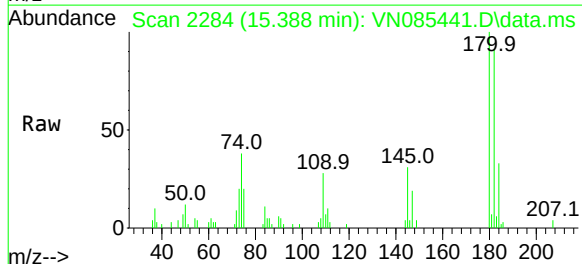
145 31.7 16.0 48.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#94

Hexachlorobutadiene

Concen: 9.874 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

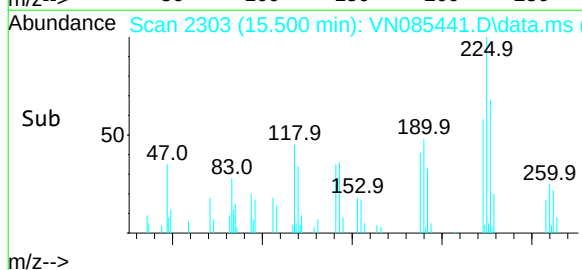
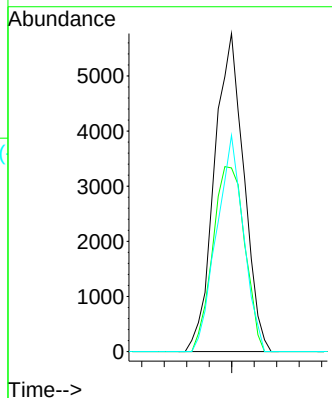
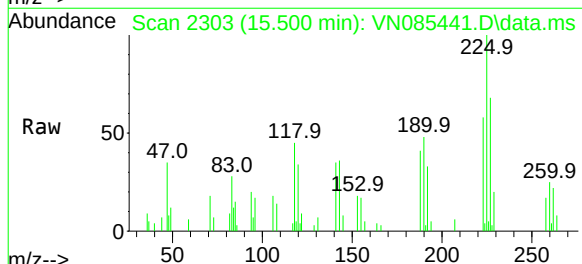
Tgt Ion:225 Resp: 10491

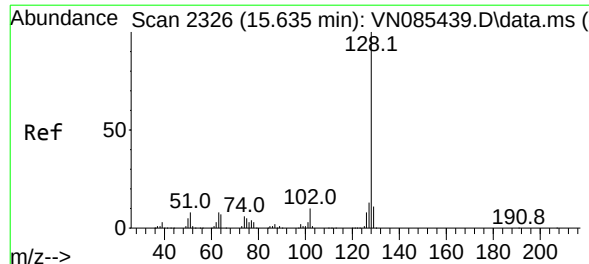
Ion Ratio Lower Upper

225 100

223 63.3 30.7 92.1

227 62.1 30.9 92.5





#95

Naphthalene

Concen: 8.717 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA_N

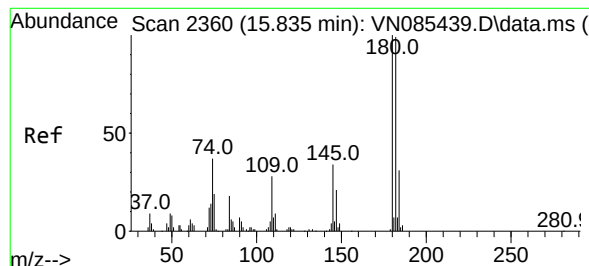
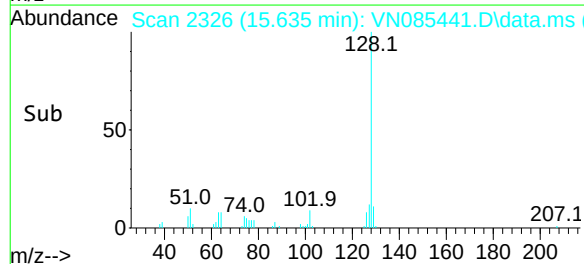
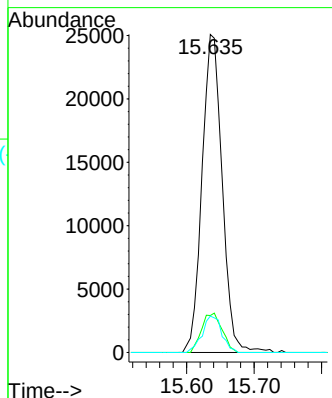
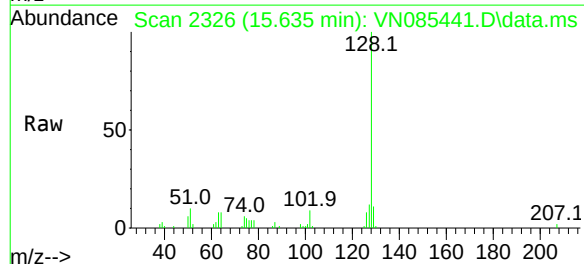
ClientSampleId :

VSTDICC010

Tgt Ion:	128	Resp:	52054
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	11.2	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#96

1,2,3-Trichlorobenzene

Concen: 9.605 ug/l

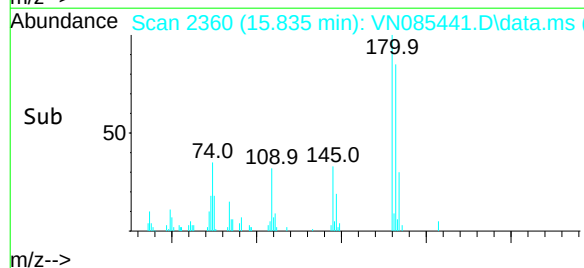
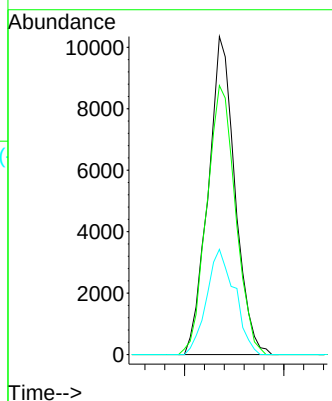
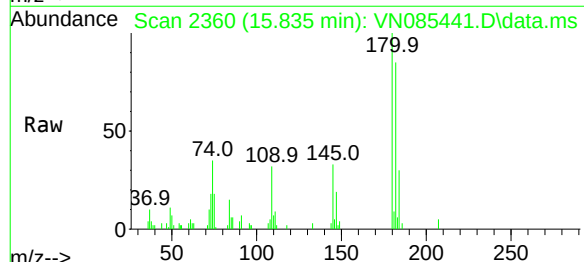
RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion:	180	Resp:	19450
Ion	Ratio	Lower	Upper
180	100		
182	90.3	47.4	142.2
145	34.7	16.9	50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085442.D
 Acq On : 14 Jan 2025 16:31
 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 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 01:28:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	186556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126086	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	17046	5.660	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	11.320%#
35) Dibromofluoromethane	8.165	113	12102	5.377	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.760%#
50) Toluene-d8	10.565	98	41328	5.168	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	10.340%#
62) 4-Bromofluorobenzene	12.847	95	13520	4.943	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	9.880%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	13199	5.225	ug/l	97
3) Chloromethane	2.359	50	14526	5.311	ug/l	96
4) Vinyl Chloride	2.512	62	14564	5.298	ug/l	98
5) Bromomethane	2.953	94	9788	5.895	ug/l	98
6) Chloroethane	3.124	64	9430	5.411	ug/l	99
7) Trichlorofluoromethane	3.501	101	20098	5.039	ug/l	92
8) Diethyl Ether	3.959	74	6652	4.828	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	11917	5.305	ug/l	97
10) Methyl Iodide	4.583	142	12331	4.793	ug/l	99
11) Tert butyl alcohol	5.518	59	9075	26.318	ug/l #	94
12) 1,1-Dichloroethene	4.342	96	10429	5.209	ug/l	96
13) Acrolein	4.171	56	9430	20.033	ug/l	97
14) Allyl chloride	5.030	41	16741	5.153	ug/l	97
15) Acrylonitrile	5.718	53	27869	25.445	ug/l	97
16) Acetone	4.430	43	25122	25.819	ug/l	97
17) Carbon Disulfide	4.706	76	32068	5.202	ug/l	96
18) Methyl Acetate	5.024	43	15106	5.106	ug/l	97
19) Methyl tert-butyl Ether	5.800	73	31439	4.836	ug/l	94
20) Methylene Chloride	5.271	84	12981	5.389	ug/l #	83
21) trans-1,2-Dichloroethene	5.783	96	10614	4.960	ug/l #	78
22) Diisopropyl ether	6.665	45	35785	4.962	ug/l #	96
23) Vinyl Acetate	6.600	43	118439m	23.389	ug/l	
24) 1,1-Dichloroethane	6.565	63	22865	5.200	ug/l	99
25) 2-Butanone	7.483	43	36127	25.231	ug/l	99
26) 2,2-Dichloropropane	7.488	77	18398	5.175	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	12477	4.951	ug/l	99
28) Bromochloromethane	7.806	49	11096	5.424	ug/l	99
29) Tetrahydrofuran	7.841	42	21983	24.215	ug/l	99
30) Chloroform	7.959	83	23384	5.146	ug/l	98
31) Cyclohexane	8.247	56	22343	5.846	ug/l #	92
32) 1,1,1-Trichloroethane	8.159	97	21416	5.372	ug/l	91
36) 1,1-Dichloropropene	8.371	75	15886	5.029	ug/l	96
37) Ethyl Acetate	7.553	43	16879m	5.294	ug/l	
38) Carbon Tetrachloride	8.359	117	18317	5.065	ug/l	96
39) Methylcyclohexane	9.600	83	14175	4.776	ug/l	98
40) Benzene	8.600	78	47833	5.040	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085442.D
 Acq On : 14 Jan 2025 16:31
 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 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M

Quant Title : SW846 8260

QLast Update : Wed Jan 15 01:28:51 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	7380	4.449	ug/l	96
42) 1,2-Dichloroethane	8.671	62	18628	5.211	ug/l	98
43) Isopropyl Acetate	8.688	43	24792	4.853	ug/l	98
44) Trichloroethene	9.347	130	11133	5.039	ug/l	86
45) 1,2-Dichloropropane	9.618	63	12591	5.194	ug/l	92
46) Dibromomethane	9.700	93	8230	4.705	ug/l	91
47) Bromodichloromethane	9.888	83	18456	5.179	ug/l #	96
48) Methyl methacrylate	9.677	41	10574	4.599	ug/l	95
49) 1,4-Dioxane	9.694	88	3619	93.477	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	71889	24.250	ug/l	98
52) Toluene	10.629	92	27098	4.928	ug/l	98
53) t-1,3-Dichloropropene	10.829	75	17099	5.077	ug/l	95
54) cis-1,3-Dichloropropene	10.306	75	17440	4.848	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	11311	5.197	ug/l	96
56) Ethyl methacrylate	10.871	69	14094	5.627	ug/l	94
57) 1,3-Dichloropropane	11.159	76	18945	5.006	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	33210	24.047	ug/l	97
59) 2-Hexanone	11.194	43	49021	23.501	ug/l	94
60) Dibromochloromethane	11.353	129	13635	5.190	ug/l	96
61) 1,2-Dibromoethane	11.471	107	10419	4.810	ug/l	98
64) Tetrachloroethene	11.100	164	9756	5.071	ug/l	91
65) Chlorobenzene	11.888	112	31312	5.065	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	11620	5.121	ug/l	98
67) Ethyl Benzene	11.965	91	48216	4.789	ug/l	98
68) m/p-Xylenes	12.065	106	34771	9.344	ug/l	99
69) o-Xylene	12.394	106	16419	4.617	ug/l	98
70) Styrene	12.412	104	26218	4.454	ug/l	99
71) Bromoform	12.576	173	8017	4.938	ug/l #	99
73) Isopropylbenzene	12.694	105	39811	4.678	ug/l	99
74) N-amyl acetate	12.488	43	17577	4.595	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	15483	5.151	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	12173m	4.758	ug/l	
77) Bromobenzene	12.982	156	11091	4.989	ug/l	99
78) n-propylbenzene	13.035	91	45450	4.512	ug/l	99
79) 2-Chlorotoluene	13.123	91	31932	4.898	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	31891	4.537	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	4229	4.465	ug/l	90
82) 4-Chlorotoluene	13.218	91	31976	4.926	ug/l	100
83) tert-Butylbenzene	13.435	119	27597	4.675	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	32054	4.575	ug/l	98
85) sec-Butylbenzene	13.612	105	38148	4.663	ug/l	98
86) p-Isopropyltoluene	13.723	119	29856	4.584	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	20876	5.099	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	21982	5.179	ug/l	97
89) n-Butylbenzene	14.053	91	27437	4.675	ug/l	96
90) Hexachloroethane	14.329	117	7767	4.987	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	20177	4.940	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	2872	5.232	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	9037	4.761	ug/l	94
94) Hexachlorobutadiene	15.500	225	5563	5.520	ug/l	98
95) Naphthalene	15.641	128	25047	4.422	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	8737	4.549	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
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 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

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

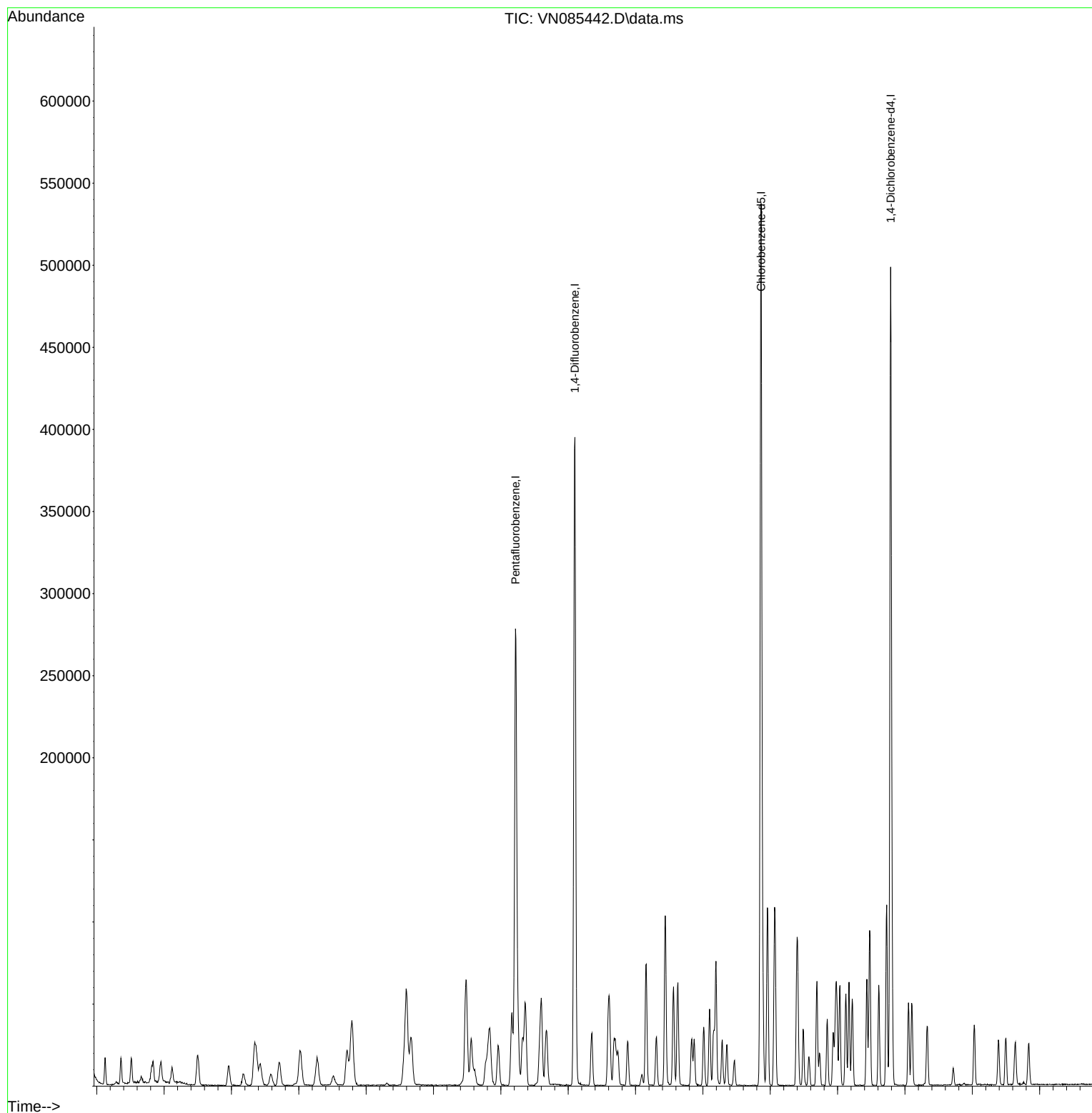
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Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

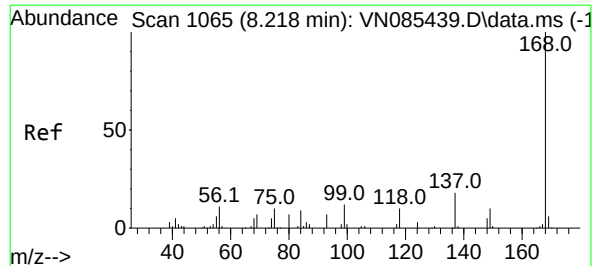
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By : John Carlone 01/15/2025
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Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration





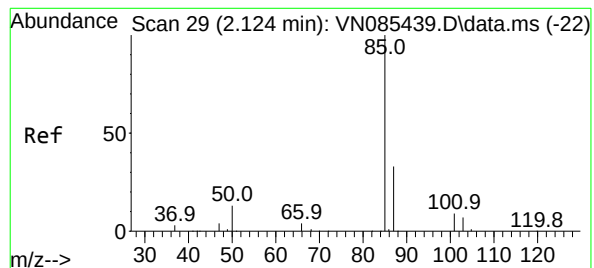
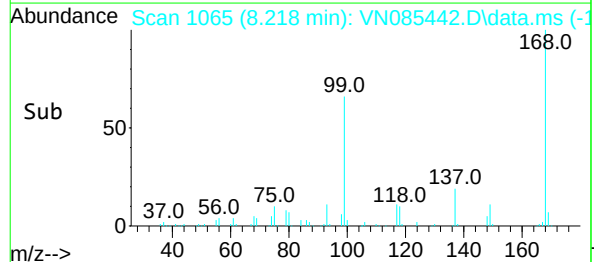
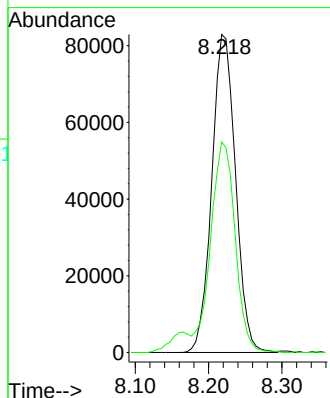
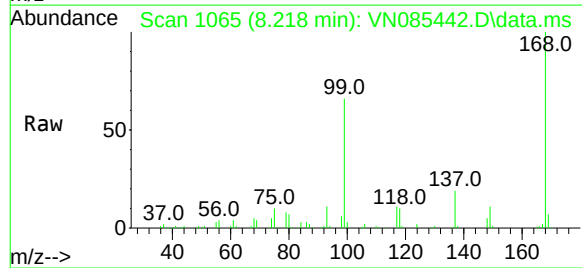
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 168 Resp: 186556
Ion Ratio Lower Upper
168 100
99 65.9 53.6 80.4

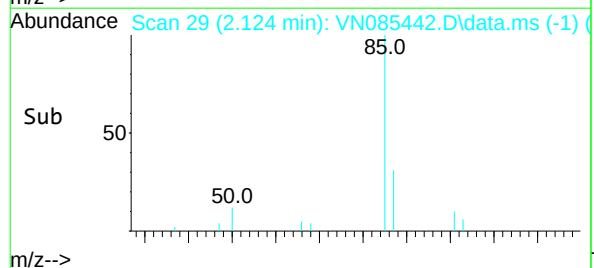
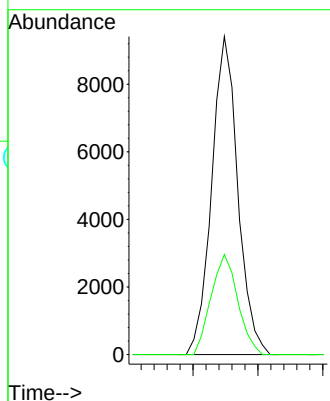
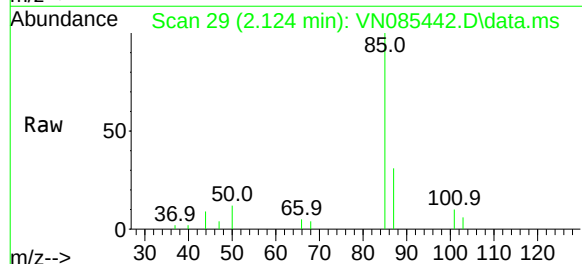
Manual Integrations
APPROVED

Reviewed By : John Carlone 01/15/2025
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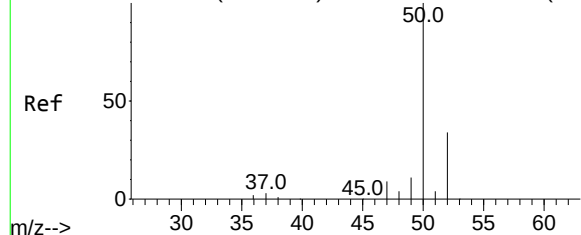


#2
Dichlorodifluoromethane
Concen: 5.225 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 85 Resp: 13199
Ion Ratio Lower Upper
85 100
87 31.5 16.7 50.1



Abundance Scan 69 (2.359 min): VN085439.D\data.ms (-62)



#3

Chloromethane

Concen: 5.311 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 14526

Ion Ratio Lower Upper

50 100

52 31.6 27.0 40.6

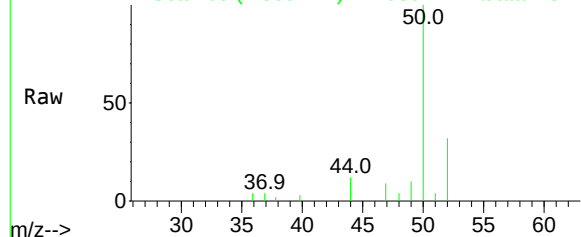
Manual Integrations

APPROVED

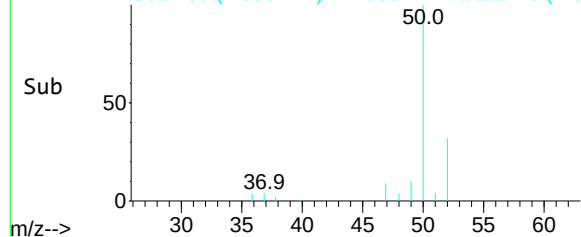
Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025

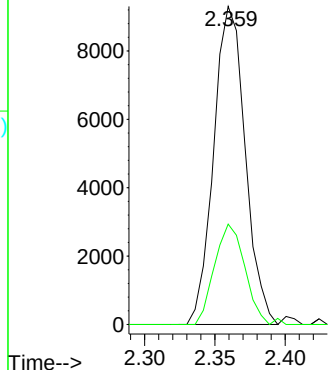
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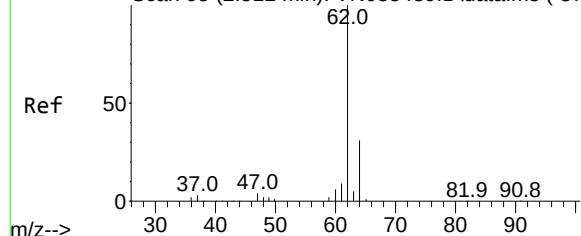
Abundance Scan 69 (2.359 min): VN085442.D\data.ms (-18)



Abundance



Abundance Scan 95 (2.512 min): VN085439.D\data.ms (-87)



#4

Vinyl Chloride

Concen: 5.298 ug/l

RT: 2.512 min Scan# 95

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

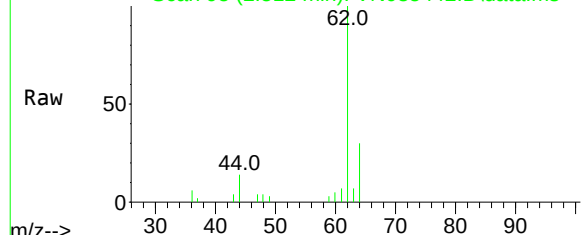
Tgt Ion: 62 Resp: 14564

Ion Ratio Lower Upper

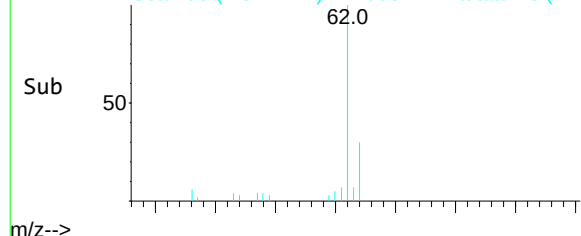
62 100

64 29.9 24.8 37.2

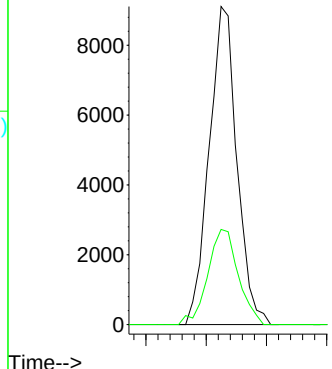
Abundance Scan 95 (2.512 min): VN085442.D\data.ms

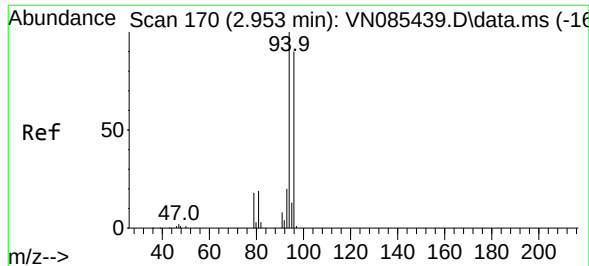


Abundance Scan 95 (2.512 min): VN085442.D\data.ms (-44)



Abundance





#5

Bromomethane

Concen: 5.895 ug/l

RT: 2.953 min Scan# 170

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 94 Resp: 9788

Ion Ratio Lower Upper

94 100

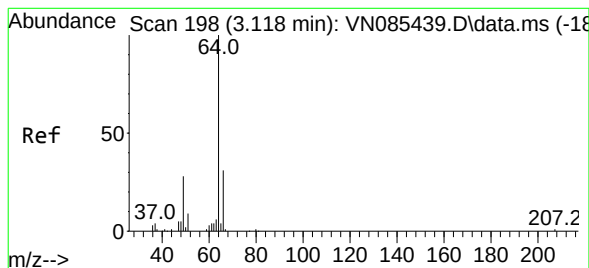
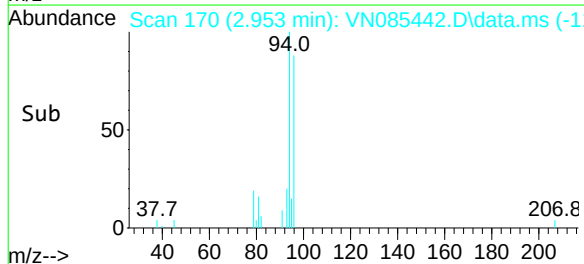
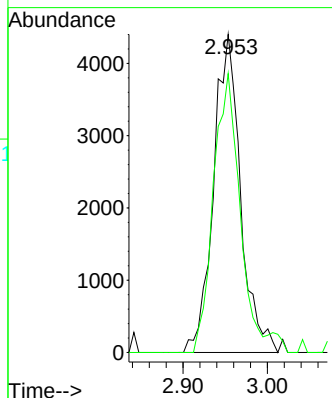
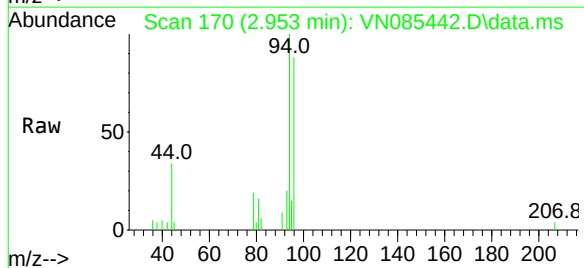
96 87.7 71.8 107.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#6

Chloroethane

Concen: 5.411 ug/l

RT: 3.124 min Scan# 199

Delta R.T. 0.006 min

Lab File: VN085442.D

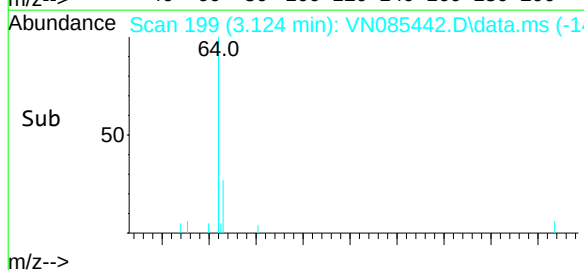
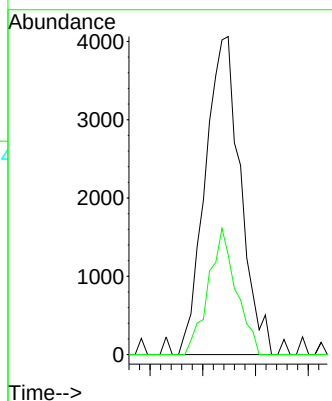
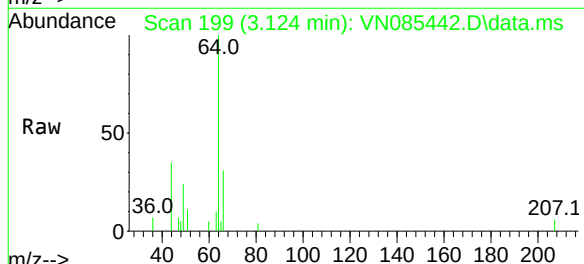
Acq: 14 Jan 2025 16:31

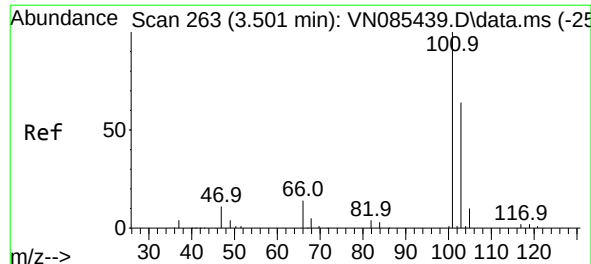
Tgt Ion: 64 Resp: 9430

Ion Ratio Lower Upper

64 100

66 31.4 24.6 36.8





#7

Trichlorofluoromethane

Concen: 5.039 ug/l

RT: 3.501 min Scan# 26

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion:101 Resp: 20098

Ion Ratio Lower Upper

101 100

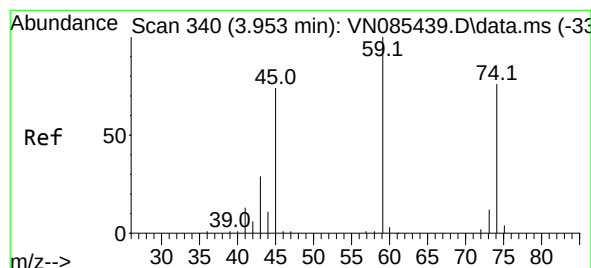
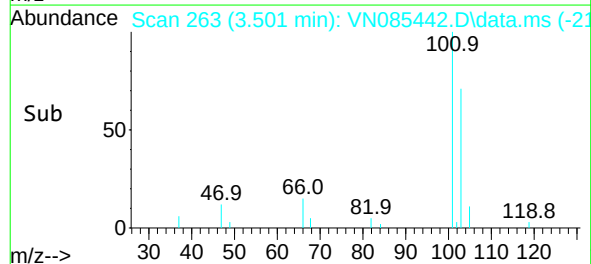
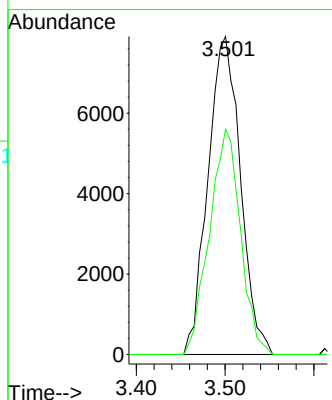
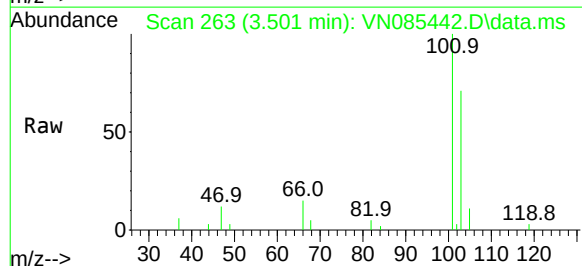
103 70.8 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#8

Diethyl Ether

Concen: 4.828 ug/l

RT: 3.959 min Scan# 341

Delta R.T. 0.006 min

Lab File: VN085442.D

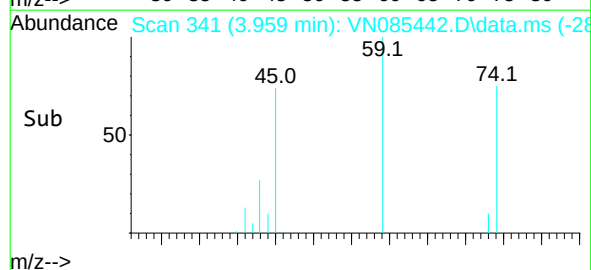
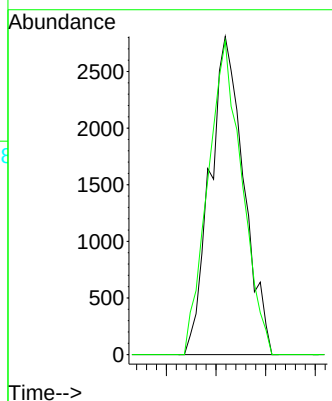
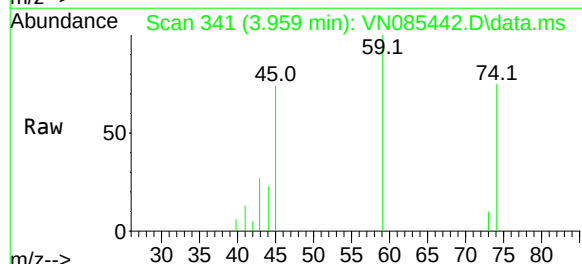
Acq: 14 Jan 2025 16:31

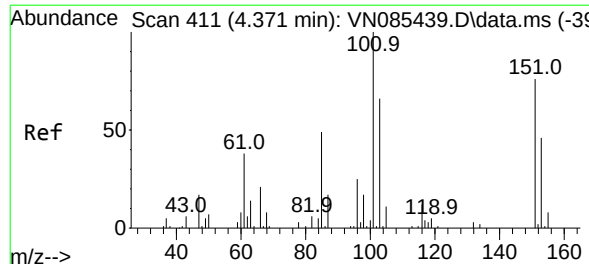
Tgt Ion: 74 Resp: 6652

Ion Ratio Lower Upper

74 100

45 99.5 49.7 149.1





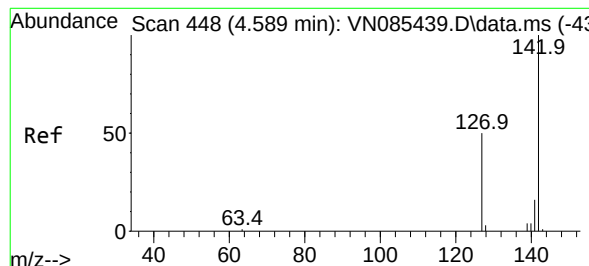
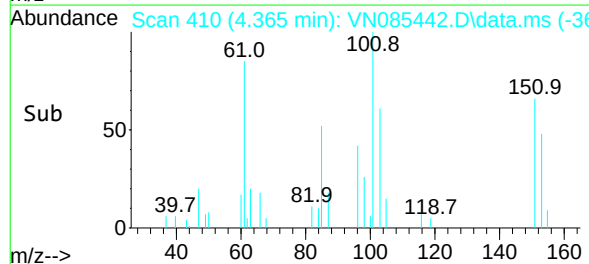
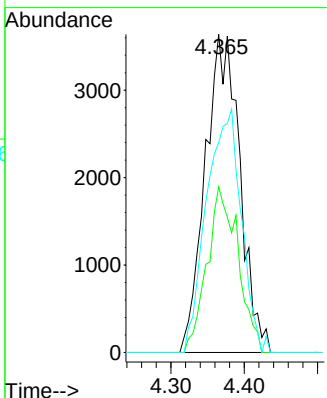
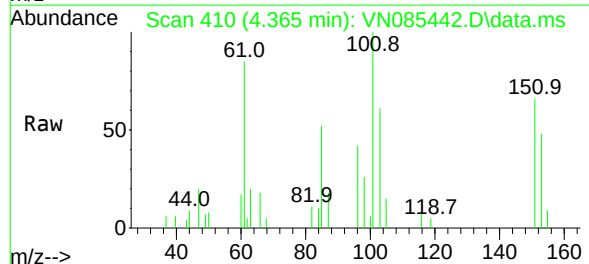
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.305 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion	101	Resp	11917
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.8	56.8
151	76.7	58.8	88.2

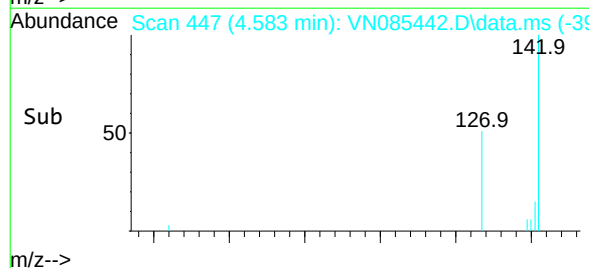
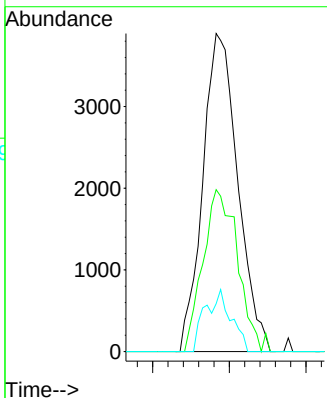
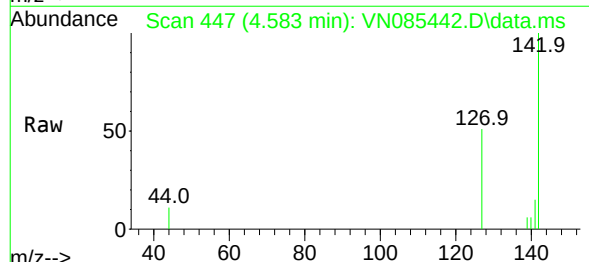
Manual Integrations
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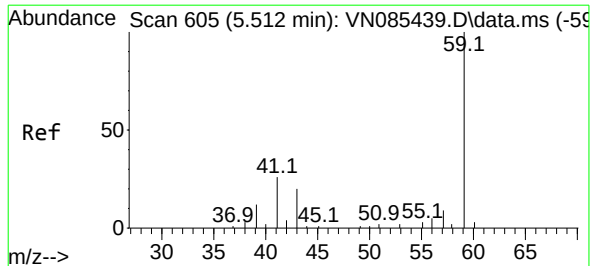
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#10
Methyl Iodide
Concen: 4.793 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion	142	Resp	12331
Ion Ratio	Lower	Upper	
142	100		
127	50.9	40.3	60.5
141	15.0	12.8	19.2





#11

Tert butyl alcohol

Concen: 26.318 ug/l

RT: 5.518 min Scan# 605

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 9075

Ion Ratio Lower Upper

59 100

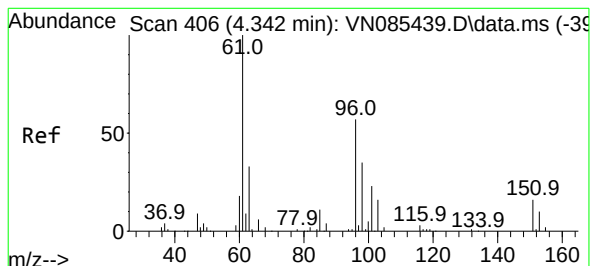
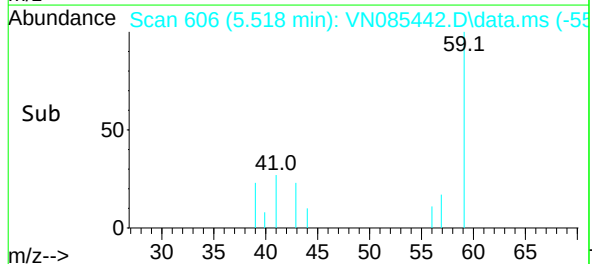
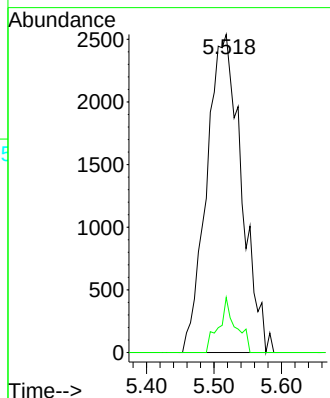
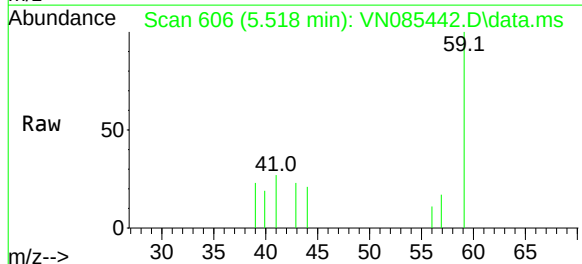
57 8.5 8.6 13.0#

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#12

1,1-Dichloroethene

Concen: 5.209 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

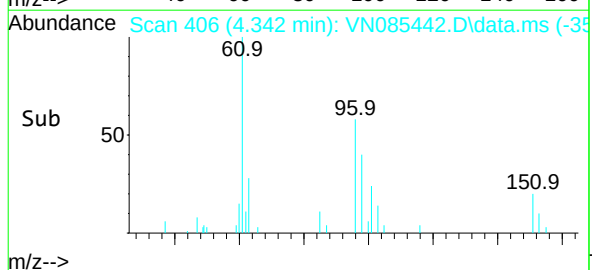
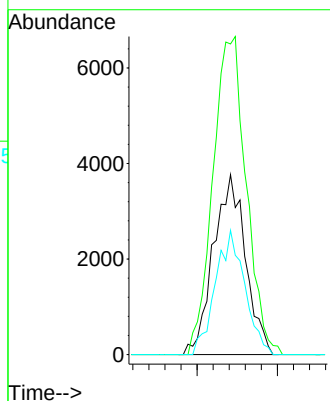
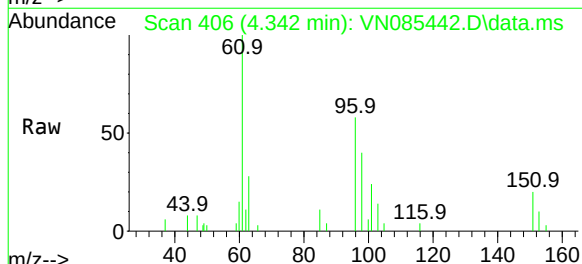
Tgt Ion: 96 Resp: 10429

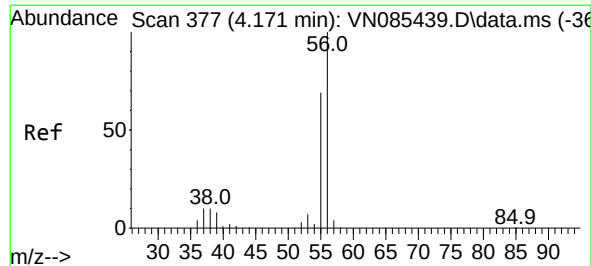
Ion Ratio Lower Upper

96 100

61 172.7 141.0 211.4

98 69.0 49.0 73.6





#13

Acrolein

Concen: 20.033 ug/l

RT: 4.171 min Scan# 377

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 9430

Ion Ratio Lower Upper

56 100

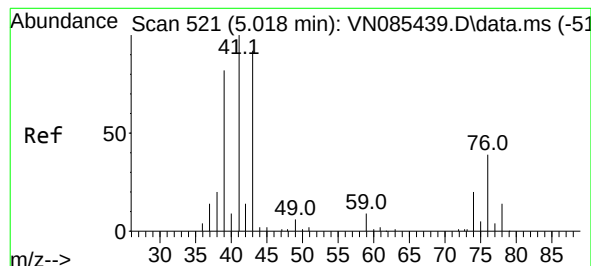
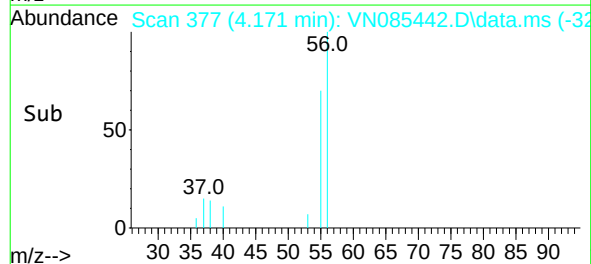
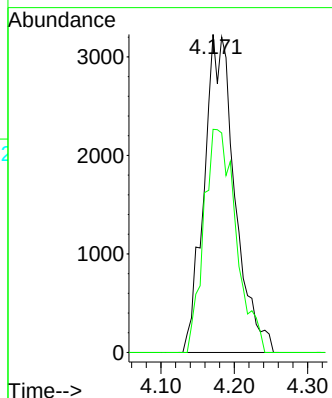
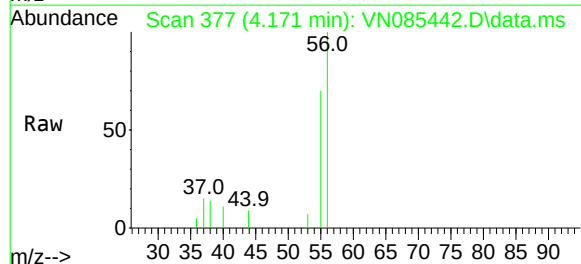
55 73.2 56.3 84.5

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#14

Allyl chloride

Concen: 5.153 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.012 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

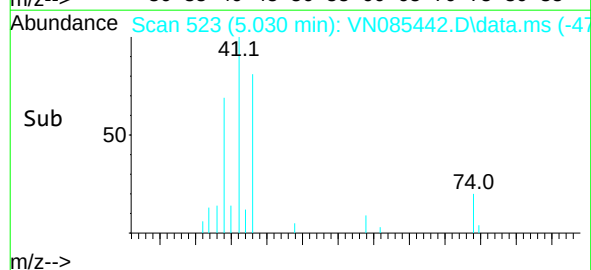
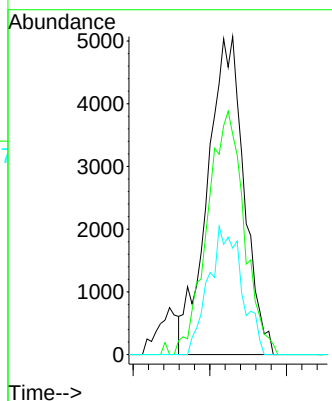
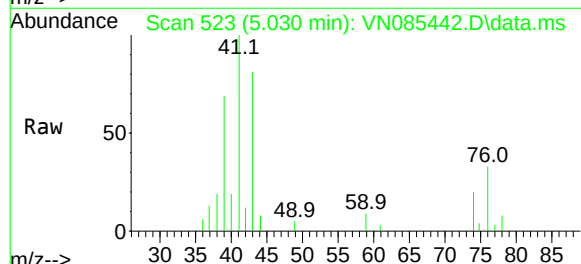
Tgt Ion: 41 Resp: 16741

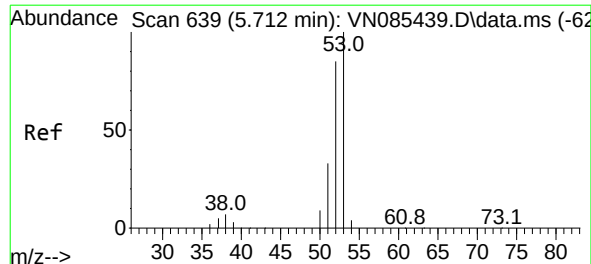
Ion Ratio Lower Upper

41 100

39 77.4 64.4 96.6

76 36.6 30.5 45.7





#15

Acrylonitrile

Concen: 25.445 ug/l

RT: 5.718 min Scan# 64

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

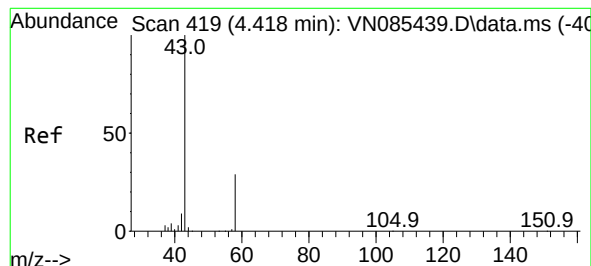
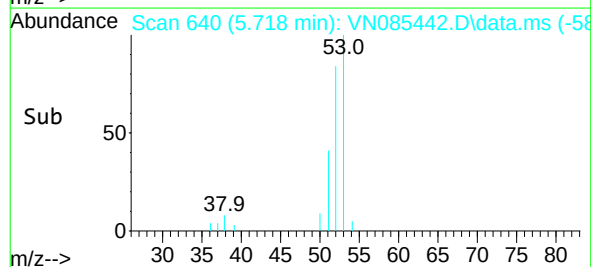
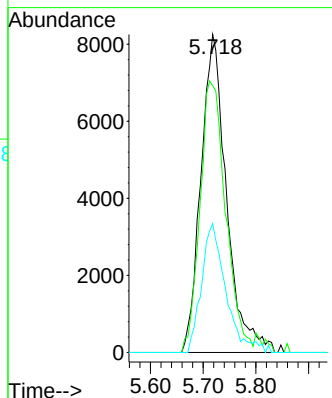
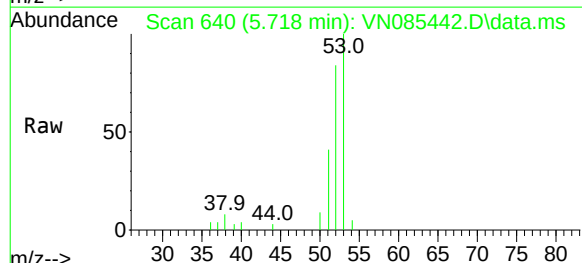
ClientSampleId :

VSTDICC005

Tgt Ion:	53	Resp:	27869
Ion	Ratio	Lower	Upper
53	100		
52	85.5	65.5	98.3
51	38.5	29.8	44.8

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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#16

Acetone

Concen: 25.819 ug/l

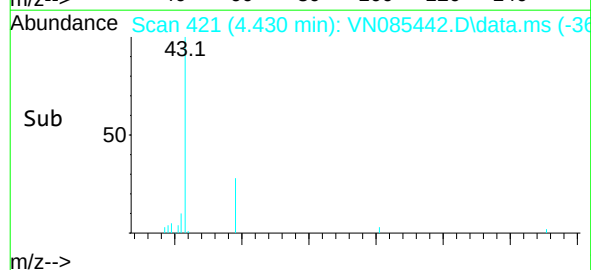
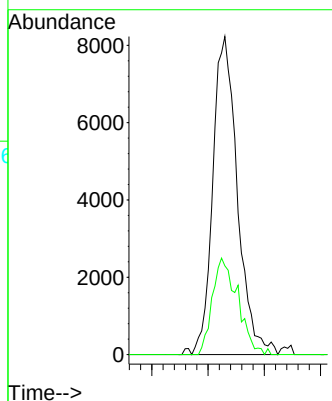
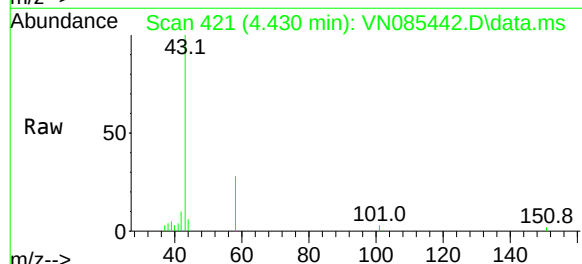
RT: 4.430 min Scan# 421

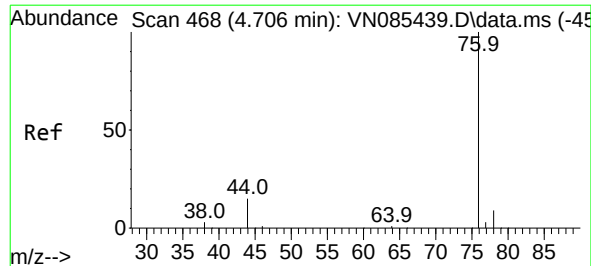
Delta R.T. 0.012 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt Ion:	43	Resp:	25122
Ion	Ratio	Lower	Upper
43	100		
58	27.9	23.8	35.6





#17

Carbon Disulfide

Concen: 5.202 ug/l

RT: 4.706 min Scan# 468

Delta R.T. 0.000 min

Lab File: VN085442.D

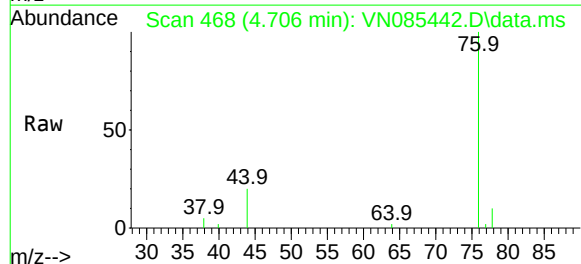
Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005



Tgt Ion: 76 Resp: 32068

Ion Ratio Lower Upper

76 100

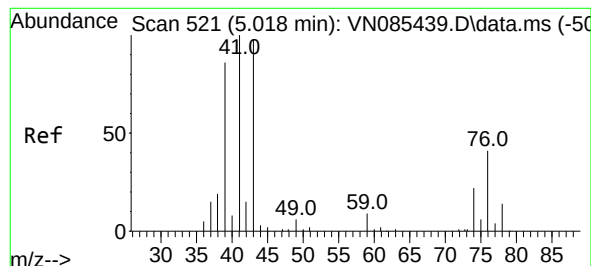
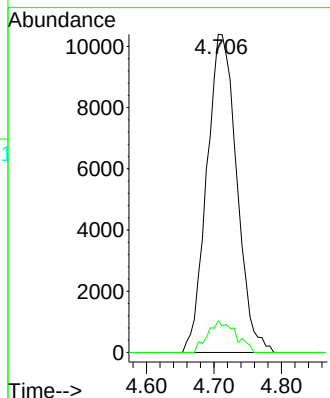
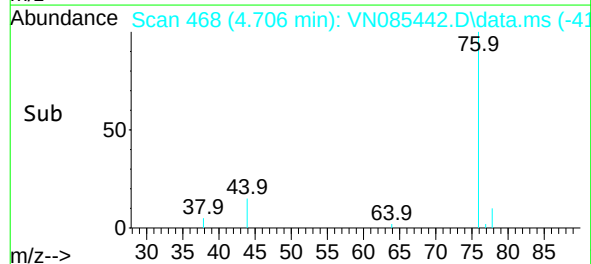
78 9.9 6.9 10.3

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#18

Methyl Acetate

Concen: 5.106 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN085442.D

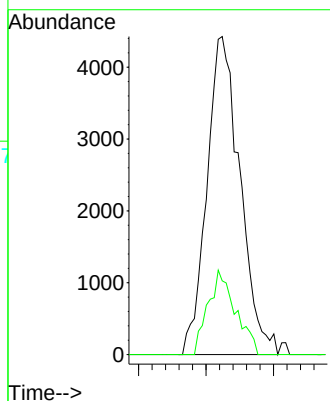
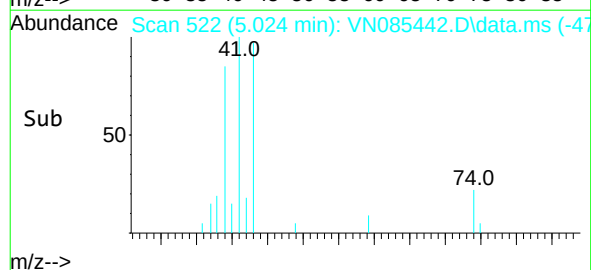
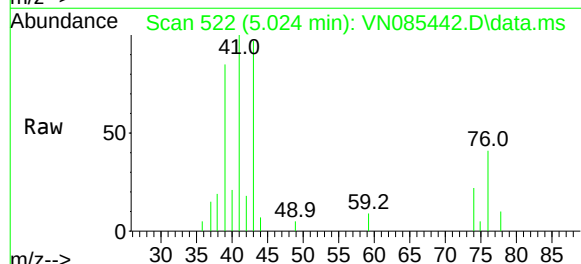
Acq: 14 Jan 2025 16:31

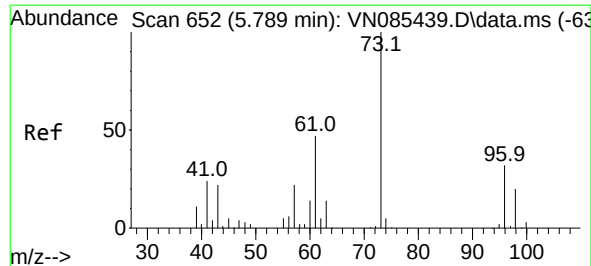
Tgt Ion: 43 Resp: 15106

Ion Ratio Lower Upper

43 100

74 22.0 18.6 28.0





#19

Methyl tert-butyl Ether

Concen: 4.836 ug/l

RT: 5.800 min Scan# 65

Delta R.T. 0.012 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 31439

Ion Ratio Lower Upper

73 100

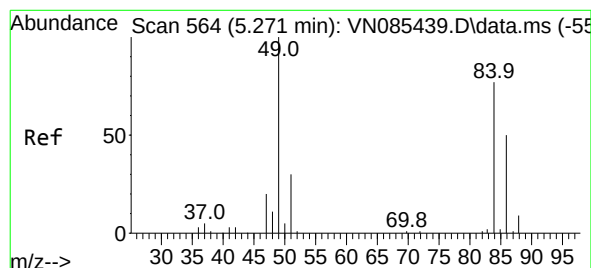
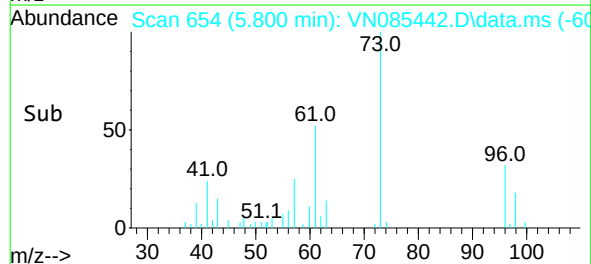
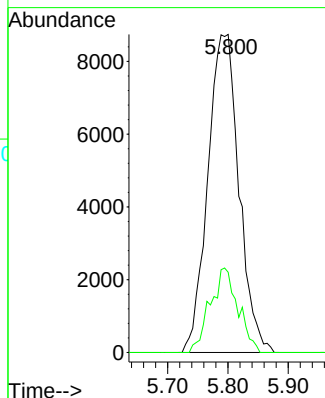
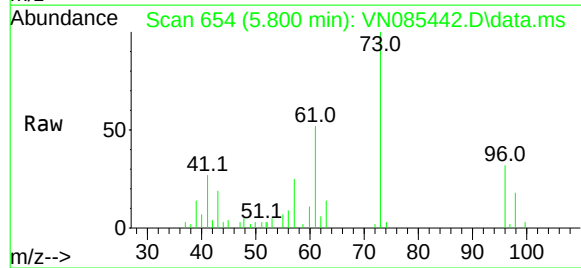
57 25.2 17.8 26.8

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#20

Methylene Chloride

Concen: 5.389 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt Ion: 84 Resp: 12981

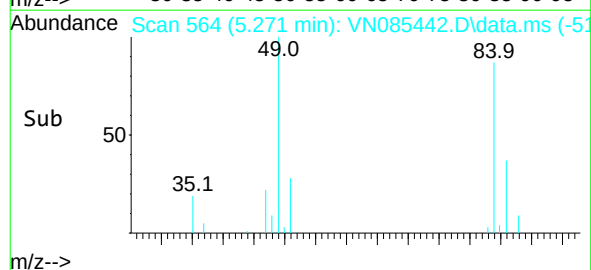
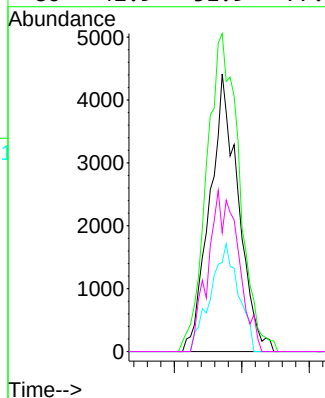
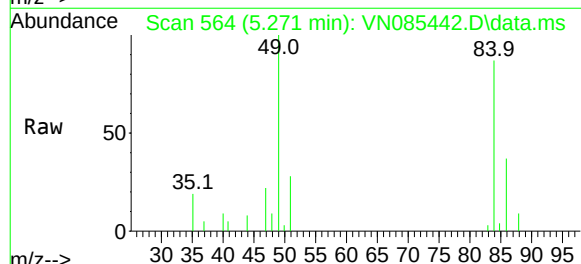
Ion Ratio Lower Upper

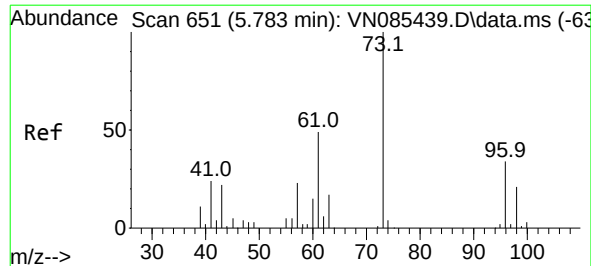
84 100

49 114.5 104.1 156.1

51 32.1 31.0 46.4

86 42.9 51.9 77.9#





#21

trans-1,2-Dichloroethene

Concen: 4.960 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 10614

Ion Ratio Lower Upper

96 100

61 118.1 115.7 173.5

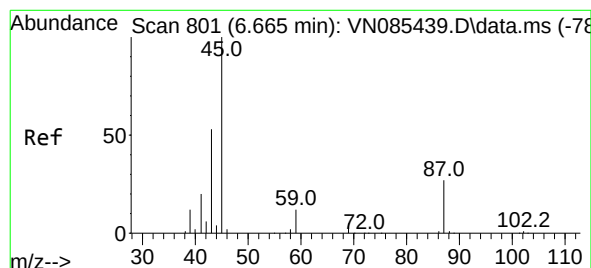
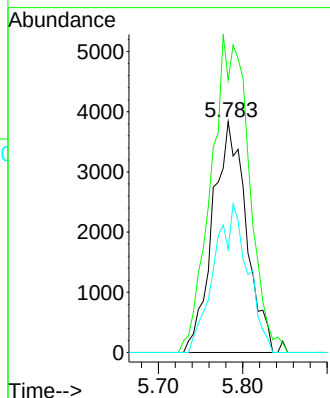
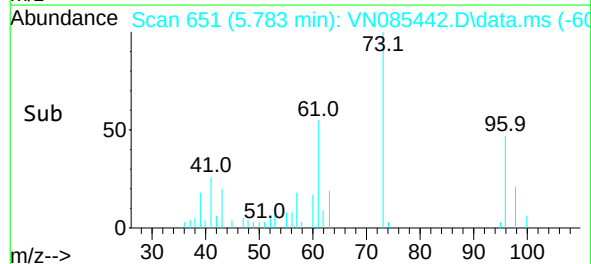
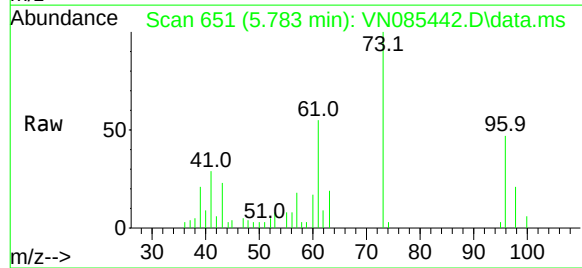
98 44.7 49.8 74.8#

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#22

Diisopropyl ether

Concen: 4.962 ug/l

RT: 6.665 min Scan# 801

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt Ion: 45 Resp: 35785

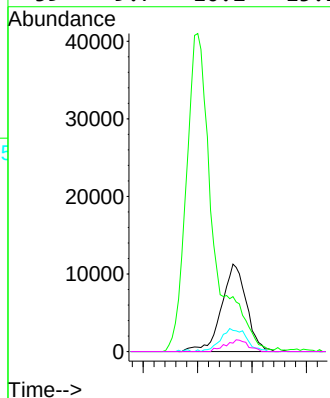
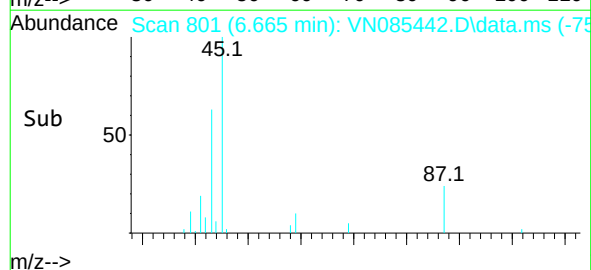
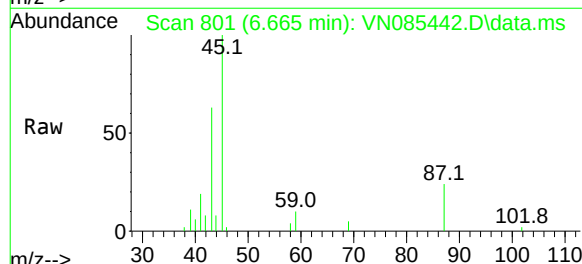
Ion Ratio Lower Upper

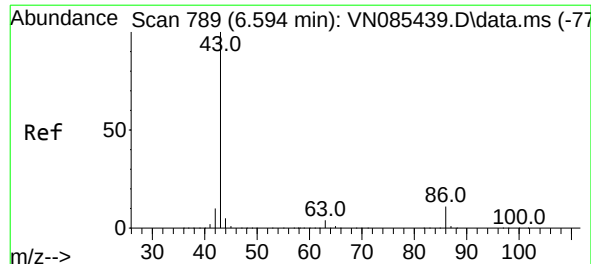
45 100

43 58.3 45.0 67.6

87 24.2 21.8 32.8

59 9.7 10.2 15.2#





#23

Vinyl Acetate

Concen: 23.389 ug/l m

RT: 6.600 min Scan# 790

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 118439

Ion Ratio Lower Upper

43 100

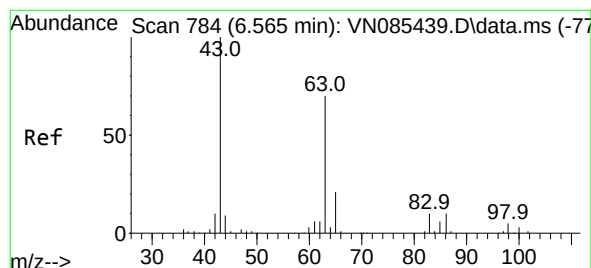
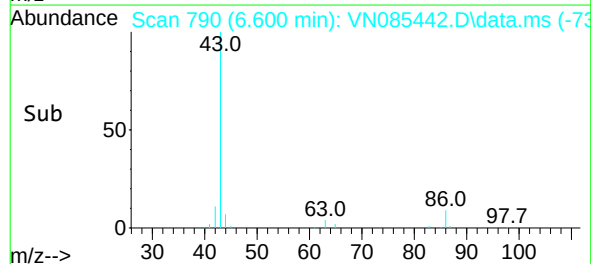
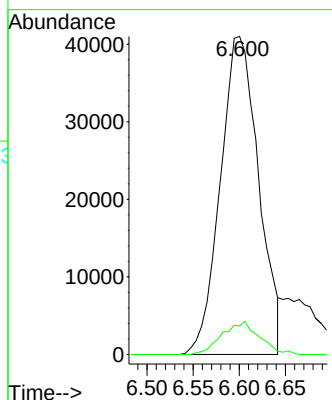
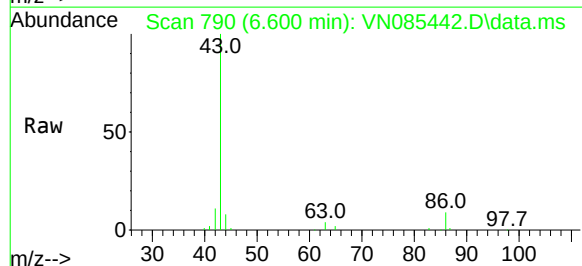
86 9.0 8.4 12.6

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#24

1,1-Dichloroethane

Concen: 5.200 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

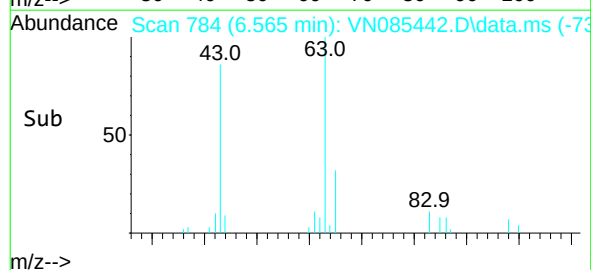
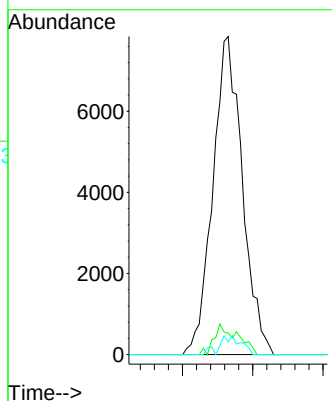
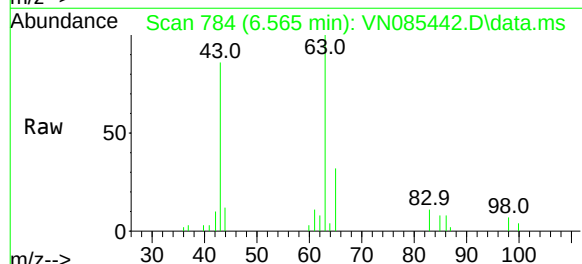
Tgt Ion: 63 Resp: 22865

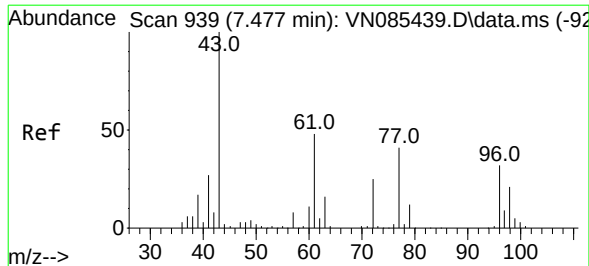
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 25.231 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt Ion: 43 Resp: 36127

Ion Ratio Lower Upper

43 100

72 24.9 20.2 30.4

Instrument :

MSVOA_N

ClientSampleId :

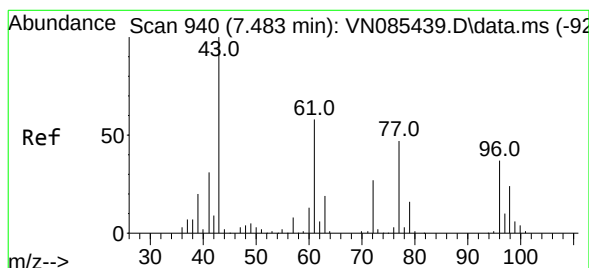
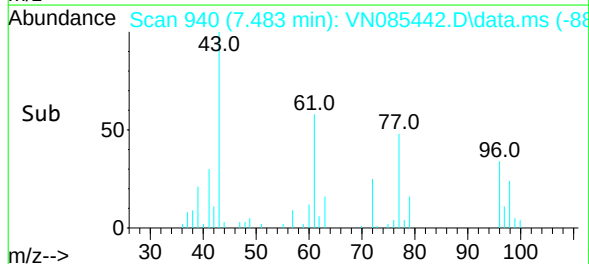
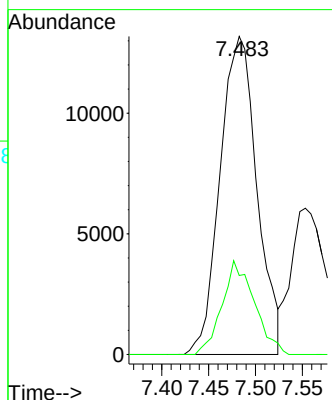
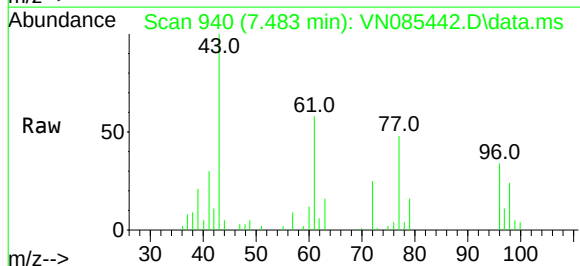
VSTDICC005

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#26

2,2-Dichloropropane

Concen: 5.175 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085442.D

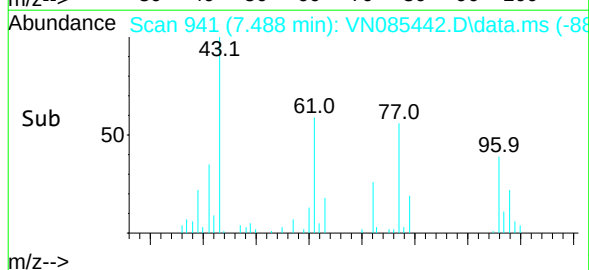
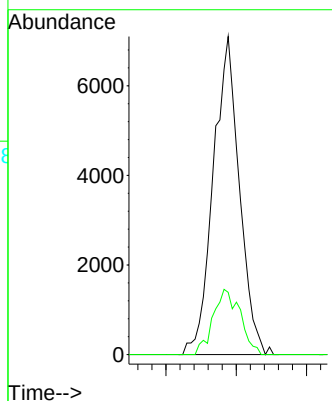
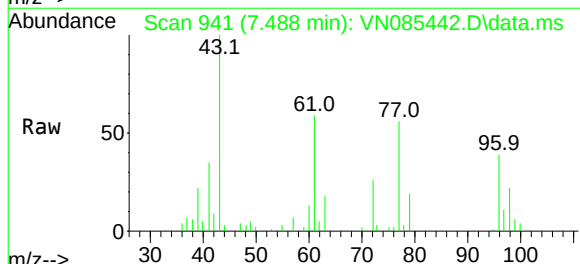
Acq: 14 Jan 2025 16:31

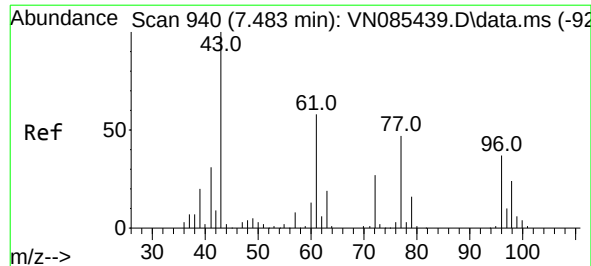
Tgt Ion: 77 Resp: 18398

Ion Ratio Lower Upper

77 100

97 21.2 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 4.951 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 12477

Ion Ratio Lower Upper

96 100

61 154.5 0.0 311.8

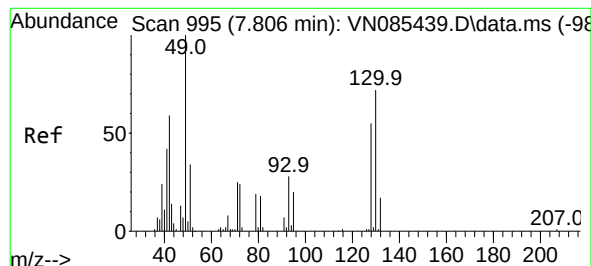
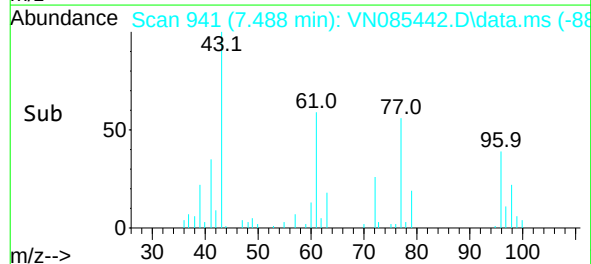
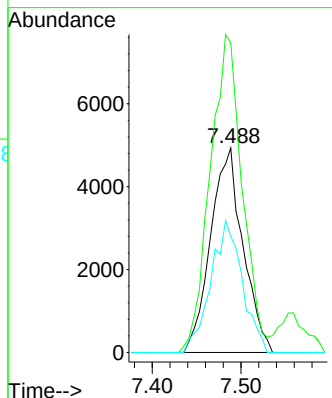
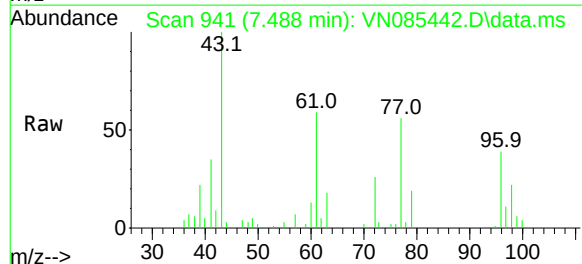
98 62.8 0.0 126.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#28

Bromochloromethane

Concen: 5.424 ug/l

RT: 7.806 min Scan# 995

Delta R.T. -0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

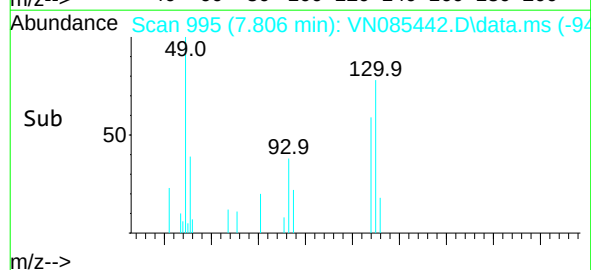
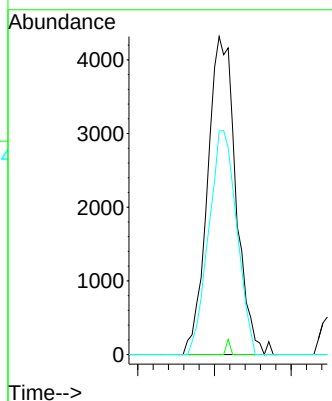
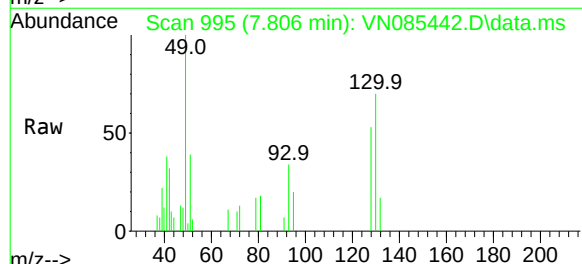
Tgt Ion: 49 Resp: 11096

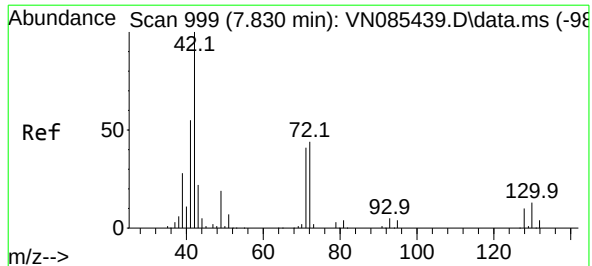
Ion Ratio Lower Upper

49 100

129 0.7 0.0 4.4

130 69.5 55.0 82.4





#29

Tetrahydrofuran

Concen: 24.215 ug/l

RT: 7.841 min Scan# 10

Delta R.T. 0.012 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 42 Resp: 21983

Ion Ratio Lower Upper

42 100

72 41.5 34.2 51.2

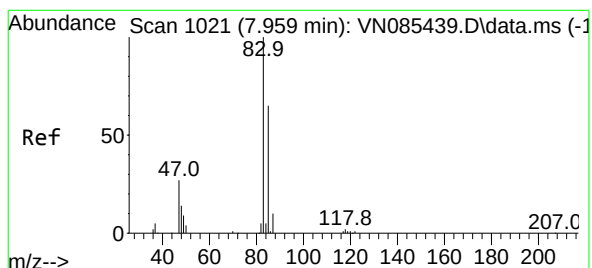
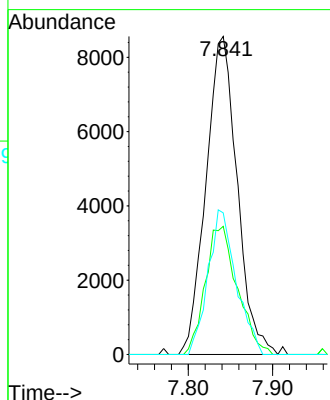
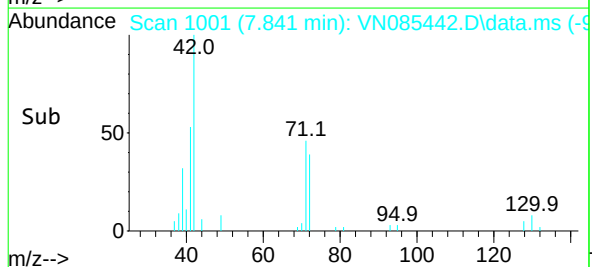
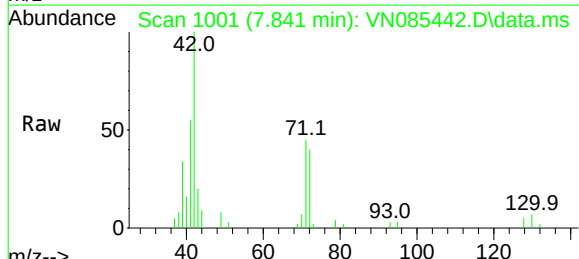
71 41.0 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#30

Chloroform

Concen: 5.146 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VN085442.D

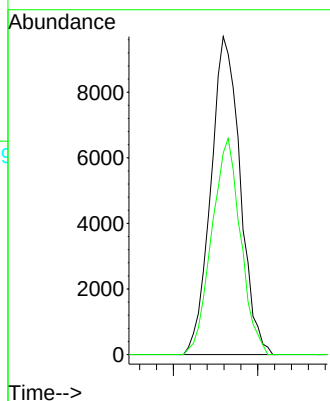
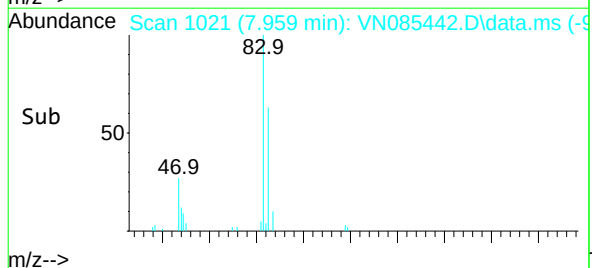
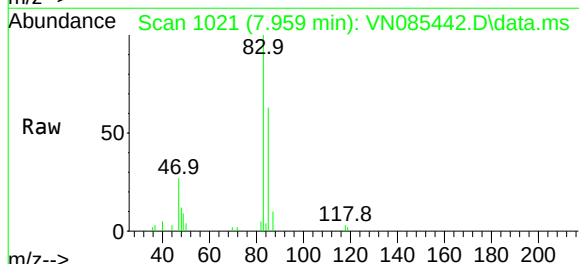
Acq: 14 Jan 2025 16:31

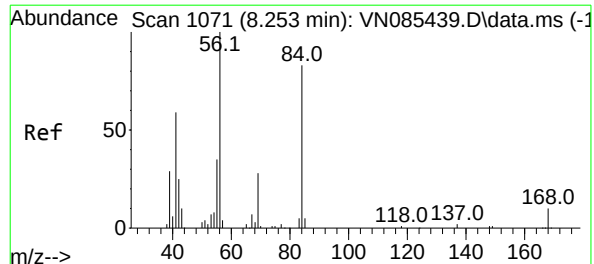
Tgt Ion: 83 Resp: 23384

Ion Ratio Lower Upper

83 100

85 63.4 51.8 77.6





#31

Cyclohexane

Concen: 5.846 ug/l

RT: 8.247 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 22343

Ion Ratio Lower Upper

56 100

69 42.3 22.2 33.4

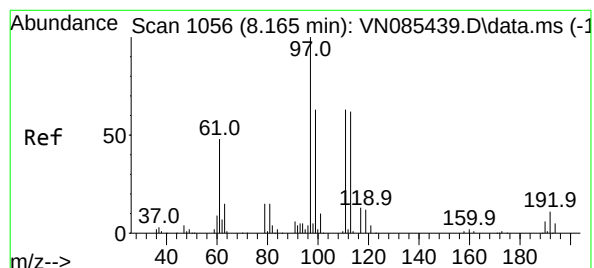
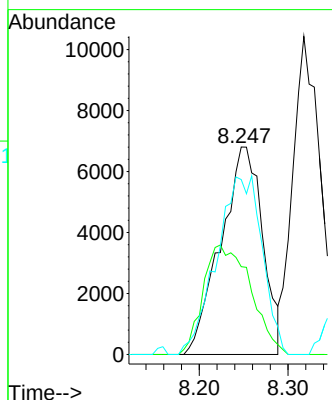
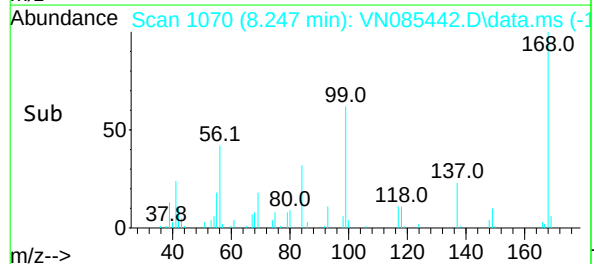
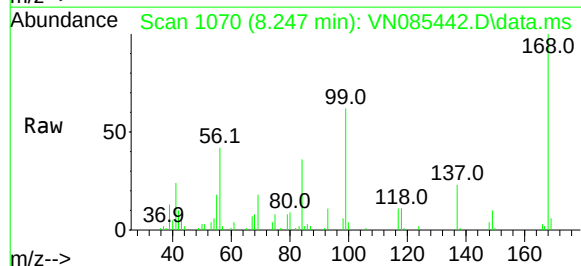
84 84.3 66.4 99.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#32

1,1,1-Trichloroethane

Concen: 5.372 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

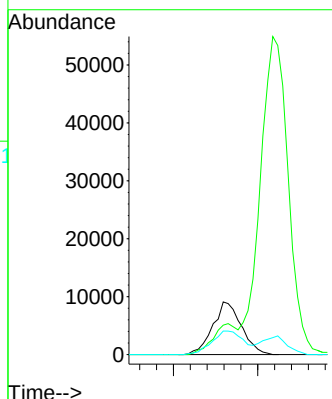
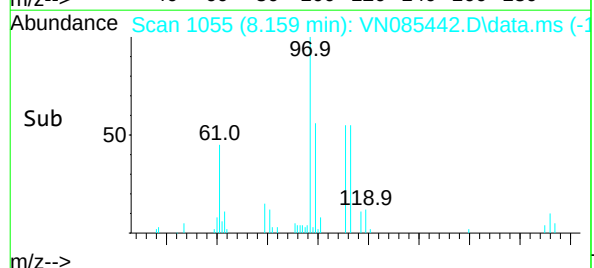
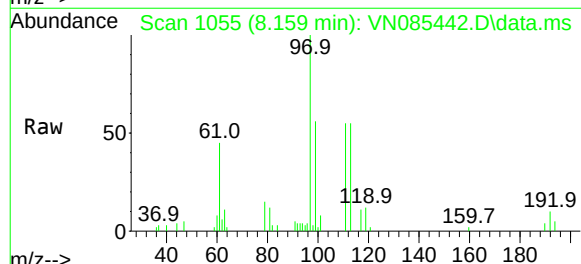
Tgt Ion: 97 Resp: 21416

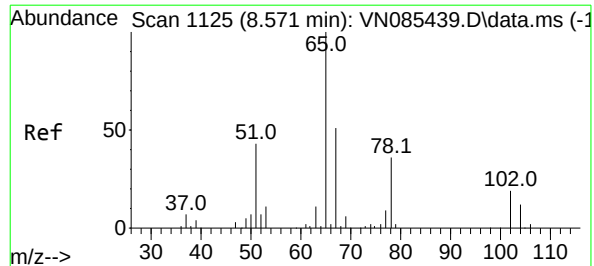
Ion Ratio Lower Upper

97 100

99 50.5 49.8 74.6

61 50.1 41.4 62.2





#33

1,2-Dichloroethane-d4

Concen: 5.660 ug/l

RT: 8.577 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 17046

Ion Ratio Lower Upper

65 100

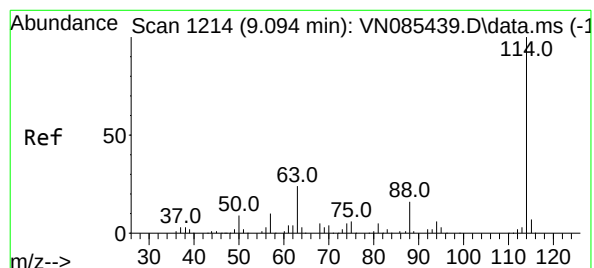
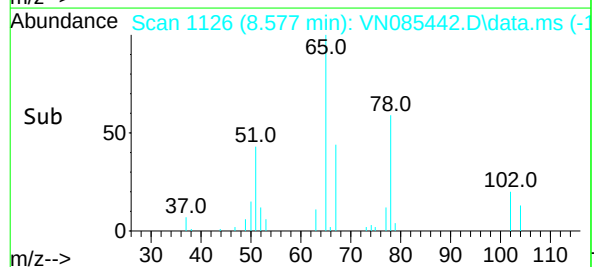
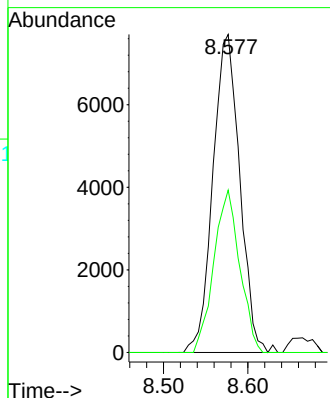
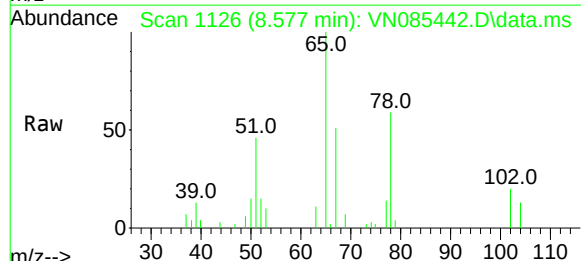
67 49.2 0.0 101.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

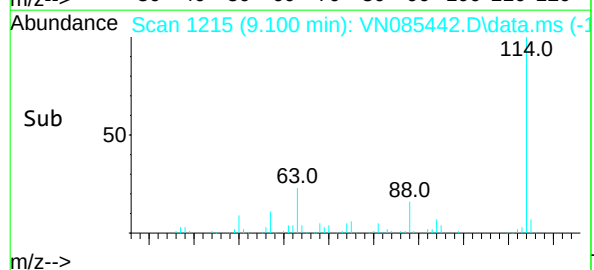
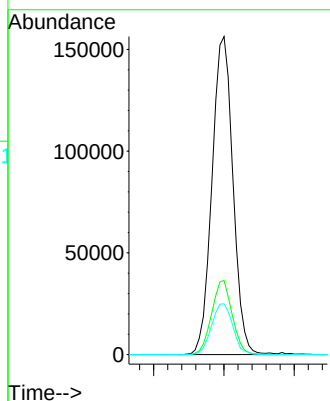
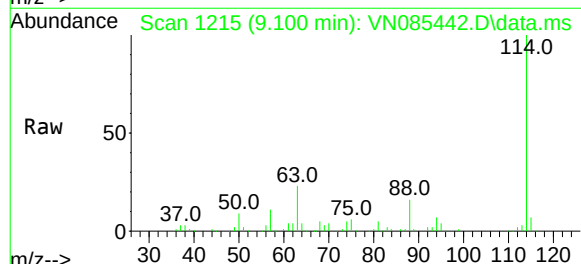
Tgt Ion:114 Resp: 324413

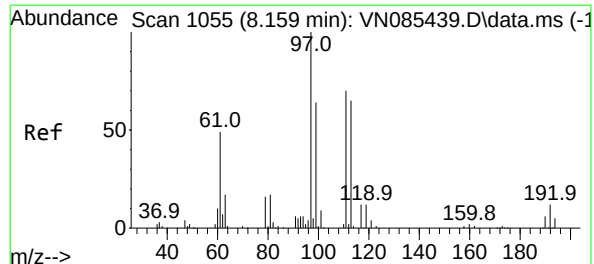
Ion Ratio Lower Upper

114 100

63 23.3 0.0 47.6

88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 5.377 ug/l

RT: 8.165 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:113 Resp: 12102

Ion Ratio Lower Upper

113 100

111 107.4 82.7 124.1

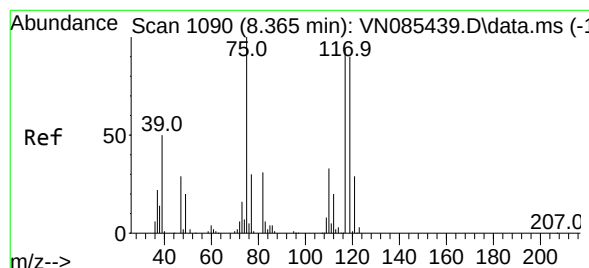
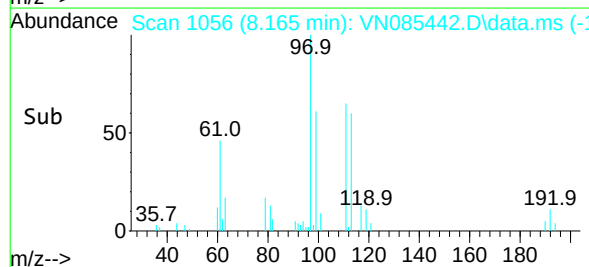
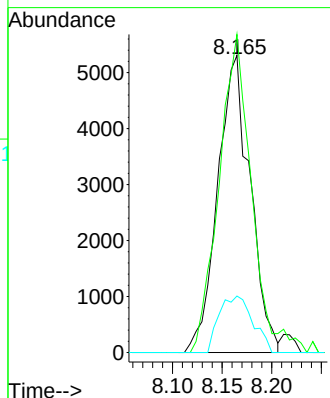
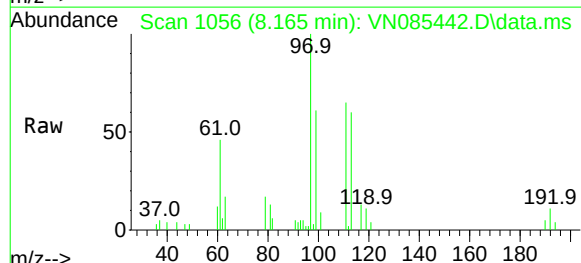
192 19.7 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#36

1,1-Dichloropropene

Concen: 5.029 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

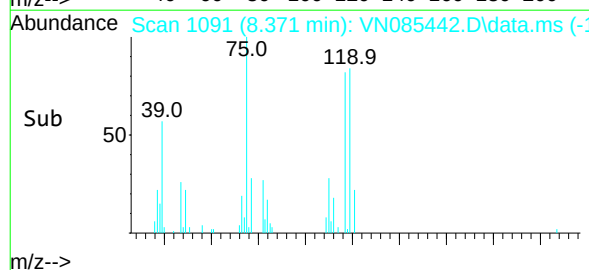
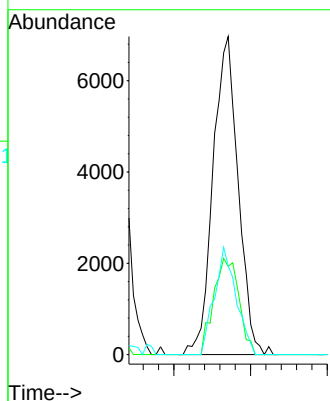
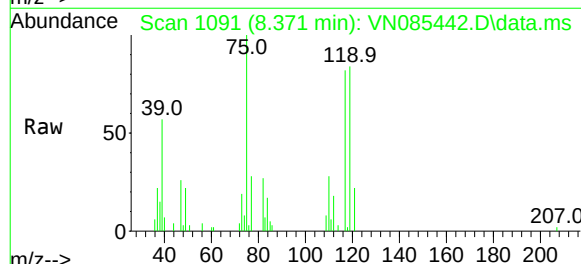
Tgt Ion: 75 Resp: 15886

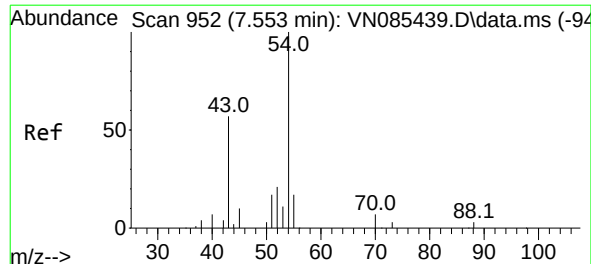
Ion Ratio Lower Upper

75 100

110 30.3 16.5 49.5

77 29.2 24.4 36.6





#37

Ethyl Acetate

Concen: 5.294 ug/l m

RT: 7.553 min Scan# 952

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

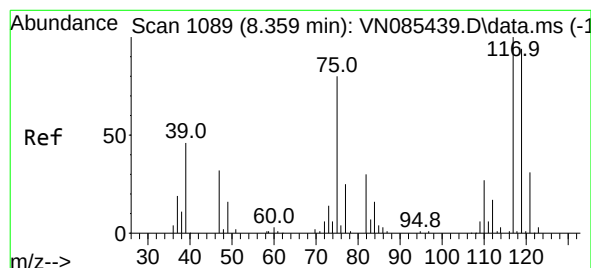
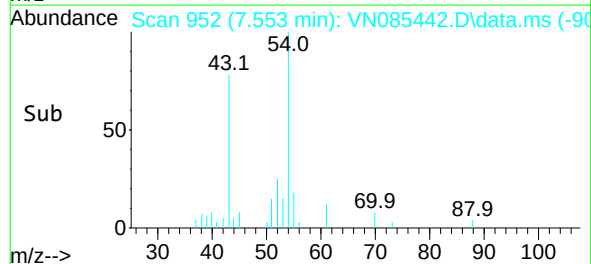
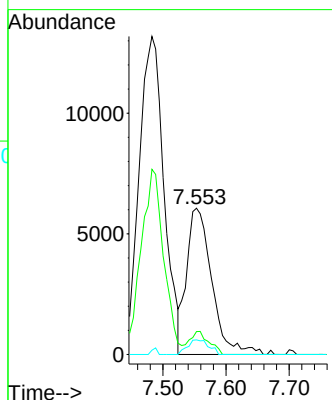
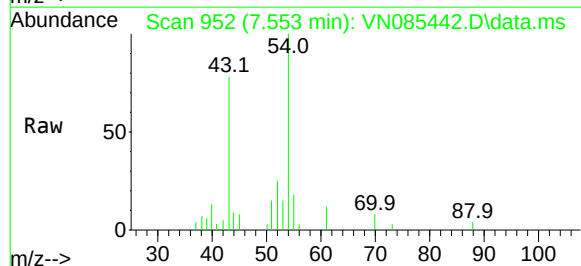
ClientSampleId :

VSTDICC005

Tgt Ion:	43	Resp:	16879
Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.9	16.3
70	8.4	7.5	11.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#38

Carbon Tetrachloride

Concen: 5.065 ug/l

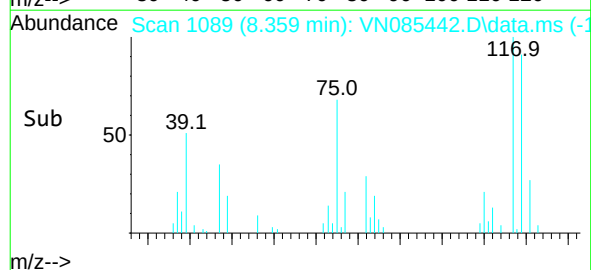
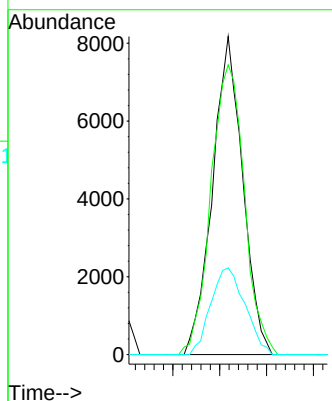
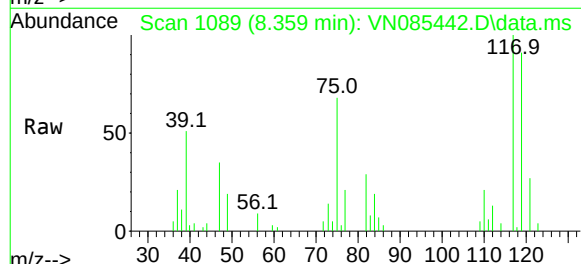
RT: 8.359 min Scan# 1089

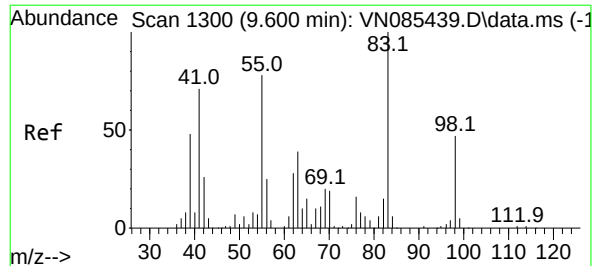
Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt Ion:	117	Resp:	18317
Ion	Ratio	Lower	Upper
117	100		
119	91.1	75.4	113.2
121	27.3	24.6	37.0





#39

Methylcyclohexane

Concen: 4.776 ug/l

RT: 9.600 min Scan# 13

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

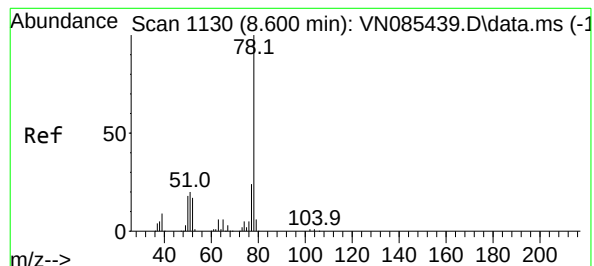
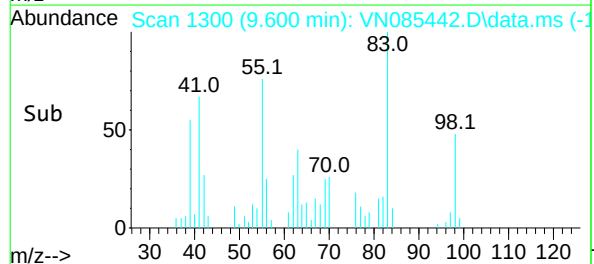
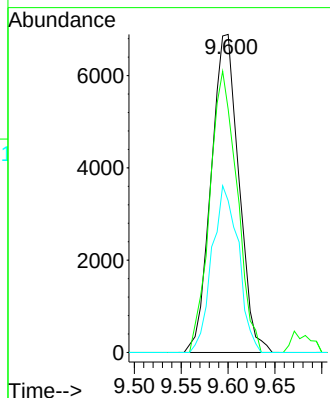
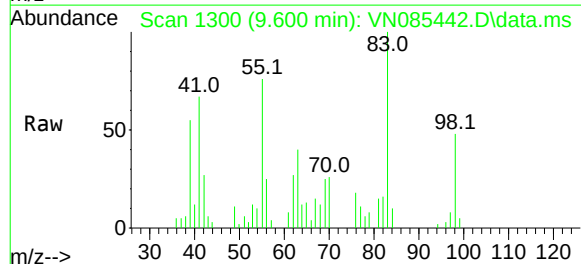
VSTDIC005

Tgt Ion:	83	Resp:	14175
Ion Ratio	Lower	Upper	
83	100		
55	76.5	62.6	94.0
98	47.7	37.7	56.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#40

Benzene

Concen: 5.040 ug/l

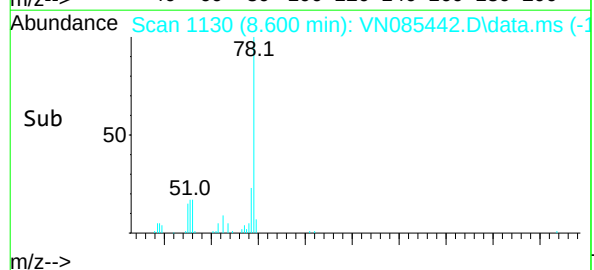
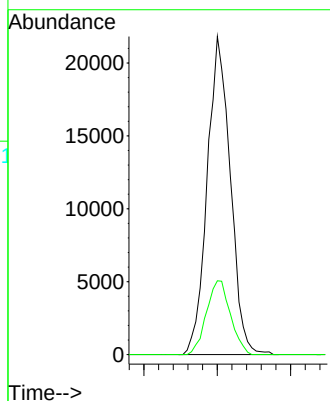
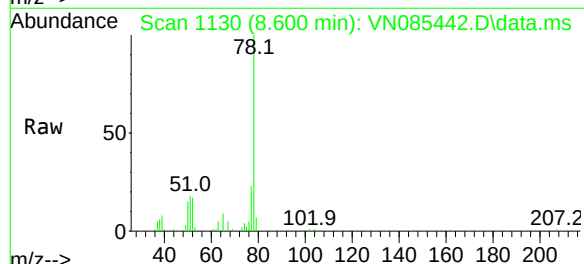
RT: 8.600 min Scan# 1130

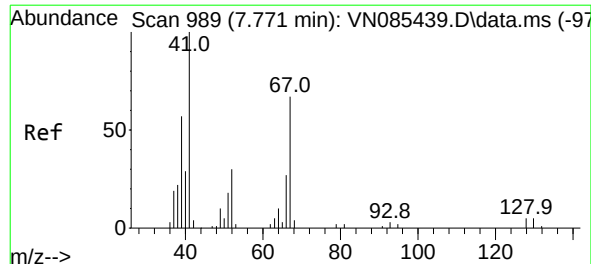
Delta R.T. -0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt Ion:	78	Resp:	47833
Ion Ratio	Lower	Upper	
78	100		
77	23.2	19.0	28.6





#41

Methacrylonitrile

Concen: 4.449 ug/l

RT: 7.777 min Scan# 99

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 7380

Ion Ratio Lower Upper

41 100

39 60.5 46.0 69.0

67 74.6 57.4 86.2

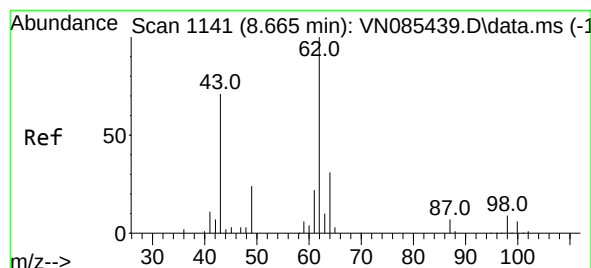
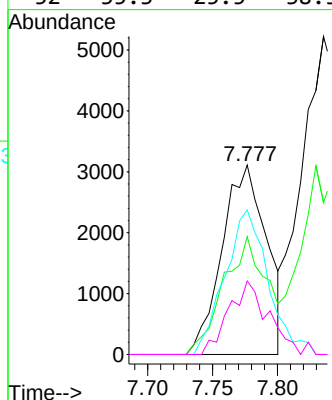
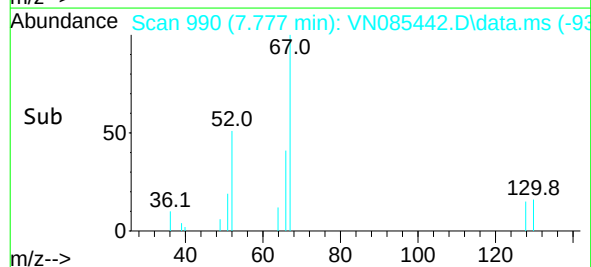
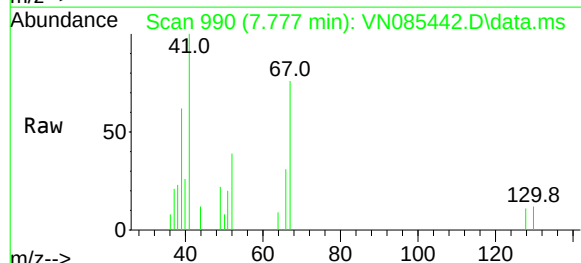
52 35.3 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#42

1,2-Dichloroethane

Concen: 5.211 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VN085442.D

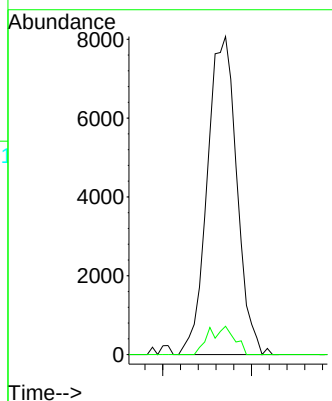
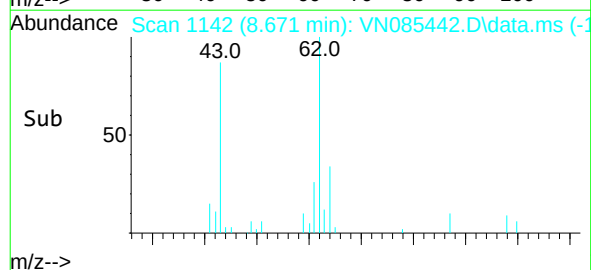
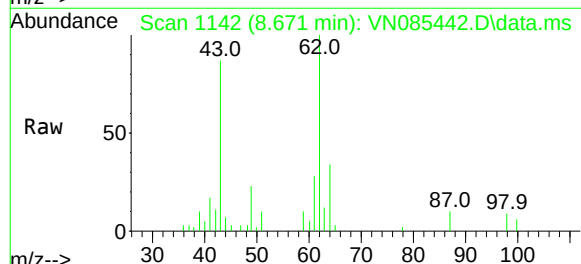
Acq: 14 Jan 2025 16:31

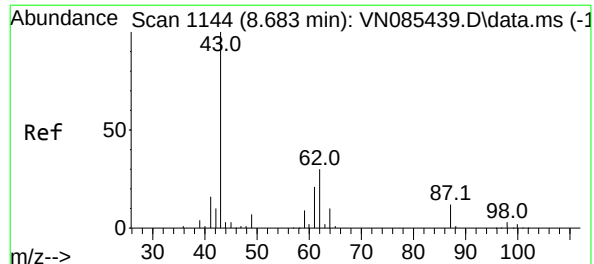
Tgt Ion: 62 Resp: 18628

Ion Ratio Lower Upper

62 100

98 7.8 0.0 17.0





#43

Isopropyl Acetate

Concen: 4.853 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

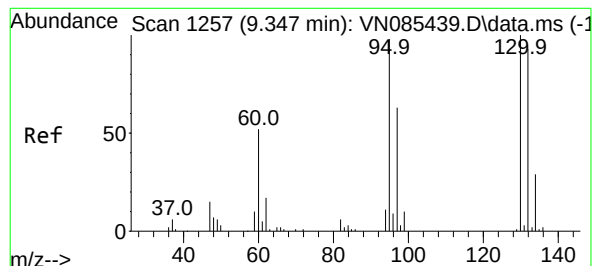
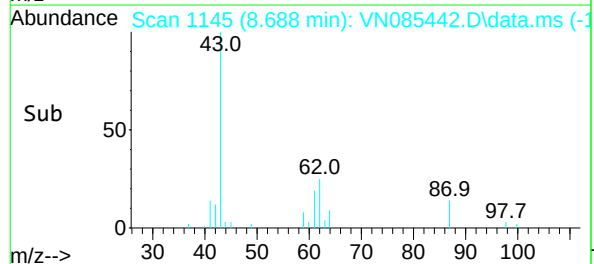
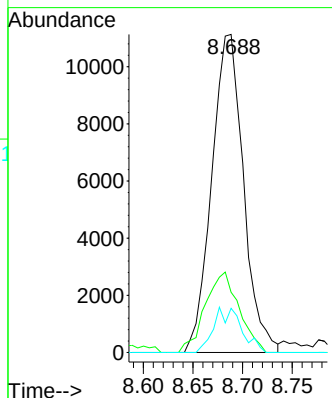
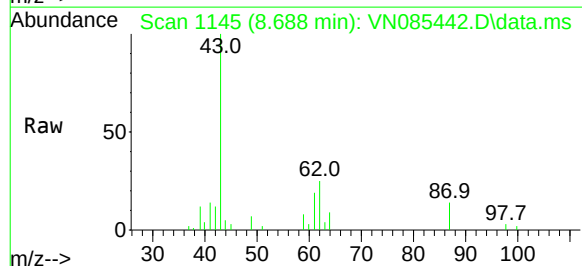
Tgt Ion:	43	Resp:	24792
Ion	Ratio	Lower	Upper
43	100		
61	27.0	20.7	31.1
87	12.3	9.8	14.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#44

Trichloroethene

Concen: 5.039 ug/l

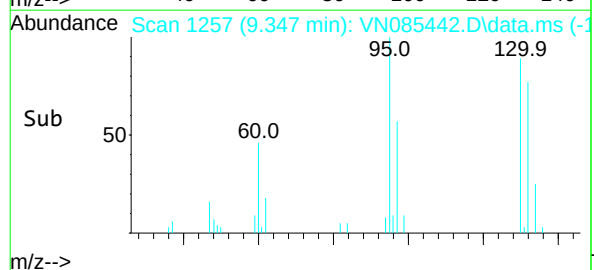
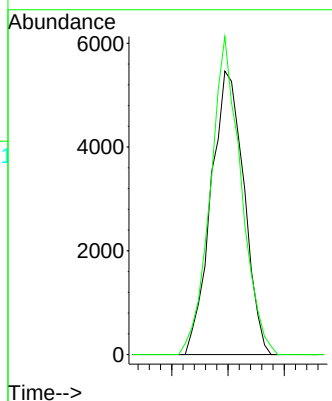
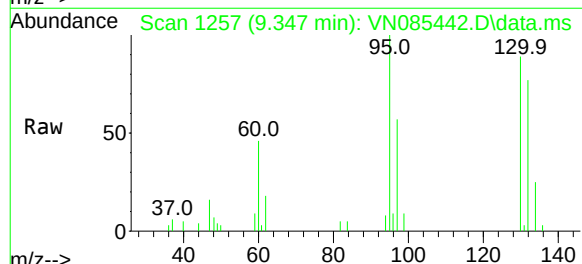
RT: 9.347 min Scan# 1257

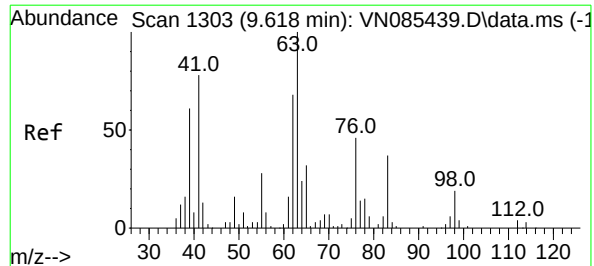
Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt Ion:	130	Resp:	11133
Ion	Ratio	Lower	Upper
130	100		
95	112.2	0.0	195.8





#45

1,2-Dichloropropane

Concen: 5.194 ug/l

RT: 9.618 min Scan# 13

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 63 Resp: 12591

Ion Ratio Lower Upper

63 100

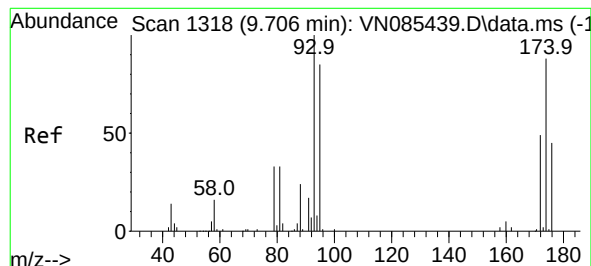
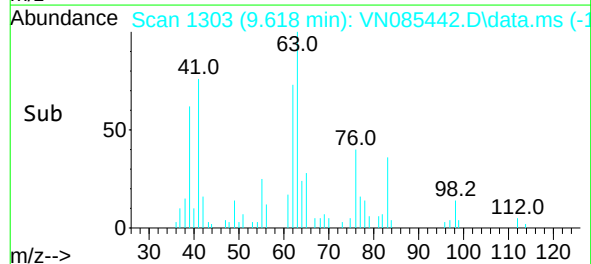
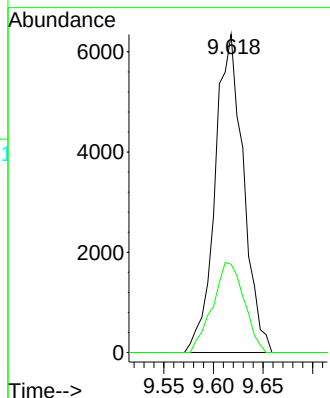
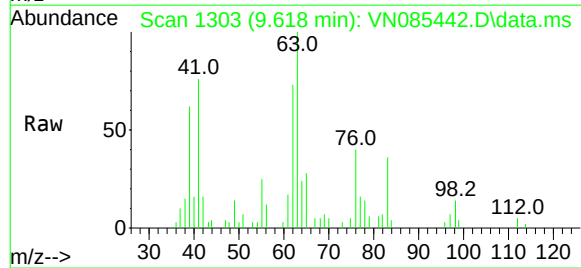
65 27.8 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#46

Dibromomethane

Concen: 4.705 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. -0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

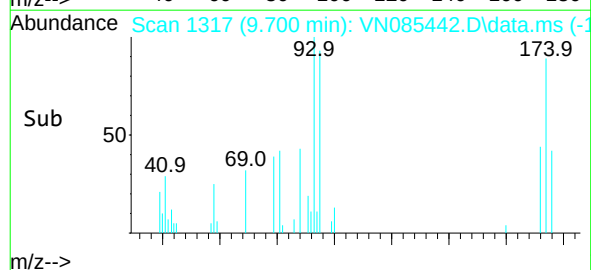
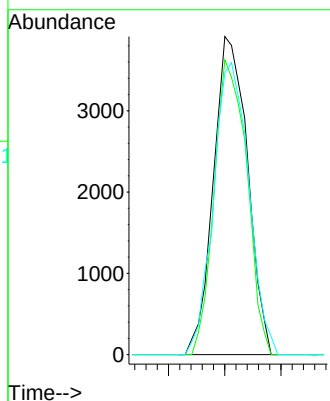
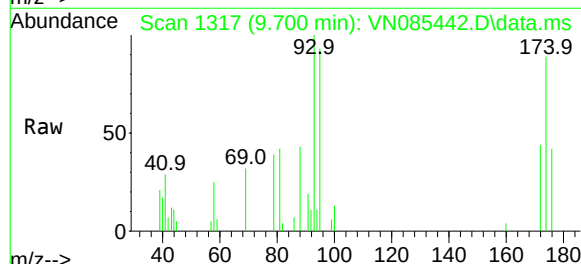
Tgt Ion: 93 Resp: 8230

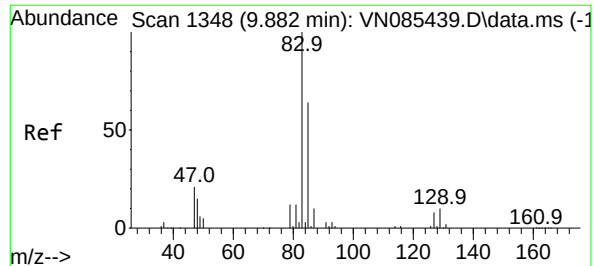
Ion Ratio Lower Upper

93 100

95 88.7 64.7 97.1

174 95.0 69.0 103.4





#47

Bromodichloromethane

Concen: 5.179 ug/l

RT: 9.888 min Scan# 1348

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 18456

Ion Ratio Lower Upper

83 100

85 67.0 51.2 76.8

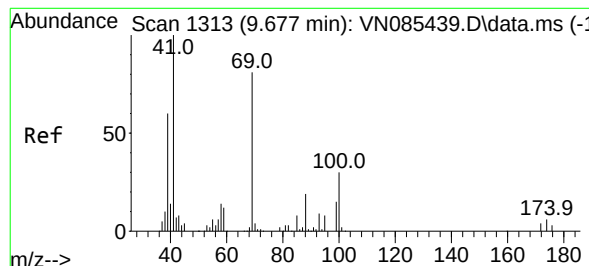
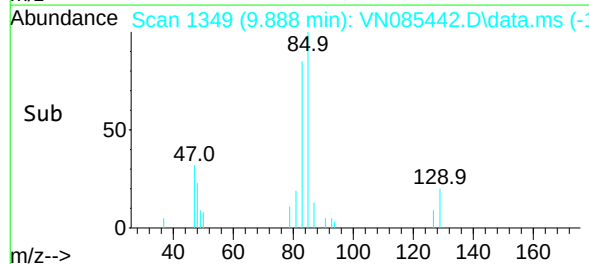
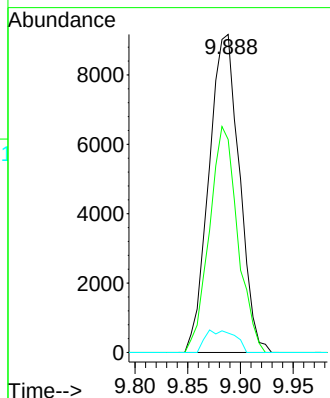
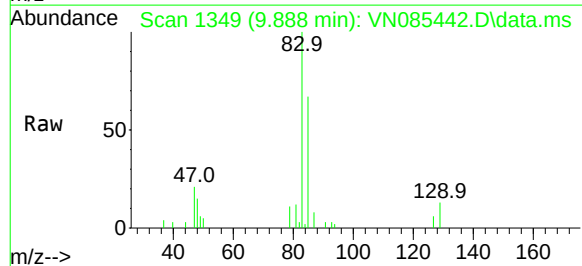
127 6.1 6.5 9.7#

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#48

Methyl methacrylate

Concen: 4.599 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

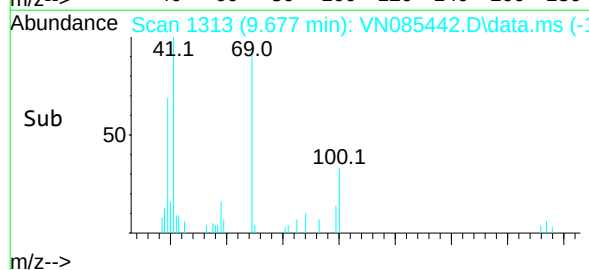
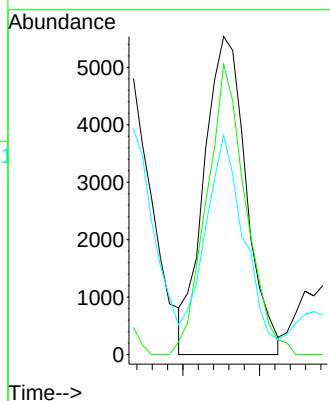
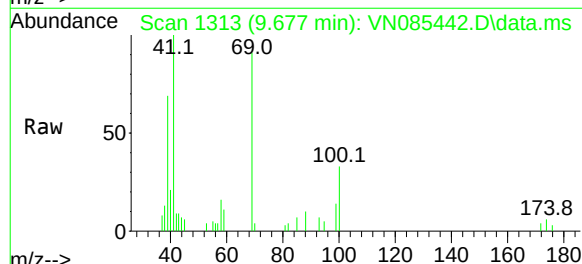
Tgt Ion: 41 Resp: 10574

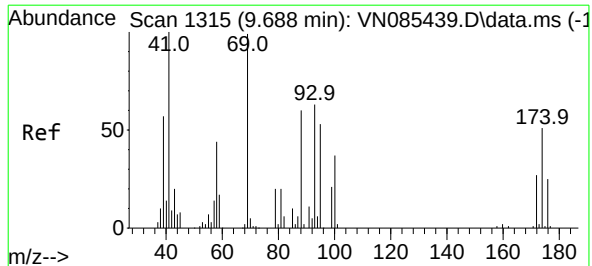
Ion Ratio Lower Upper

41 100

69 84.9 64.7 97.1

39 65.3 49.0 73.6





#49

1,4-Dioxane

Concen: 93.477 ug/l

RT: 9.694 min Scan# 1315

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 3619

Ion Ratio Lower Upper

88 100

43 32.3 26.6 39.8

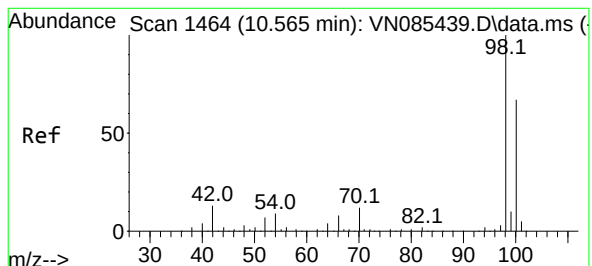
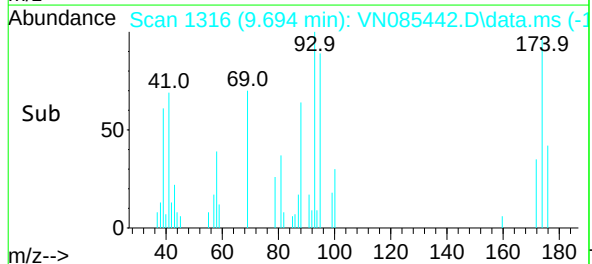
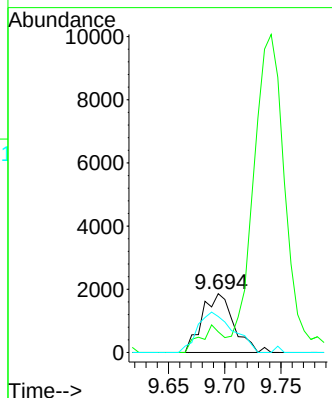
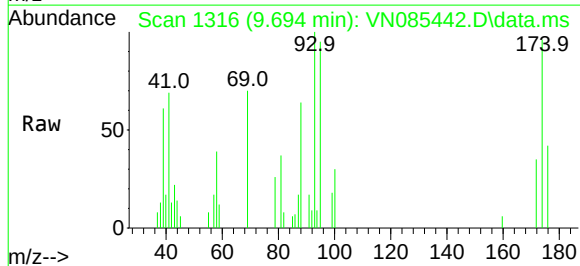
58 77.9 59.5 89.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#50

Toluene-d8

Concen: 5.168 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085442.D

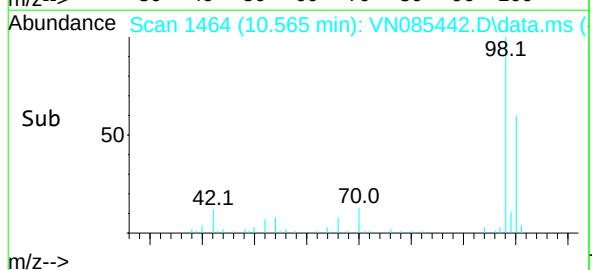
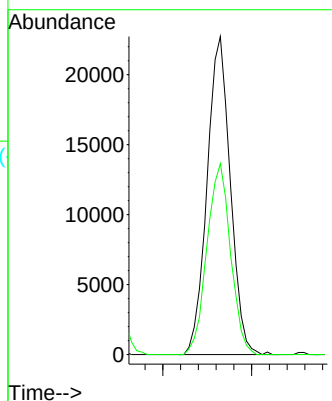
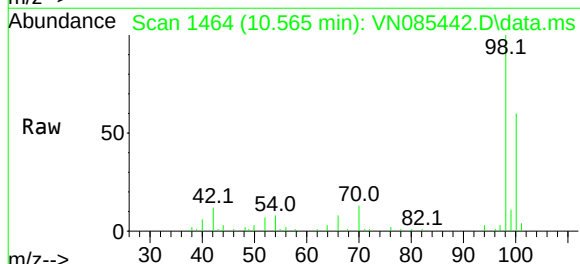
Acq: 14 Jan 2025 16:31

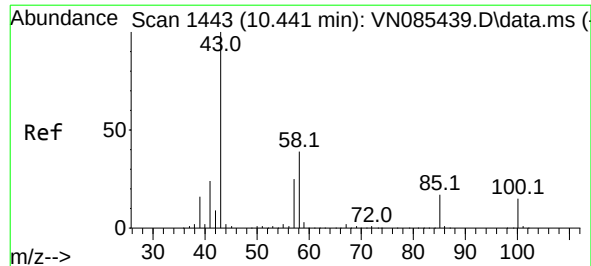
Tgt Ion: 98 Resp: 41328

Ion Ratio Lower Upper

98 100

100 60.9 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 24.250 ug/l

RT: 10.441 min Scan# 14

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 71889

Ion Ratio Lower Upper

43 100

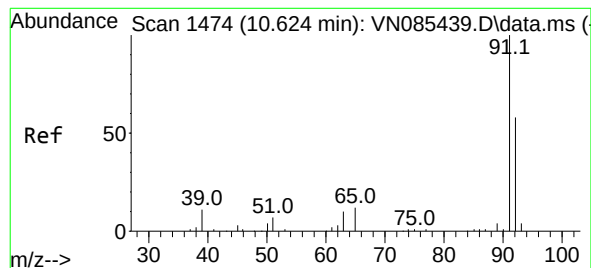
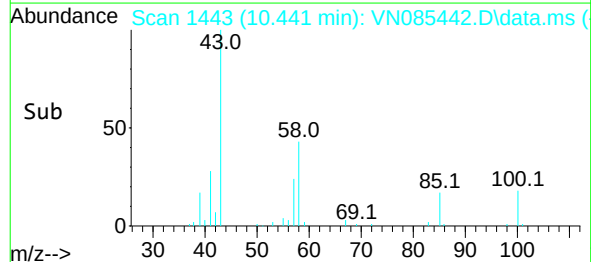
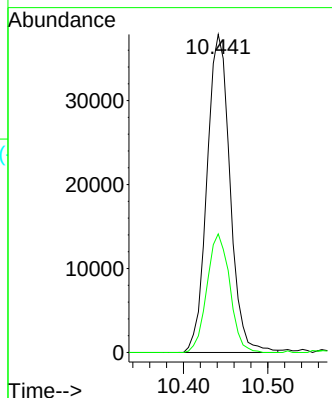
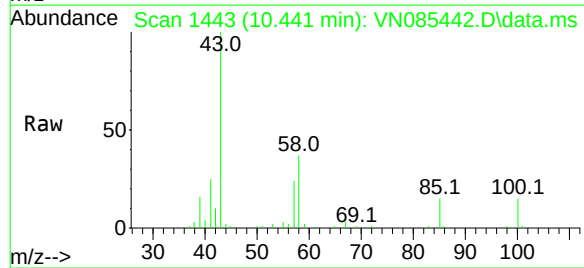
58 36.9 30.5 45.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#52

Toluene

Concen: 4.928 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.005 min

Lab File: VN085442.D

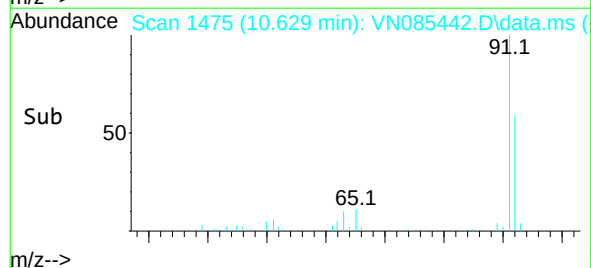
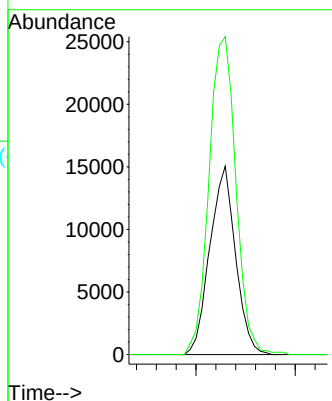
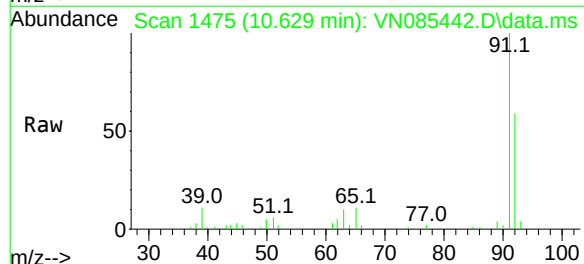
Acq: 14 Jan 2025 16:31

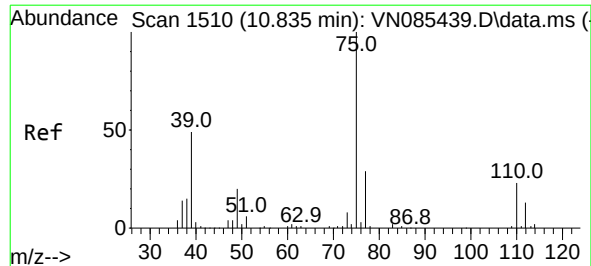
Tgt Ion: 92 Resp: 27098

Ion Ratio Lower Upper

92 100

91 176.4 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 5.077 ug/l

RT: 10.829 min Scan# 1510

Delta R.T. -0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 17099

Ion Ratio Lower Upper

75 100

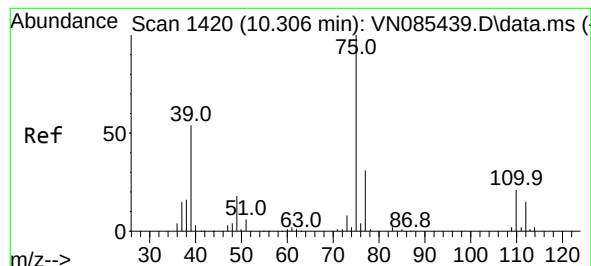
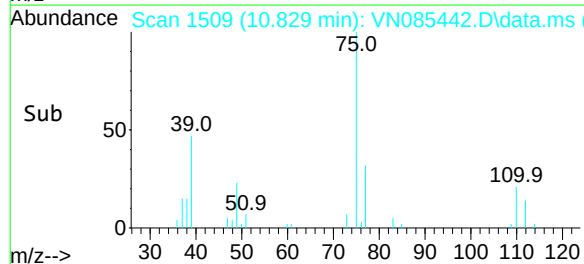
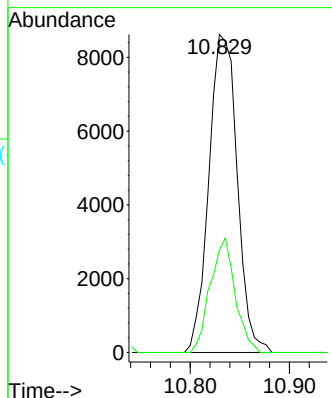
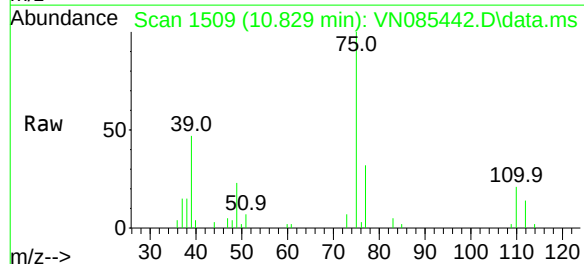
77 32.2 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#54

cis-1,3-Dichloropropene

Concen: 4.848 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. -0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

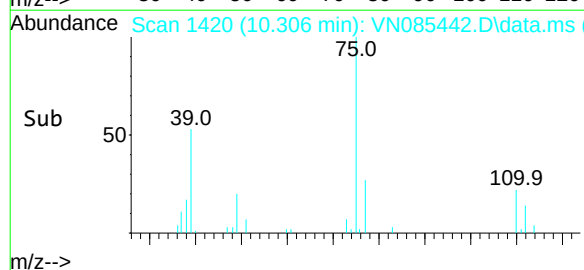
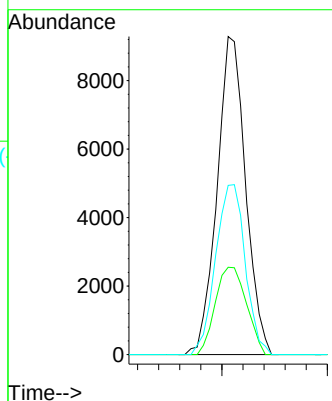
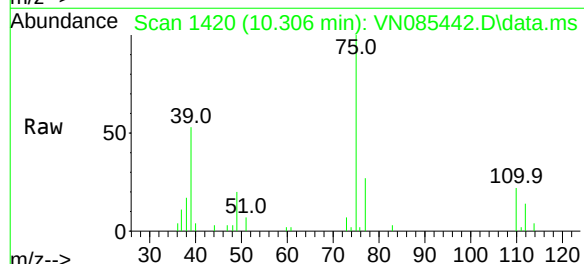
Tgt Ion: 75 Resp: 17440

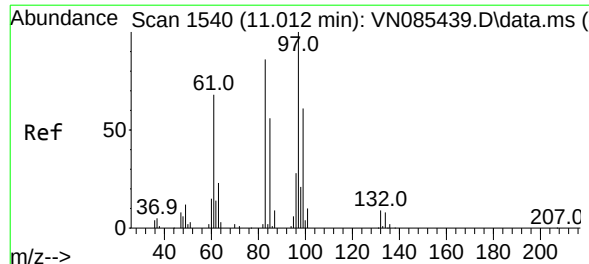
Ion Ratio Lower Upper

75 100

77 27.5 25.0 37.4

39 53.2 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 5.197 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 11311

Ion Ratio Lower Upper

97 100

83 82.7 69.0 103.6

85 51.3 44.6 66.8

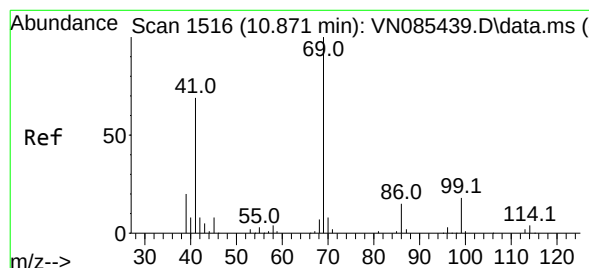
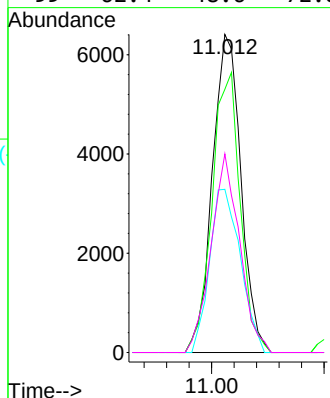
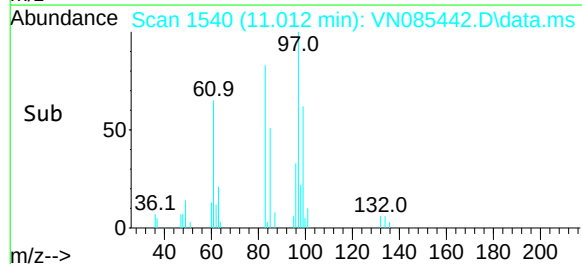
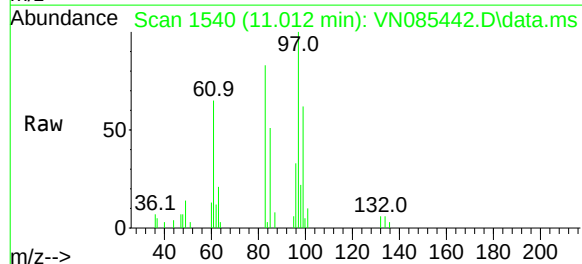
99 62.4 48.6 72.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#56

Ethyl methacrylate

Concen: 5.627 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

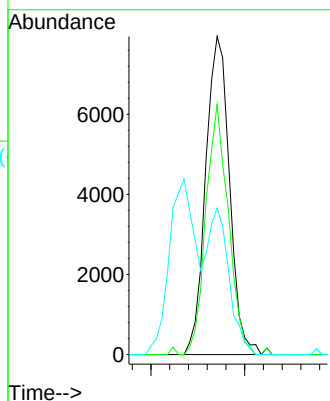
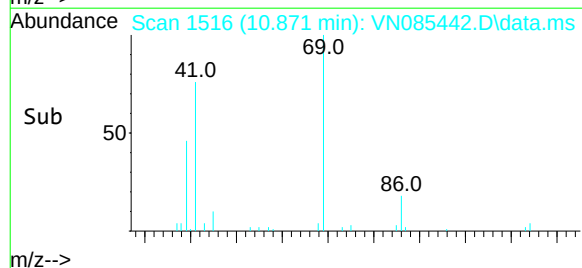
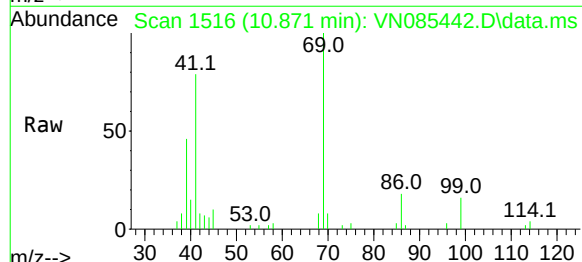
Tgt Ion: 69 Resp: 14094

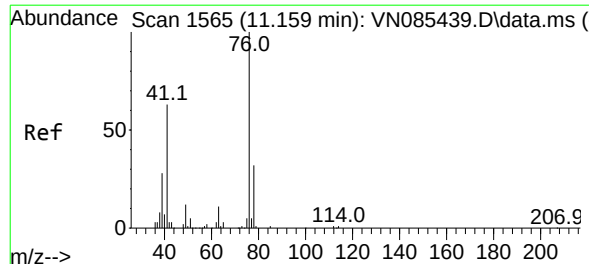
Ion Ratio Lower Upper

69 100

41 73.8 54.6 82.0

39 42.6 32.4 48.6





#57

1,3-Dichloropropane

Concen: 5.006 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 18945

Ion Ratio Lower Upper

76 100

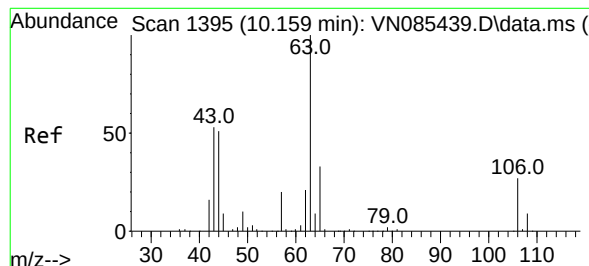
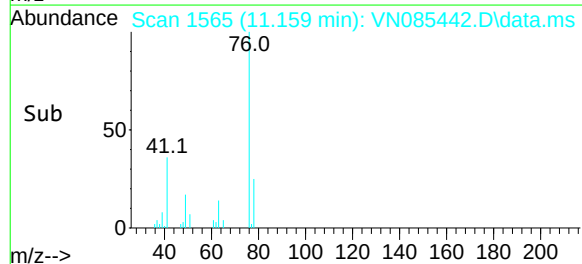
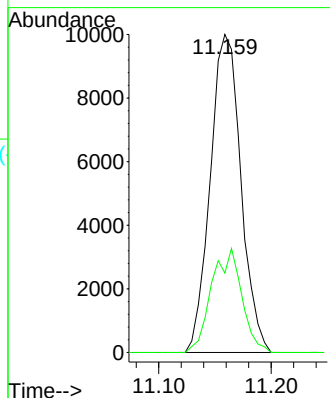
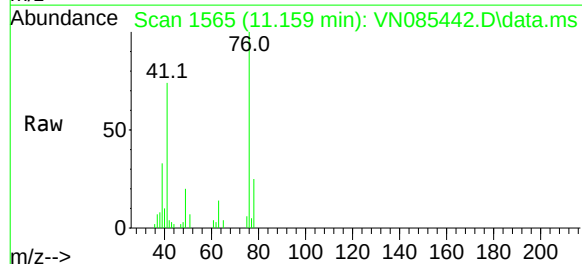
78 32.2 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#58

2-Chloroethyl Vinyl ether

Concen: 24.047 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085442.D

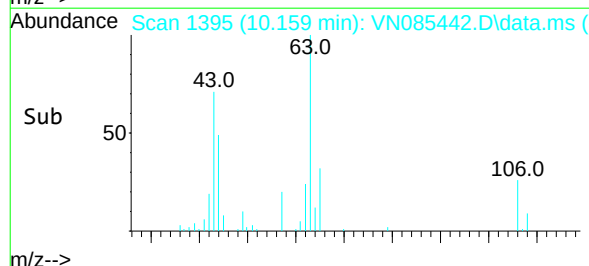
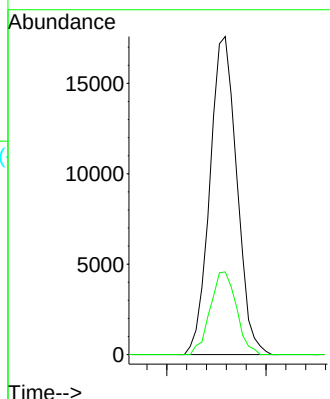
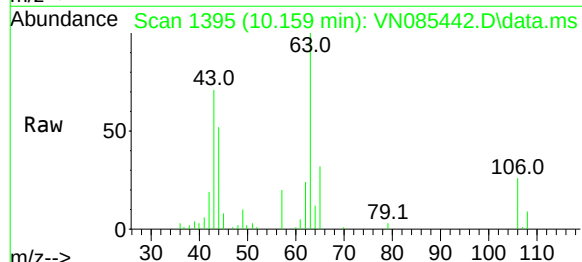
Acq: 14 Jan 2025 16:31

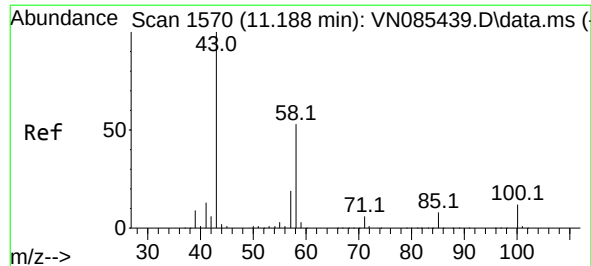
Tgt Ion: 63 Resp: 33210

Ion Ratio Lower Upper

63 100

106 25.2 21.6 32.4





#59

2-Hexanone

Concen: 23.501 ug/l

RT: 11.194 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 49021

Ion Ratio Lower Upper

43 100

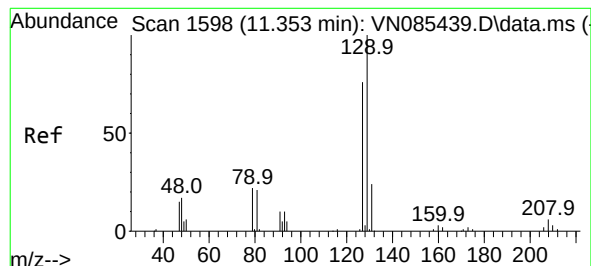
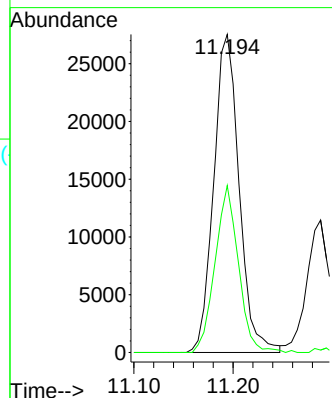
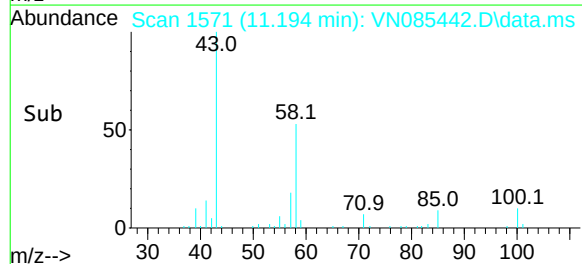
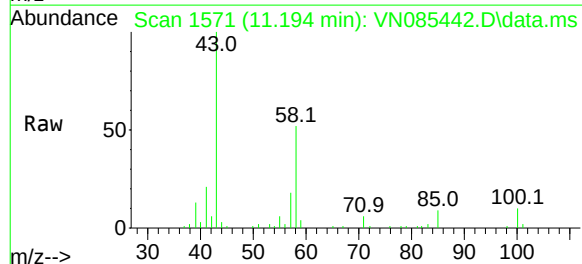
58 48.3 26.2 78.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#60

Dibromochloromethane

Concen: 5.190 ug/l

RT: 11.353 min Scan# 1598

Delta R.T. 0.000 min

Lab File: VN085442.D

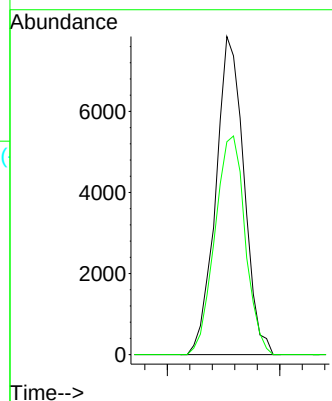
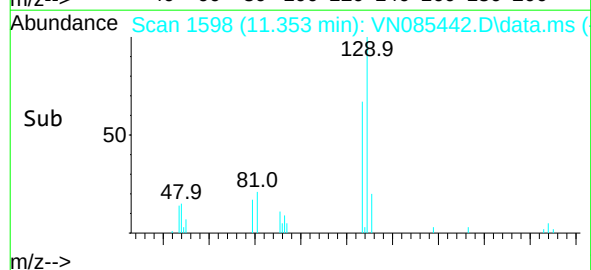
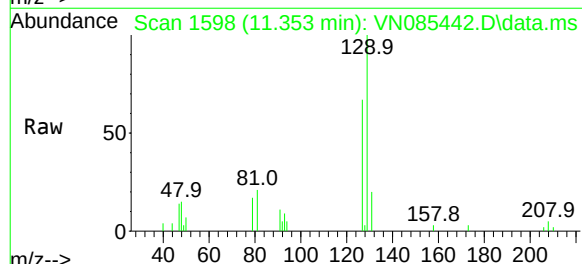
Acq: 14 Jan 2025 16:31

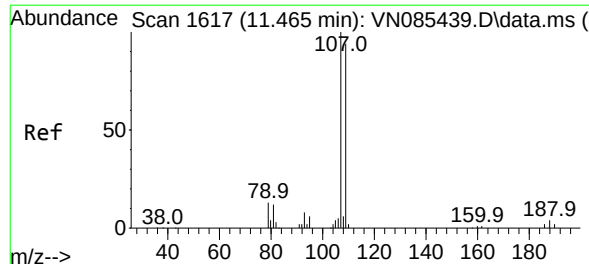
Tgt Ion:129 Resp: 13635

Ion Ratio Lower Upper

129 100

127 73.9 38.6 115.8





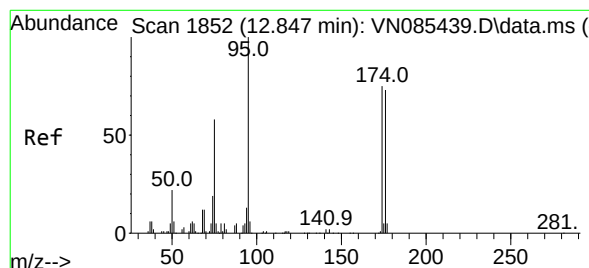
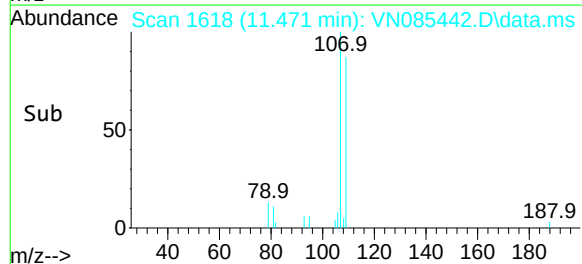
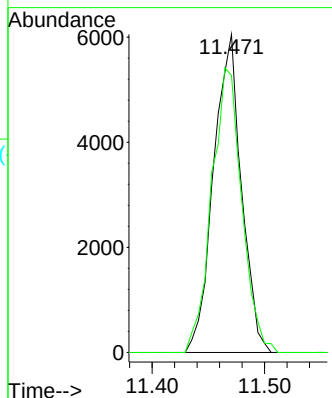
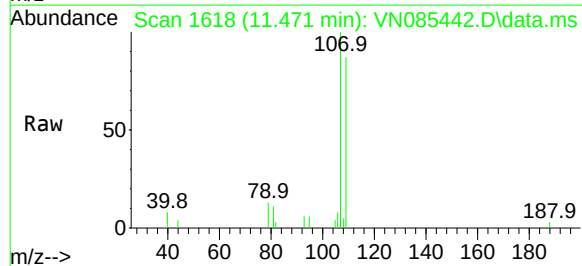
#61
1,2-Dibromoethane
Concen: 4.810 ug/l
RT: 11.471 min Scan# 1617
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 107 Resp: 10419
Ion Ratio Lower Upper
107 100
109 96.8 75.9 113.9

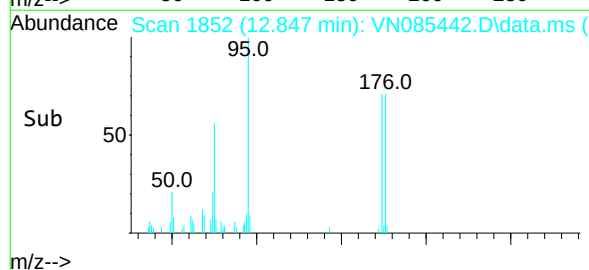
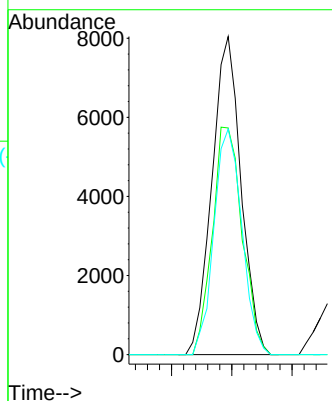
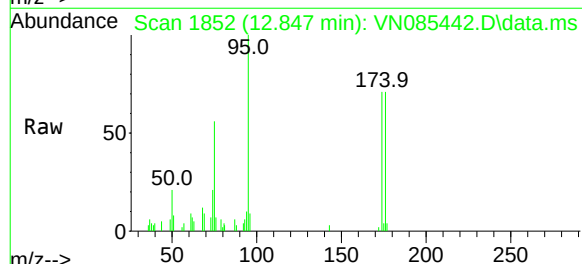
Manual Integrations
APPROVED

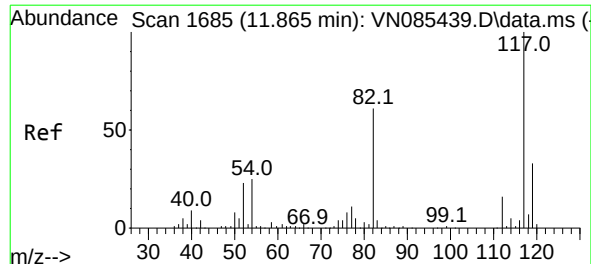
Reviewed By : John Carlone 01/15/2025
Supervised By : Mahesh Dadoda 01/15/2025



#62
4-Bromofluorobenzene
Concen: 4.943 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 95 Resp: 13520
Ion Ratio Lower Upper
95 100
174 73.2 0.0 145.0
176 68.0 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 282203

Ion Ratio Lower Upper

117 100

82 58.3 48.6 72.8

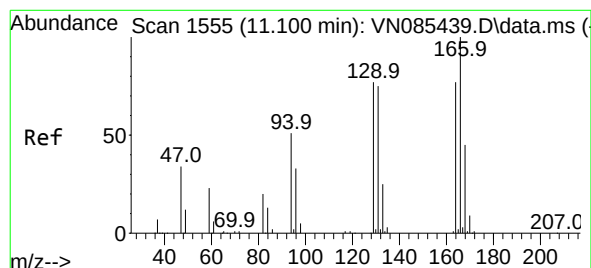
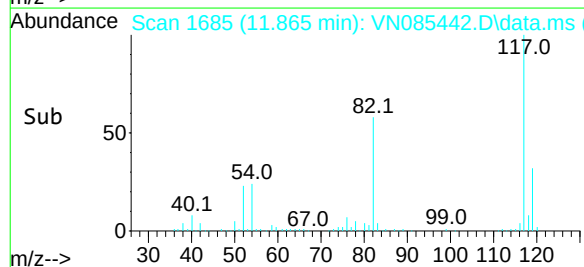
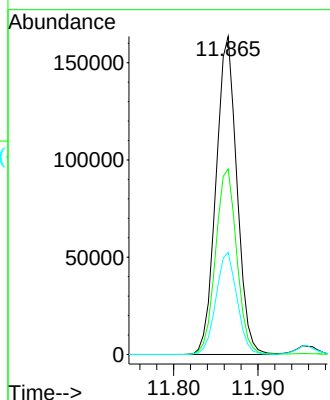
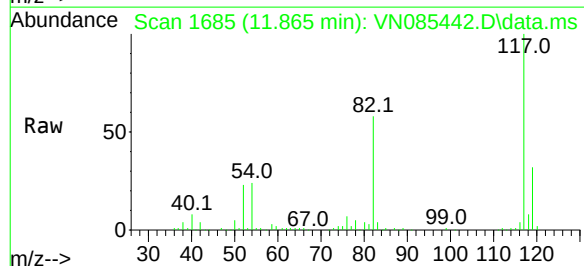
119 32.1 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#64

Tetrachloroethene

Concen: 5.071 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt Ion:164 Resp: 9756

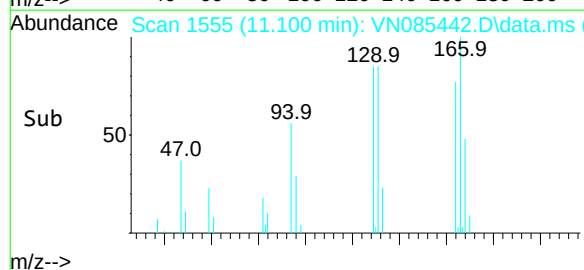
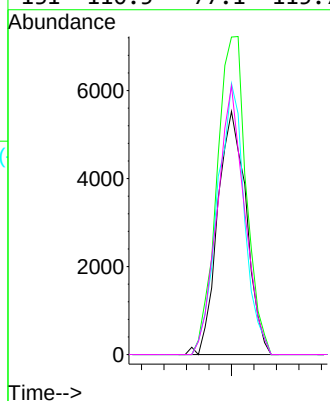
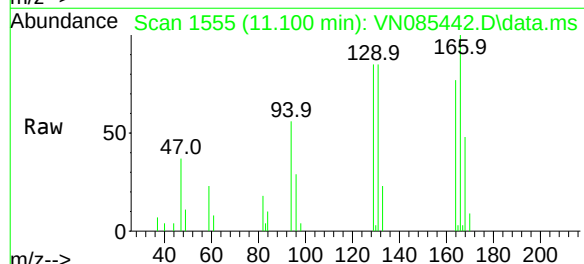
Ion Ratio Lower Upper

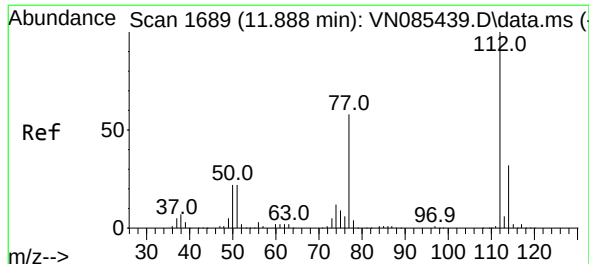
164 100

166 130.6 103.4 155.2

129 111.5 79.2 118.8

131 110.5 77.1 115.7





#65

Chlorobenzene

Concen: 5.065 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 31312

Ion Ratio Lower Upper

112 100

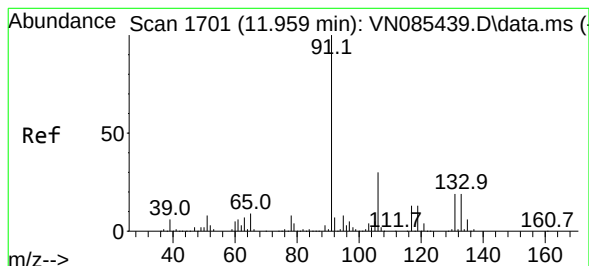
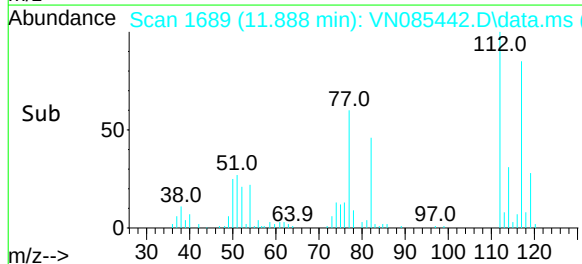
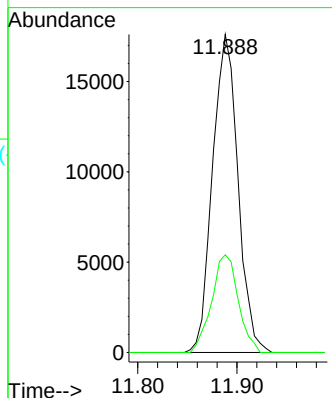
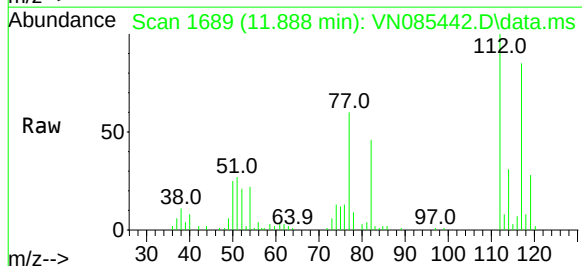
114 30.7 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 5.121 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

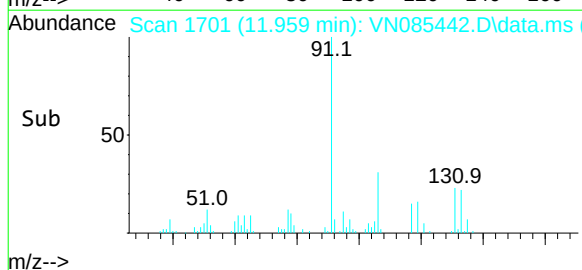
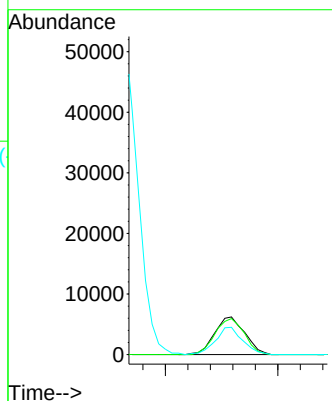
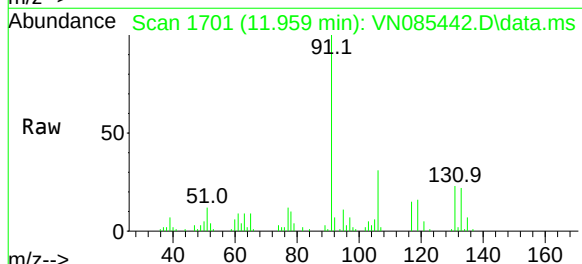
Tgt Ion:131 Resp: 11620

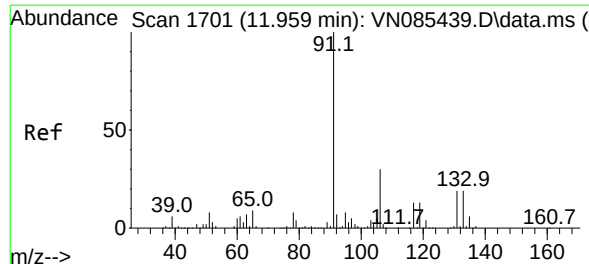
Ion Ratio Lower Upper

131 100

133 92.7 47.4 142.3

119 65.0 33.1 99.5





#67

Ethyl Benzene

Concen: 4.789 ug/l

RT: 11.965 min Scan# 17

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 91 Resp: 48216

Ion Ratio Lower Upper

91 100

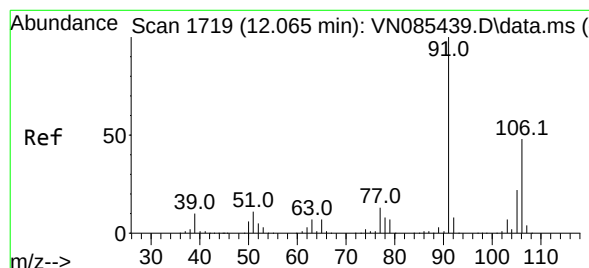
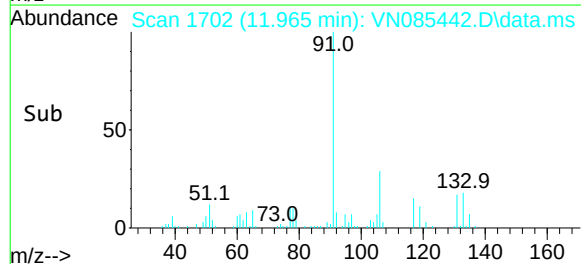
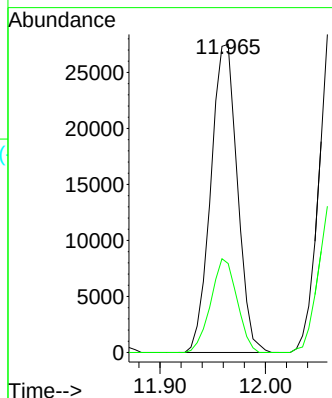
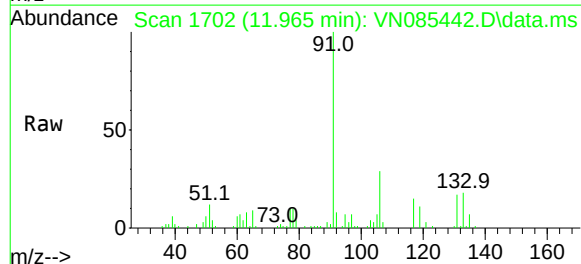
106 28.9 23.8 35.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#68

m/p-Xylenes

Concen: 9.344 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. 0.000 min

Lab File: VN085442.D

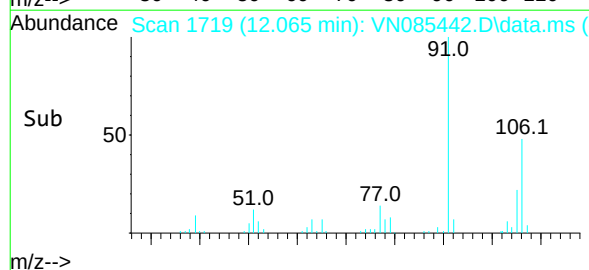
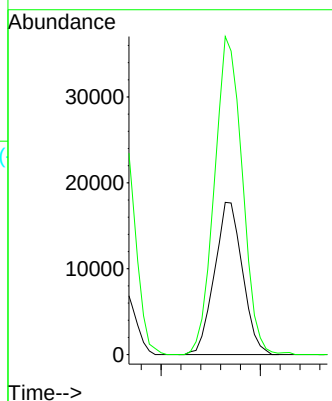
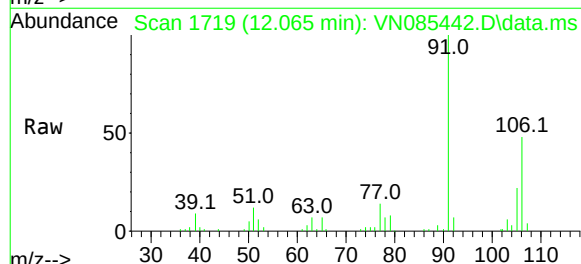
Acq: 14 Jan 2025 16:31

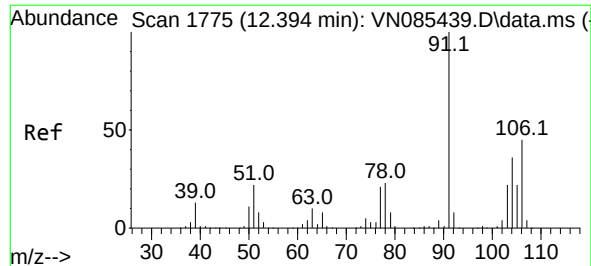
Tgt Ion:106 Resp: 34771

Ion Ratio Lower Upper

106 100

91 207.9 167.7 251.5





#69

o-Xylene

Concen: 4.617 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 16419

Ion Ratio Lower Upper

106 100

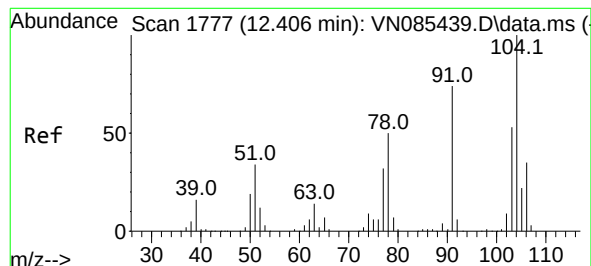
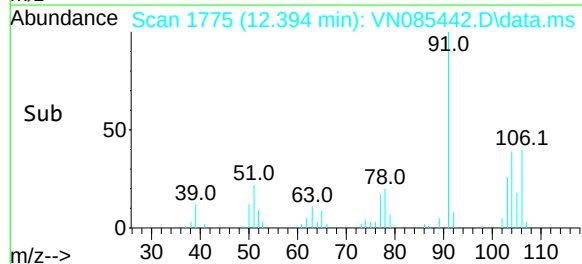
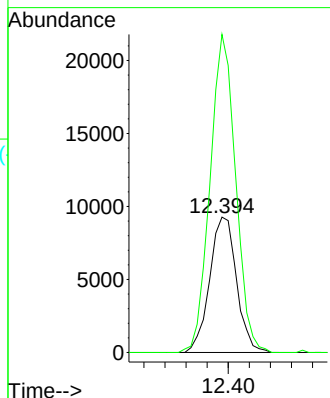
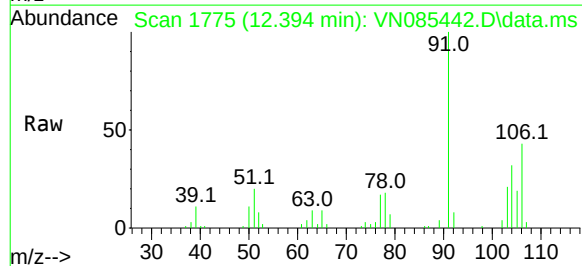
91 224.0 110.4 331.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#70

Styrene

Concen: 4.454 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

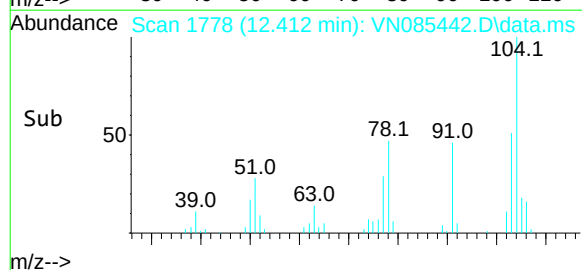
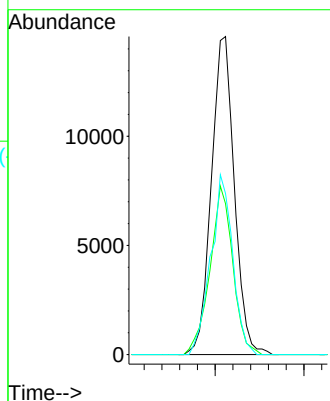
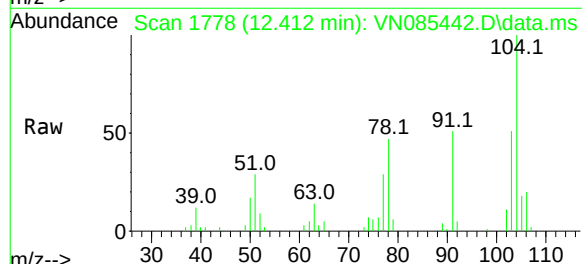
Tgt Ion:104 Resp: 26218

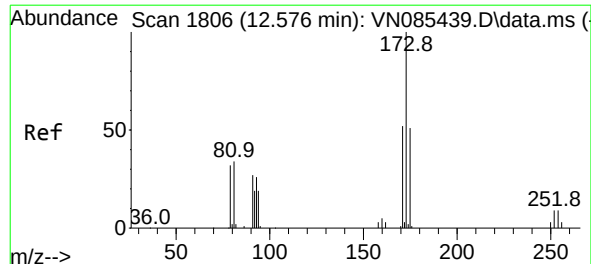
Ion Ratio Lower Upper

104 100

78 52.6 42.5 63.7

103 54.2 43.8 65.8





#71

Bromoform

Concen: 4.938 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

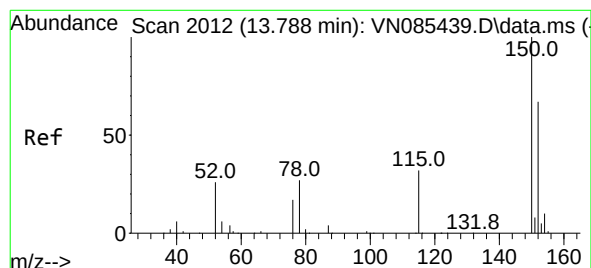
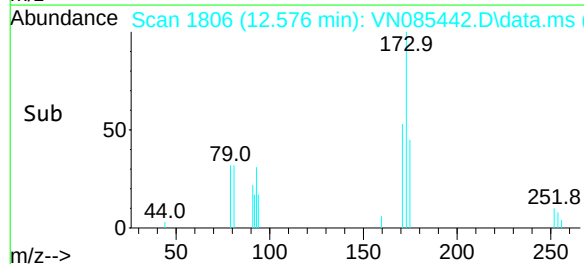
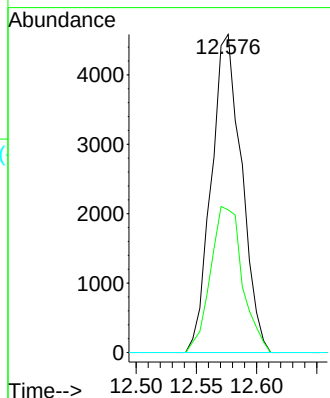
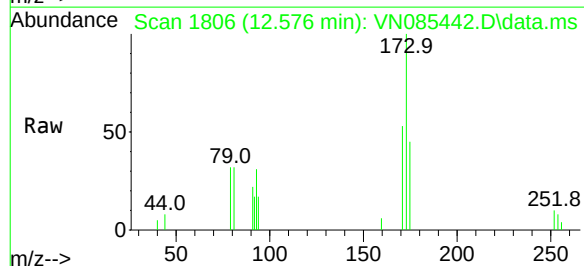
VSTDICC005

Tgt Ion:	173	Resp:	8017
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

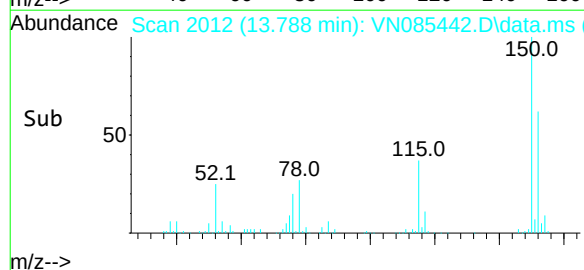
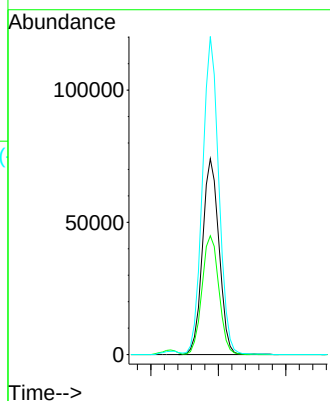
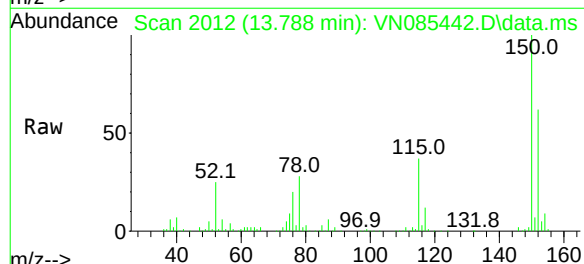
RT: 13.788 min Scan# 2012

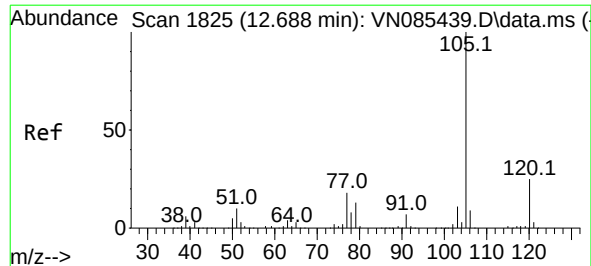
Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt Ion:	152	Resp:	126086
Ion Ratio	Lower	Upper	
152	100		
115	62.0	31.1	93.3
150	160.7	0.0	343.6





#73

Isopropylbenzene

Concen: 4.678 ug/l

RT: 12.694 min Scan# 1825

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 39811

Ion Ratio Lower Upper

105 100

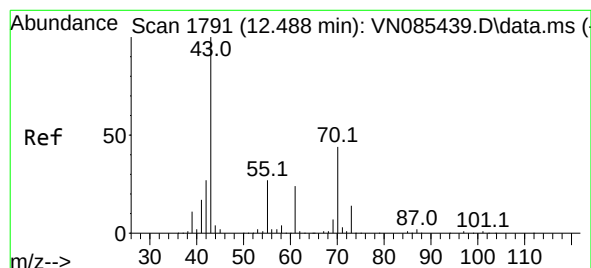
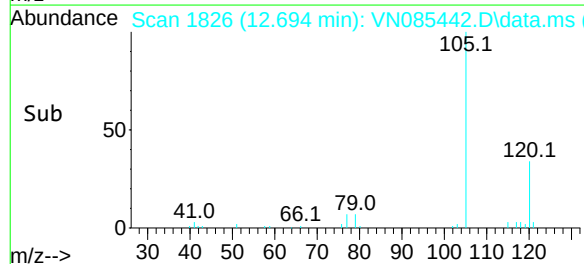
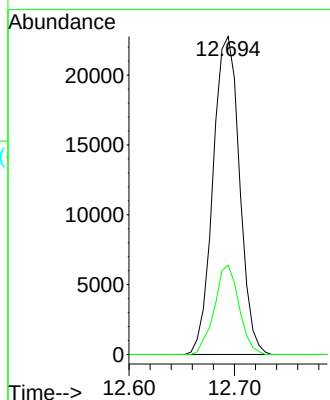
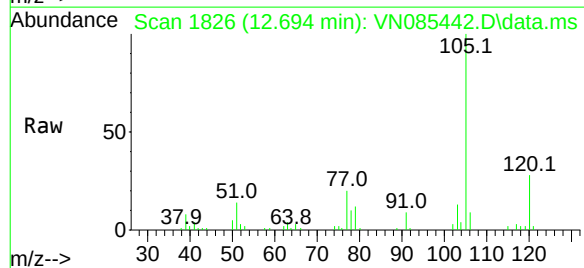
120 26.1 12.8 38.3

Manual Integrations

APPROVED

Reviewed By : John Carlone 01/15/2025

Supervised By : Mahesh Dadoda 01/15/2025



#74

N-ethyl acetate

Concen: 4.595 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt Ion: 43 Resp: 17577

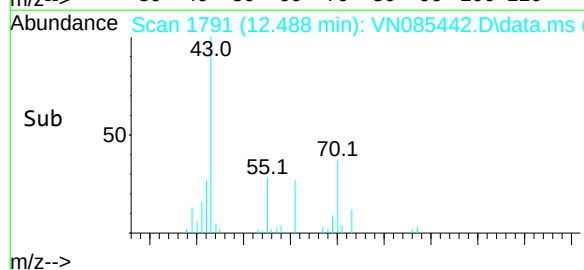
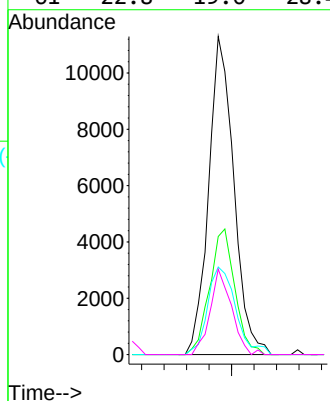
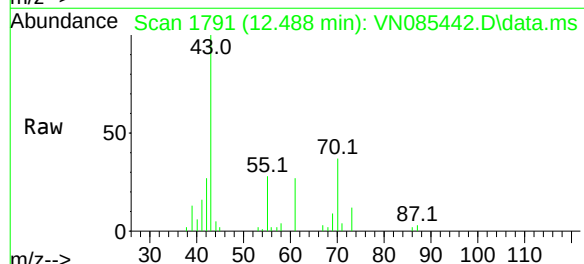
Ion Ratio Lower Upper

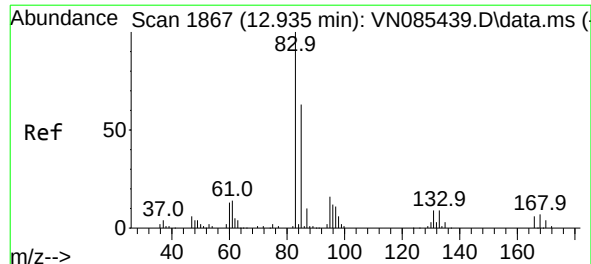
43 100

70 39.5 34.0 51.0

55 30.8 21.4 32.2

61 22.8 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.151 ug/l

RT: 12.935 min Scan# 18

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

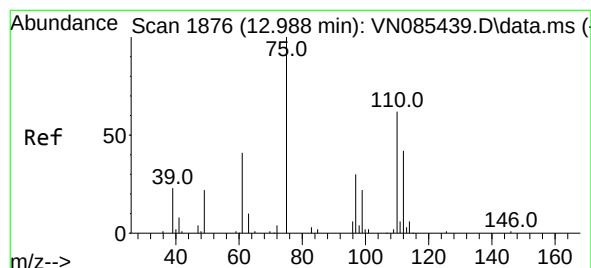
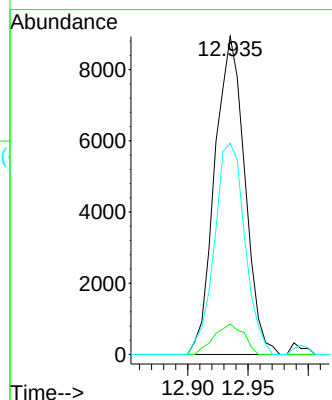
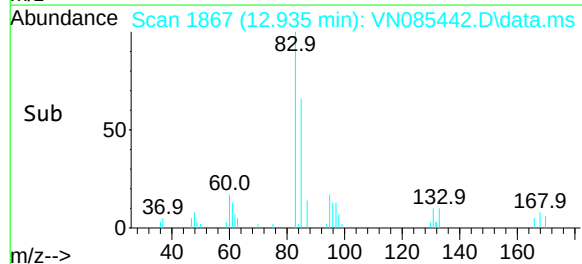
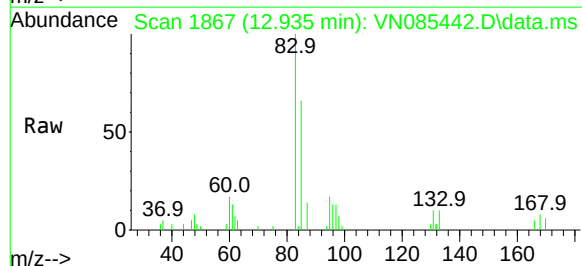
VSTDIC005

Tgt Ion:	83	Resp:	15483
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	67.5	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#76

1,2,3-Trichloropropane

Concen: 4.758 ug/l m

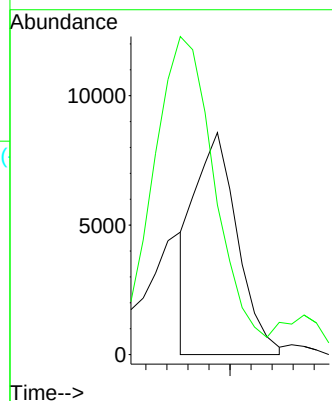
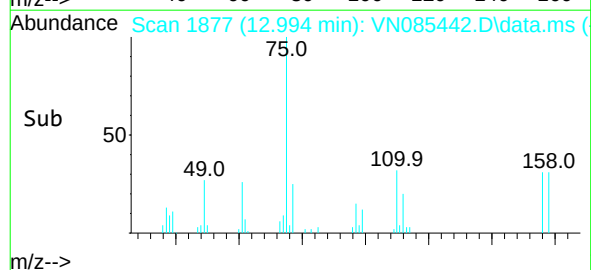
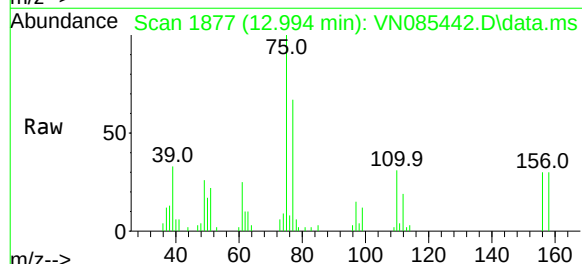
RT: 12.994 min Scan# 1877

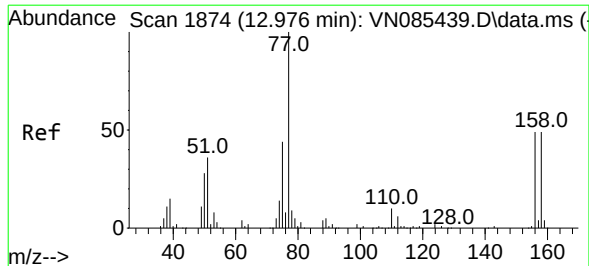
Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt Ion:	75	Resp:	12173
Ion	Ratio	Lower	Upper
75	100		
77	209.1	109.7	329.2





#77

Bromobenzene

Concen: 4.989 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VN085442.D

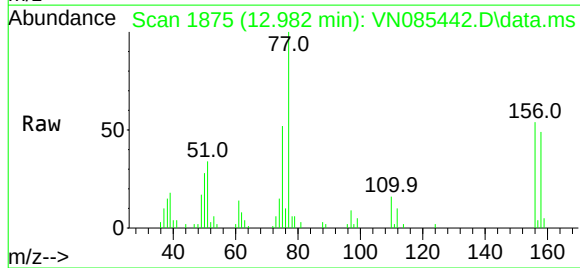
Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

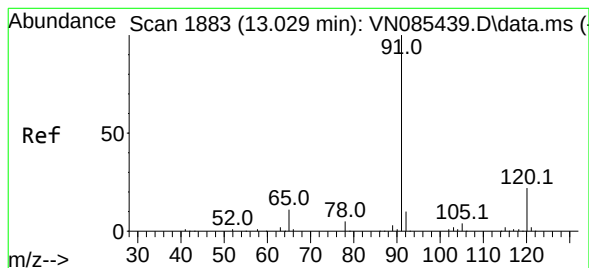
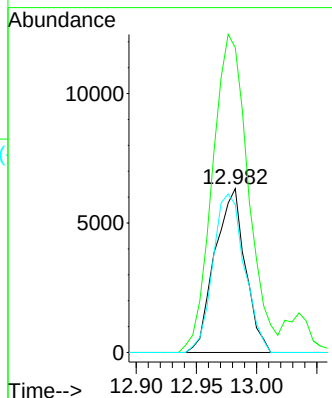
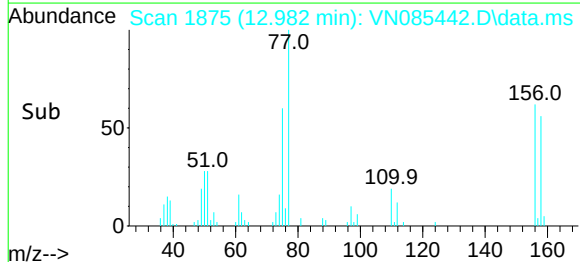
VSTDIC005



Tgt Ion:	156	Resp:	11091
Ion	Ratio	Lower	Upper
156	100		
77	229.5	114.1	342.4
158	100.8	48.9	146.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#78

n-propylbenzene

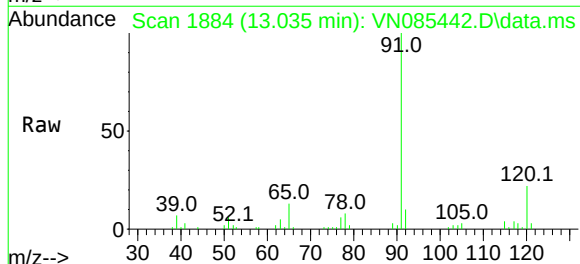
Concen: 4.512 ug/l

RT: 13.035 min Scan# 1884

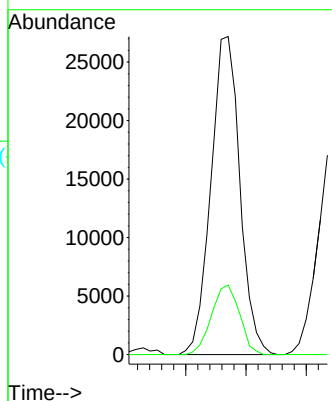
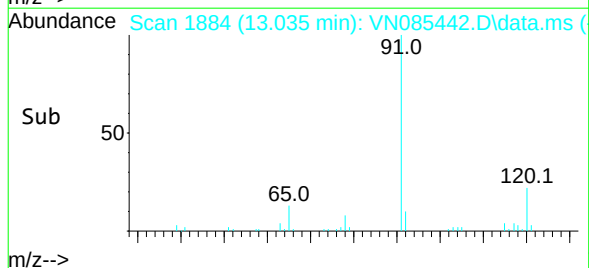
Delta R.T. 0.006 min

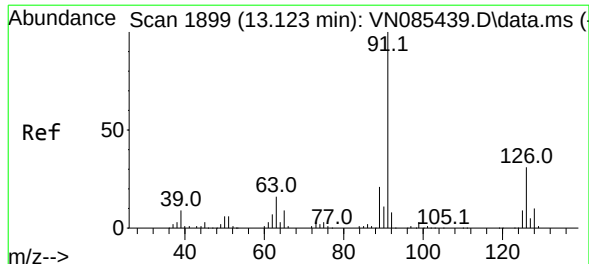
Lab File: VN085442.D

Acq: 14 Jan 2025 16:31



Tgt Ion:	91	Resp:	45450
Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.9	32.6





#79

2-Chlorotoluene

Concen: 4.898 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt Ion: 91 Resp: 31932

Ion Ratio Lower Upper

91 100

126 32.6 15.7 47.1

Instrument :

MSVOA_N

ClientSampleId :

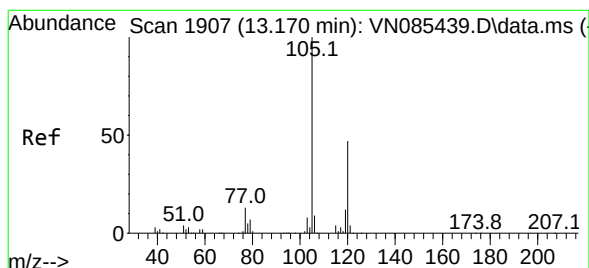
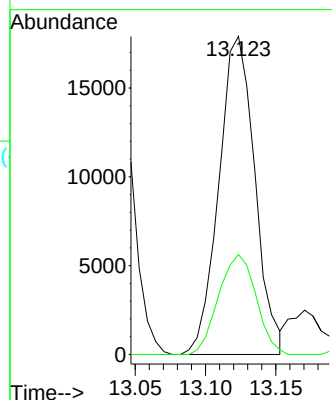
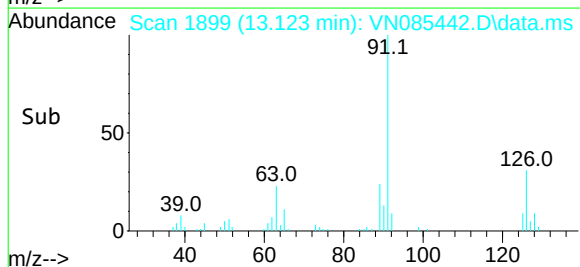
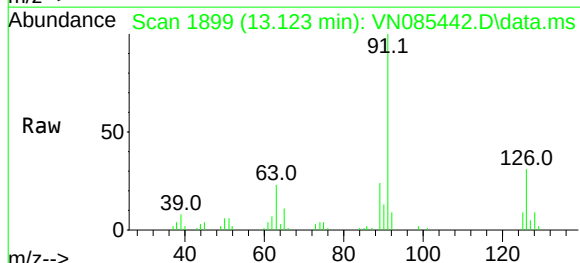
VSTDIC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.537 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085442.D

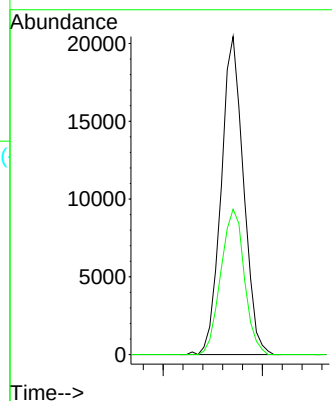
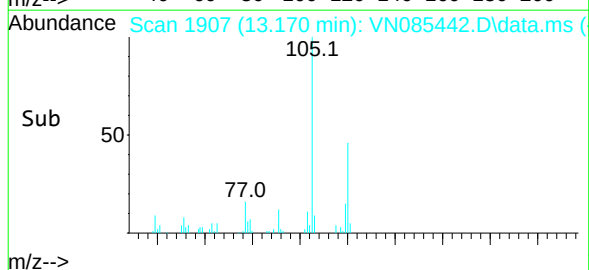
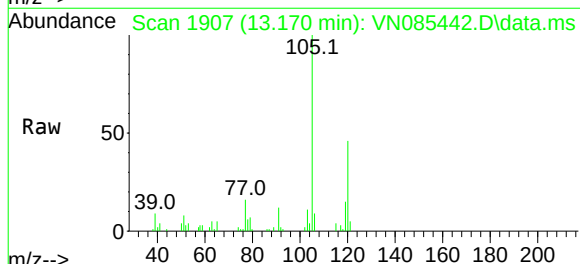
Acq: 14 Jan 2025 16:31

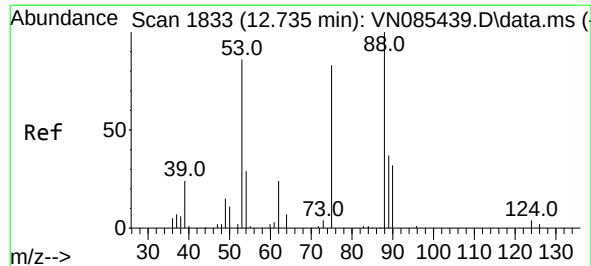
Tgt Ion:105 Resp: 31891

Ion Ratio Lower Upper

105 100

120 48.1 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 4.465 ug/l

RT: 12.729 min Scan# 1833

Delta R.T. -0.006 min

Lab File: VN085442.D

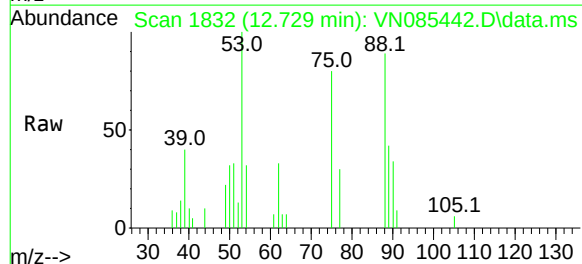
Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

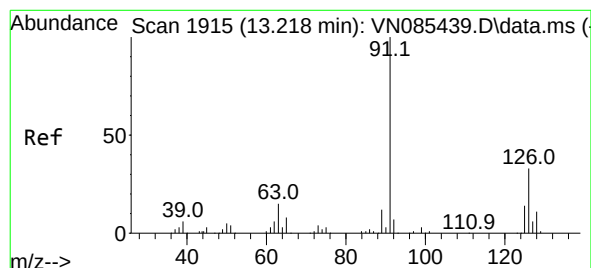
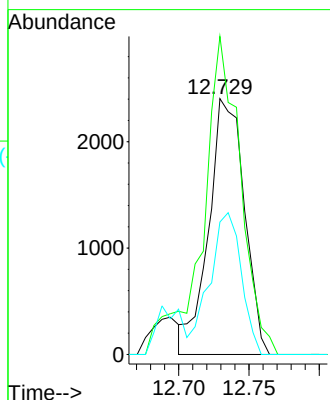
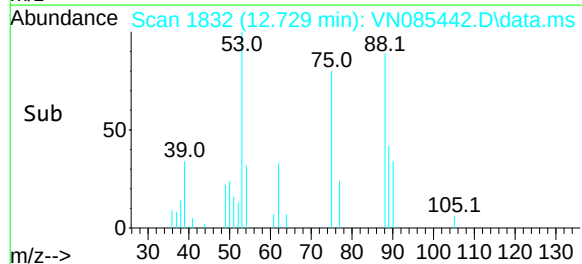
VSTDIC005



Tgt Ion:	75	Resp:	4229
Ion	Ratio	Lower	Upper
75	100		
53	132.6	95.6	143.4
89	49.7	37.0	55.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#82

4-Chlorotoluene

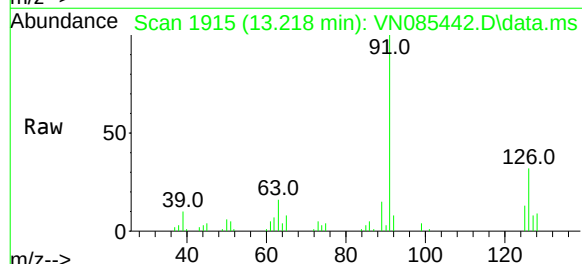
Concen: 4.926 ug/l

RT: 13.218 min Scan# 1915

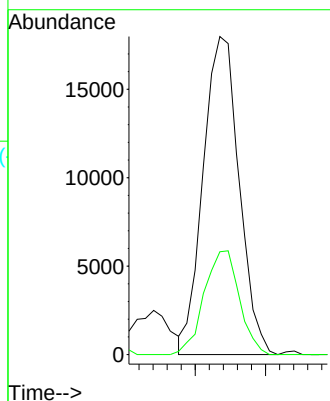
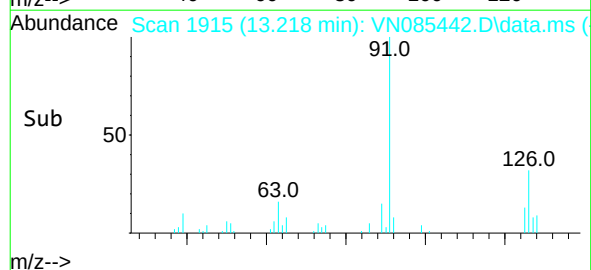
Delta R.T. 0.000 min

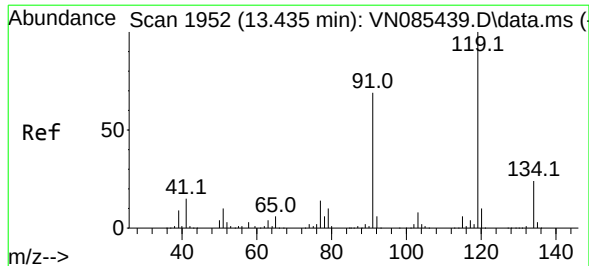
Lab File: VN085442.D

Acq: 14 Jan 2025 16:31



Tgt Ion:	91	Resp:	31976
Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.9	47.7





#83

tert-Butylbenzene

Concen: 4.675 ug/l

RT: 13.435 min Scan# 19

Delta R.T. 0.000 min

Lab File: VN085442.D

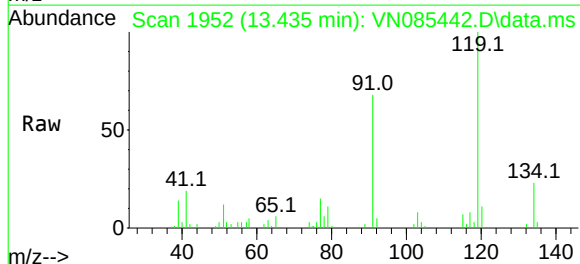
Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

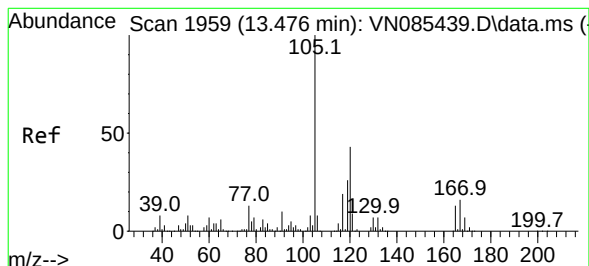
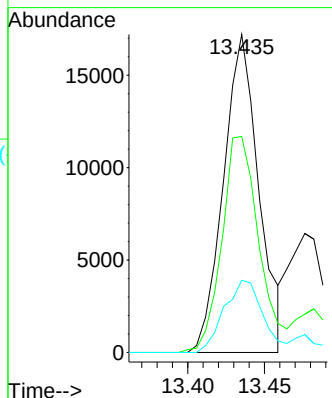
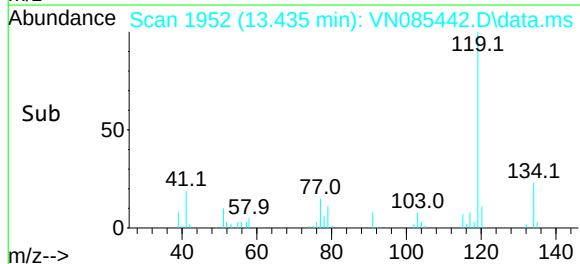
VSTDIC005



Tgt Ion:	119	Resp:	27597
Ion	Ratio	Lower	Upper
119	100		
91	71.1	35.1	105.3
134	24.8	12.0	36.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#84

1,2,4-Trimethylbenzene

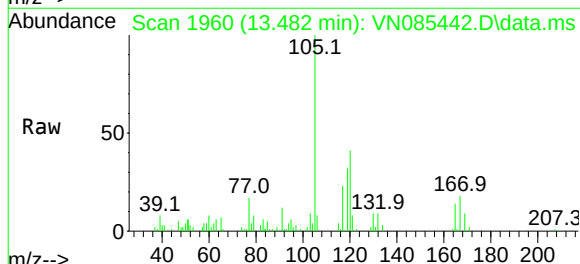
Concen: 4.575 ug/l

RT: 13.482 min Scan# 1960

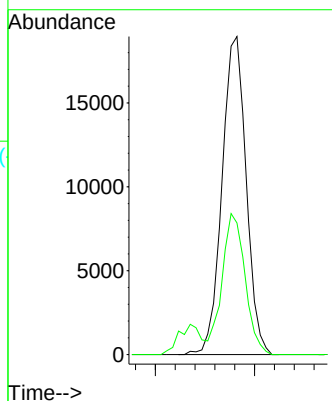
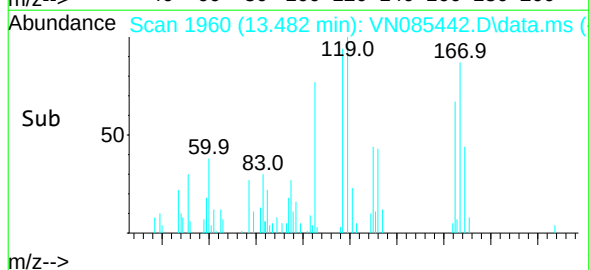
Delta R.T. 0.006 min

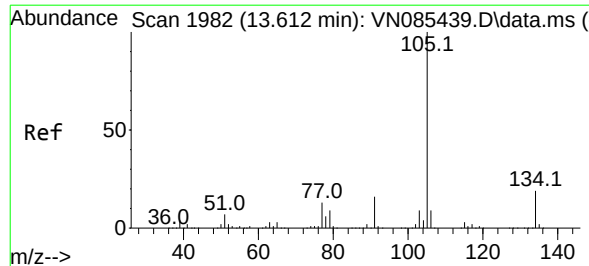
Lab File: VN085442.D

Acq: 14 Jan 2025 16:31



Tgt Ion:	105	Resp:	32054
Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.6	65.0





#85

sec-Butylbenzene

Concen: 4.663 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 38148

Ion Ratio Lower Upper

105 100

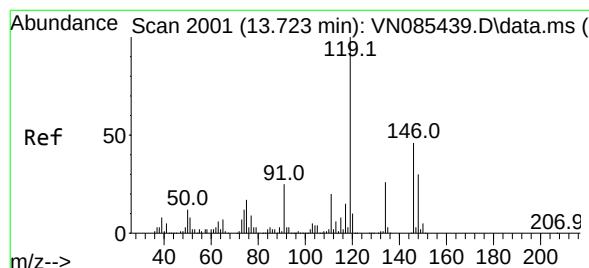
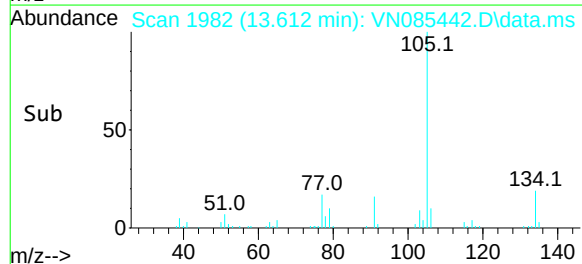
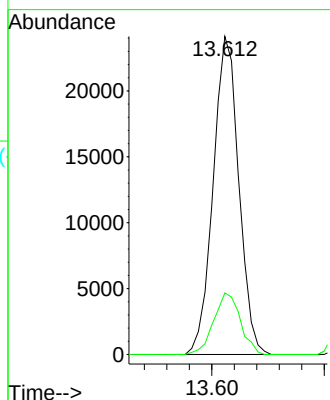
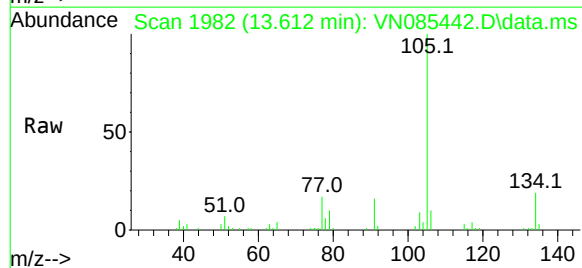
134 20.1 9.7 28.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#86

p-Isopropyltoluene

Concen: 4.584 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

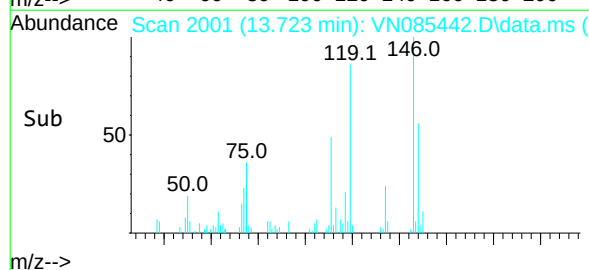
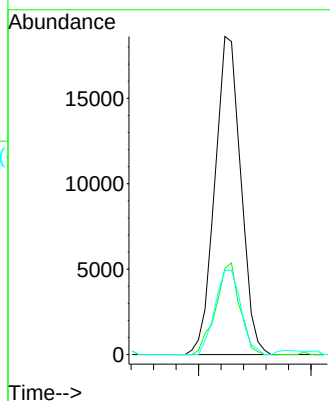
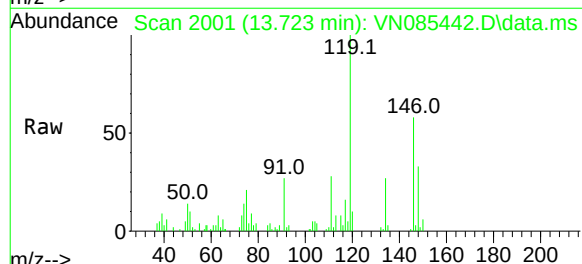
Tgt Ion:119 Resp: 29856

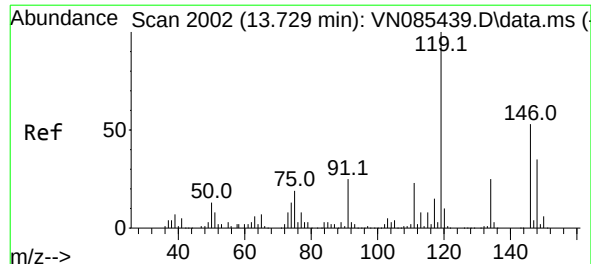
Ion Ratio Lower Upper

119 100

134 26.5 12.7 38.0

91 26.5 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 5.099 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 20876

Ion Ratio Lower Upper

146 100

111 42.3 21.4 64.3

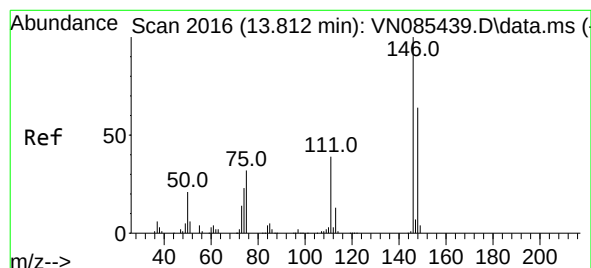
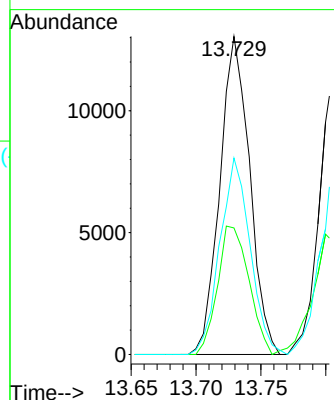
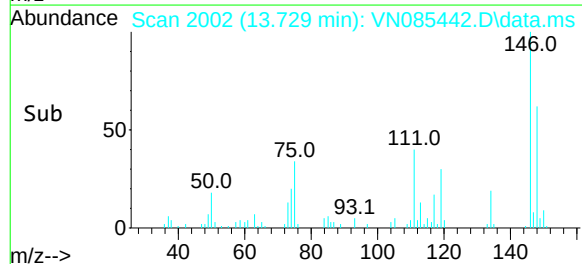
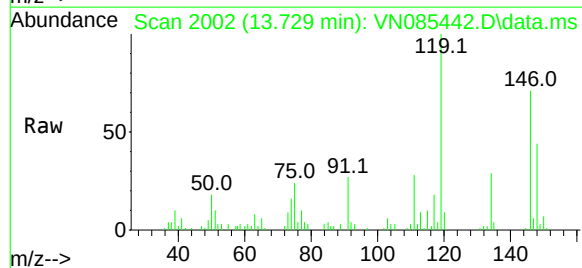
148 62.7 32.3 96.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#88

1,4-Dichlorobenzene

Concen: 5.179 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

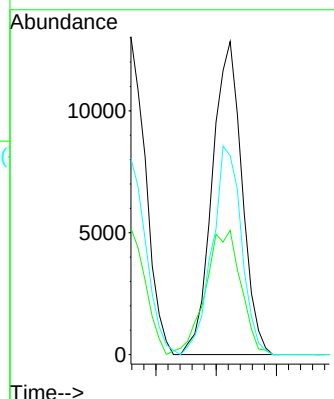
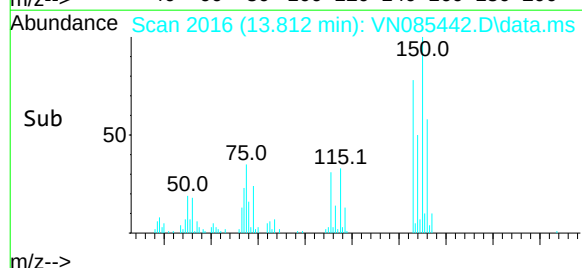
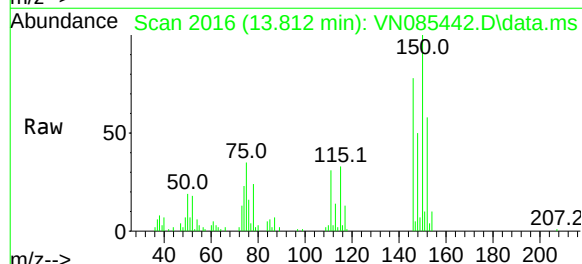
Tgt Ion:146 Resp: 21982

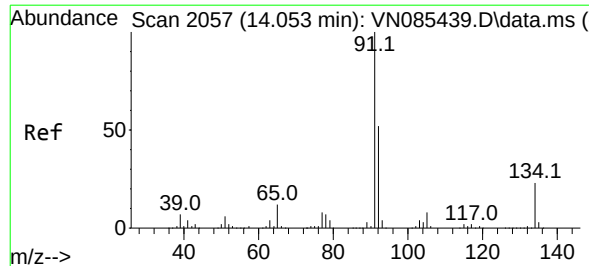
Ion Ratio Lower Upper

146 100

111 47.1 21.3 63.7

148 65.5 32.4 97.0





#89

n-Butylbenzene

Concen: 4.675 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

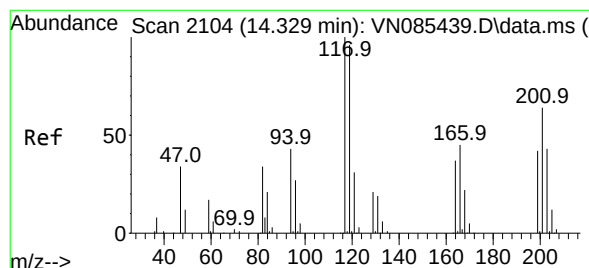
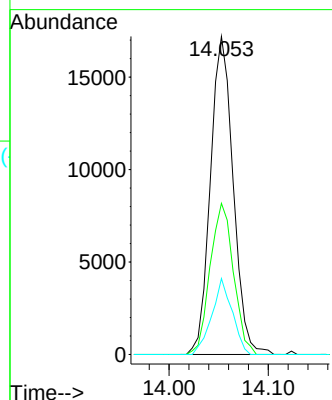
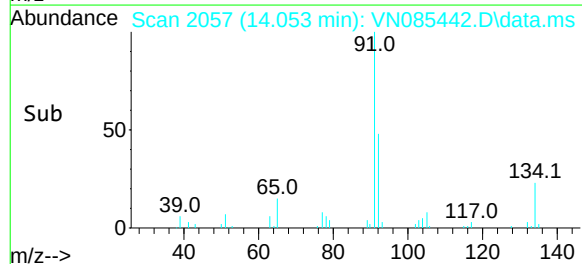
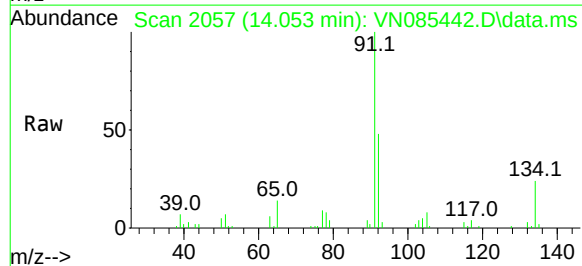
ClientSampleId :

VSTDICC005

Tgt Ion:	91	Resp:	27437
Ion Ratio	Lower	Upper	
91	100		
92	48.7	25.8	77.3
134	21.4	11.7	35.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#90

Hexachloroethane

Concen: 4.987 ug/l

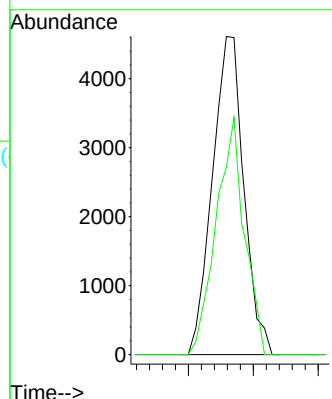
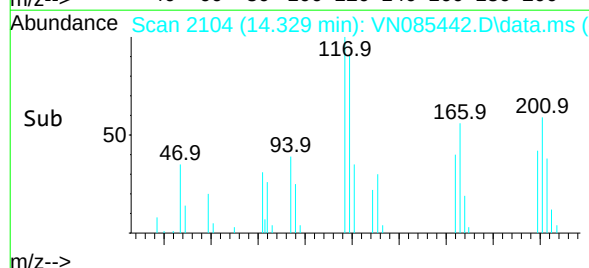
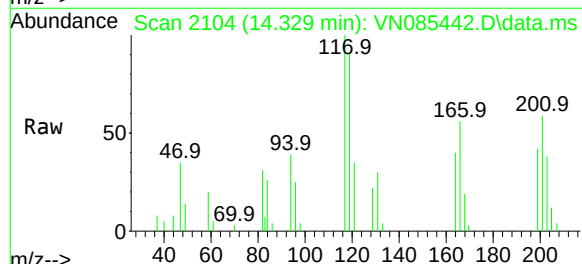
RT: 14.329 min Scan# 2104

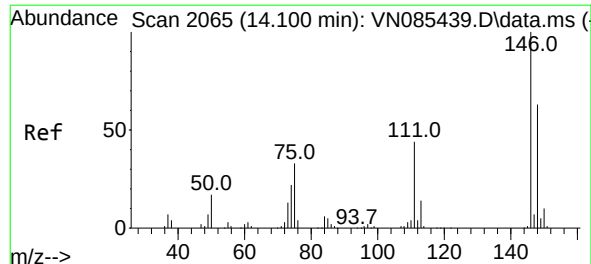
Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt Ion:	117	Resp:	7767
Ion Ratio	Lower	Upper	
117	100		
201	66.9	33.7	101.0





#91

1,2-Dichlorobenzene

Concen: 4.940 ug/l

RT: 14.106 min Scan# 2065

Delta R.T. 0.006 min

Lab File: VN085442.D

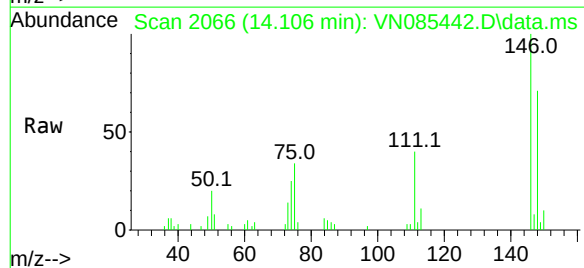
Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

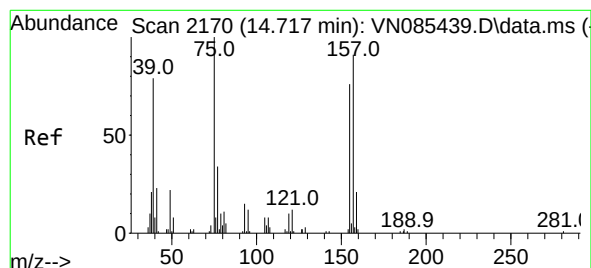
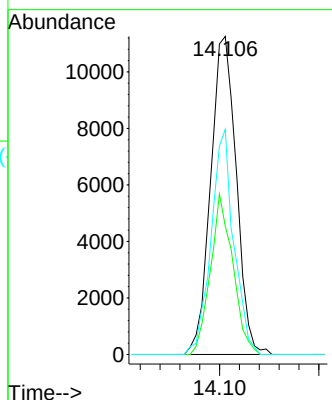
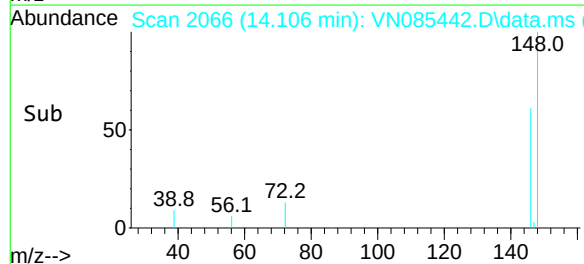
VSTDIC005



Tgt Ion:	146	Resp:	20177
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.7	65.1
148	62.8	31.4	94.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#92

1,2-Dibromo-3-Chloropropane

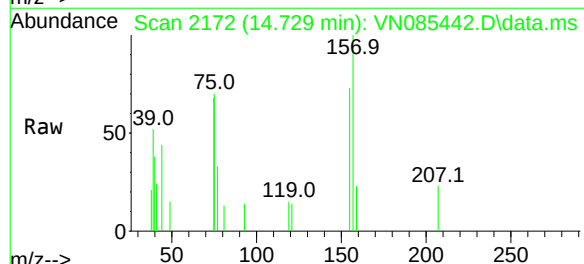
Concen: 5.232 ug/l

RT: 14.729 min Scan# 2172

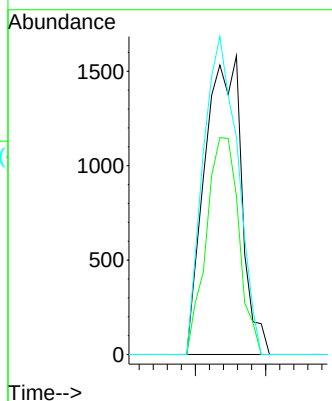
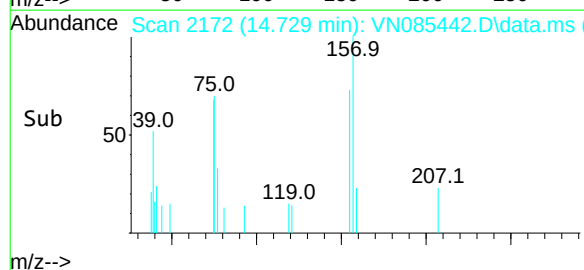
Delta R.T. 0.012 min

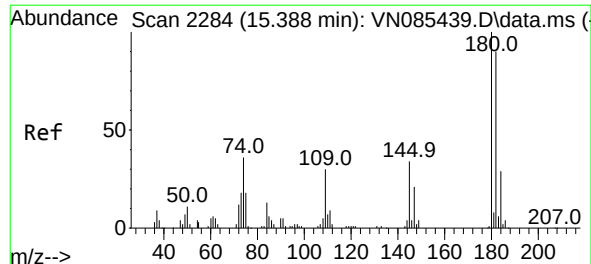
Lab File: VN085442.D

Acq: 14 Jan 2025 16:31



Tgt Ion:	75	Resp:	2872
Ion	Ratio	Lower	Upper
75	100		
155	64.2	36.4	109.2
157	99.8	45.4	136.1





#93

1,2,4-Trichlorobenzene

Concen: 4.761 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

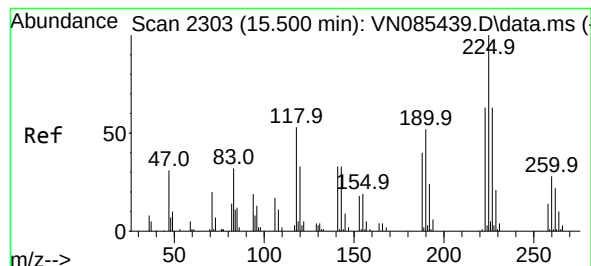
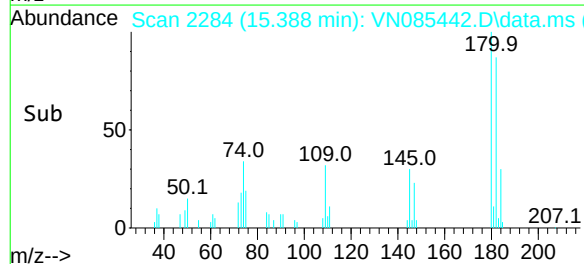
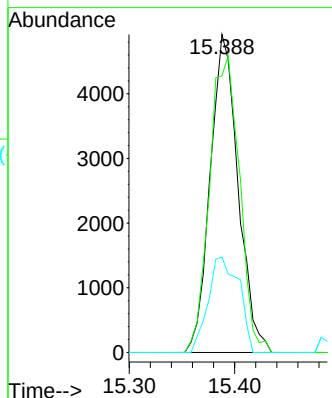
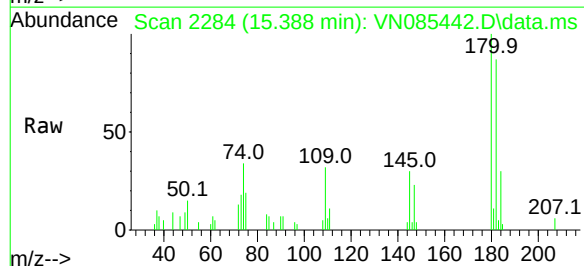
ClientSampleId :

VSTDIC005

Tgt	Ion:180	Resp:	9037
Ion	Ratio	Lower	Upper
180	100		
182	100.5	46.8	140.3
145	33.0	16.0	48.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#94

Hexachlorobutadiene

Concen: 5.520 ug/l

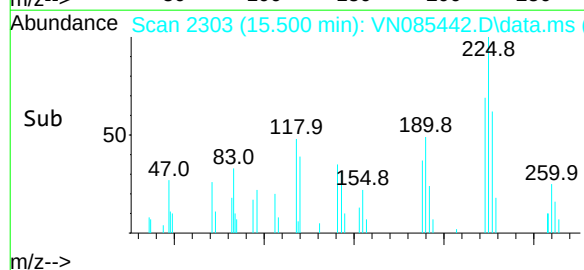
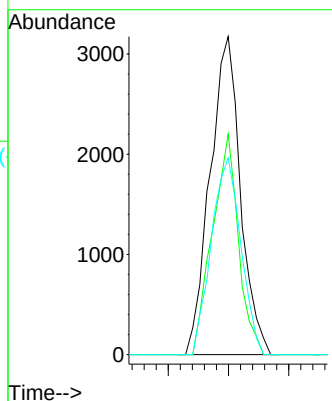
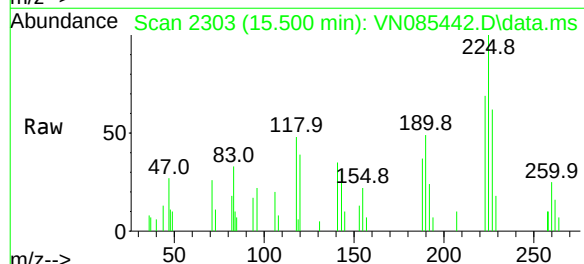
RT: 15.500 min Scan# 2303

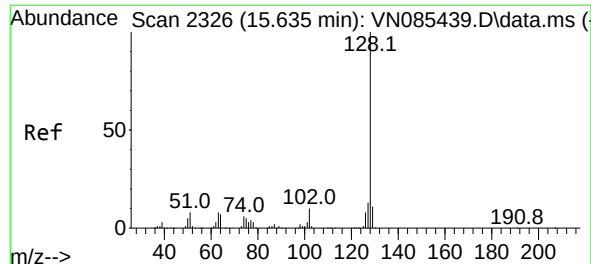
Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt	Ion:225	Resp:	5563
Ion	Ratio	Lower	Upper
225	100		
223	59.2	30.7	92.1
227	60.1	30.9	92.5





#95

Naphthalene

Concen: 4.422 ug/l

RT: 15.641 min Scan# 2326

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA_N

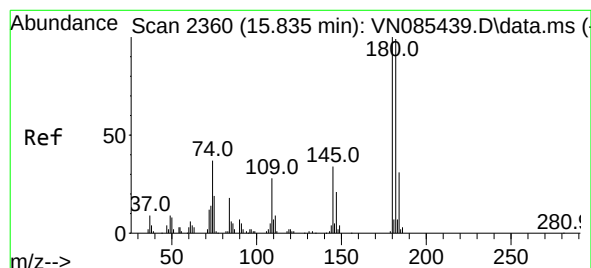
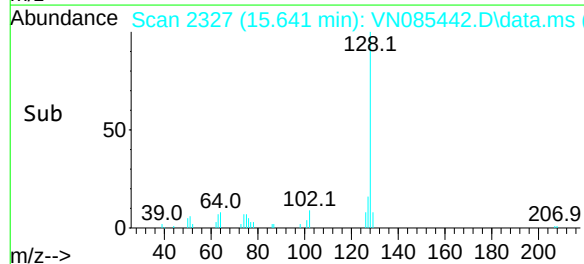
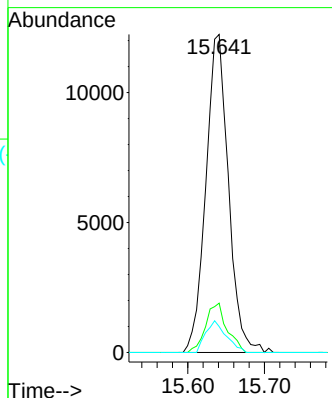
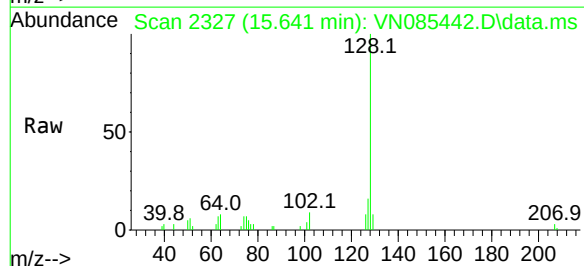
ClientSampleId :

VSTDIC005

Tgt Ion:	128	Resp:	25047
Ion Ratio	Lower	Upper	
128	100		
127	14.7	10.6	16.0
129	9.1	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#96

1,2,3-Trichlorobenzene

Concen: 4.549 ug/l

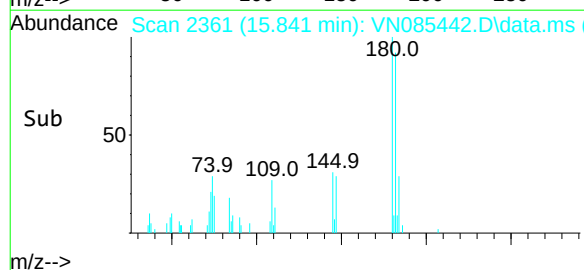
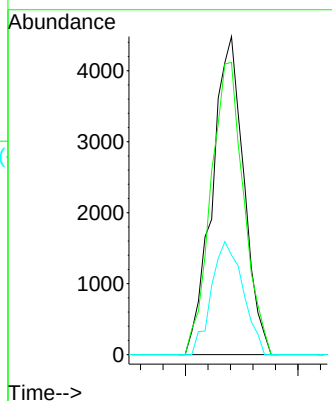
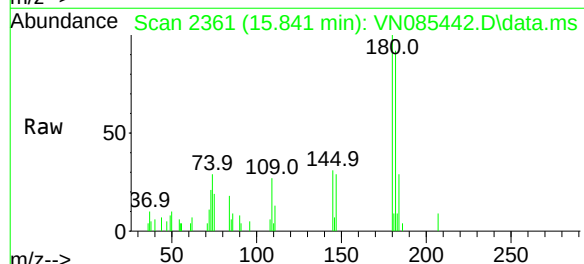
RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Tgt Ion:	180	Resp:	8737
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.4	142.2
145	35.5	16.9	50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085443.D
 Acq On : 14 Jan 2025 17:19
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Quant Time: Jan 15 01:46:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 01:28:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	166880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99539	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	2382	1.054	ug/l	91
3) Chloromethane	2.359	50	2801	1.145	ug/l	93
4) Vinyl Chloride	2.512	62	2732	1.111	ug/l #	81
6) Chloroethane	3.124	64	1809	1.160	ug/l	94
7) Trichlorofluoromethane	3.512	101	3860	1.082	ug/l	88
8) Diethyl Ether	3.953	74	1526	1.238	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.359	101	2156m	1.073	ug/l	
12) 1,1-Dichloroethene	4.330	96	1660	0.927	ug/l #	67
14) Allyl chloride	5.024	41	3179	1.094	ug/l #	85
15) Acrylonitrile	5.718	53	4967	5.070	ug/l #	70
16) Acetone	4.436	43	5102	5.862	ug/l	92
17) Carbon Disulfide	4.706	76	6601	1.197	ug/l #	87
18) Methyl Acetate	5.030	43	2908	1.099	ug/l #	80
19) Methyl tert-butyl Ether	5.789	73	5156	0.887	ug/l #	87
20) Methylene Chloride	5.265	84	2190	1.016	ug/l #	87
21) trans-1,2-Dichloroethene	5.794	96	2110	1.102	ug/l #	66
22) Diisopropyl ether	6.677	45	5691	0.882	ug/l #	88
23) Vinyl Acetate	6.606	43	18526m	4.090	ug/l	
24) 1,1-Dichloroethane	6.583	63	4020m	1.022	ug/l	
25) 2-Butanone	7.483	43	6448m	5.034	ug/l	
26) 2,2-Dichloropropane	7.488	77	3104	0.976	ug/l	92
27) cis-1,2-Dichloroethene	7.477	96	2185	0.969	ug/l	92
28) Bromochloromethane	7.812	49	2082	1.138	ug/l #	89
29) Tetrahydrofuran	7.835	42	3693	4.548	ug/l	98
30) Chloroform	7.965	83	4250	1.045	ug/l #	80
32) 1,1,1-Trichloroethane	8.165	97	3678	1.031	ug/l #	56
36) 1,1-Dichloropropene	8.371	75	3084	1.046	ug/l #	84
37) Ethyl Acetate	7.577	43	3056m	1.026	ug/l	
38) Carbon Tetrachloride	8.359	117	3436	1.018	ug/l	90
39) Methylcyclohexane	9.600	83	2403	0.867	ug/l #	87
40) Benzene	8.606	78	8480	0.957	ug/l	91
41) Methacrylonitrile	7.771	41	1458	0.941	ug/l #	76
42) 1,2-Dichloroethane	8.665	62	3131	0.938	ug/l	91
43) Isopropyl Acetate	8.682	43	4803	1.007	ug/l #	87
44) Trichloroethene	9.347	130	2133	1.034	ug/l	71
45) 1,2-Dichloropropane	9.618	63	2246	0.992	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085443.D
 Acq On : 14 Jan 2025 17:19
 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 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:46:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 01:28:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.706	93	1769	1.083	ug/l	92
47) Bromodichloromethane	9.882	83	2935	0.882	ug/l	90
48) Methyl methacrylate	9.677	41	1886	0.878	ug/l	96
49) 1,4-Dioxane	9.688	88	673	18.616	ug/l #	47
51) 4-Methyl-2-Pentanone	10.441	43	11523	4.163	ug/l	93
52) Toluene	10.618	92	4180	0.814	ug/l	93
53) t-1,3-Dichloropropene	10.835	75	2522	0.802	ug/l	92
54) cis-1,3-Dichloropropene	10.312	75	2725	0.811	ug/l #	83
55) 1,1,2-Trichloroethane	11.018	97	1901	0.935	ug/l	91
56) Ethyl methacrylate	10.871	69	1923	2.471	ug/l #	88
57) 1,3-Dichloropropane	11.165	76	3113	0.881	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.153	63	4929	3.822	ug/l	91
59) 2-Hexanone	11.194	43	7905	4.058	ug/l	87
60) Dibromochloromethane	11.359	129	2339	0.953	ug/l	98
61) 1,2-Dibromoethane	11.465	107	2022	1.000	ug/l	90
64) Tetrachloroethene	11.106	164	1658	0.947	ug/l #	83
65) Chlorobenzene	11.888	112	5401	0.960	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	2185	1.058	ug/l #	64
67) Ethyl Benzene	11.959	91	7347	0.802	ug/l	94
68) m/p-Xylenes	12.070	106	5059	1.494	ug/l	100
69) o-Xylene	12.394	106	2478	0.766	ug/l	97
70) Styrene	12.406	104	3812	0.712	ug/l	99
71) Bromoform	12.582	173	1208	0.818	ug/l #	88
73) Isopropylbenzene	12.688	105	5506	0.820	ug/l	98
74) N-amyl acetate	12.494	43	2716	0.899	ug/l #	87
75) 1,1,1,2-Tetrachloroethane	12.935	83	2616	1.102	ug/l #	96
76) 1,2,3-Trichloropropane	12.982	75	2198m	1.088	ug/l	
77) Bromobenzene	12.976	156	1733	0.987	ug/l	97
78) n-propylbenzene	13.029	91	6424	0.808	ug/l	93
79) 2-Chlorotoluene	13.117	91	4483	0.871	ug/l	97
80) 1,3,5-Trimethylbenzene	13.165	105	4301	0.775	ug/l	90
82) 4-Chlorotoluene	13.223	91	4268	0.833	ug/l	99
83) tert-Butylbenzene	13.435	119	3753	0.805	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	3758	0.679	ug/l	93
85) sec-Butylbenzene	13.612	105	4614	0.714	ug/l	99
86) p-Isopropyltoluene	13.723	119	3538	0.716	ug/l	98
87) 1,3-Dichlorobenzene	13.723	146	3038	0.940	ug/l	95
88) 1,4-Dichlorobenzene	13.806	146	3517m	1.050	ug/l	
89) n-Butylbenzene	14.053	91	3527	0.761	ug/l	93
90) Hexachloroethane	14.341	117	1355	1.102	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	3515	1.090	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	402	0.928	ug/l	74
93) 1,2,4-Trichlorobenzene	15.394	180	1310	0.874	ug/l #	80
94) Hexachlorobutadiene	15.500	225	822	1.033	ug/l	89
95) Naphthalene	15.641	128	4210	0.941	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.835	180	1494	0.985	ug/l #	86

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

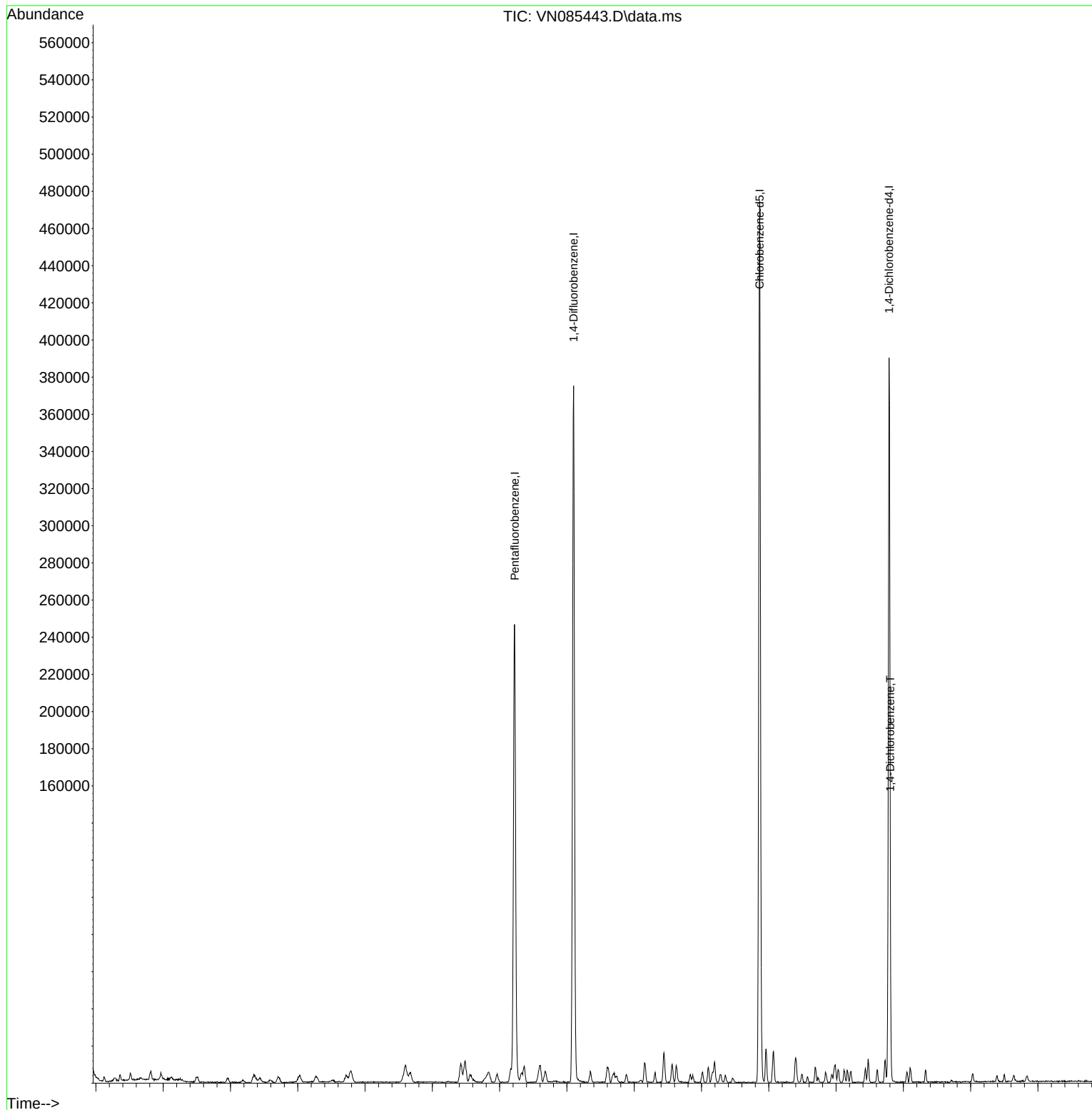
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Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDIC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

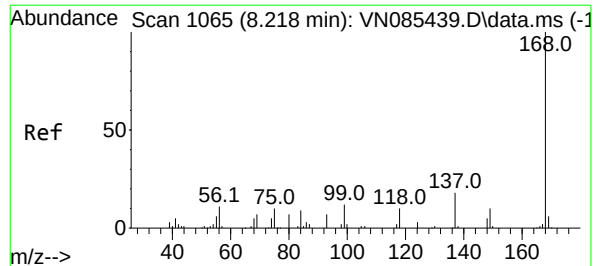
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

Reviewed By : John Carlone 01/15/2025
Supervised By : Mahesh Dadoda 01/15/2025

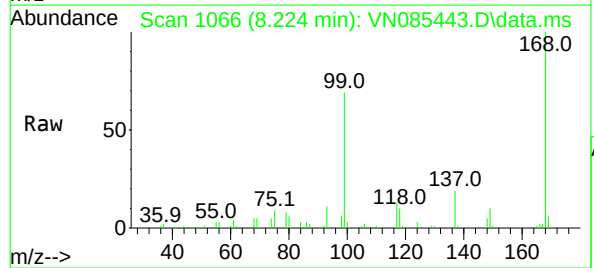
Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

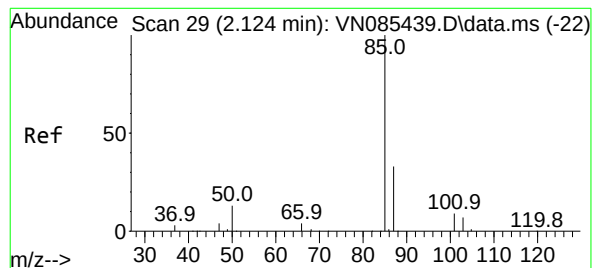
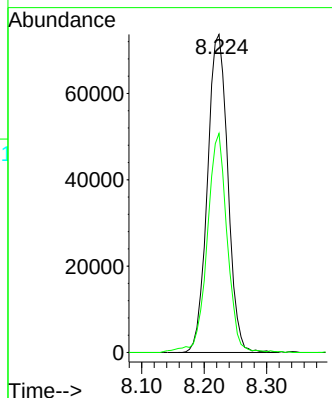
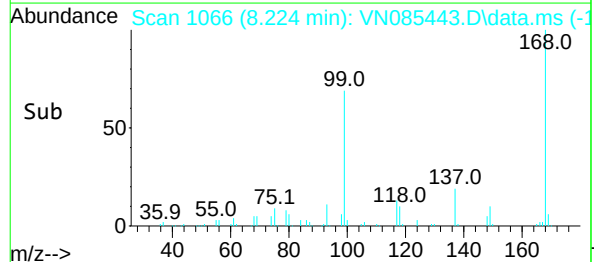
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 168 Resp: 166880
Ion Ratio Lower Upper
168 100
99 68.6 53.6 80.4

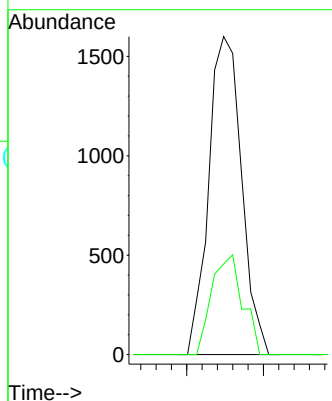
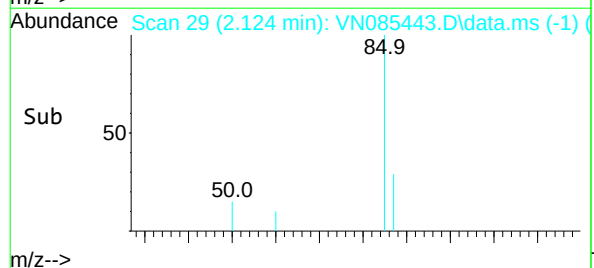
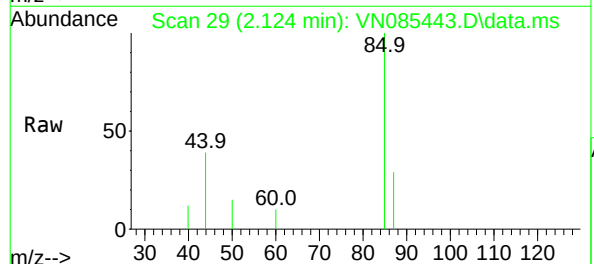
Manual Integrations
APPROVED

Reviewed By : John Carlone 01/15/2025
Supervised By : Mahesh Dadoda 01/15/2025

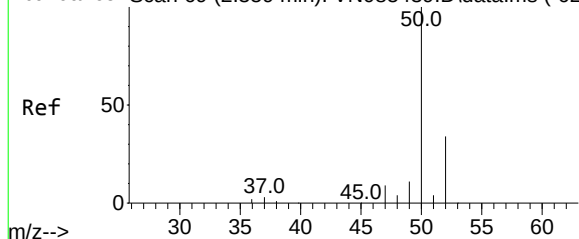


#2
Dichlorodifluoromethane
Concen: 1.054 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 85 Resp: 2382
Ion Ratio Lower Upper
85 100
87 28.5 16.7 50.1



Abundance Scan 69 (2.359 min): VN085439.D\data.ms (-62)



#3

Chloromethane

Concen: 1.145 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

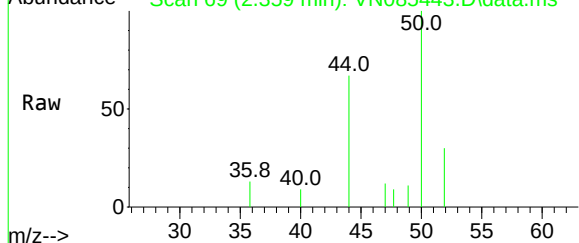
Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Abundance Scan 69 (2.359 min): VN085443.D\data.ms



Tgt Ion: 50 Resp: 2801

Ion Ratio Lower Upper

50 100

52 29.7 27.0 40.6

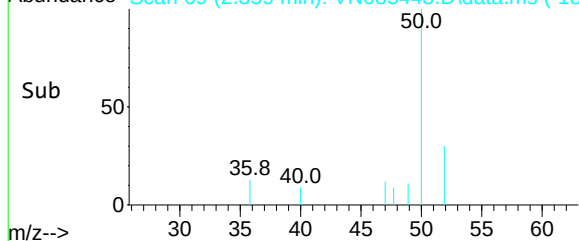
Manual Integrations

APPROVED

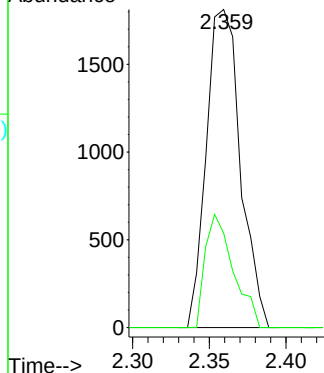
Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025

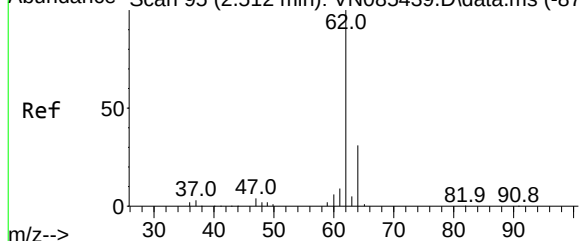
Abundance Scan 69 (2.359 min): VN085443.D\data.ms (-18)



Abundance



Abundance Scan 95 (2.512 min): VN085439.D\data.ms (-87)



#4

Vinyl Chloride

Concen: 1.111 ug/l

RT: 2.512 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

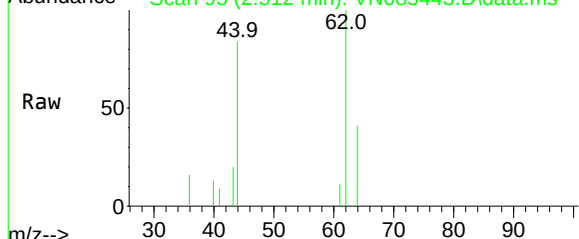
Tgt Ion: 62 Resp: 2732

Ion Ratio Lower Upper

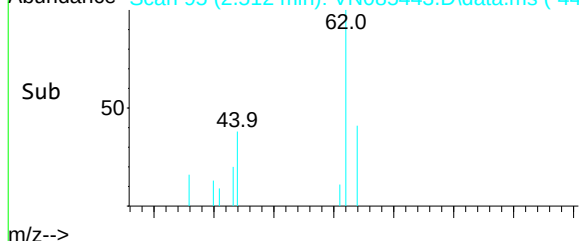
62 100

64 41.4 24.8 37.2

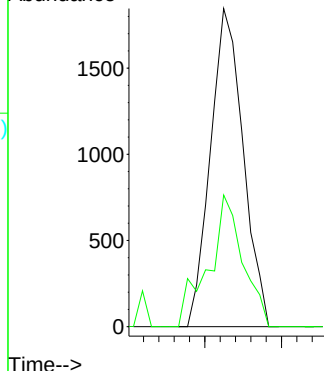
Abundance Scan 95 (2.512 min): VN085443.D\data.ms

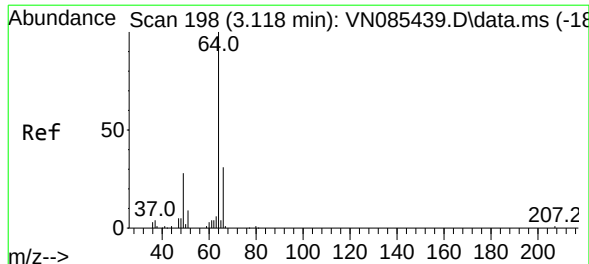


Abundance Scan 95 (2.512 min): VN085443.D\data.ms (-44)



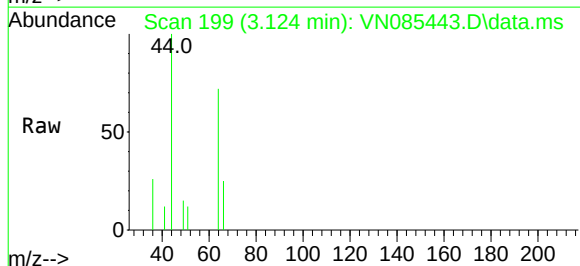
Abundance





#6
Chloroethane
Concen: 1.160 ug/l
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

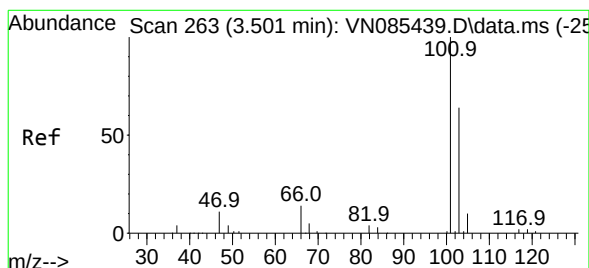
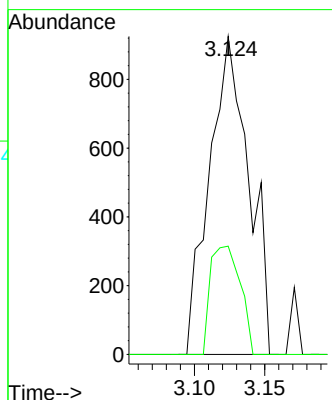
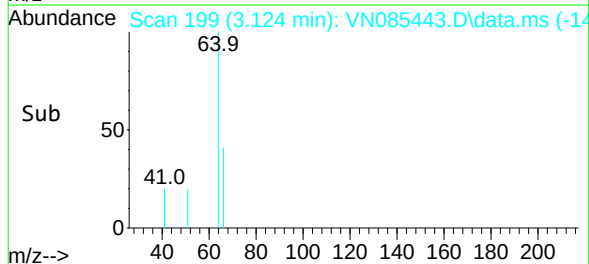
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 64 Resp: 1809
Ion Ratio Lower Upper
64 100
66 34.1 24.6 36.8

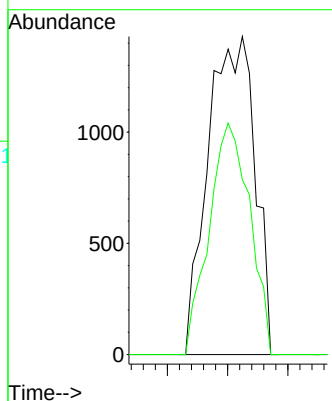
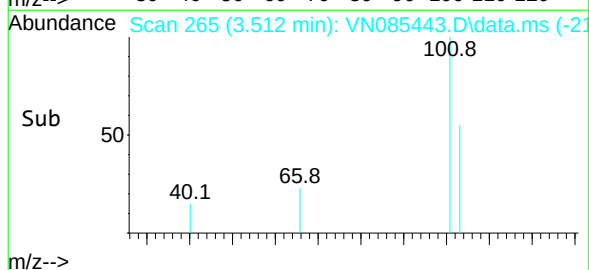
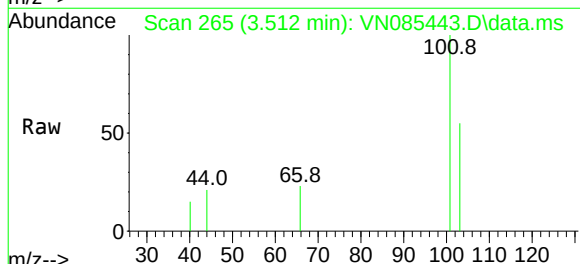
Manual Integrations
APPROVED

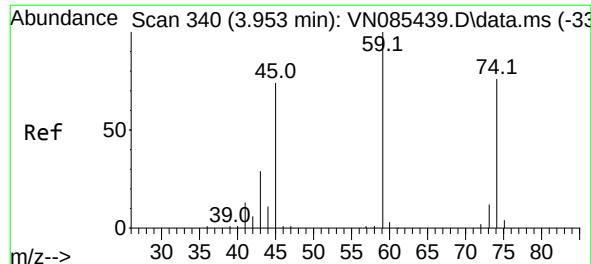
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#7
Trichlorofluoromethane
Concen: 1.082 ug/l
RT: 3.512 min Scan# 265
Delta R.T. 0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:101 Resp: 3860
Ion Ratio Lower Upper
101 100
103 55.0 51.4 77.2





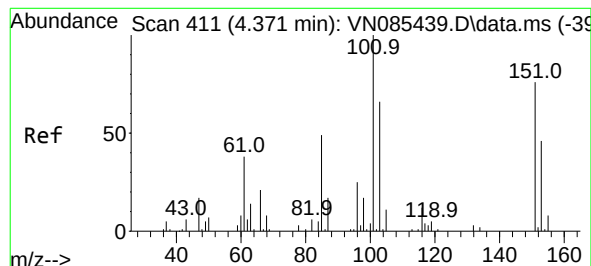
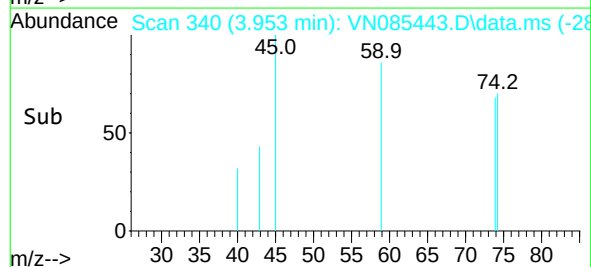
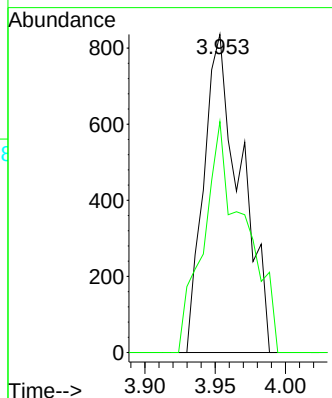
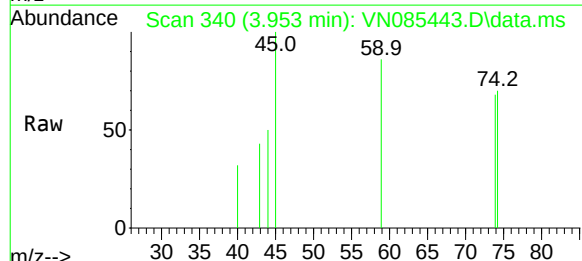
#8
Diethyl Ether
Concen: 1.238 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 74 Resp: 1526
Ion Ratio Lower Upper
74 100
45 80.9 49.7 149.1

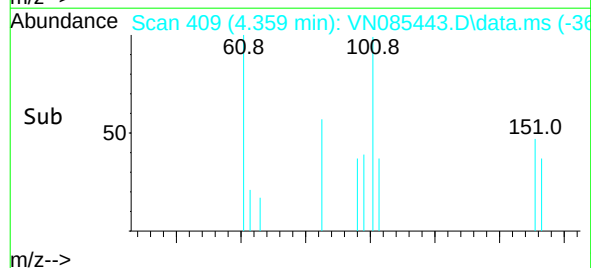
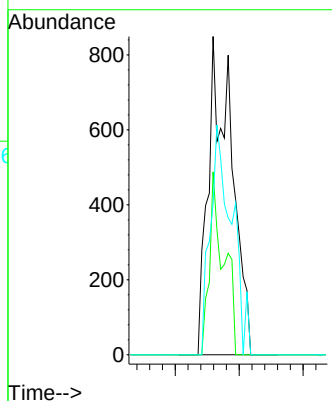
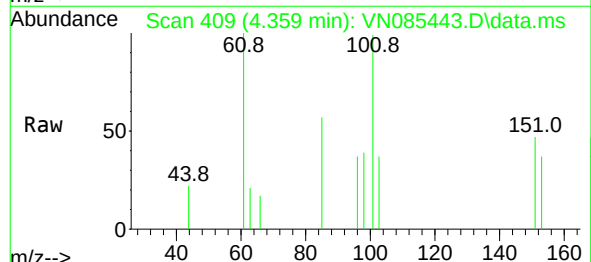
Manual Integrations
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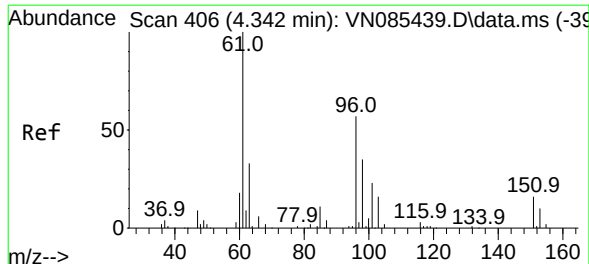
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.073 ug/l m
RT: 4.359 min Scan# 409
Delta R.T. -0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:101 Resp: 2156
Ion Ratio Lower Upper
101 100
85 35.3 37.8 56.8#
151 66.4 58.8 88.2





#12

1,1-Dichloroethene

Concen: 0.927 ug/l

RT: 4.330 min Scan# 406

Delta R.T. -0.012 min

Lab File: VN085443.D

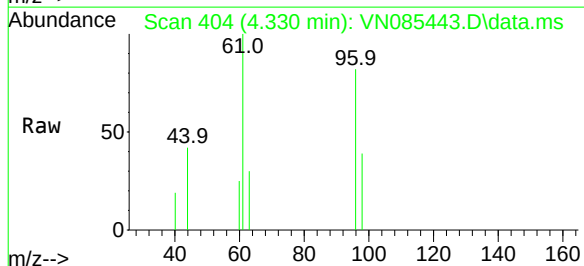
Acq: 14 Jan 2025 17:19

Instrument :

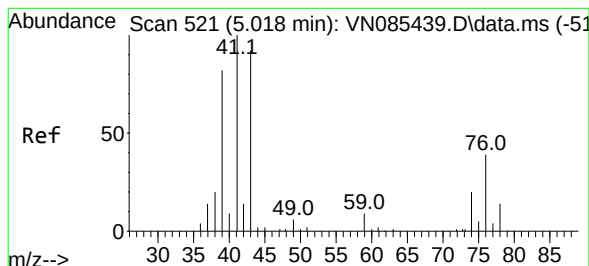
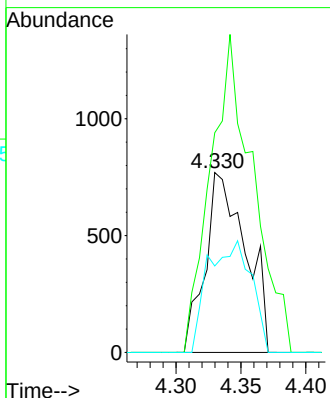
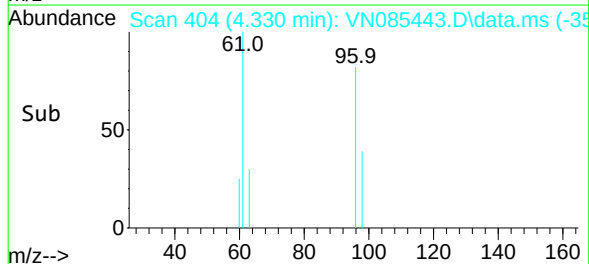
MSVOA_N

ClientSampleId :

VSTDIC001



Tgt Ion:	96	Resp:	1660
Ion	Ratio	Lower	Upper
96	100		
61	122.1	141.0	211.4#
98	48.1	49.0	73.6#

Manual Integrations
APPROVEDReviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

#14

Allyl chloride

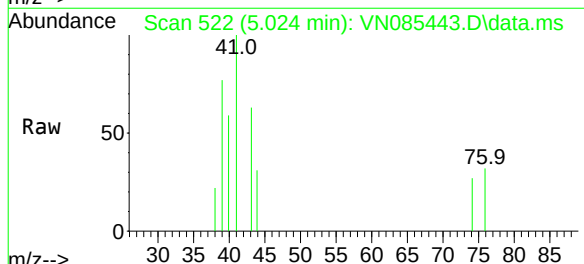
Concen: 1.094 ug/l

RT: 5.024 min Scan# 522

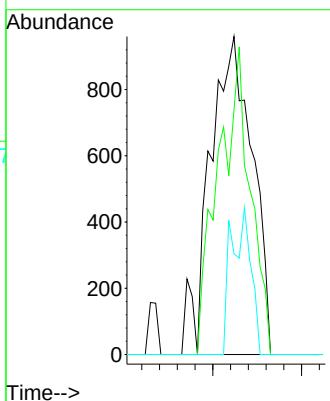
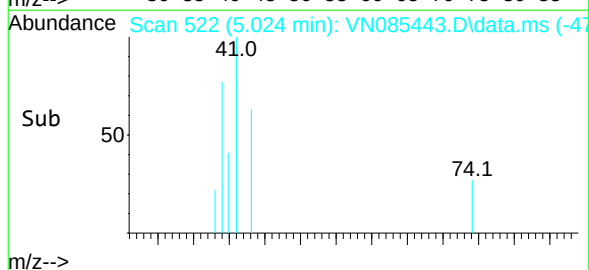
Delta R.T. 0.006 min

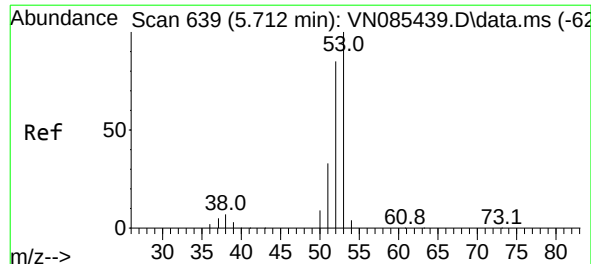
Lab File: VN085443.D

Acq: 14 Jan 2025 17:19



Tgt Ion:	41	Resp:	3179
Ion	Ratio	Lower	Upper
41	100		
39	73.1	64.4	96.6
76	21.4	30.5	45.7#





#15

Acrylonitrile

Concen: 5.070 ug/l

RT: 5.718 min Scan# 64

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

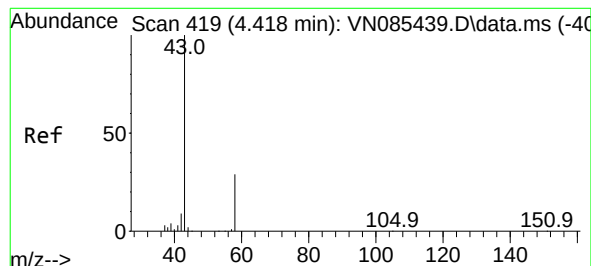
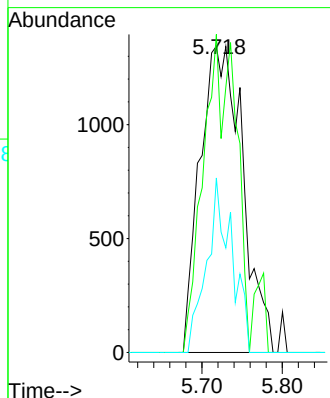
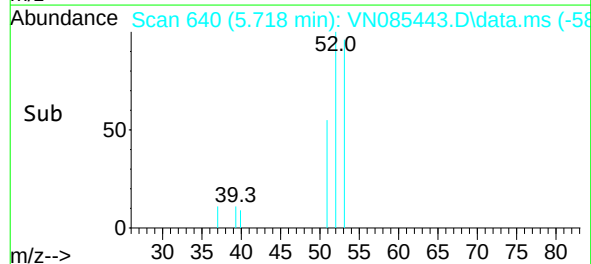
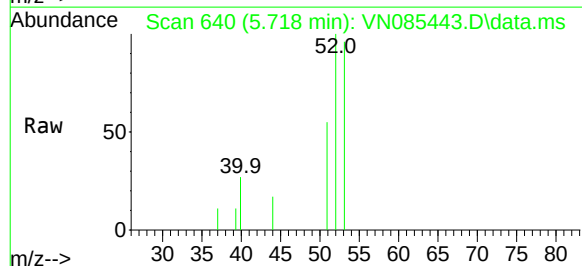
ClientSampleId :

VSTDIC001

Tgt Ion:	53	Resp:	4967
Ion	Ratio	Lower	Upper
53	100		
52	45.1	65.5	98.3
51	33.3	29.8	44.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#16

Acetone

Concen: 5.862 ug/l

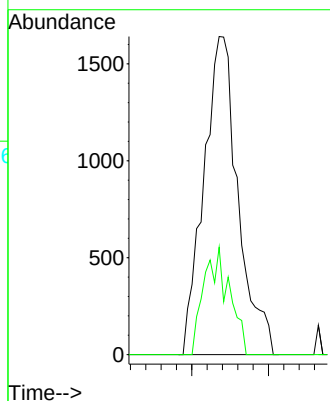
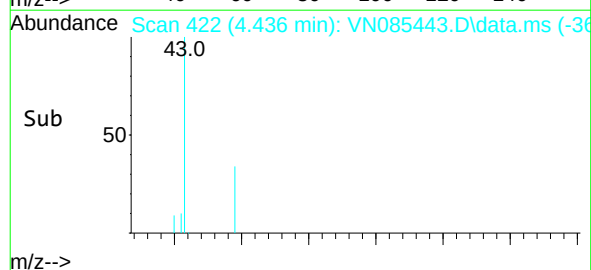
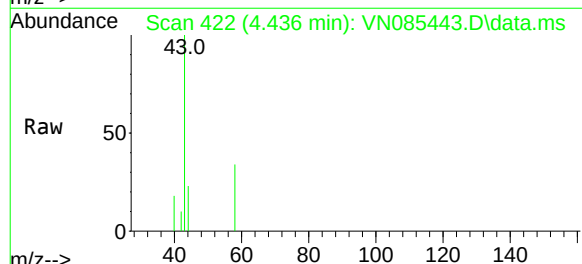
RT: 4.436 min Scan# 422

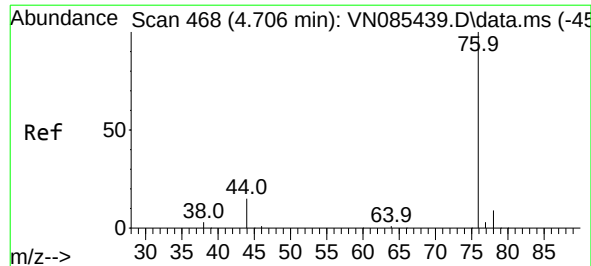
Delta R.T. 0.018 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt Ion:	43	Resp:	5102
Ion	Ratio	Lower	Upper
43	100		
58	33.8	23.8	35.6





#17

Carbon Disulfide

Concen: 1.197 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.000 min

Lab File: VN085443.D

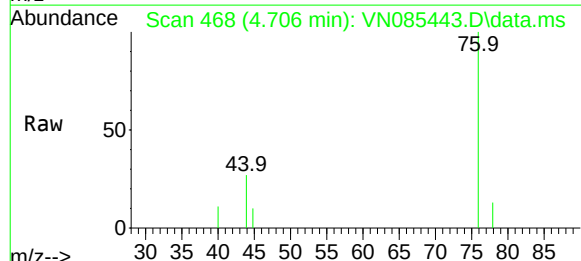
Acq: 14 Jan 2025 17:19

Instrument :

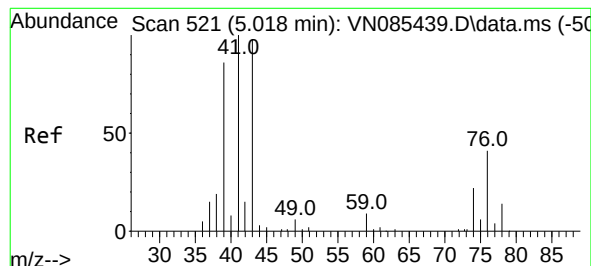
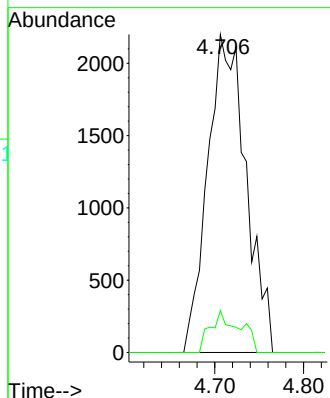
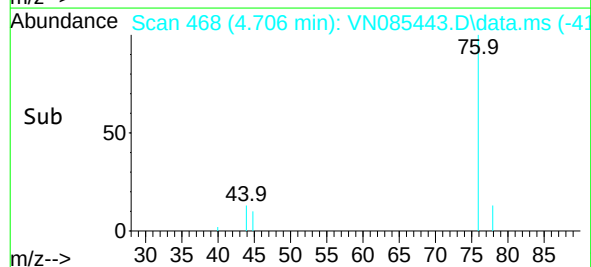
MSVOA_N

ClientSampleId :

VSTDIC001



Tgt Ion	Ratio	Lower	Upper
76	100		
78	13.2	6.9	10.3

Manual Integrations
APPROVEDReviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

#18

Methyl Acetate

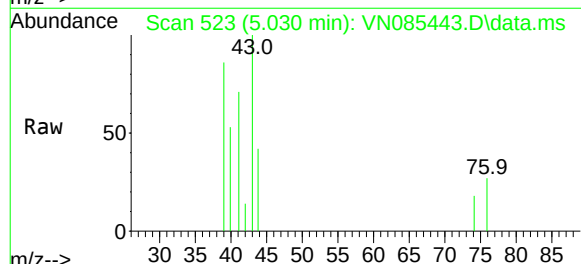
Concen: 1.099 ug/l

RT: 5.030 min Scan# 523

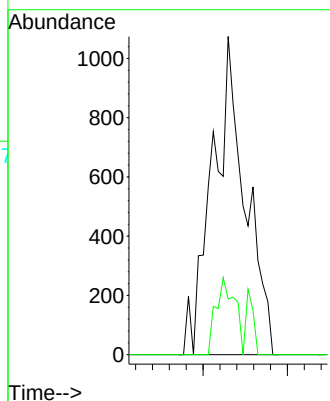
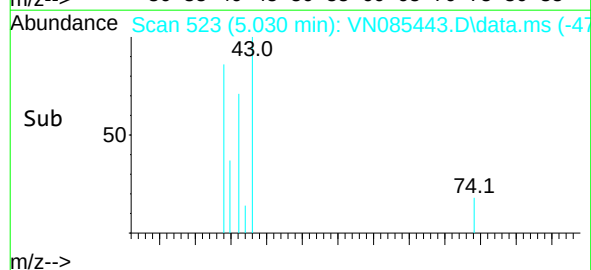
Delta R.T. 0.012 min

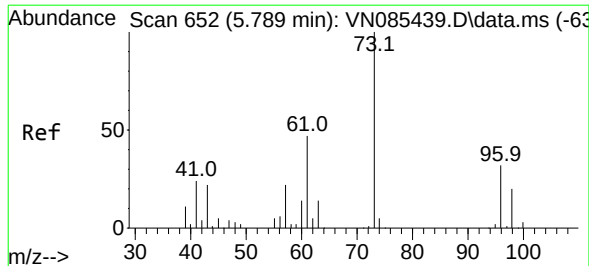
Lab File: VN085443.D

Acq: 14 Jan 2025 17:19



Tgt Ion	Ratio	Lower	Upper
43	100		
74	13.8	18.6	28.0





#19

Methyl tert-butyl Ether

Concen: 0.887 ug/l

RT: 5.789 min Scan# 65

Delta R.T. -0.000 min MSVOA_N

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 73 Resp: 5156

Ion Ratio Lower Upper

73 100

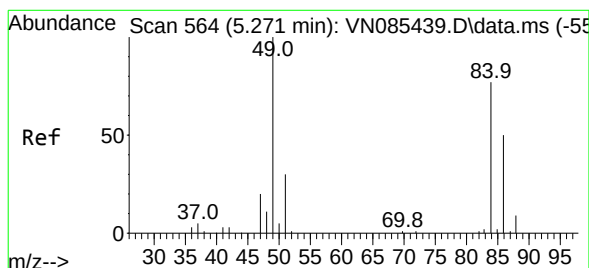
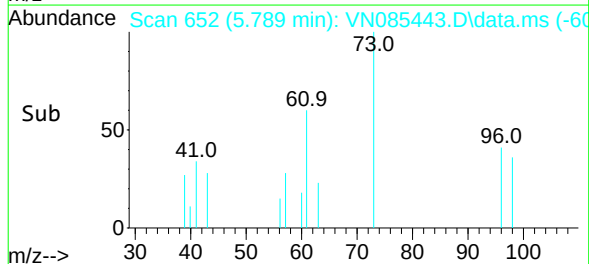
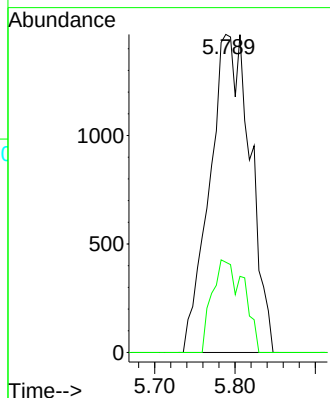
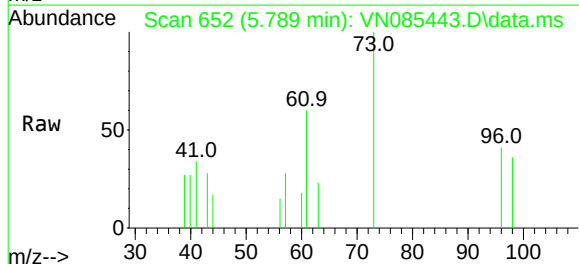
57 28.4 17.8 26.8#

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#20

Methylene Chloride

Concen: 1.016 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt Ion: 84 Resp: 2190

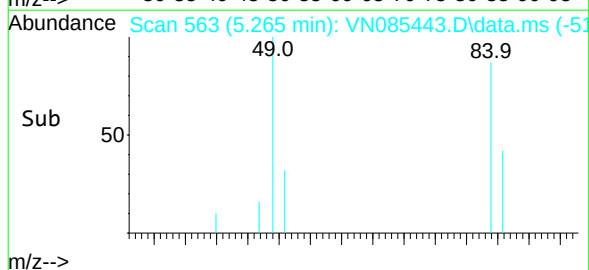
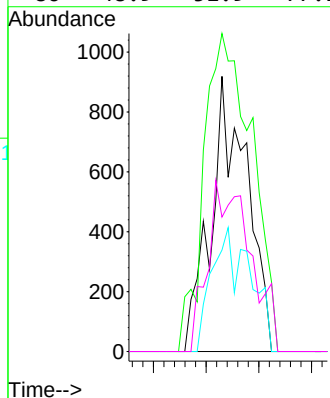
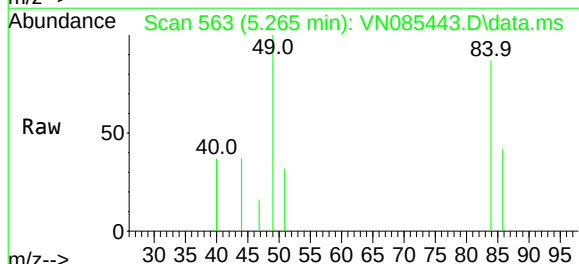
Ion Ratio Lower Upper

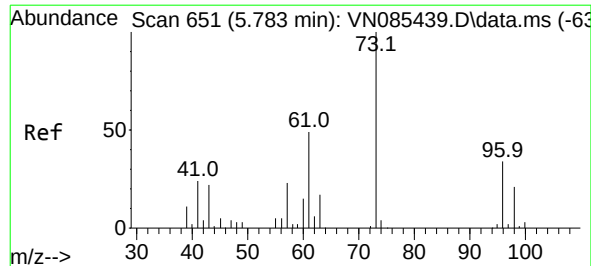
84 100

49 115.6 104.1 156.1

51 36.9 31.0 46.4

86 48.9 51.9 77.9#





#21

trans-1,2-Dichloroethene

Concen: 1.102 ug/l

RT: 5.794 min Scan# 651

Delta R.T. 0.012 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 2110

Ion Ratio Lower Upper

96 100

61 98.7 115.7 173.5#

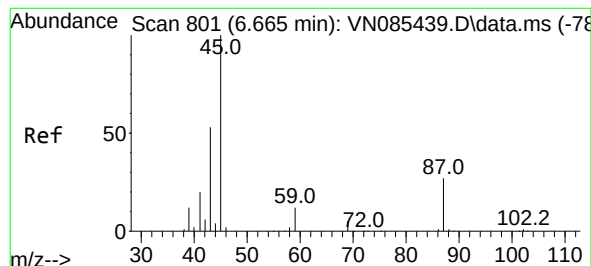
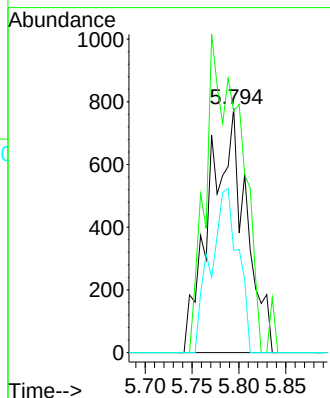
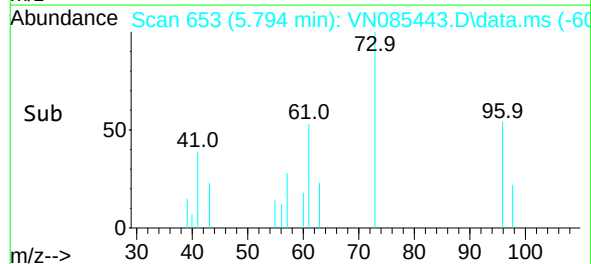
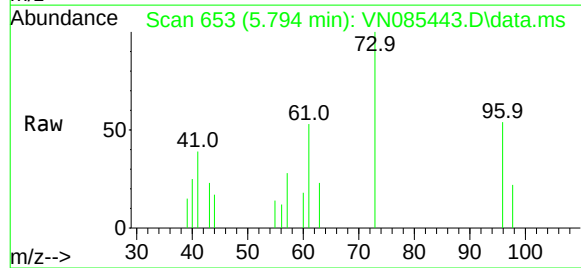
98 41.8 49.8 74.8#

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#22

Diisopropyl ether

Concen: 0.882 ug/l

RT: 6.677 min Scan# 803

Delta R.T. 0.012 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt Ion: 45 Resp: 5691

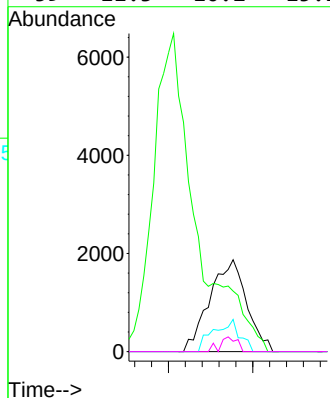
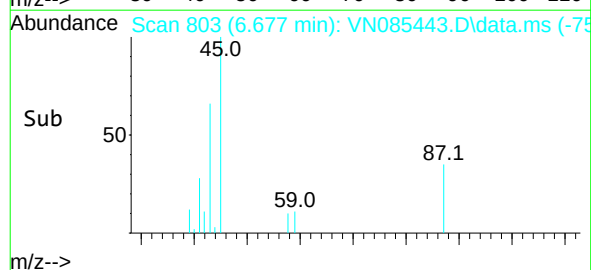
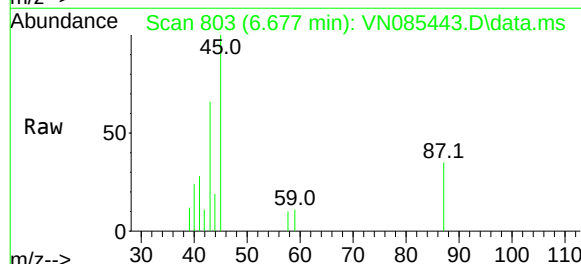
Ion Ratio Lower Upper

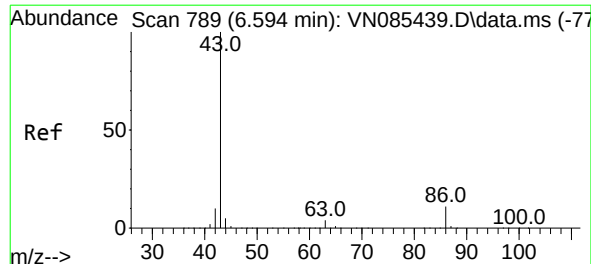
45 100

43 65.9 45.0 67.6

87 35.0 21.8 32.8#

59 11.3 10.2 15.2





#23

Vinyl Acetate

Concen: 4.090 ug/l m

RT: 6.606 min Scan# 791

Delta R.T. 0.012 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 43 Resp: 18526

Ion Ratio Lower Upper

43 100

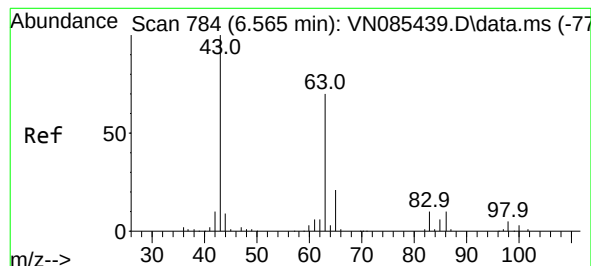
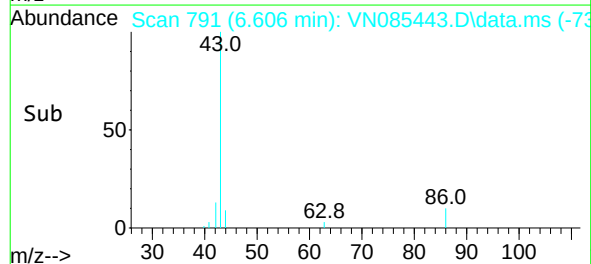
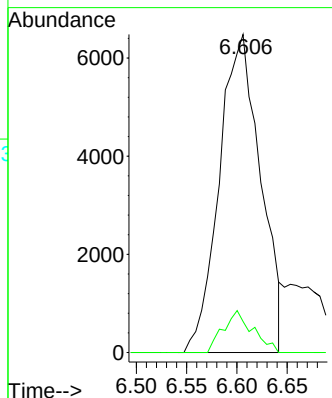
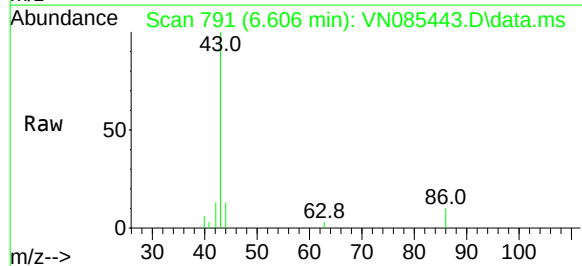
86 9.8 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#24

1,1-Dichloroethane

Concen: 1.022 ug/l m

RT: 6.583 min Scan# 787

Delta R.T. 0.018 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

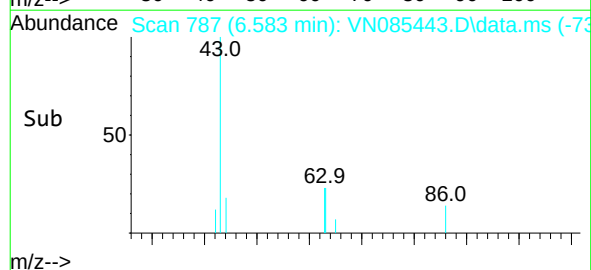
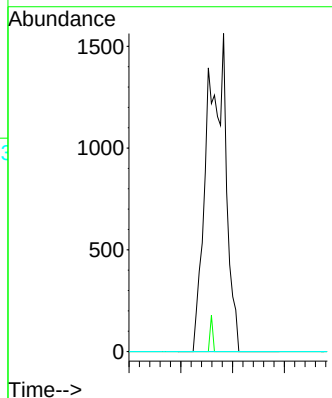
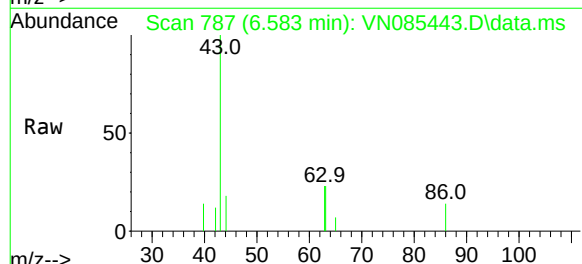
Tgt Ion: 63 Resp: 4020

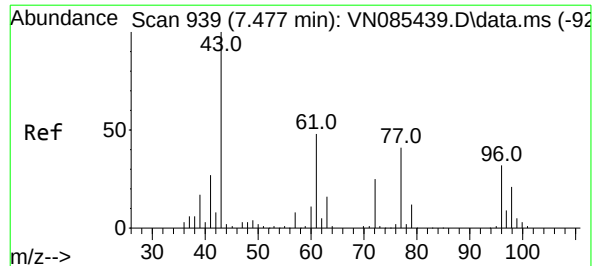
Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.0 6.0#





#25

2-Butanone

Concen: 5.034 ug/l m

RT: 7.483 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 6448

Ion Ratio Lower Upper

43 100

72 18.0 20.2 30.4#

Instrument :

MSVOA_N

ClientSampleId :

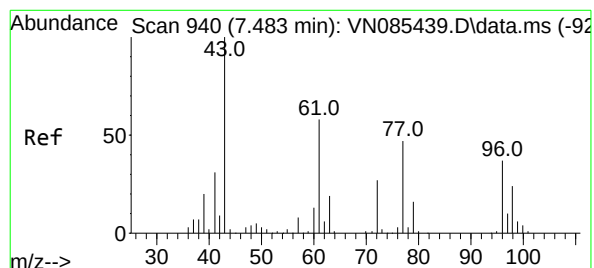
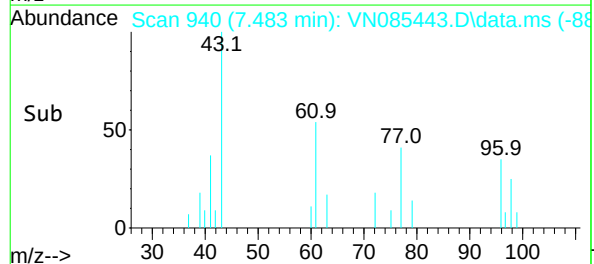
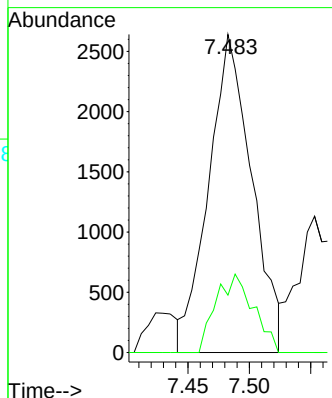
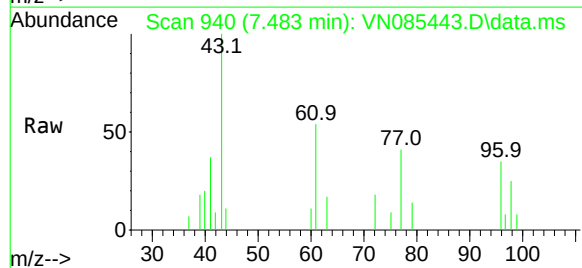
VSTDIC001

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#26

2,2-Dichloropropane

Concen: 0.976 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085443.D

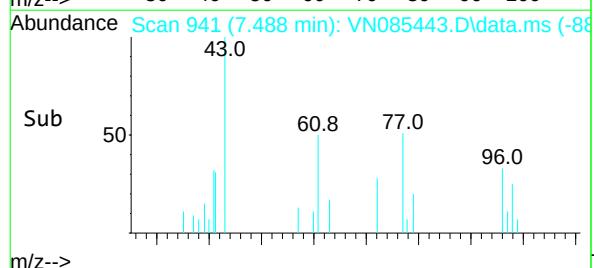
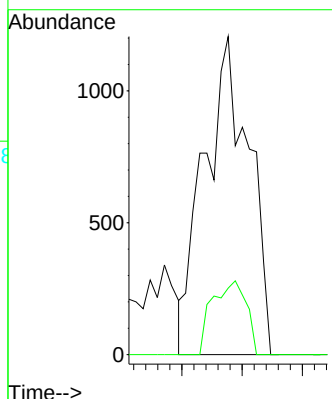
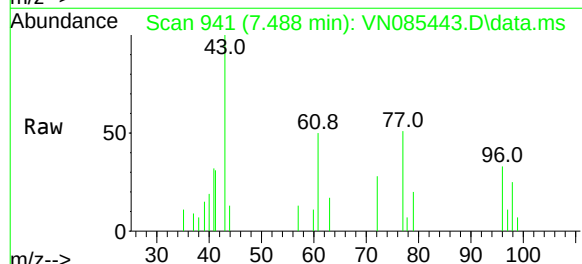
Acq: 14 Jan 2025 17:19

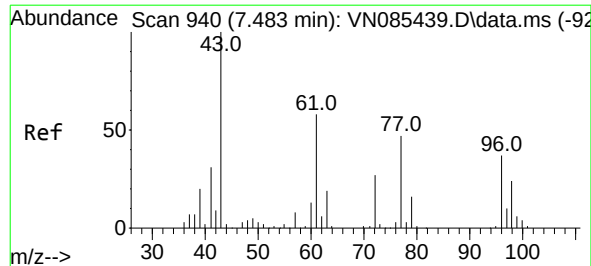
Tgt Ion: 77 Resp: 3104

Ion Ratio Lower Upper

77 100

97 17.7 10.7 32.1





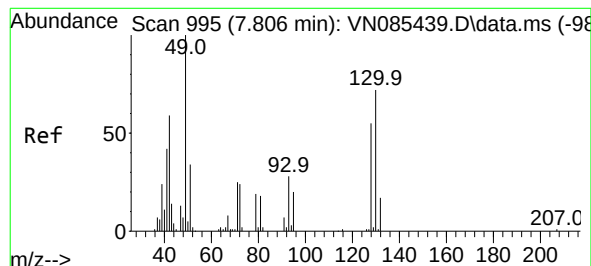
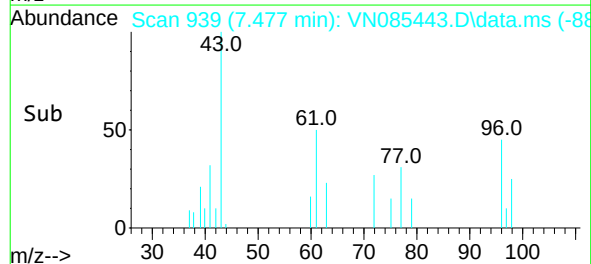
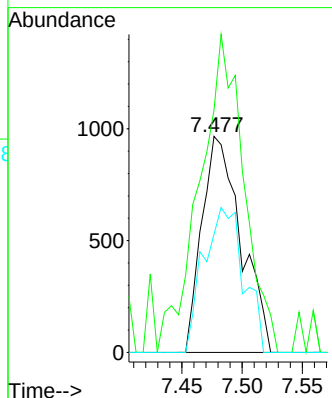
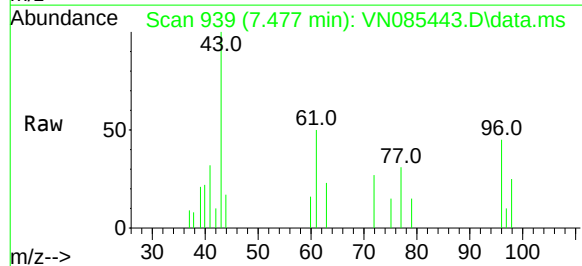
#27
cis-1,2-Dichloroethene
Concen: 0.969 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.1	0.0	311.8
98	68.7	0.0	126.0

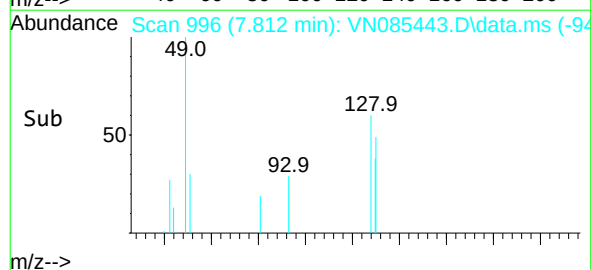
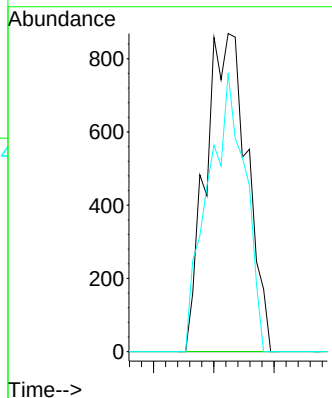
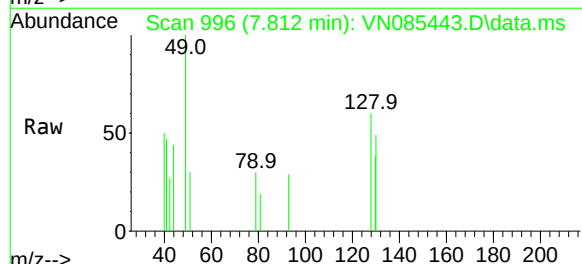
Manual Integrations
APPROVED

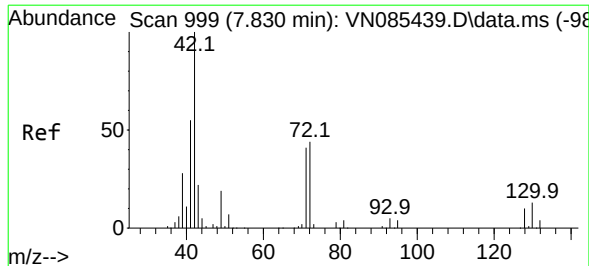
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#28
Bromochloromethane
Concen: 1.138 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	78.0	55.0	82.4





#29

Tetrahydrofuran

Concen: 4.548 ug/l

RT: 7.835 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

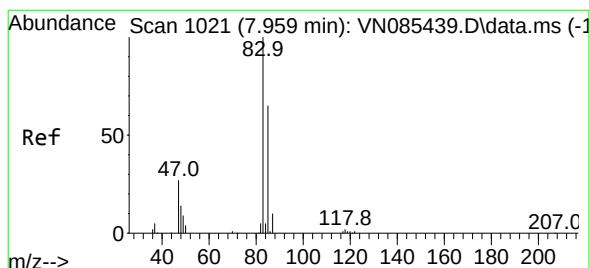
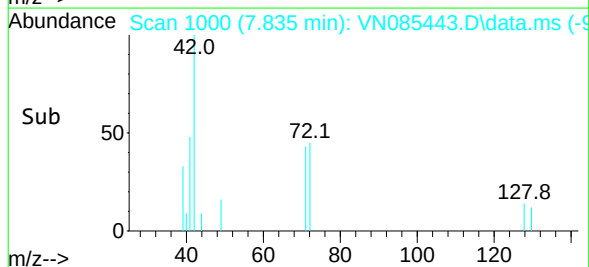
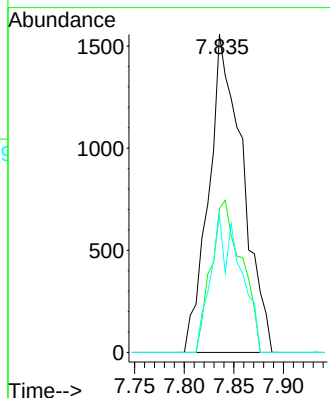
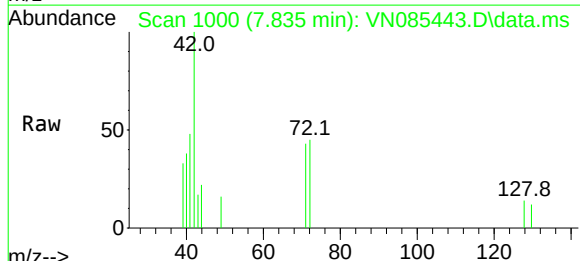
VSTDIC001

Tgt Ion:	42	Resp:	3693
Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.2	51.2
71	37.9	32.5	48.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#30

Chloroform

Concen: 1.045 ug/l

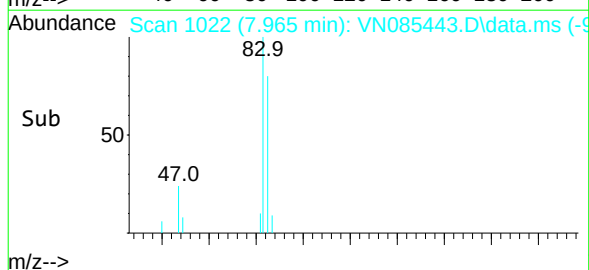
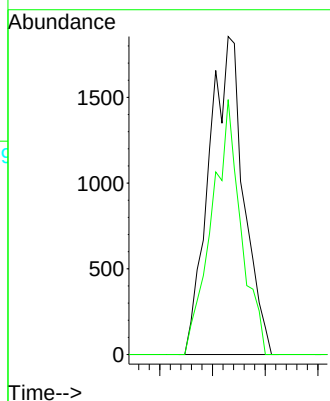
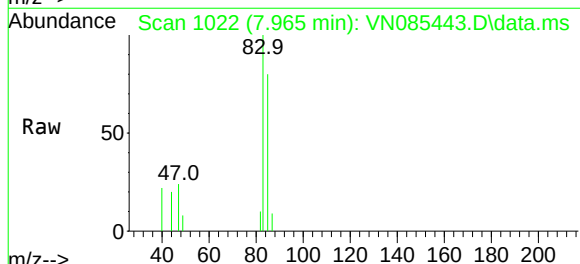
RT: 7.965 min Scan# 1022

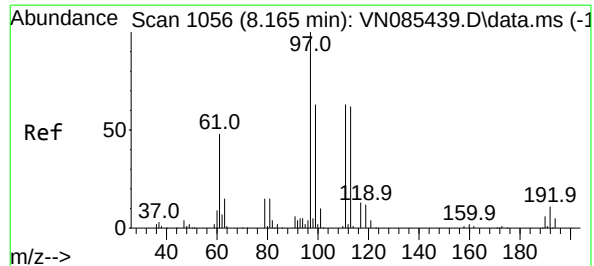
Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

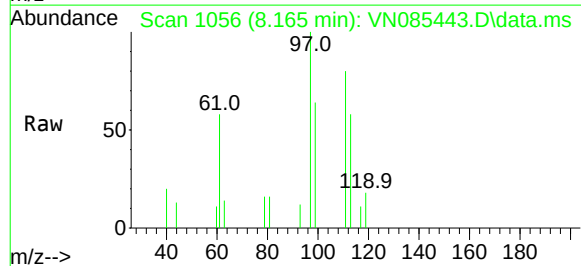
Tgt Ion:	83	Resp:	4250
Ion	Ratio	Lower	Upper
83	100		
85	80.2	51.8	77.6





#32
1,1,1-Trichloroethane
Concen: 1.031 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

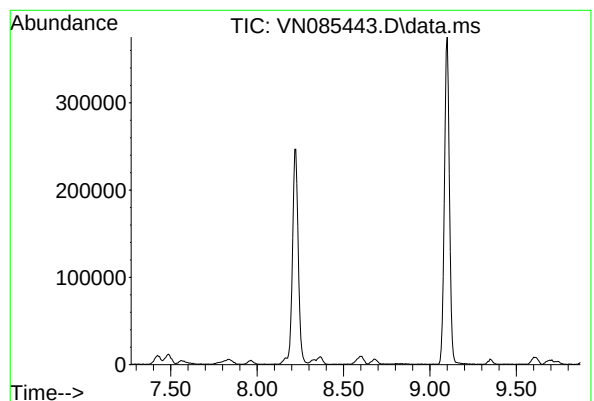
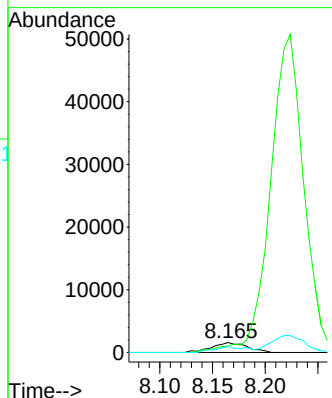
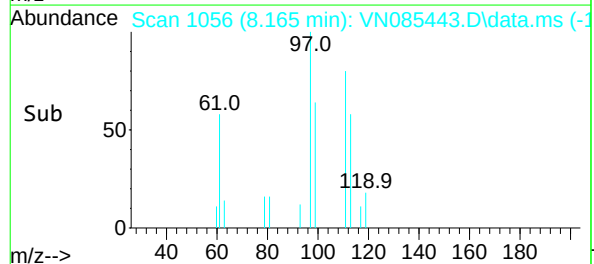
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 97 Resp: 3678
Ion Ratio Lower Upper
97 100
99 0.0 49.8 74.6#
61 52.2 41.4 62.2

Manual Integrations
APPROVED

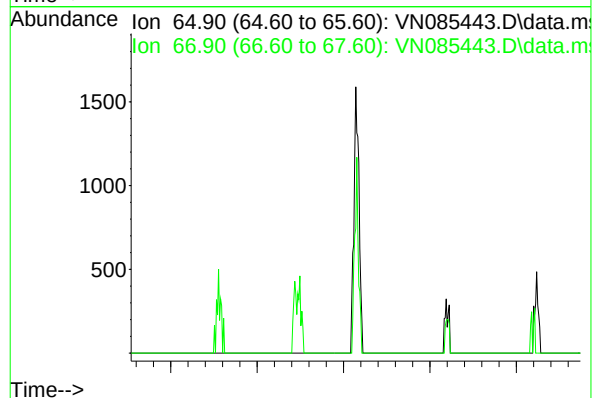
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

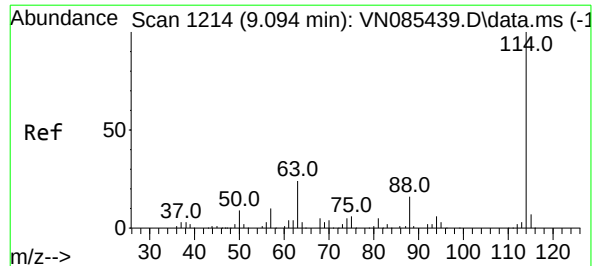


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.57 min

Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 65
Sig Exp Ratio
65 100
67 50.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 12

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 302938

Ion Ratio Lower Upper

114 100

63 22.3 0.0 47.6

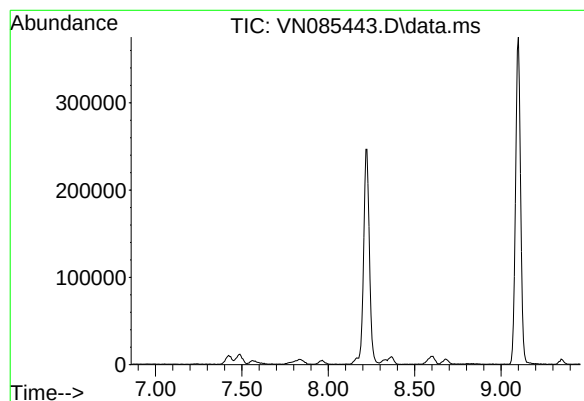
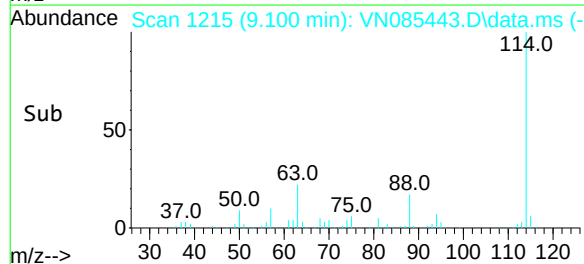
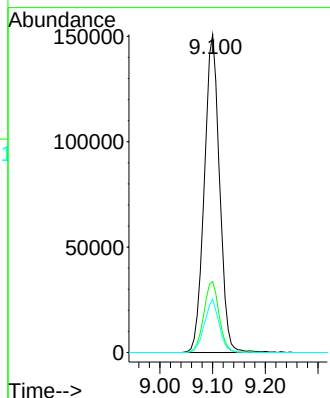
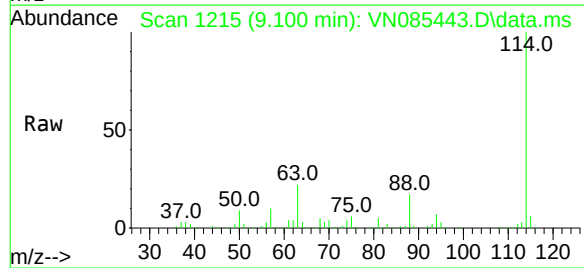
88 16.8 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 8.16 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

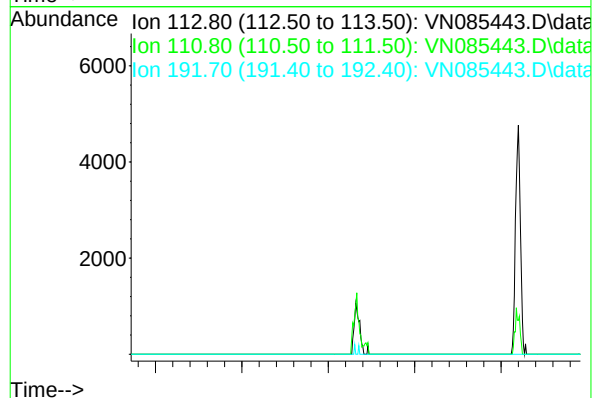
Tgt Ion: 113

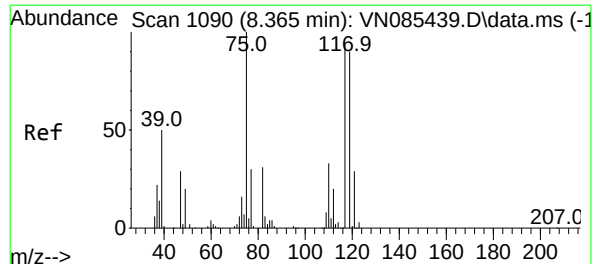
Sig Exp Ratio

113 100

111 103.4

192 17.9





#36

1,1-Dichloropropene

Concen: 1.046 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 75 Resp: 3084

Ion Ratio Lower Upper

75 100

110 30.1 16.5 49.5

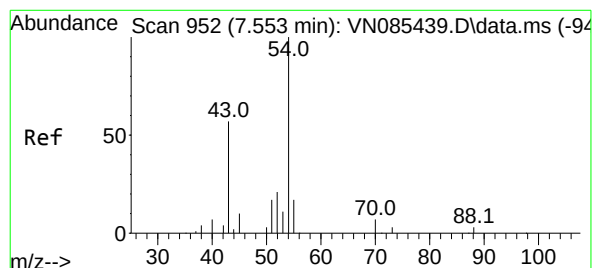
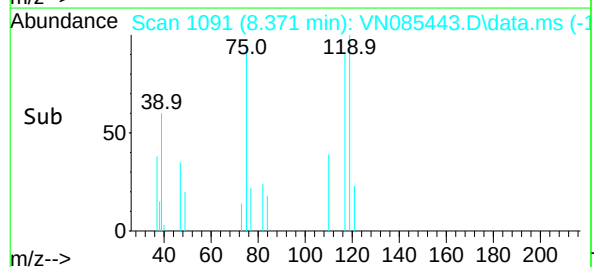
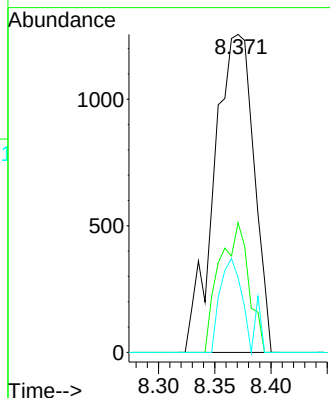
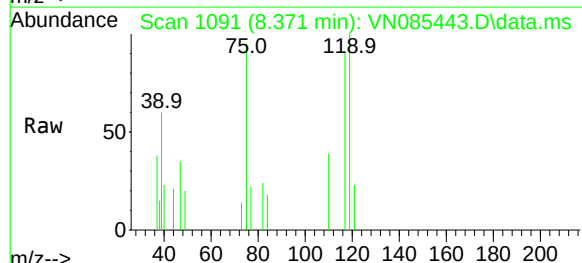
77 15.9 24.4 36.6#

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#37

Ethyl Acetate

Concen: 1.026 ug/l m

RT: 7.577 min Scan# 956

Delta R.T. 0.023 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

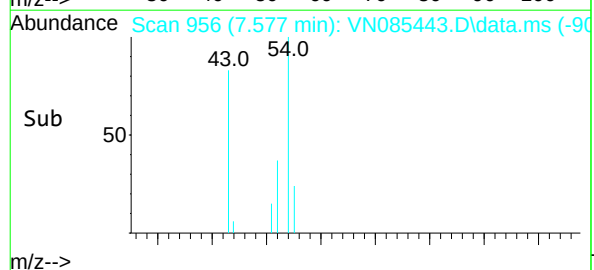
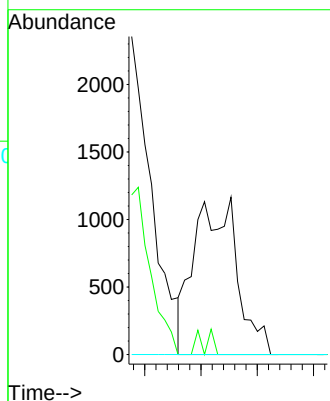
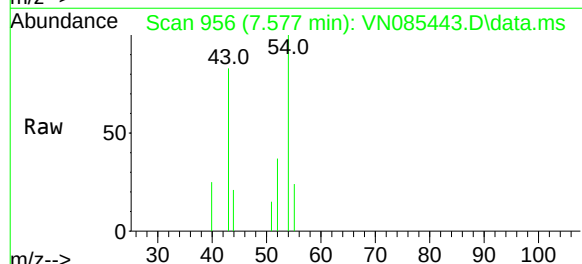
Tgt Ion: 43 Resp: 3056

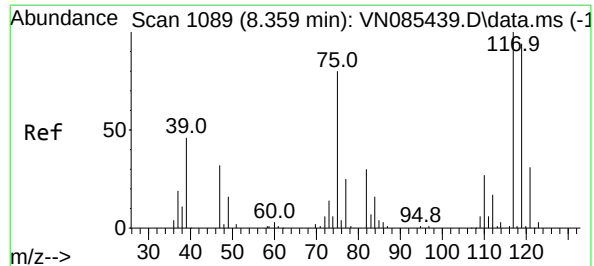
Ion Ratio Lower Upper

43 100

61 4.3 10.9 16.3#

70 0.0 7.5 11.3#





#38

Carbon Tetrachloride

Concen: 1.018 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 117 Resp: 3436

Ion Ratio Lower Upper

117 100

119 106.6 75.4 113.2

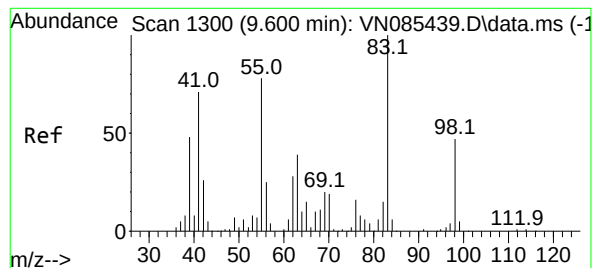
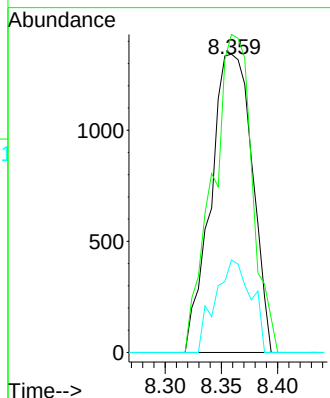
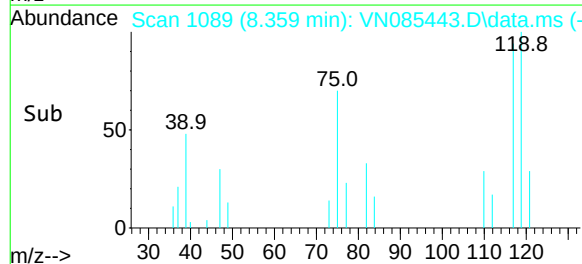
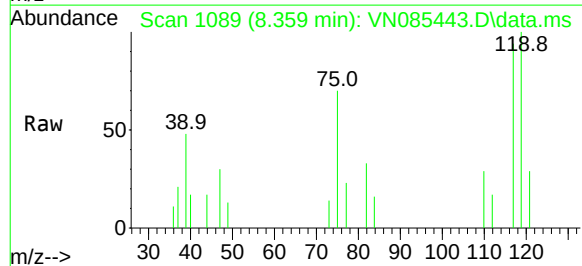
121 31.0 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#39

Methylcyclohexane

Concen: 0.867 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

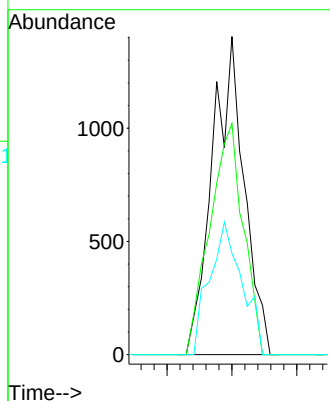
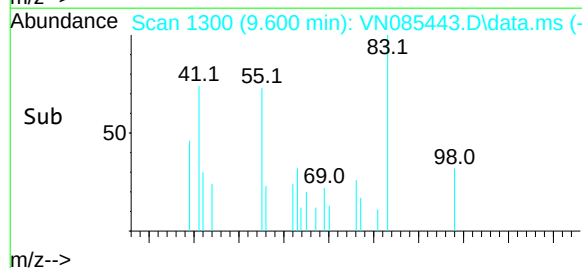
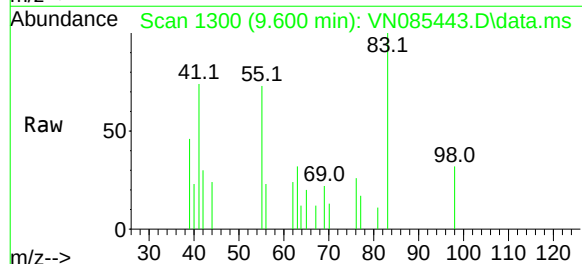
Tgt Ion: 83 Resp: 2403

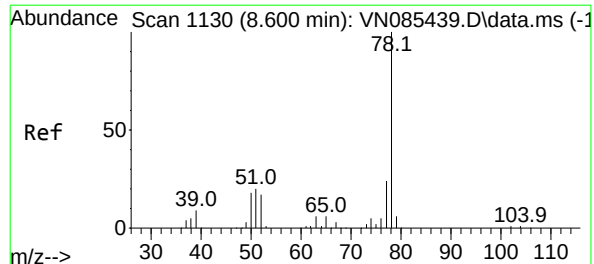
Ion Ratio Lower Upper

83 100

55 72.7 62.6 94.0

98 31.8 37.7 56.5#





#40

Benzene

Concen: 0.957 ug/l

RT: 8.606 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 8480

Ion Ratio Lower Upper

78 100

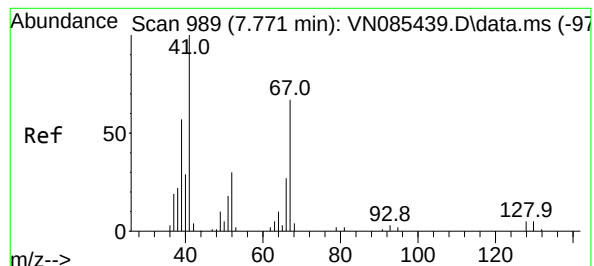
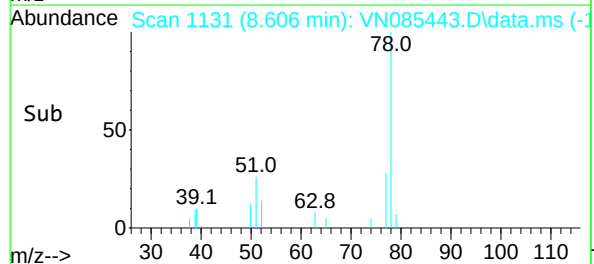
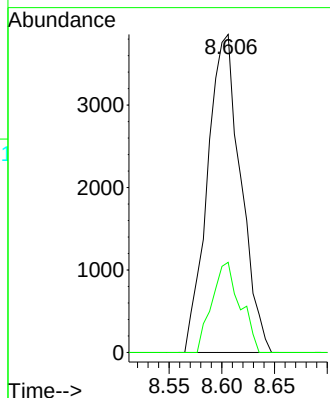
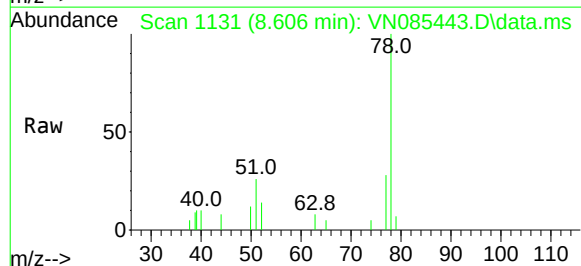
77 28.3 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#41

Methacrylonitrile

Concen: 0.941 ug/l

RT: 7.771 min Scan# 989

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt Ion: 41 Resp: 1458

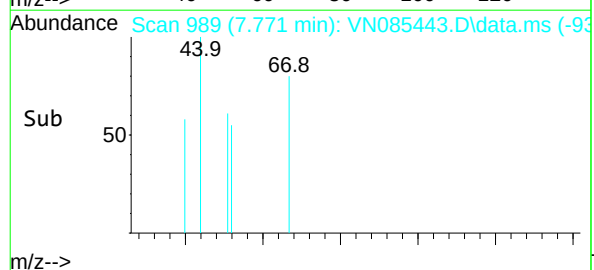
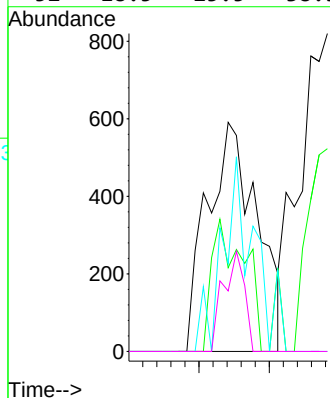
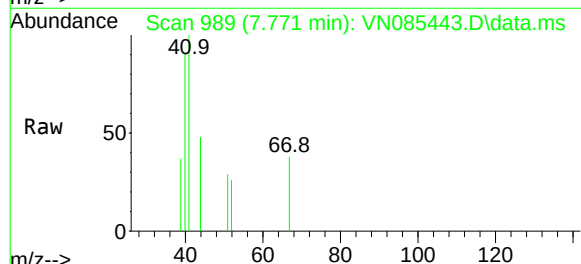
Ion Ratio Lower Upper

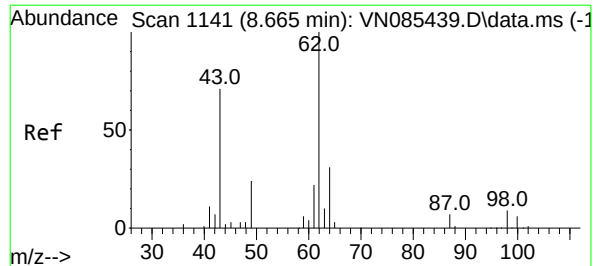
41 100

39 37.6 46.0 69.0#

67 53.8 57.4 86.2#

52 18.5 25.5 38.3#





#42

1,2-Dichloroethane

Concen: 0.938 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 3131

Ion Ratio Lower Upper

62 100

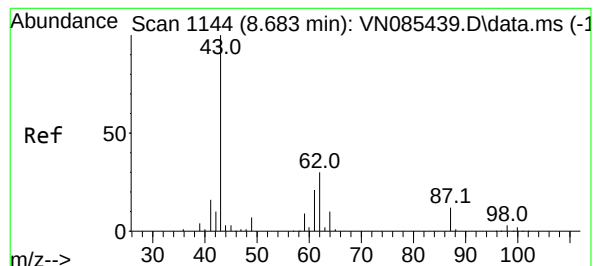
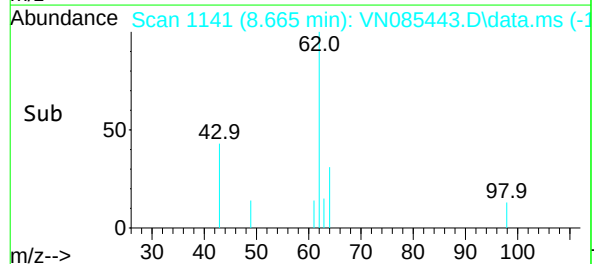
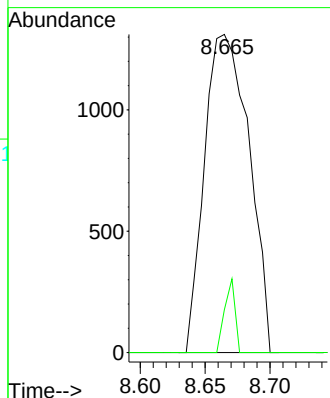
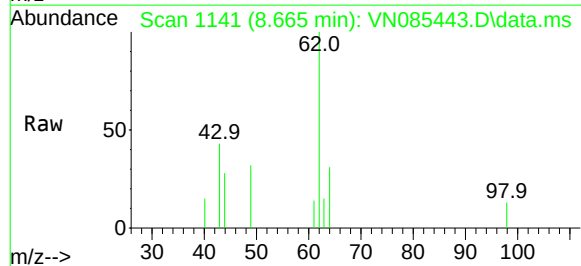
98 5.4 0.0 17.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#43

Isopropyl Acetate

Concen: 1.007 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

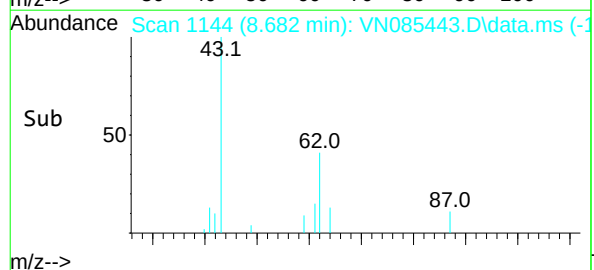
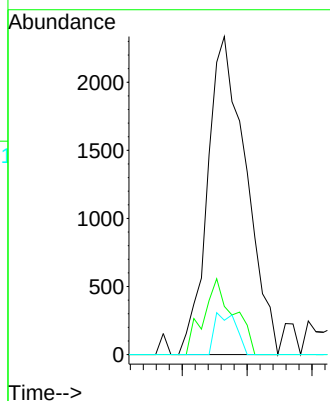
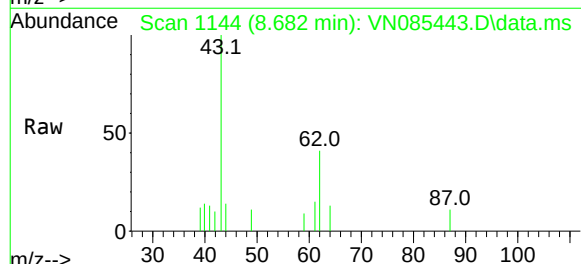
Tgt Ion: 43 Resp: 4803

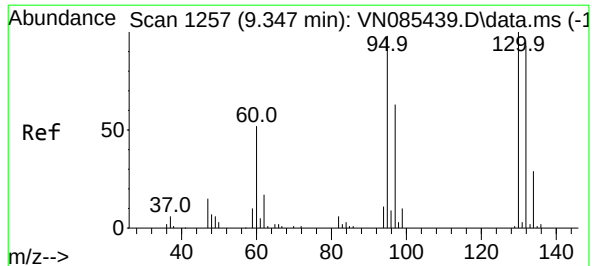
Ion Ratio Lower Upper

43 100

61 18.9 20.7 31.1#

87 7.3 9.8 14.8#





#44

Trichloroethene

Concen: 1.034 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN085443.D

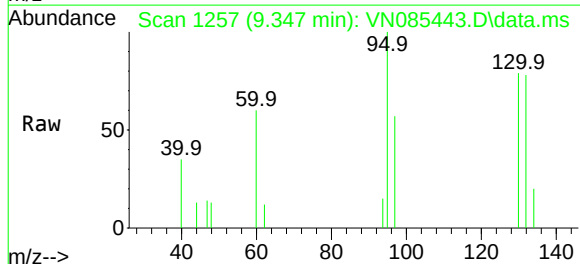
Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001



Tgt Ion:130 Resp: 2133

Ion Ratio Lower Upper

130 100

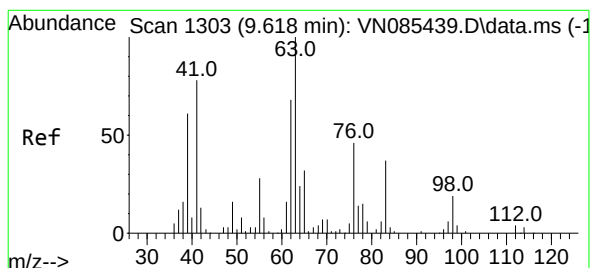
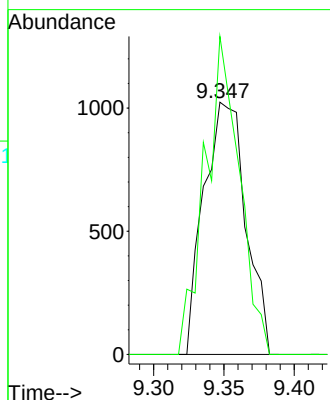
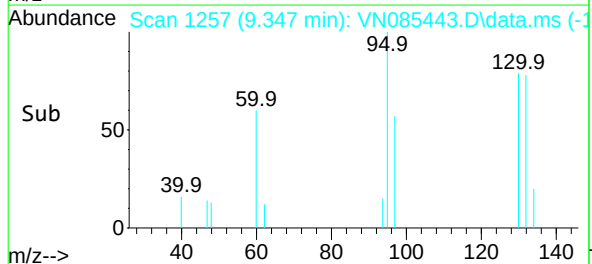
95 126.1 0.0 195.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#45

1,2-Dichloropropane

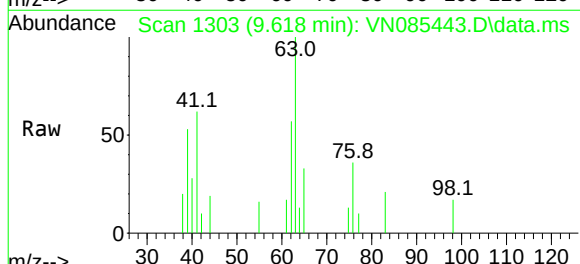
Concen: 0.992 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

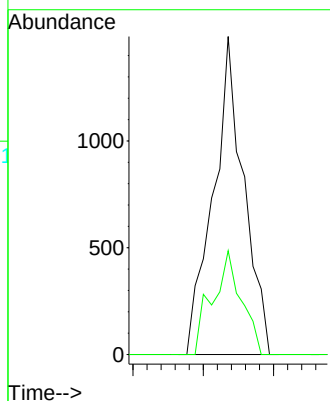
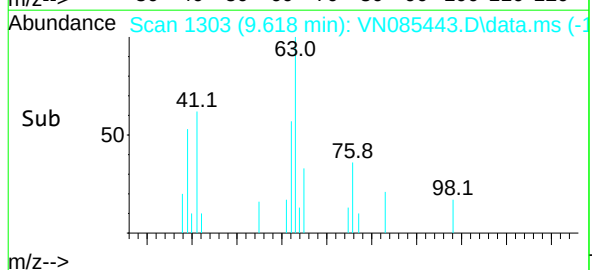


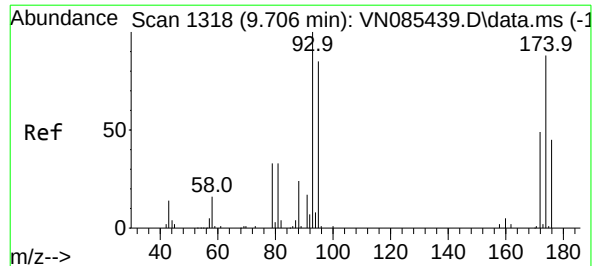
Tgt Ion: 63 Resp: 2246

Ion Ratio Lower Upper

63 100

65 32.6 25.6 38.4





#46

Dibromomethane

Concen: 1.083 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085443.D

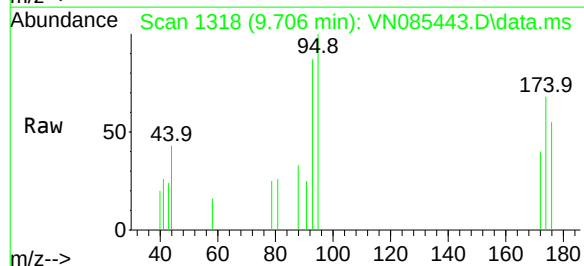
Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

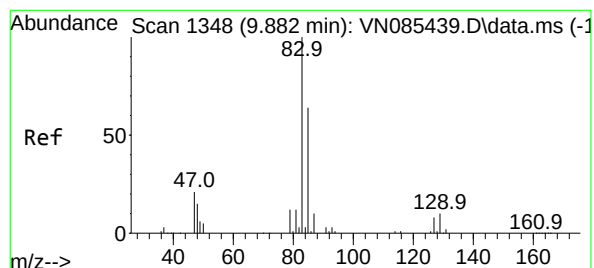
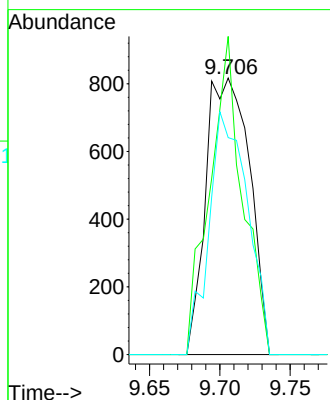
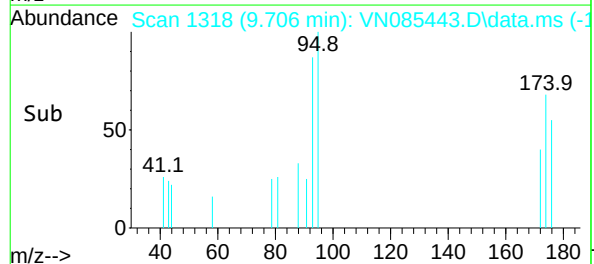
VSTDIC001



Tgt Ion:	93	Resp:	1769
Ion	Ratio	Lower	Upper
93	100		
95	86.5	64.7	97.1
174	77.4	69.0	103.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#47

Bromodichloromethane

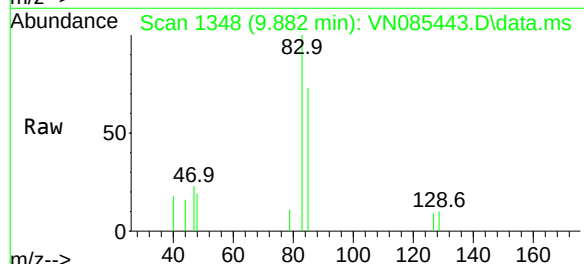
Concen: 0.882 ug/l

RT: 9.882 min Scan# 1348

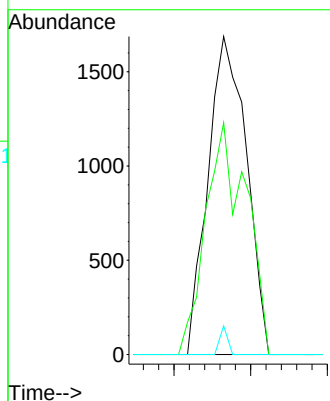
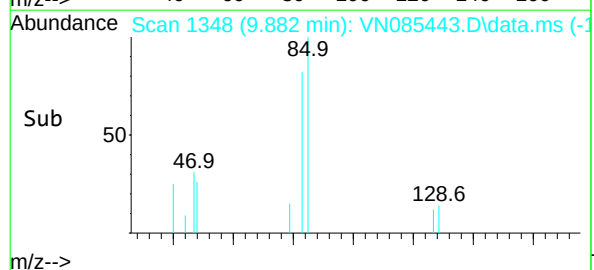
Delta R.T. 0.000 min

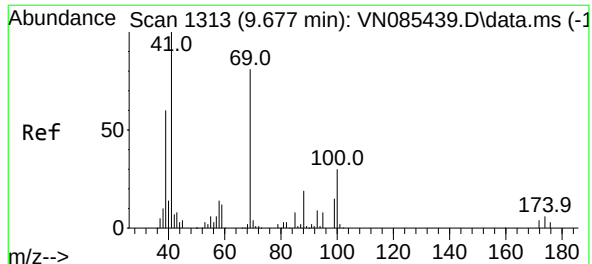
Lab File: VN085443.D

Acq: 14 Jan 2025 17:19



Tgt Ion:	83	Resp:	2935
Ion	Ratio	Lower	Upper
83	100		
85	72.9	51.2	76.8
127	9.0	6.5	9.7





#48

Methyl methacrylate

Concen: 0.878 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 1886

Ion Ratio Lower Upper

41 100

69 76.2 64.7 97.1

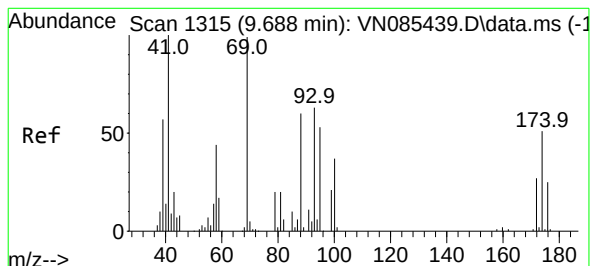
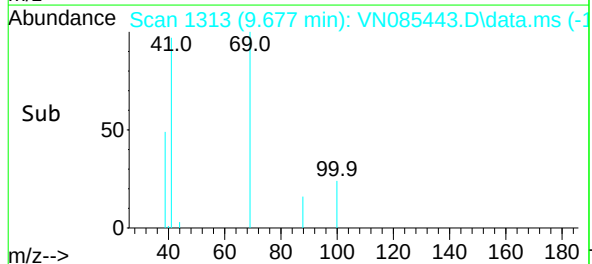
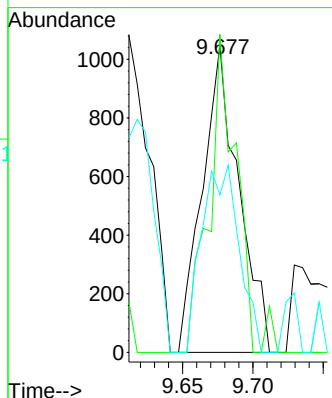
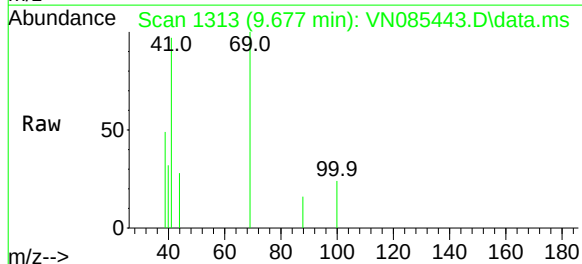
39 62.8 49.0 73.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#49

1,4-Dioxane

Concen: 18.616 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

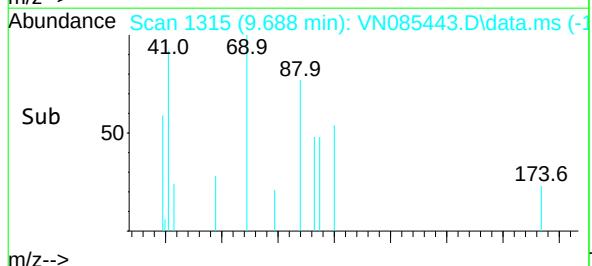
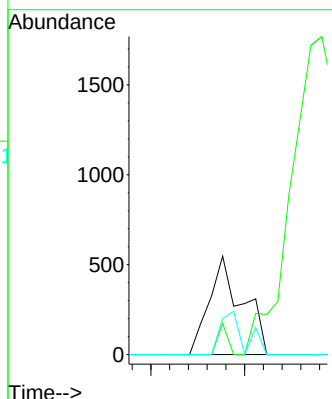
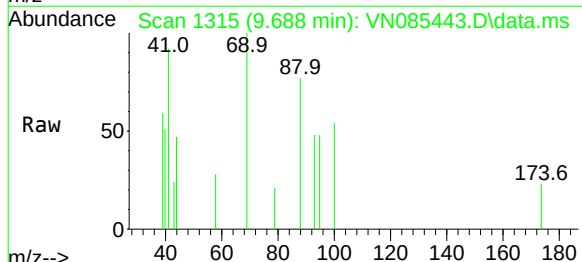
Tgt Ion: 88 Resp: 673

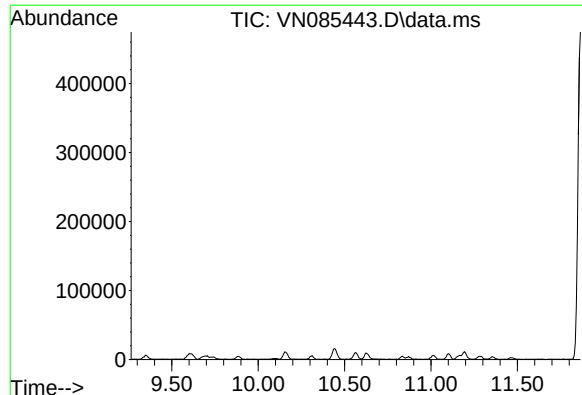
Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 31.1 59.5 89.3#





#50

Toluene-d8

Concen: 0.000 ug/l

Expected RT: 10.56 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt Ion: 98

Sig Exp Ratio

98 100

100 65.3

Instrument :

MSVOA_N

ClientSampleId :

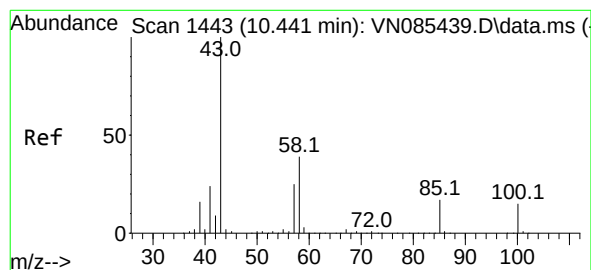
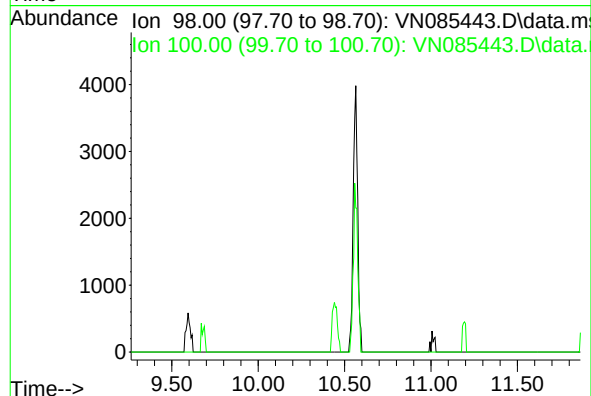
VSTDICC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#51

4-Methyl-2-Pentanone

Concen: 4.163 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN085443.D

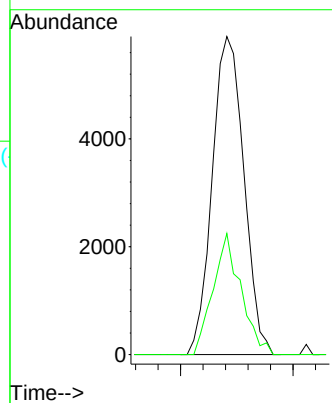
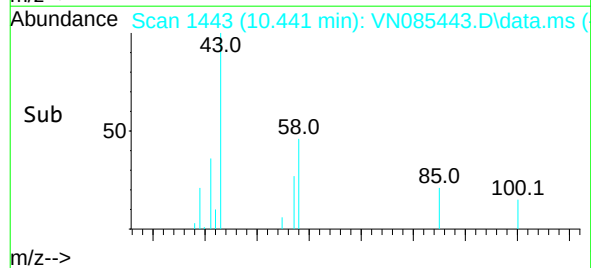
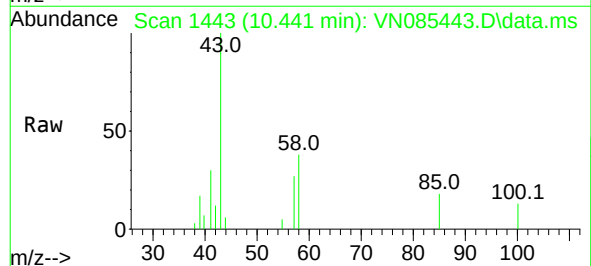
Acq: 14 Jan 2025 17:19

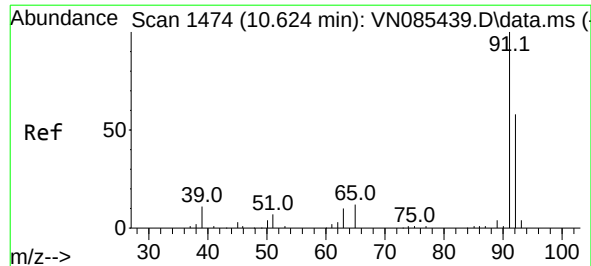
Tgt Ion: 43 Resp: 11523

Ion Ratio Lower Upper

43 100

58 33.6 30.5 45.7





#52

Toluene

Concen: 0.814 ug/l

RT: 10.618 min Scan# 1473

Delta R.T. -0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 92 Resp: 4180

Ion Ratio Lower Upper

92 100

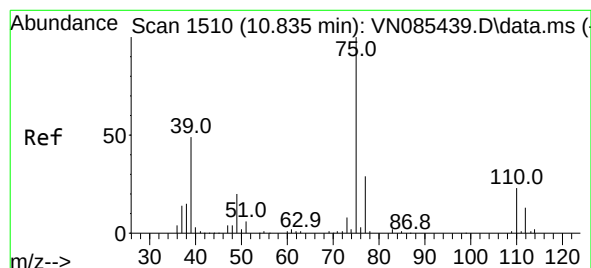
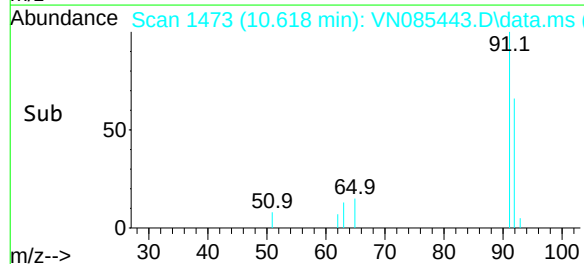
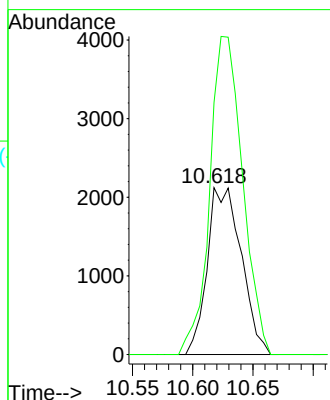
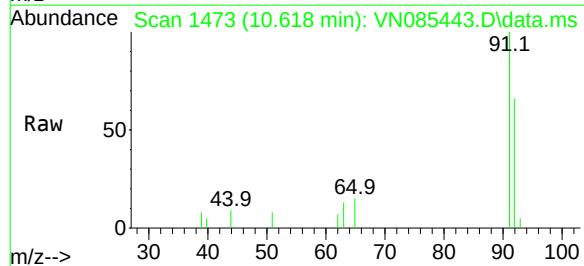
91 183.9 139.2 208.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#53

t-1,3-Dichloropropene

Concen: 0.802 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. -0.000 min

Lab File: VN085443.D

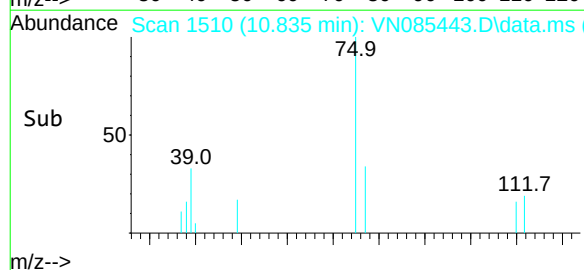
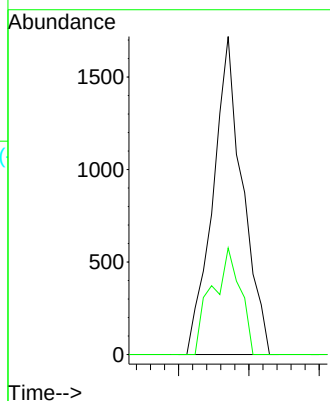
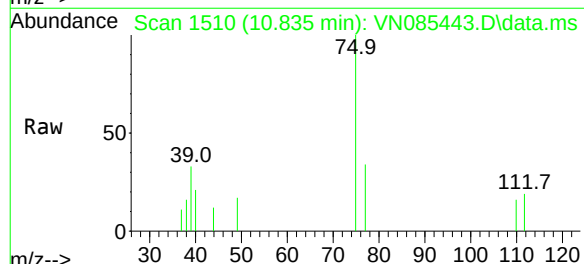
Acq: 14 Jan 2025 17:19

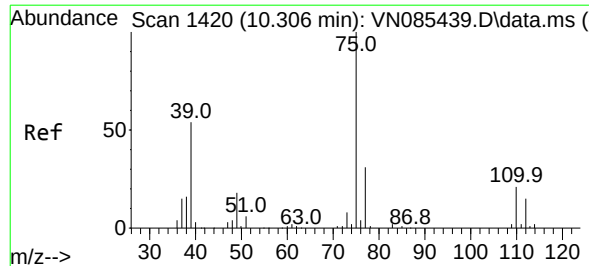
Tgt Ion: 75 Resp: 2522

Ion Ratio Lower Upper

75 100

77 33.5 23.5 35.3





#54

cis-1,3-Dichloropropene

Concen: 0.811 ug/l

RT: 10.312 min Scan# 14

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 2725

Ion Ratio Lower Upper

75 100

77 39.0 25.0 37.4#

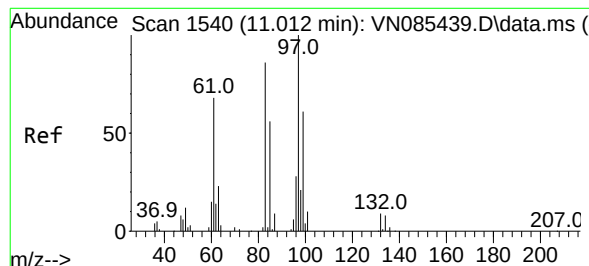
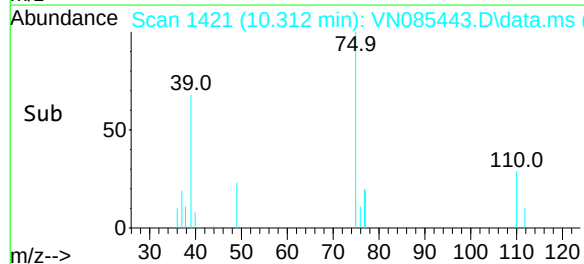
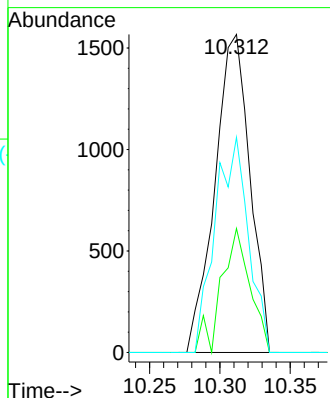
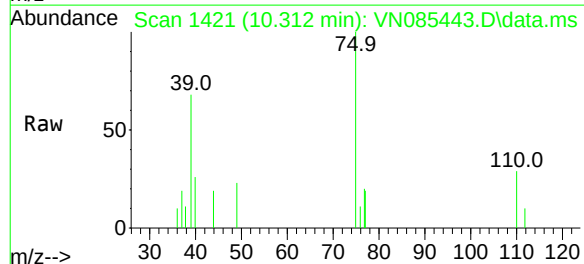
39 67.6 43.1 64.7#

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#55

1,1,2-Trichloroethane

Concen: 0.935 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt Ion: 97 Resp: 1901

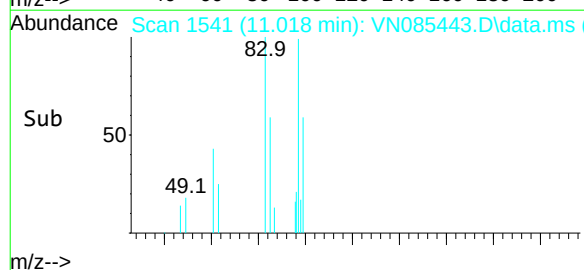
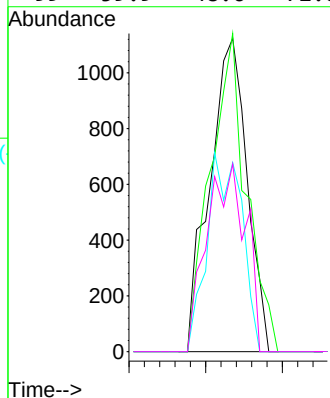
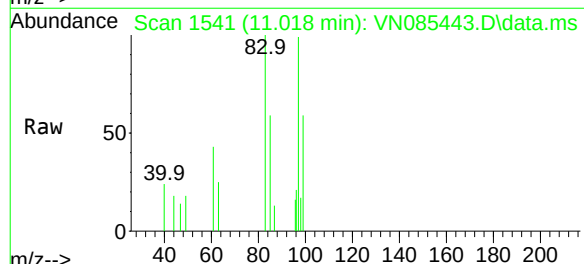
Ion Ratio Lower Upper

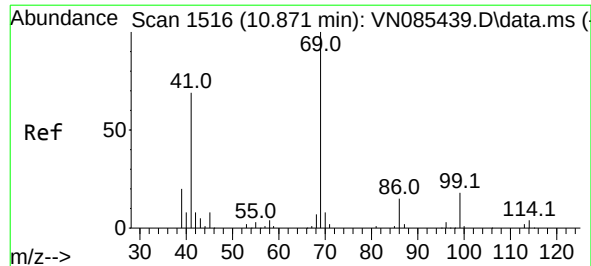
97 100

83 101.5 69.0 103.6

85 60.3 44.6 66.8

99 59.9 48.6 72.8





#56

Ethyl methacrylate

Concen: 2.471 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 69 Resp: 1923

Ion Ratio Lower Upper

69 100

41 74.4 54.6 82.0

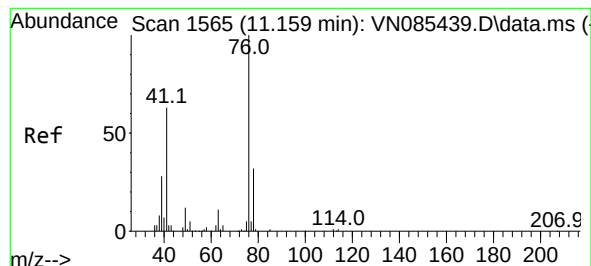
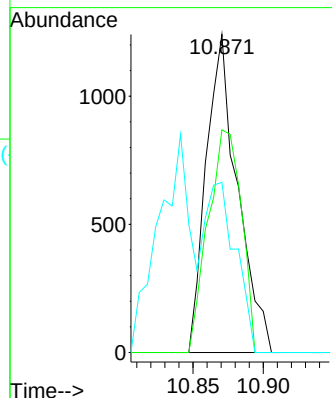
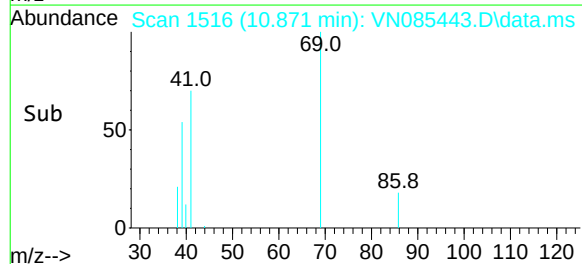
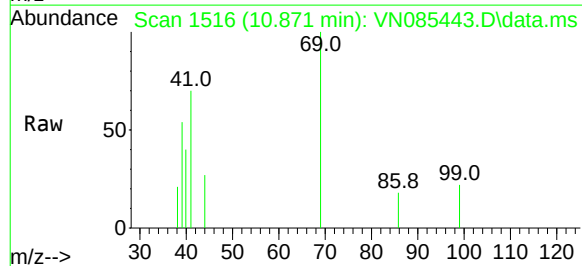
39 52.4 32.4 48.6#

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#57

1,3-Dichloropropane

Concen: 0.881 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.006 min

Lab File: VN085443.D

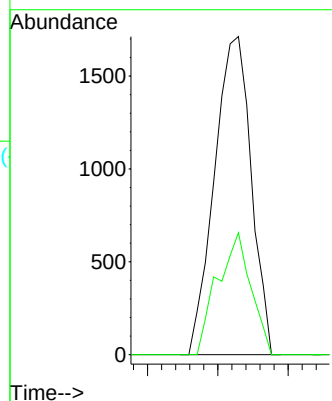
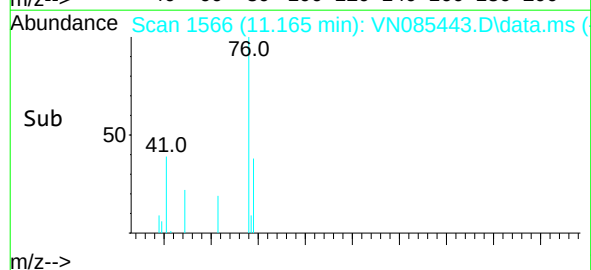
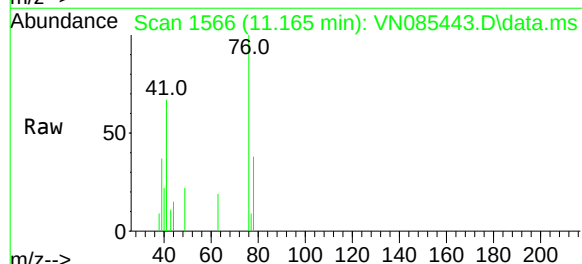
Acq: 14 Jan 2025 17:19

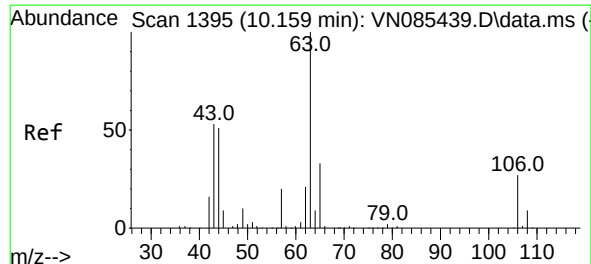
Tgt Ion: 76 Resp: 3113

Ion Ratio Lower Upper

76 100

78 34.9 25.6 38.4





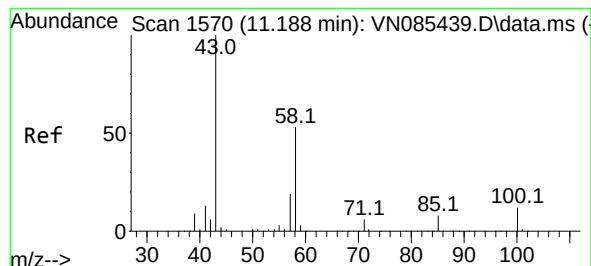
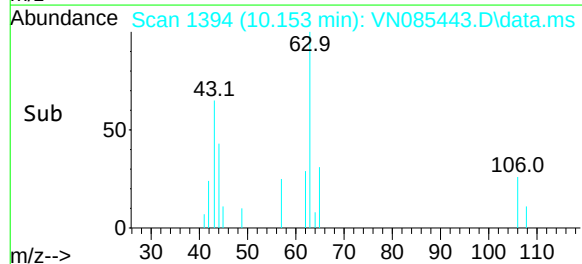
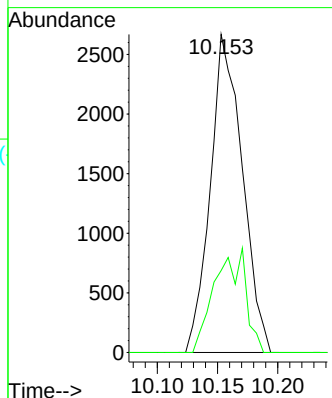
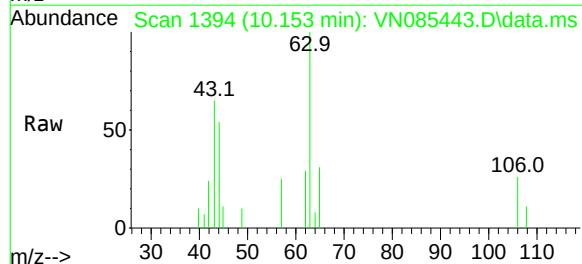
#58
2-Chloroethyl Vinyl ether
Concen: 3.822 ug/l
RT: 10.153 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 63 Resp: 4929
Ion Ratio Lower Upper
63 100
106 31.7 21.6 32.4

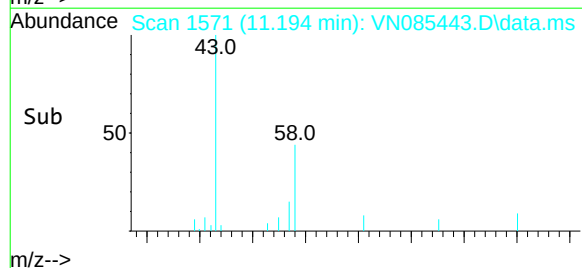
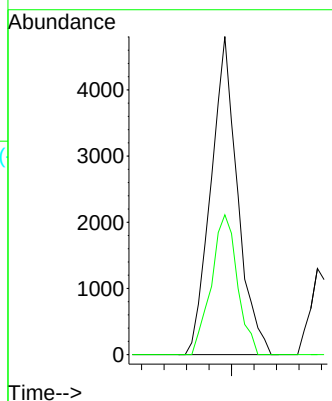
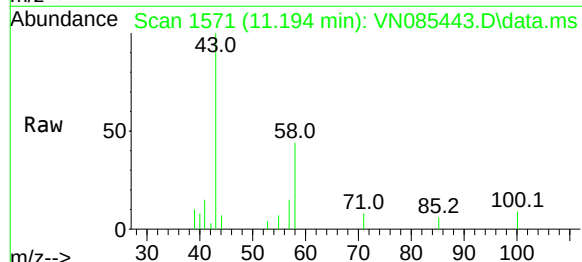
Manual Integrations
APPROVED

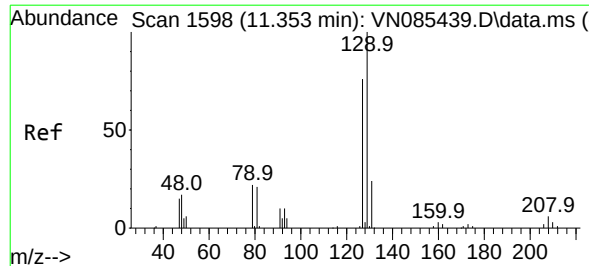
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#59
2-Hexanone
Concen: 4.058 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 7905
Ion Ratio Lower Upper
43 100
58 42.9 26.2 78.6





#60

Dibromochloromethane

Concen: 0.953 ug/l

RT: 11.359 min Scan# 1598

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt Ion:129 Resp: 2339

Ion Ratio Lower Upper

129 100

127 78.9 38.6 115.8

Instrument :

MSVOA_N

ClientSampleId :

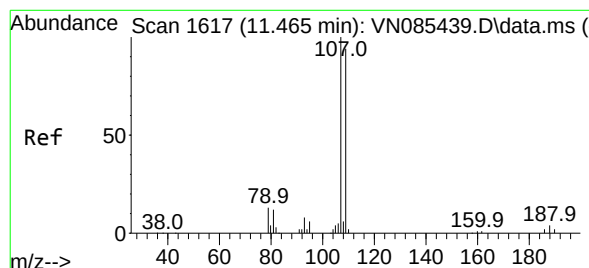
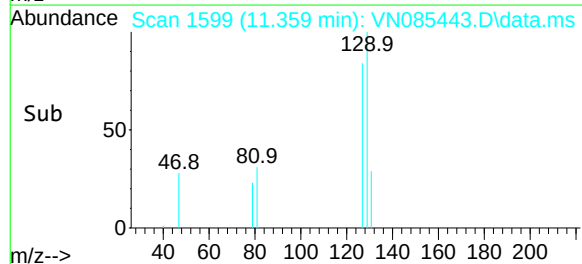
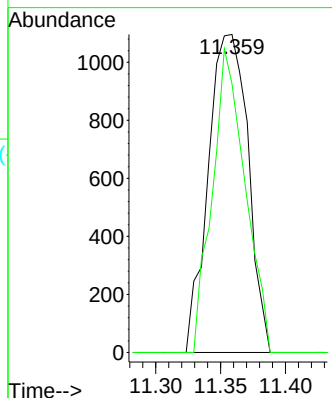
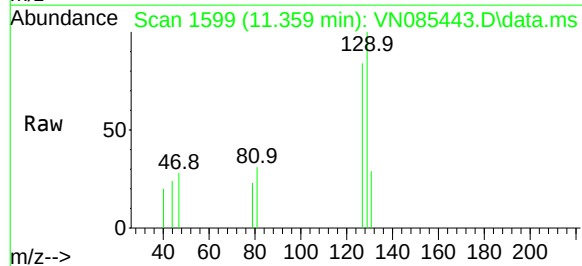
VSTDIC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#61

1,2-Dibromoethane

Concen: 1.000 ug/l

RT: 11.465 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VN085443.D

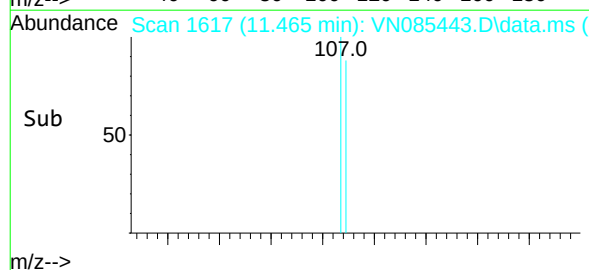
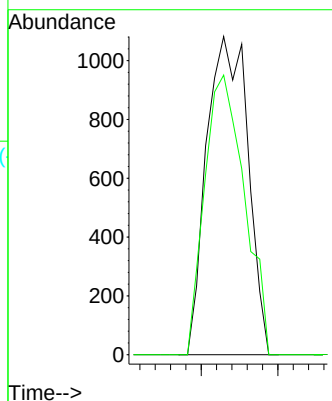
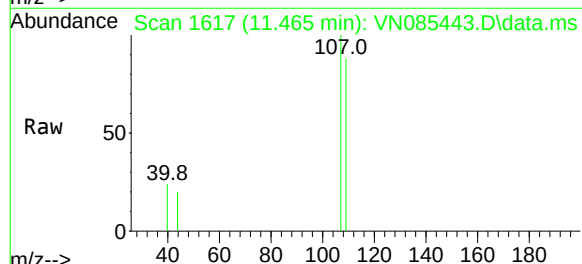
Acq: 14 Jan 2025 17:19

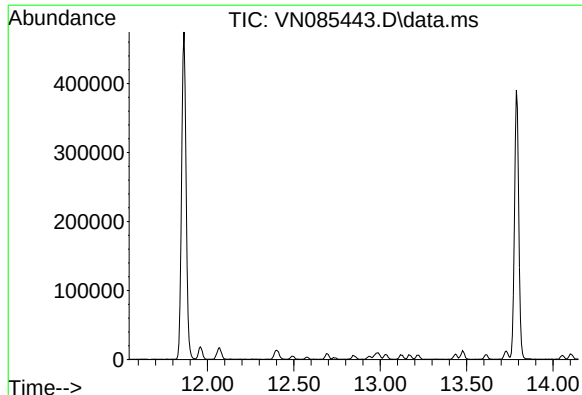
Tgt Ion:107 Resp: 2022

Ion Ratio Lower Upper

107 100

109 84.8 75.9 113.9





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.85 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt Ion: 95

Sig Exp Ratio

95 100

174 72.5

176 71.2

Instrument :

MSVOA_N

ClientSampleId :

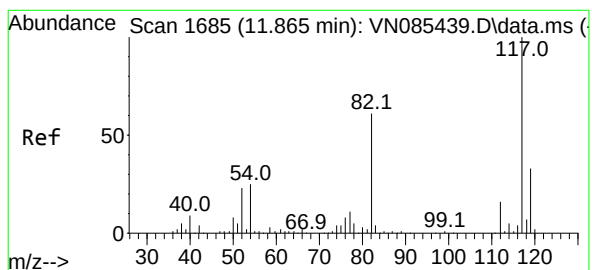
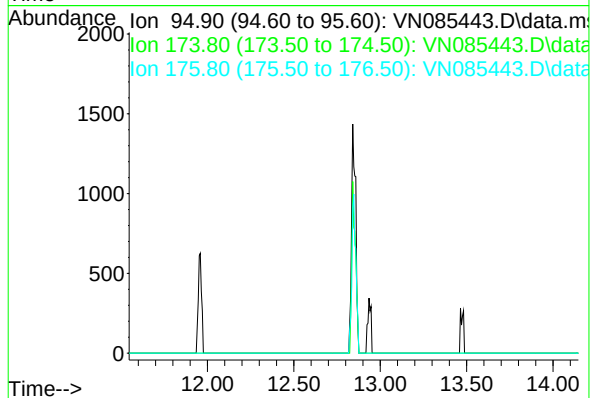
VSTDICC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

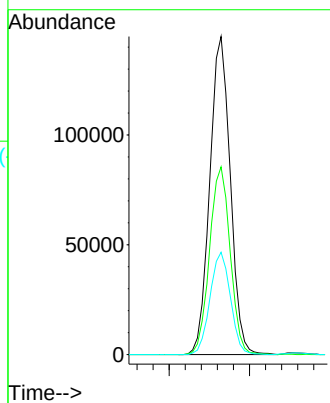
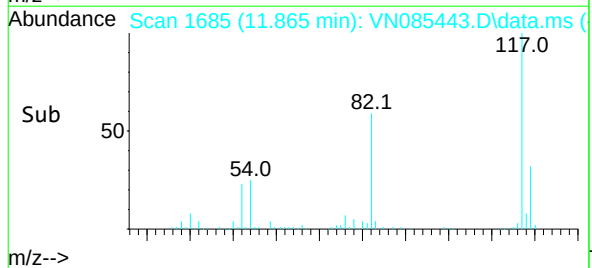
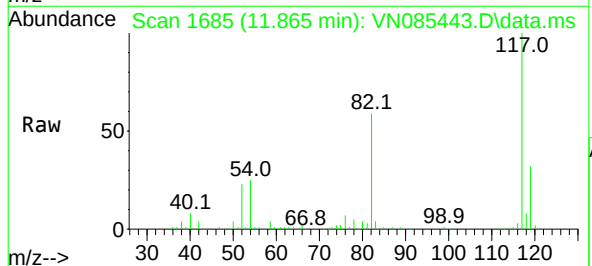
Tgt Ion:117 Resp: 256851

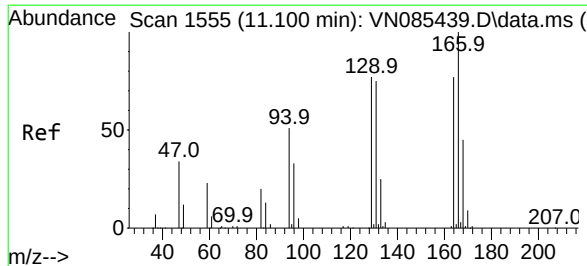
Ion Ratio Lower Upper

117 100

82 59.0 48.6 72.8

119 32.2 26.6 39.8





#64

Tetrachloroethene

Concen: 0.947 ug/l

RT: 11.106 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN085443.D

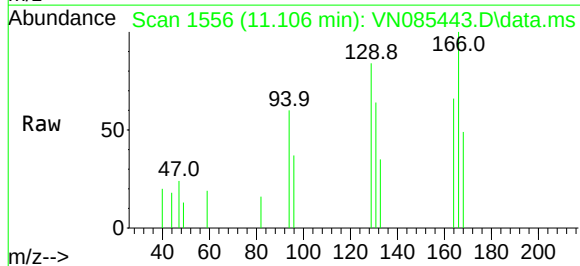
Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001



Tgt Ion:164 Resp: 1658

Ion Ratio Lower Upper

164 100

166 152.1 103.4 155.2

129 128.3 79.2 118.8#

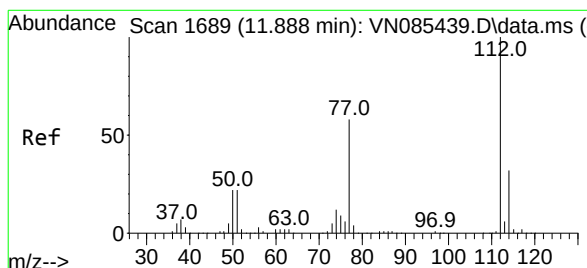
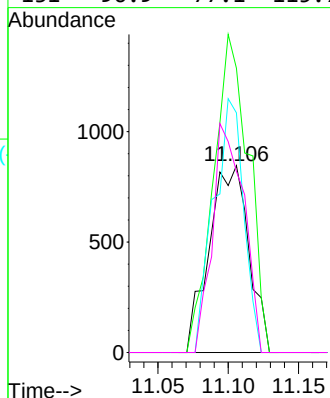
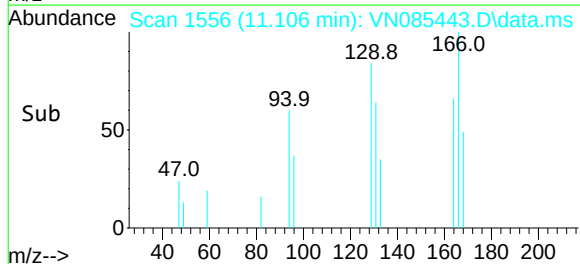
131 96.9 77.1 115.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#65

Chlorobenzene

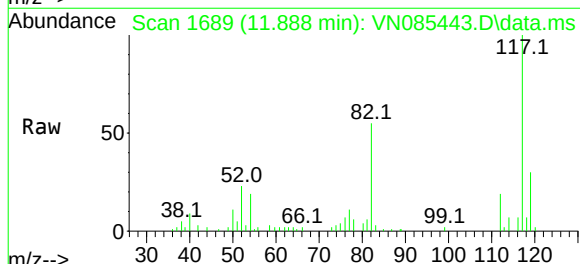
Concen: 0.960 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

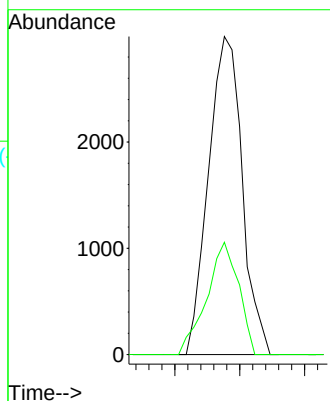
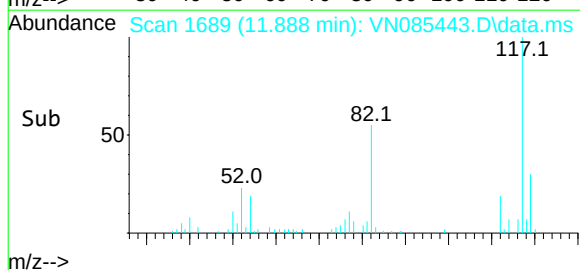


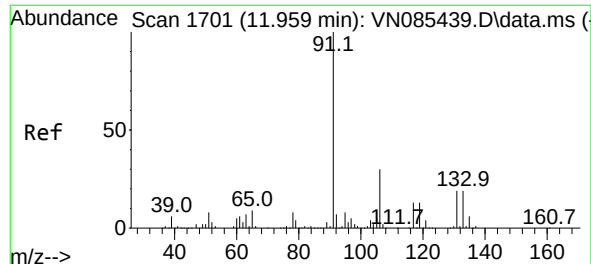
Tgt Ion:112 Resp: 5401

Ion Ratio Lower Upper

112 100

114 35.3 25.3 37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 1.058 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

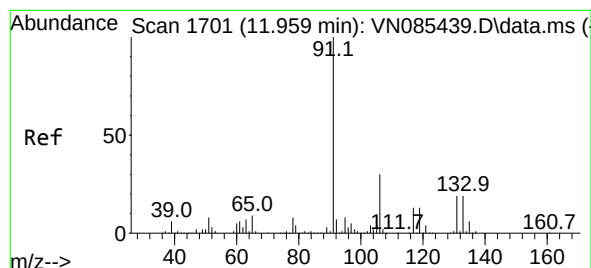
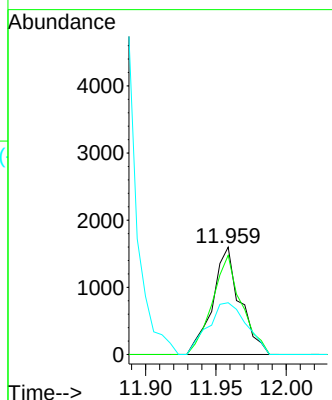
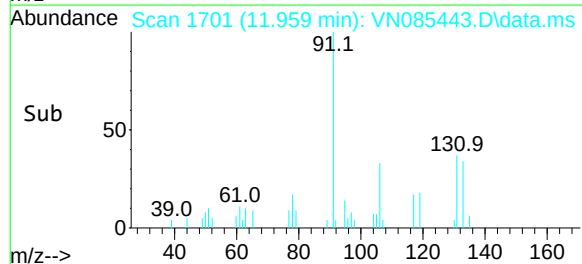
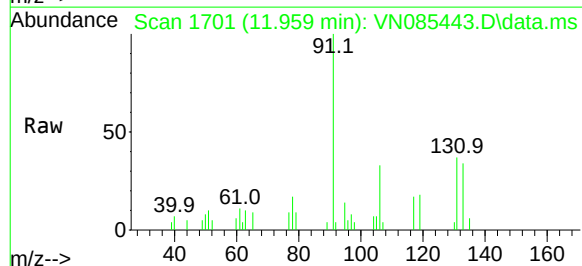
Tgt Ion:	131	Resp:	2185
Ion Ratio	Lower	Upper	
131	100		
133	97.7	47.4	142.3
119	0.0	33.1	99.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#67

Ethyl Benzene

Concen: 0.802 ug/l

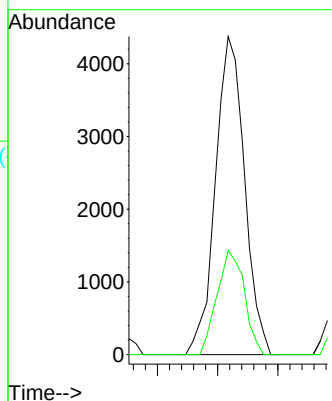
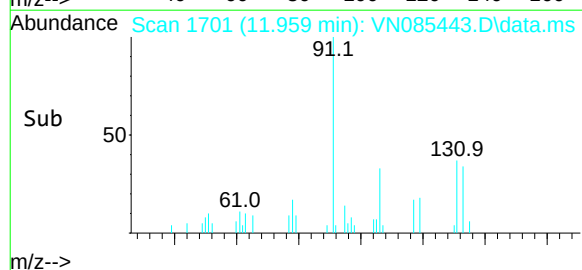
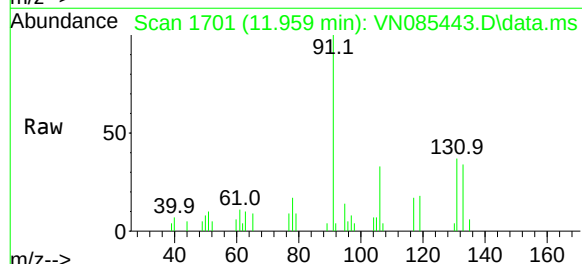
RT: 11.959 min Scan# 1701

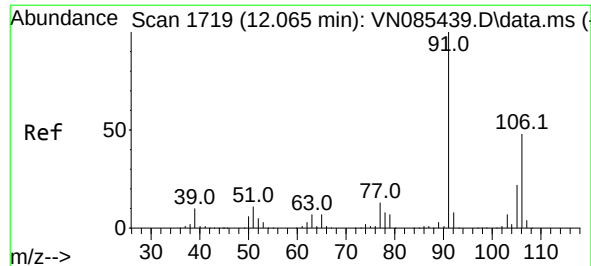
Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt Ion:	91	Resp:	7347
Ion Ratio	Lower	Upper	
91	100		
106	32.8	23.8	35.8





#68

m/p-Xylenes

Concen: 1.494 ug/l

RT: 12.070 min Scan# 1719

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:106 Resp: 5059

Ion Ratio Lower Upper

106 100

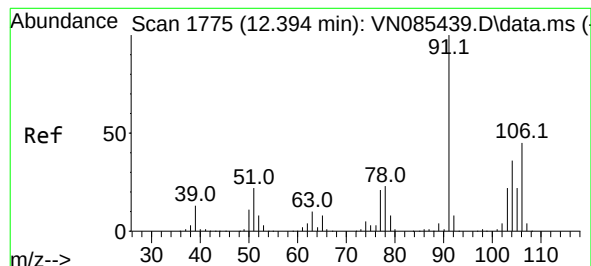
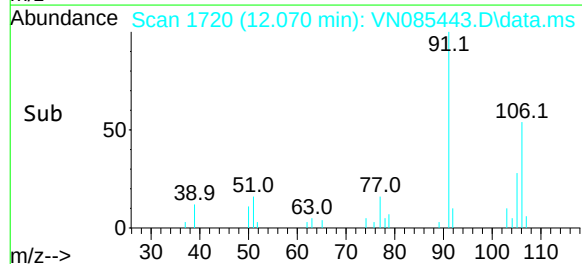
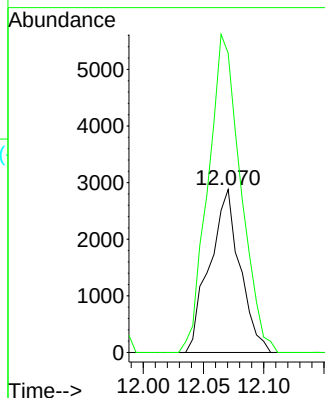
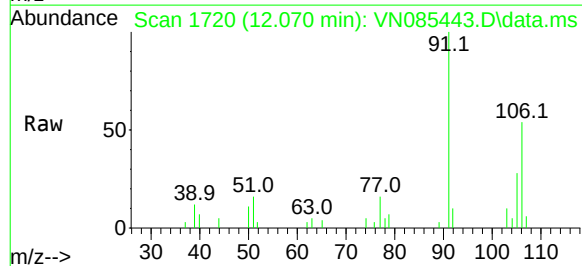
91 209.3 167.7 251.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#69

o-Xylene

Concen: 0.766 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085443.D

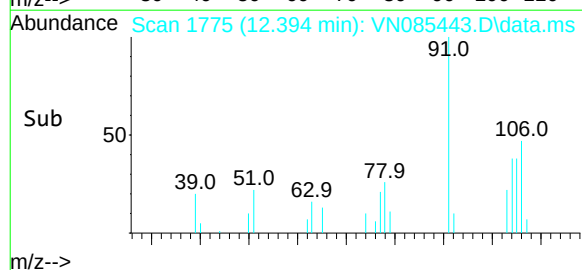
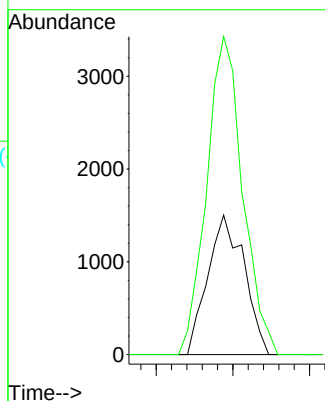
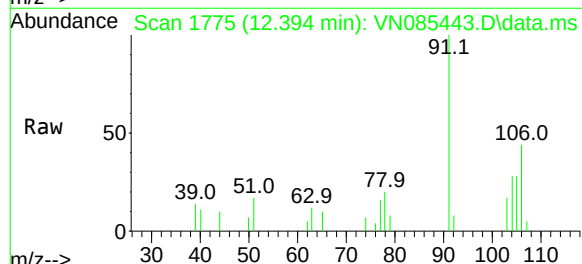
Acq: 14 Jan 2025 17:19

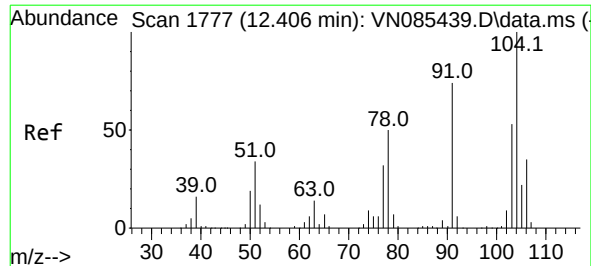
Tgt Ion:106 Resp: 2478

Ion Ratio Lower Upper

106 100

91 225.4 110.4 331.2





#70

Styrene

Concen: 0.712 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

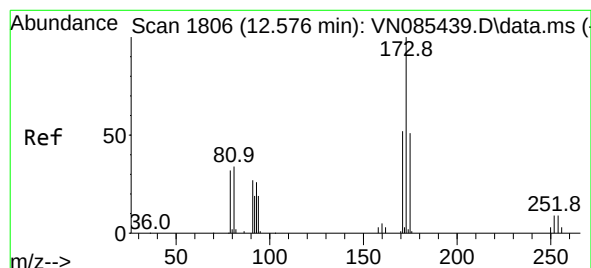
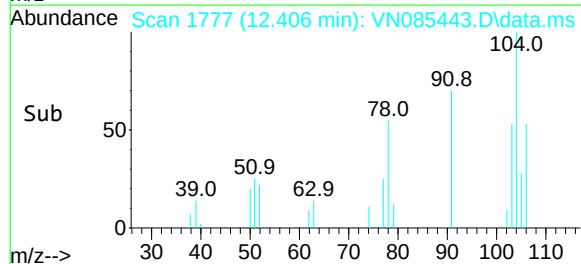
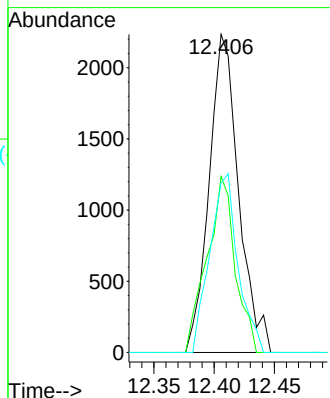
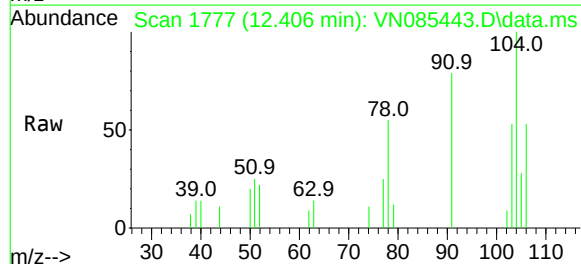
VSTDIC001

Tgt Ion:	104	Resp:	3812
Ion Ratio	Lower	Upper	
104	100		
78	52.9	42.5	63.7
103	53.7	43.8	65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#71

Bromoform

Concen: 0.818 ug/l

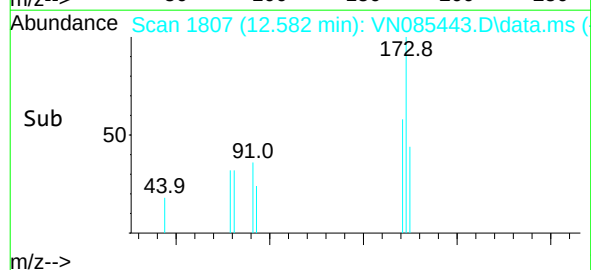
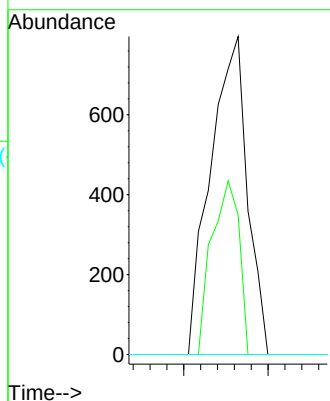
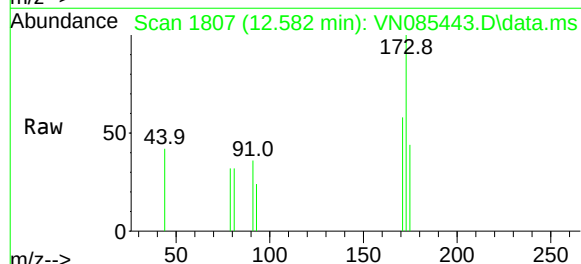
RT: 12.582 min Scan# 1807

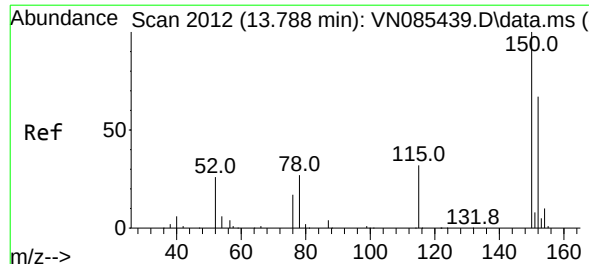
Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt Ion:	173	Resp:	1208
Ion Ratio	Lower	Upper	
173	100		
175	40.7	24.4	73.2
254	0.0	0.0	0.0





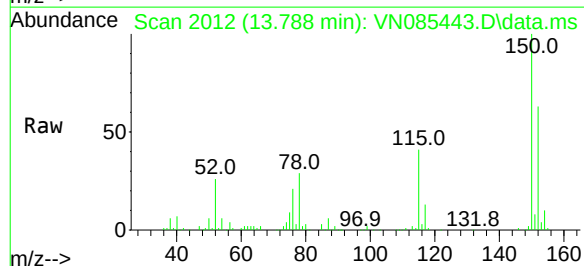
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

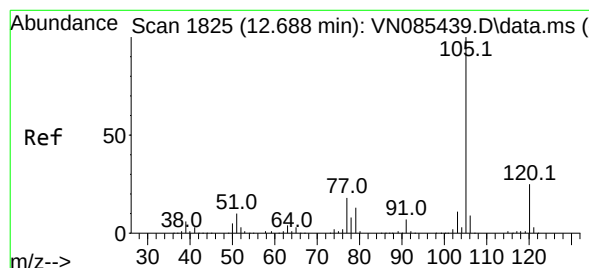
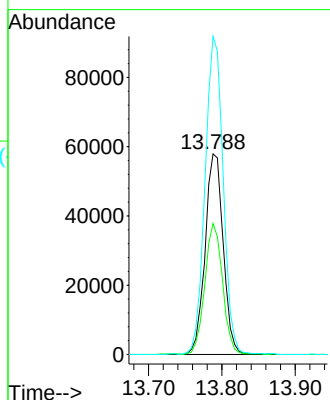
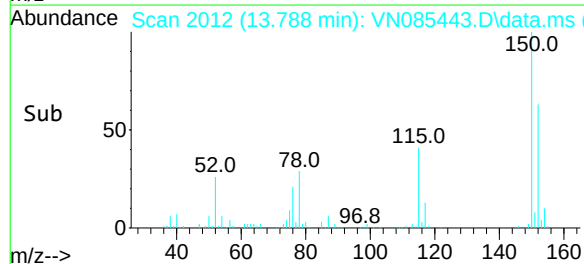
VSTDIC001



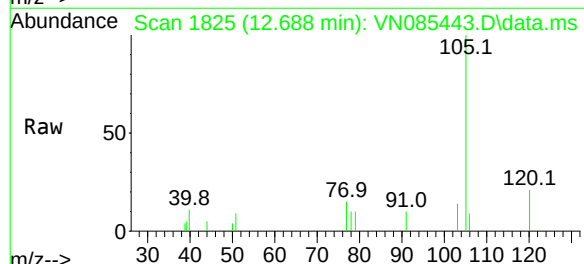
Tgt Ion:152 Resp: 99539
Ion Ratio Lower Upper
152 100
115 63.8 31.1 93.3
150 158.5 0.0 343.6

Manual Integrations
APPROVED

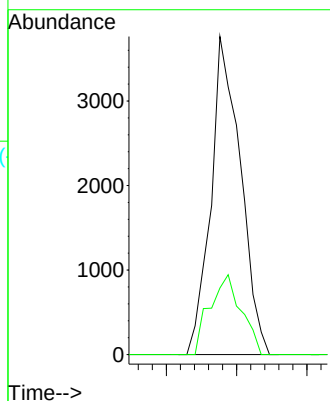
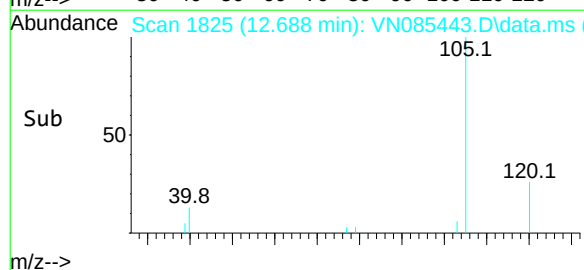
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

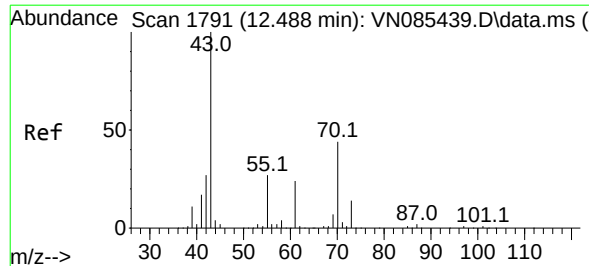


#73
Isopropylbenzene
Concen: 0.820 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19



Tgt Ion:105 Resp: 5506
Ion Ratio Lower Upper
105 100
120 26.7 12.8 38.3





#74

N-amy1 acetate

Concen: 0.899 ug/l

RT: 12.494 min Scan# 1791

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 2716

Ion Ratio Lower Upper

43 100

70 30.4 34.0 51.0#

55 24.2 21.4 32.2

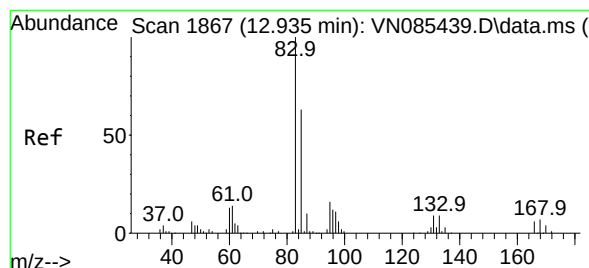
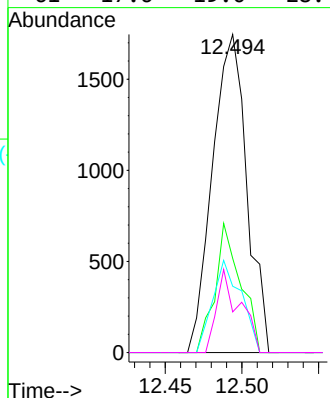
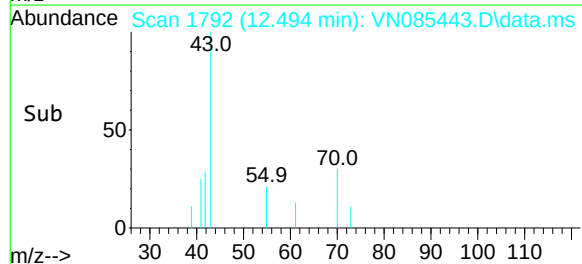
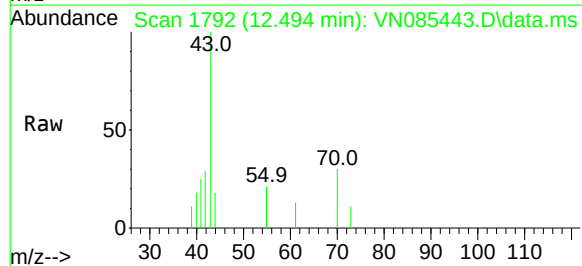
61 17.6 19.0 28.4#

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#75

1,1,2,2-Tetrachloroethane

Concen: 1.102 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

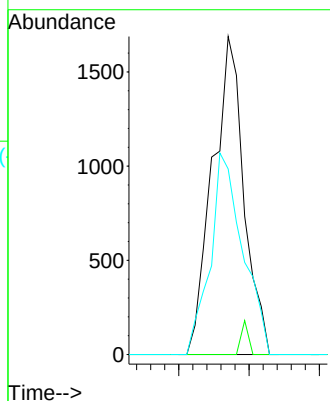
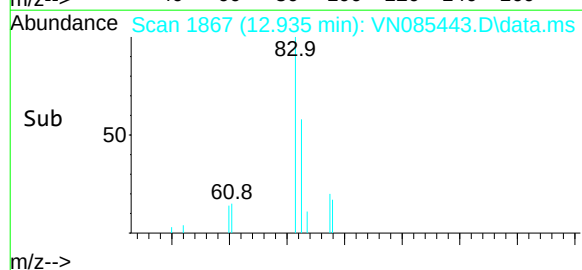
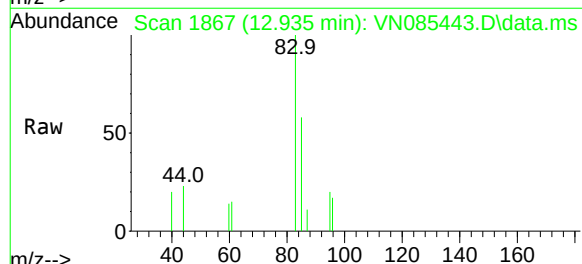
Tgt Ion: 83 Resp: 2616

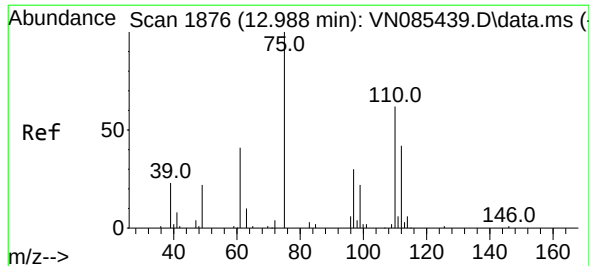
Ion Ratio Lower Upper

83 100

131 2.4 4.8 14.4#

85 65.7 32.2 96.6





#76

1,2,3-Trichloropropane

Concen: 1.088 ug/l m

RT: 12.982 min Scan# 18

Delta R.T. -0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 2198

Ion Ratio Lower Upper

75 100

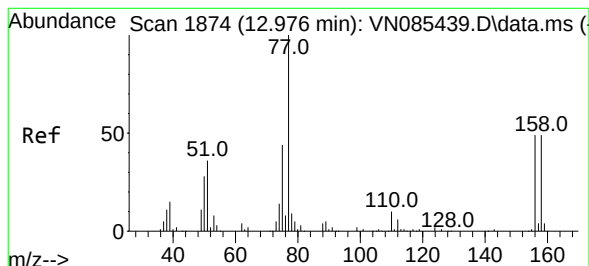
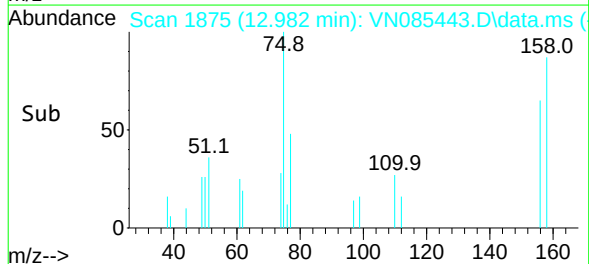
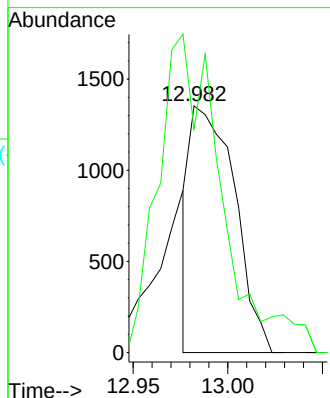
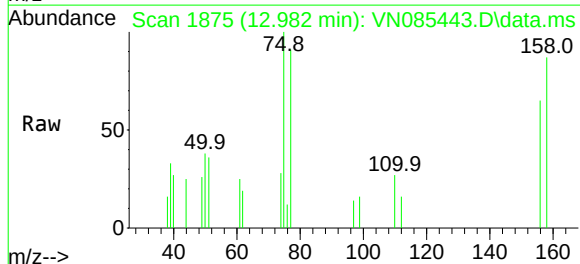
77 184.2 109.7 329.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#77

Bromobenzene

Concen: 0.987 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

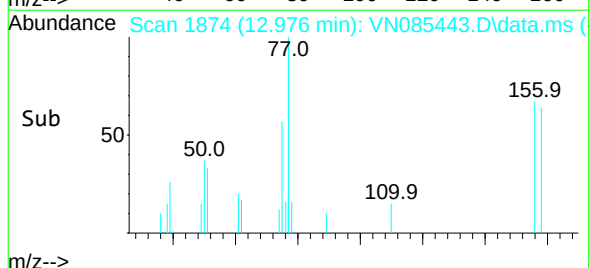
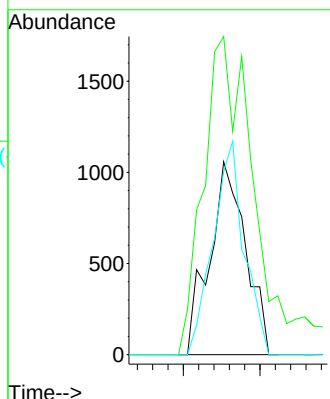
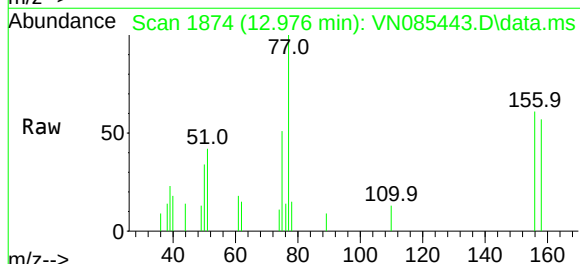
Tgt Ion:156 Resp: 1733

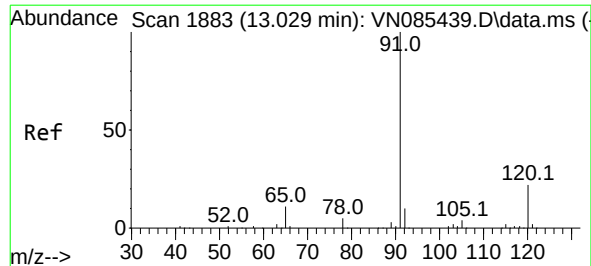
Ion Ratio Lower Upper

156 100

77 233.6 114.1 342.4

158 94.9 48.9 146.8





#78

n-propylbenzene

Concen: 0.808 ug/l

RT: 13.029 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 6424

Ion Ratio Lower Upper

91 100

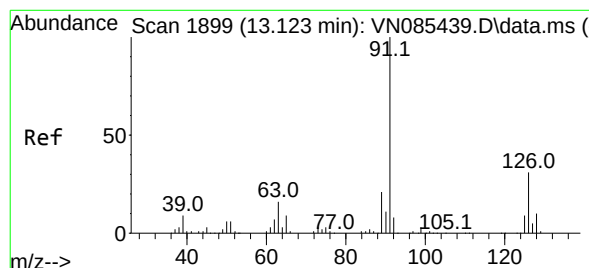
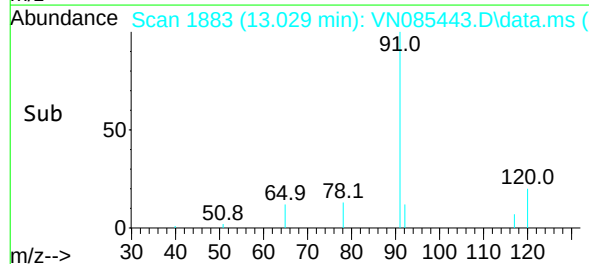
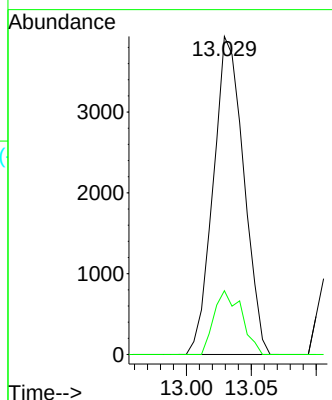
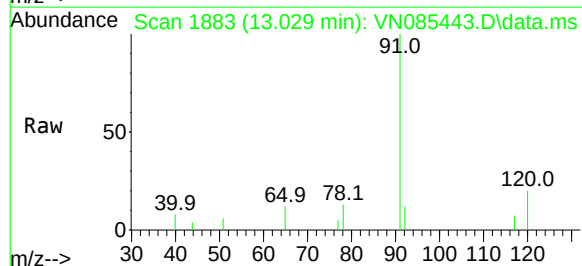
120 18.2 10.9 32.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#79

2-Chlorotoluene

Concen: 0.871 ug/l

RT: 13.117 min Scan# 1898

Delta R.T. -0.006 min

Lab File: VN085443.D

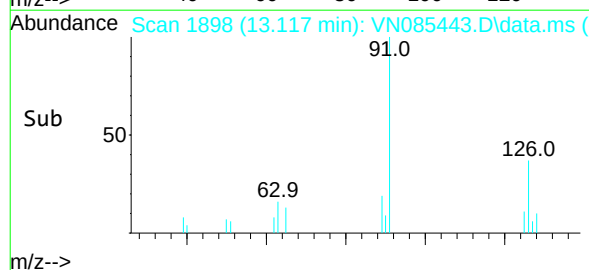
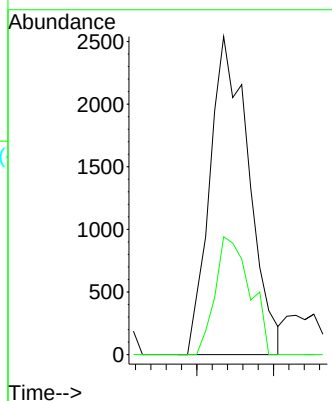
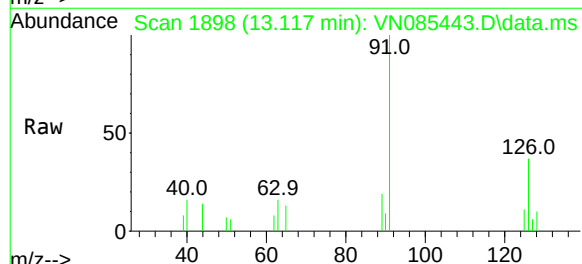
Acq: 14 Jan 2025 17:19

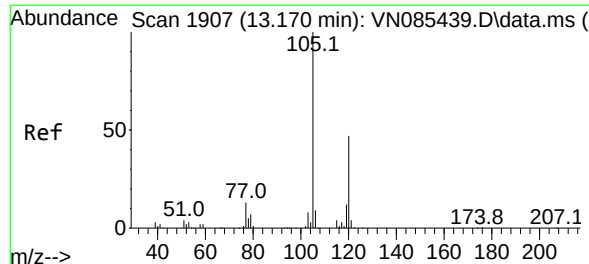
Tgt Ion: 91 Resp: 4483

Ion Ratio Lower Upper

91 100

126 32.9 15.7 47.1





#80

1,3,5-Trimethylbenzene

Concen: 0.775 ug/l

RT: 13.165 min Scan# 19

Delta R.T. -0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 105 Resp: 4301

Ion Ratio Lower Upper

105 100

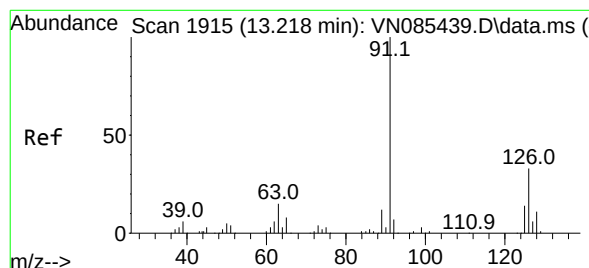
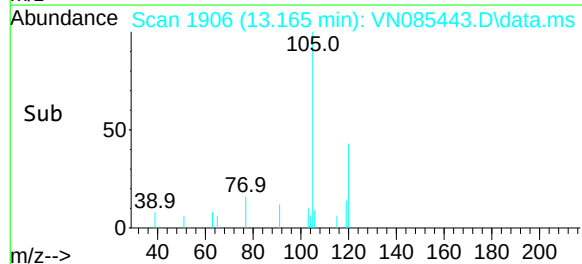
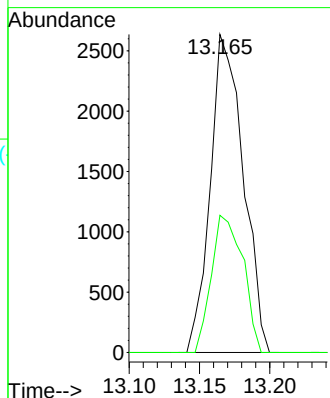
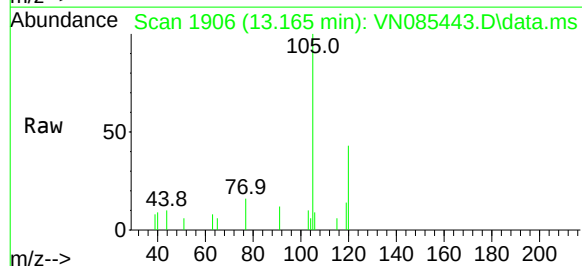
120 41.2 23.9 71.7

Manual Integrations

APPROVED

Reviewed By : John Carlone 01/15/2025

Supervised By : Mahesh Dadoda 01/15/2025



#82

4-Chlorotoluene

Concen: 0.833 ug/l

RT: 13.223 min Scan# 1916

Delta R.T. 0.006 min

Lab File: VN085443.D

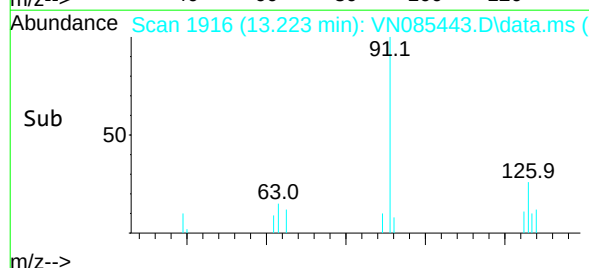
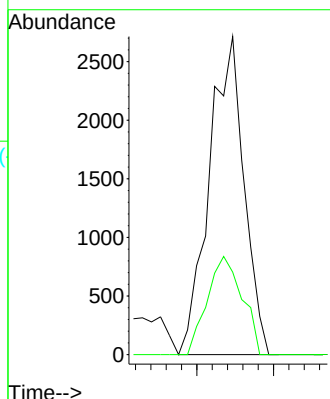
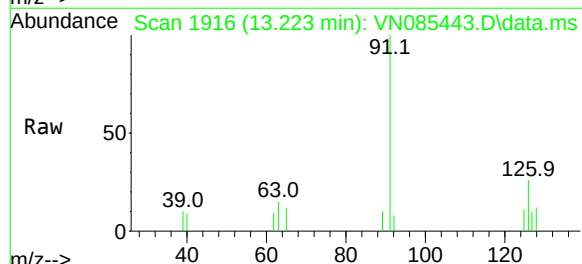
Acq: 14 Jan 2025 17:19

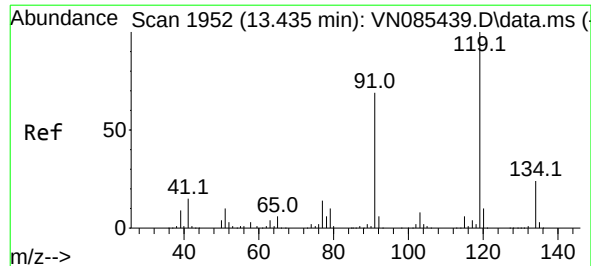
Tgt Ion: 91 Resp: 4268

Ion Ratio Lower Upper

91 100

126 31.0 15.9 47.7





#83

tert-Butylbenzene

Concen: 0.805 ug/l

RT: 13.435 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

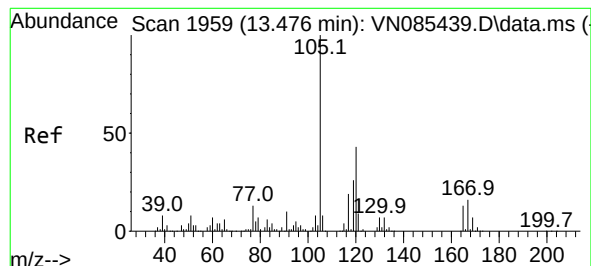
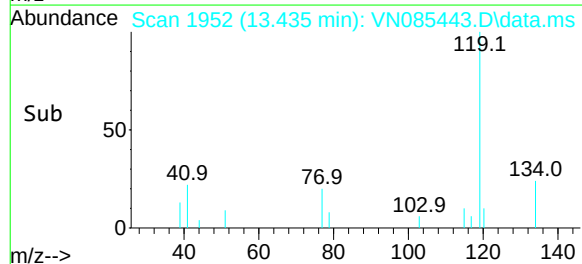
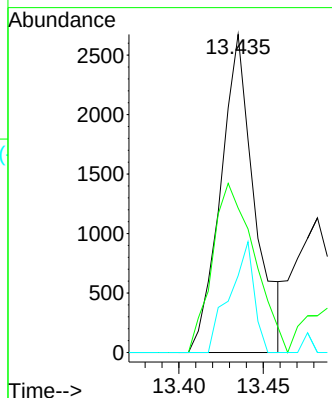
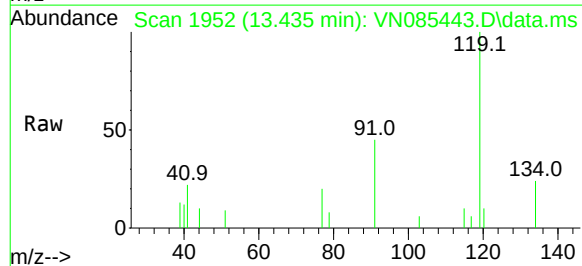
ClientSampleId :

VSTDIC001

Tgt Ion:	119	Resp:	3753
Ion	Ratio	Lower	Upper
119	100		
91	65.9	35.1	105.3
134	24.9	12.0	36.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#84

1,2,4-Trimethylbenzene

Concen: 0.679 ug/l

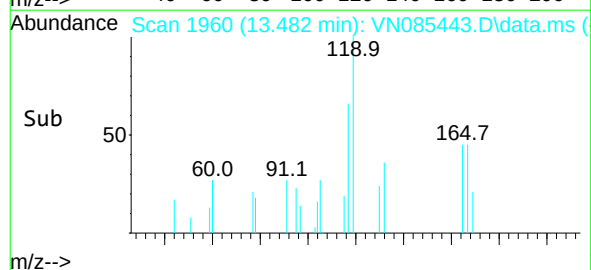
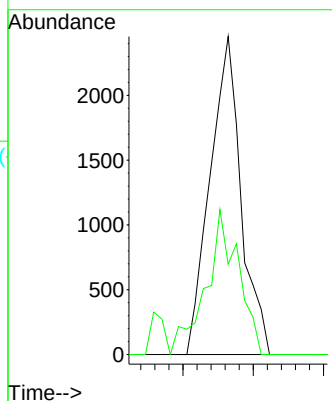
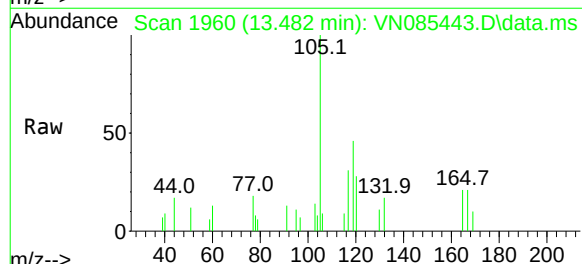
RT: 13.482 min Scan# 1960

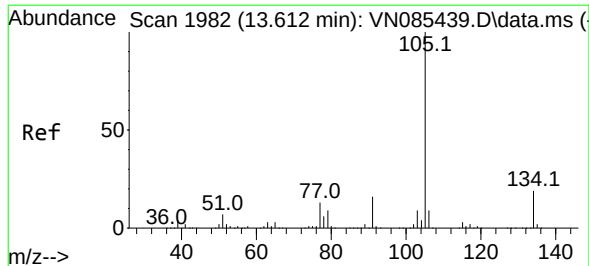
Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt Ion:	105	Resp:	3758
Ion	Ratio	Lower	Upper
105	100		
120	47.7	21.6	65.0





#85

sec-Butylbenzene

Concen: 0.714 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 4614

Ion Ratio Lower Upper

105 100

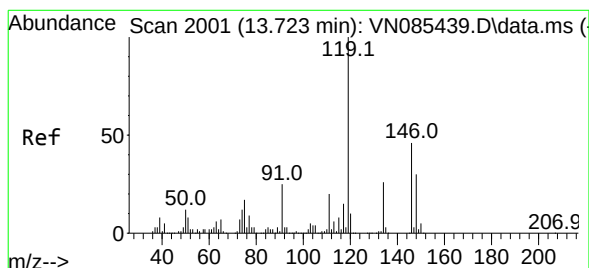
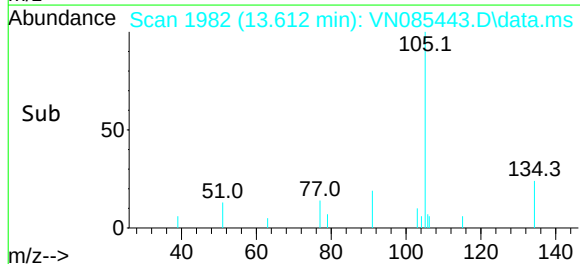
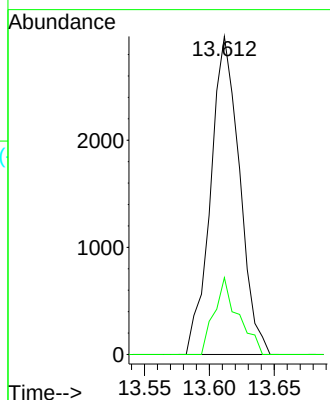
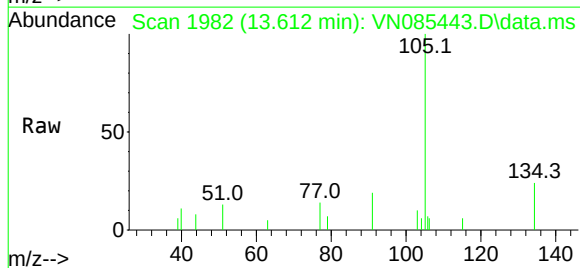
134 19.9 9.7 28.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#86

p-Isopropyltoluene

Concen: 0.716 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

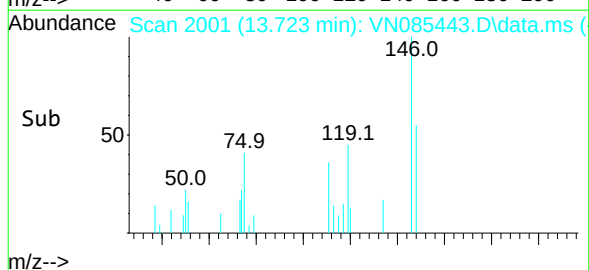
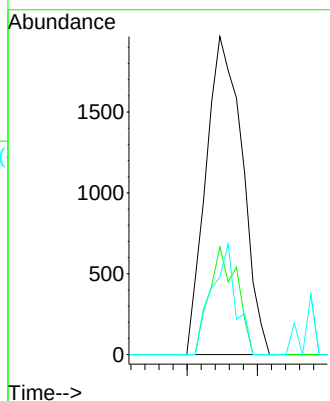
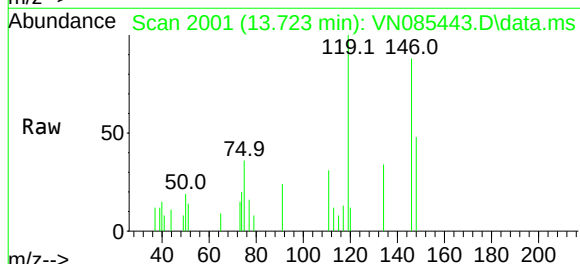
Tgt Ion:119 Resp: 3538

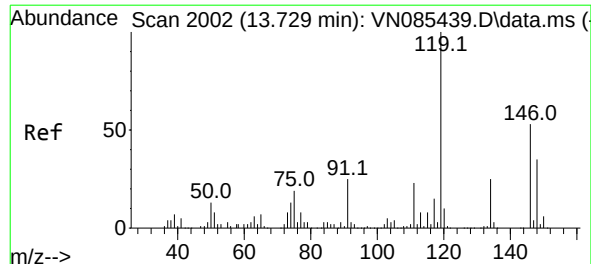
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

91 23.2 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 0.940 ug/l

RT: 13.723 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

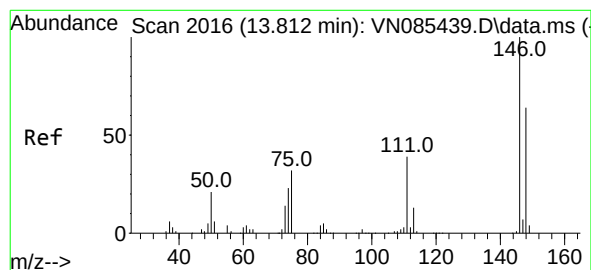
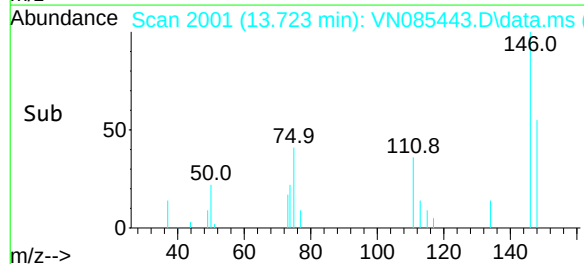
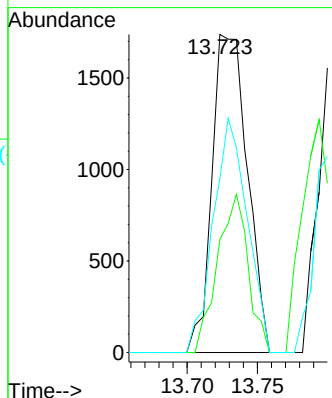
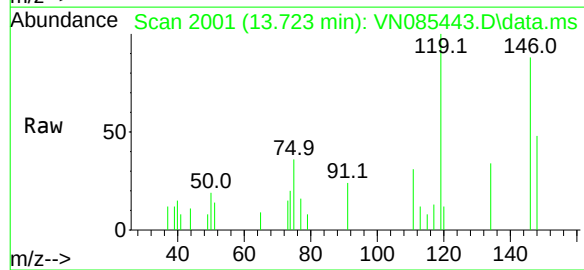
ClientSampleId :

VSTDIC001

Tgt	Ion	146	Resp:	3038
Ion	Ratio	Lower	Upper	
146	100			
111	43.0	21.4	64.3	
148	70.9	32.3	96.9	

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#88

1,4-Dichlorobenzene

Concen: 1.050 ug/l m

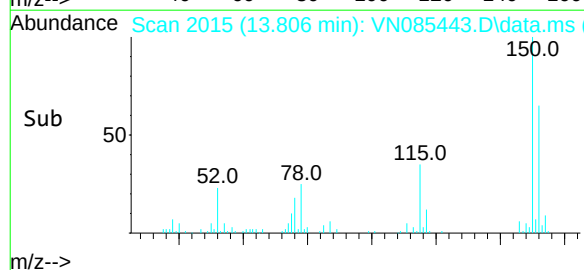
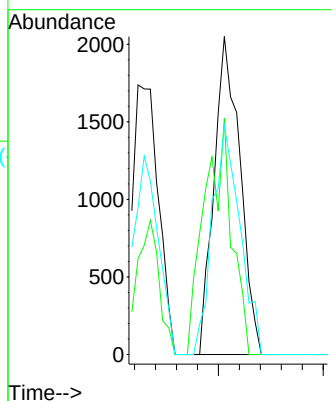
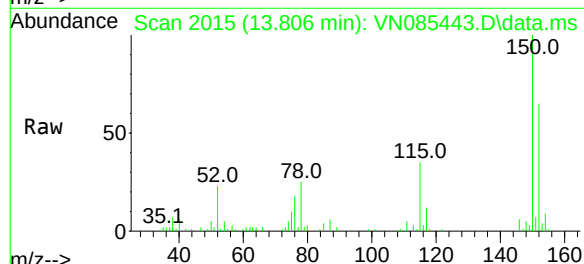
RT: 13.806 min Scan# 2015

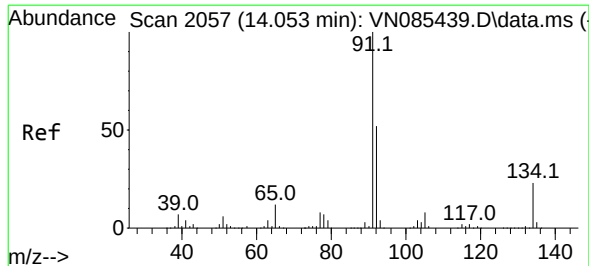
Delta R.T. -0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt	Ion	146	Resp:	3517
Ion	Ratio	Lower	Upper	
146	100			
111	37.2	21.3	63.7	
148	61.2	32.4	97.0	





#89

n-Butylbenzene

Concen: 0.761 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

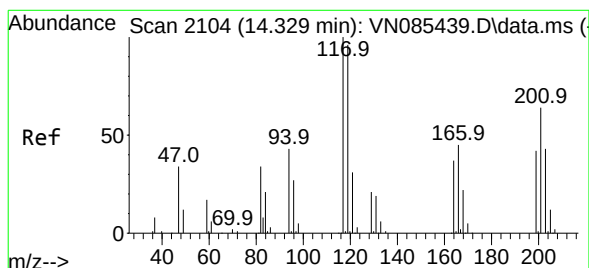
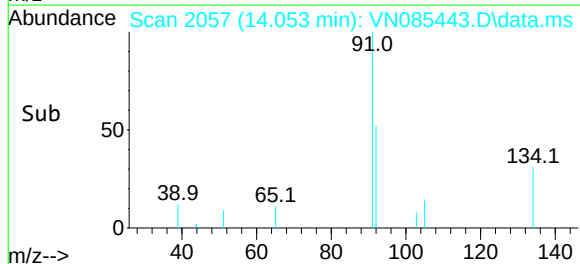
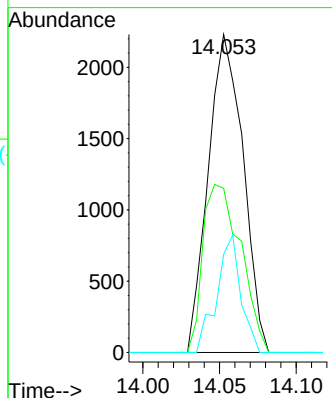
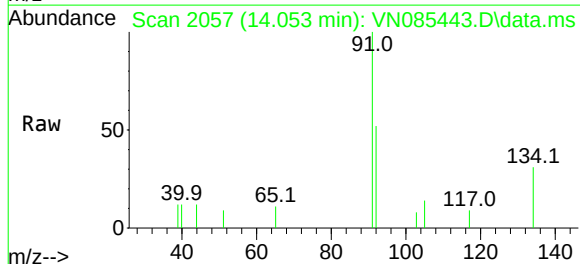
ClientSampleId :

VSTDIC001

Tgt	Ion	91	Resp:	3527
Ion	Ratio	Lower	Upper	
91	100			
92	57.2	25.8	77.3	
134	25.5	11.7	35.1	

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#90

Hexachloroethane

Concen: 1.102 ug/l

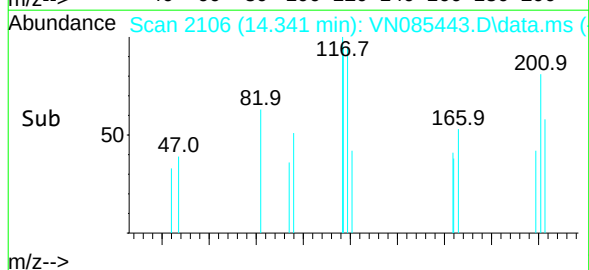
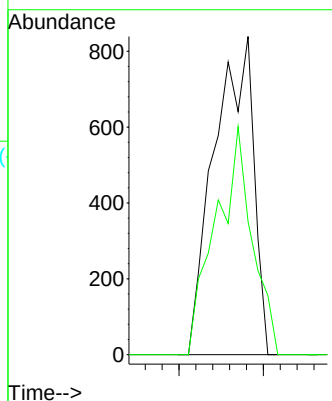
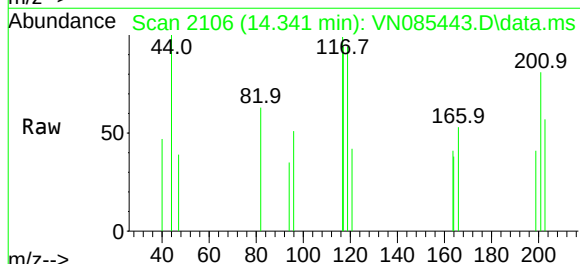
RT: 14.341 min Scan# 2106

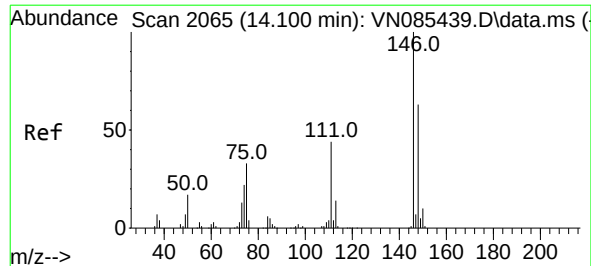
Delta R.T. 0.012 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt	Ion	117	Resp:	1355
Ion	Ratio	Lower	Upper	
117	100			
201	66.5	33.7	101.0	





#91

1,2-Dichlorobenzene

Concen: 1.090 ug/l

RT: 14.106 min Scan# 2065

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

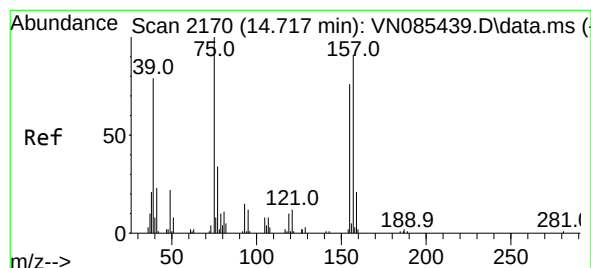
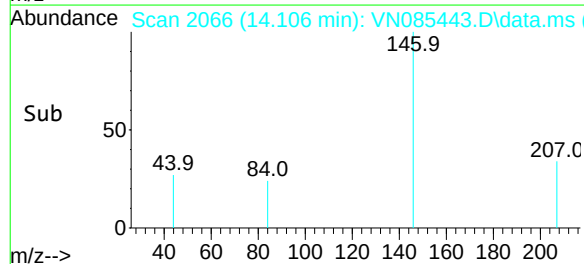
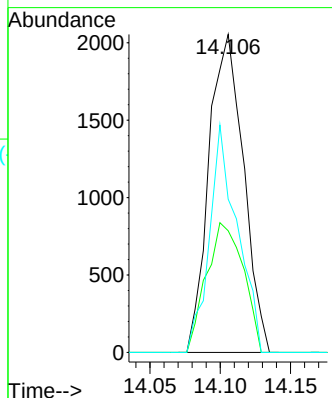
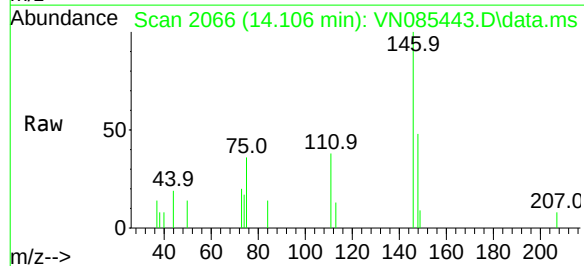
VSTDIC001

Tgt Ion:	146	Resp:	3515
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	57.8	31.4	94.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.928 ug/l

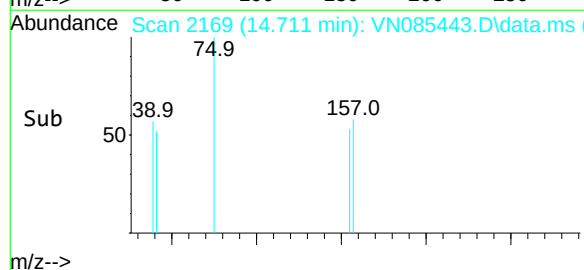
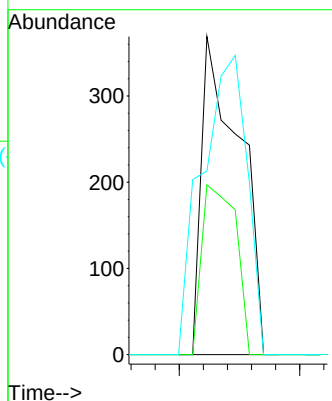
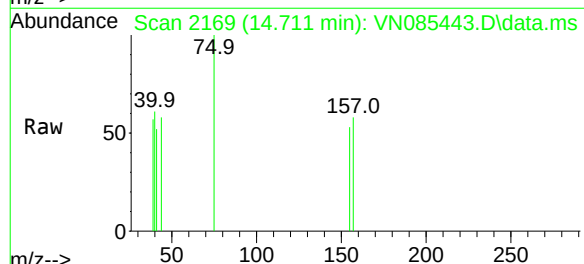
RT: 14.711 min Scan# 2169

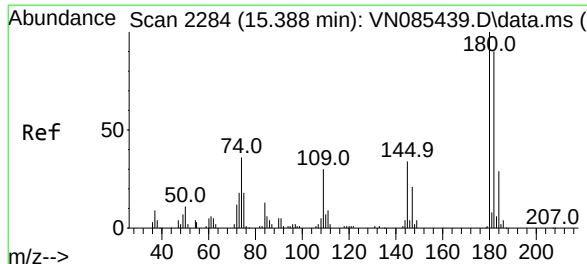
Delta R.T. -0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt Ion:	75	Resp:	402
Ion	Ratio	Lower	Upper
75	100		
155	48.0	36.4	109.2
157	112.7	45.4	136.1





#93

1,2,4-Trichlorobenzene

Concen: 0.874 ug/l

RT: 15.394 min Scan# 2284

Delta R.T. 0.006 min

Lab File: VN085443.D

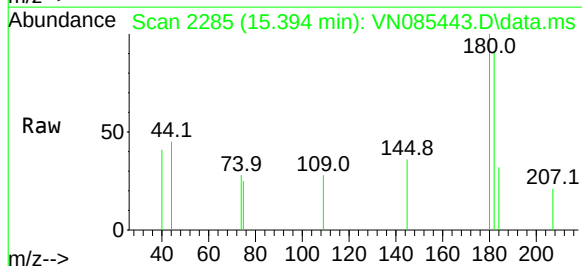
Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

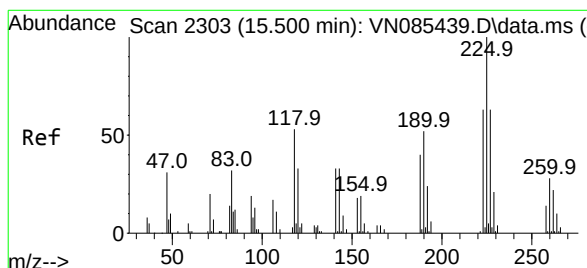
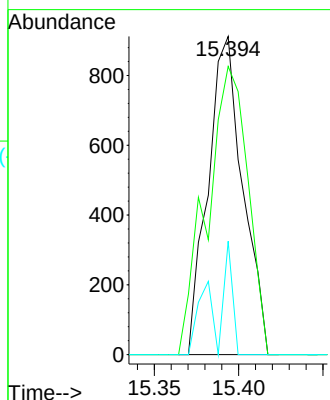
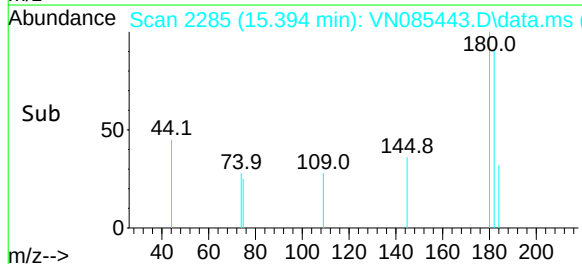


Tgt Ion:	180	Resp:	1310
Ion	Ratio	Lower	Upper
180	100		
182	106.3	46.8	140.3
145	9.7	16.0	48.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#94

Hexachlorobutadiene

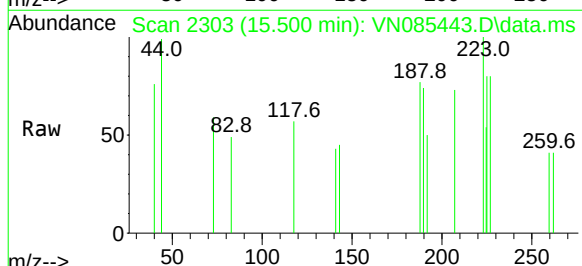
Concen: 1.033 ug/l

RT: 15.500 min Scan# 2303

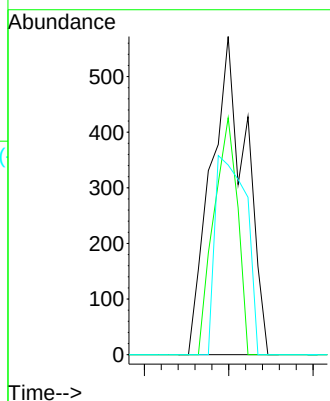
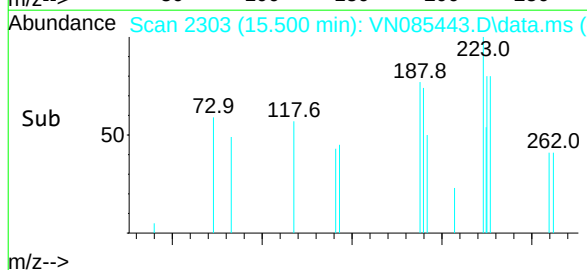
Delta R.T. -0.000 min

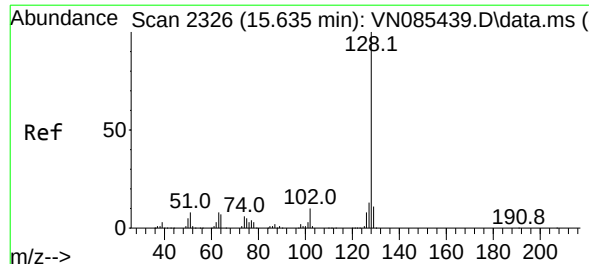
Lab File: VN085443.D

Acq: 14 Jan 2025 17:19



Tgt Ion:	225	Resp:	822
Ion	Ratio	Lower	Upper
225	100		
223	50.7	30.7	92.1
227	55.7	30.9	92.5





#95

Naphthalene

Concen: 0.941 ug/l

RT: 15.641 min Scan# 2326

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA_N

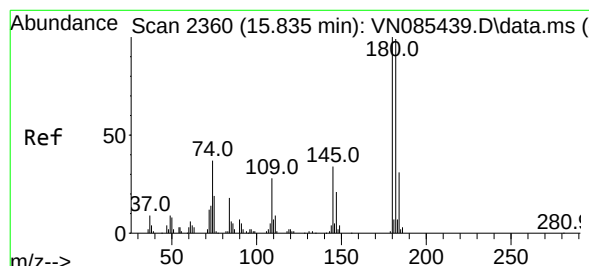
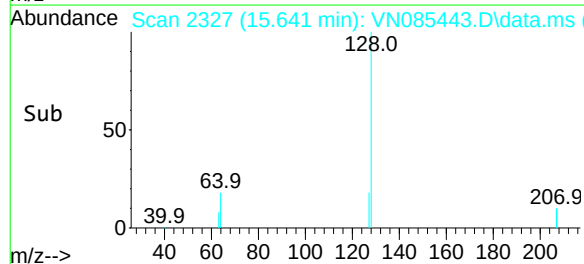
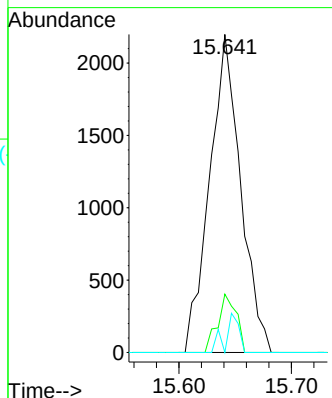
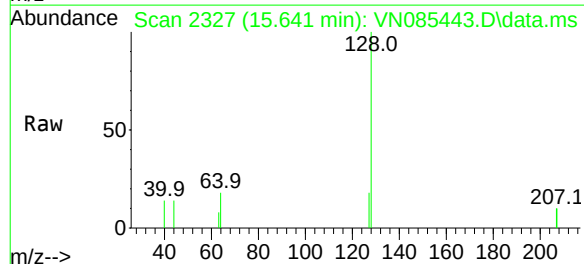
ClientSampleId :

VSTDIC001

Tgt Ion:	128	Resp:	4210
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.6	16.0
129	5.3	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#96

1,2,3-Trichlorobenzene

Concen: 0.985 ug/l

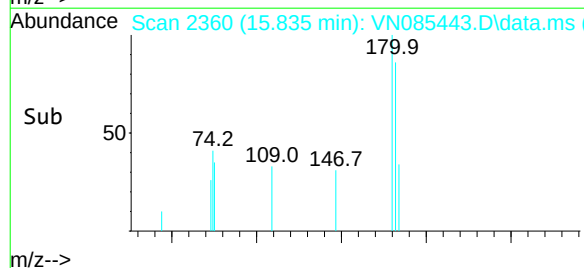
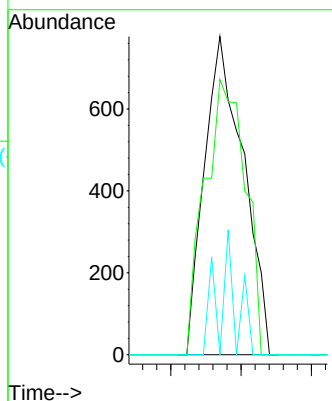
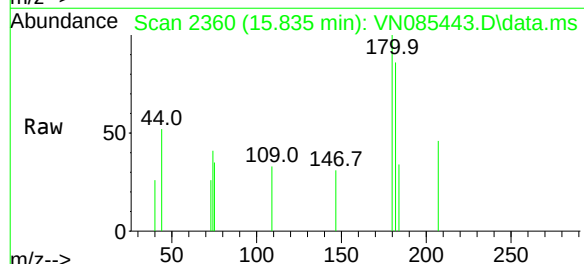
RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Tgt Ion:	180	Resp:	1494
Ion	Ratio	Lower	Upper
180	100		
182	90.2	47.4	142.2
145	11.8	16.9	50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085445.D
 Acq On : 14 Jan 2025 18:06
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011425

Quant Time: Jan 15 02:20:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	219757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	370487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158525	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.571	65	176594	49.782	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.560%
35) Dibromofluoromethane	8.165	113	130487	50.768	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.540%
50) Toluene-d8	10.565	98	477630	52.302	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.600%
62) 4-Bromofluorobenzene	12.847	95	165249	52.899	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	130242	43.772	ug/l	100
3) Chloromethane	2.360	50	138152	42.883	ug/l	99
4) Vinyl Chloride	2.513	62	138316	42.715	ug/l	99
5) Bromomethane	2.954	94	80019	40.910	ug/l	91
6) Chloroethane	3.124	64	86837	42.299	ug/l	99
7) Trichlorofluoromethane	3.501	101	206526	43.956	ug/l	99
8) Diethyl Ether	3.959	74	69545	42.846	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	118310	44.706	ug/l	98
10) Methyl Iodide	4.595	142	140190	46.259	ug/l	98
11) Tert butyl alcohol	5.518	59	83933	206.633	ug/l	99
12) 1,1-Dichloroethene	4.342	96	106880	45.317	ug/l	98
13) Acrolein	4.177	56	135720	244.765	ug/l	99
14) Allyl chloride	5.024	41	170308	44.501	ug/l	99
15) Acrylonitrile	5.712	53	294062	227.920	ug/l	99
16) Acetone	4.418	43	245248	213.971	ug/l	98
17) Carbon Disulfide	4.712	76	300215	41.342	ug/l	100
18) Methyl Acetate	5.018	43	156938	45.028	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	365819	47.768	ug/l	100
20) Methylene Chloride	5.271	84	122059	43.017	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	112597	44.672	ug/l	93
22) Diisopropyl ether	6.665	45	399206	46.996	ug/l	99
23) Vinyl Acetate	6.601	43	1471068	247.459	ug/l	100
24) 1,1-Dichloroethane	6.571	63	228489	44.114	ug/l	98
25) 2-Butanone	7.477	43	386125	228.924	ug/l	100
26) 2,2-Dichloropropane	7.489	77	199303	47.593	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	134920	45.446	ug/l	98
28) Bromochloromethane	7.812	49	106323	44.122	ug/l	100
29) Tetrahydrofuran	7.836	42	255650	239.065	ug/l	99
30) Chloroform	7.965	83	235923	44.071	ug/l	98
31) Cyclohexane	8.253	56	193034	42.878	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	208172	44.332	ug/l	99
36) 1,1-Dichloropropene	8.365	75	161834	44.863	ug/l	98
37) Ethyl Acetate	7.559	43	160656	44.123	ug/l	97
38) Carbon Tetrachloride	8.359	117	183592	44.456	ug/l	99
39) Methylcyclohexane	9.600	83	168431	49.687	ug/l	98
40) Benzene	8.600	78	494871	45.657	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085445.D
 Acq On : 14 Jan 2025 18:06
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011425

Quant Time: Jan 15 02:20:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	89326	47.155	ug/l	99
42) 1,2-Dichloroethane	8.665	62	185663	45.481	ug/l	100
43) Isopropyl Acetate	8.683	43	265107	45.440	ug/l	99
44) Trichloroethene	9.347	130	110058	43.622	ug/l	96
45) 1,2-Dichloropropane	9.618	63	123876	44.744	ug/l	97
46) Dibromomethane	9.700	93	88325	44.214	ug/l	98
47) Bromodichloromethane	9.889	83	185808	45.655	ug/l	99
48) Methyl methacrylate	9.677	41	131142	49.948	ug/l	97
49) 1,4-Dioxane	9.689	88	35051	792.760	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	832426	245.877	ug/l	99
52) Toluene	10.630	92	301911	48.073	ug/l	99
53) t-1,3-Dichloropropene	10.830	75	183680	47.757	ug/l	94
54) cis-1,3-Dichloropropene	10.312	75	196307	47.783	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	114757	46.173	ug/l	97
56) Ethyl methacrylate	10.871	69	182170	43.762	ug/l	98
57) 1,3-Dichloropropane	11.159	76	202583	46.877	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	403949	256.116	ug/l	99
59) 2-Hexanone	11.194	43	598433	251.213	ug/l	100
60) Dibromochloromethane	11.353	129	137831	45.935	ug/l	99
61) 1,2-Dibromoethane	11.465	107	110926	44.837	ug/l	100
64) Tetrachloroethene	11.100	164	98211	44.886	ug/l	96
65) Chlorobenzene	11.888	112	322723	45.901	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	115379	44.712	ug/l	99
67) Ethyl Benzene	11.959	91	577059	50.391	ug/l	97
68) m/p-Xylenes	12.071	106	437367	103.341	ug/l	100
69) o-Xylene	12.394	106	210698	52.093	ug/l	99
70) Styrene	12.406	104	355459	53.103	ug/l	100
71) Bromoform	12.577	173	90693	49.119	ug/l #	100
73) Isopropylbenzene	12.694	105	534428	49.951	ug/l	99
74) N-ethyl acetate	12.488	43	234342	48.730	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	164882	43.627	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	134976m	41.891	ug/l	
77) Bromobenzene	12.977	156	128968	46.138	ug/l	97
78) n-propylbenzene	13.029	91	645977	51.001	ug/l	100
79) 2-Chlorotoluene	13.124	91	392404	47.870	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	456048	51.604	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	58623m	49.226	ug/l	
82) 4-Chlorotoluene	13.218	91	398110	48.776	ug/l	100
83) tert-Butylbenzene	13.435	119	378478	50.997	ug/l	98
84) 1,2,4-Trimethylbenzene	13.477	105	457340	51.922	ug/l	100
85) sec-Butylbenzene	13.612	105	532578	51.777	ug/l	100
86) p-Isopropyltoluene	13.729	119	440284	47.795	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	236387	45.920	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	235319	44.102	ug/l	99
89) n-Butylbenzene	14.053	91	373227	50.578	ug/l	99
90) Hexachloroethane	14.329	117	88538	45.215	ug/l	100
91) 1,2-Dichlorobenzene	14.100	146	231646	45.113	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	31899	46.221	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	109157	45.739	ug/l	98
94) Hexachlorobutadiene	15.500	225	53358	42.112	ug/l	99
95) Naphthalene	15.641	128	335535	47.116	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	107583	44.551	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

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

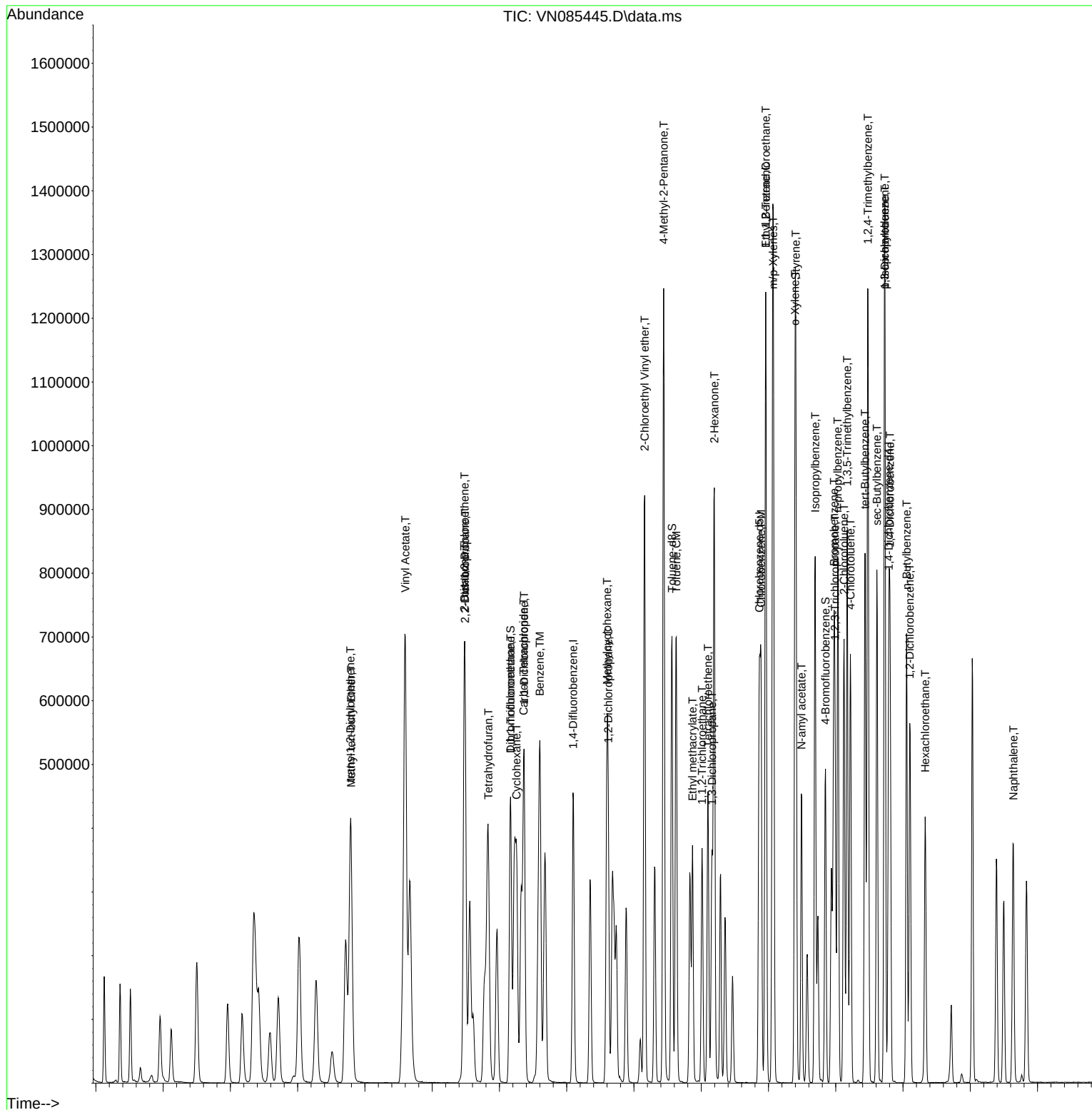
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Acq On    : 14 Jan 2025   18:06  
Operator  : JC\MD  
Sample    : VSTDICV050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 12   Sample Multiplier: 1
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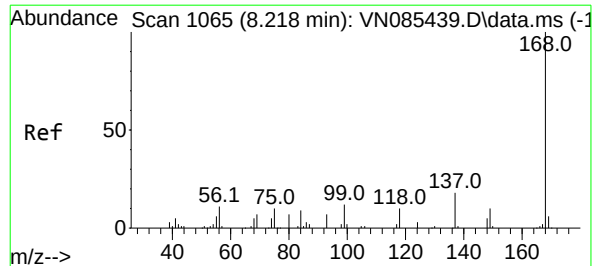
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

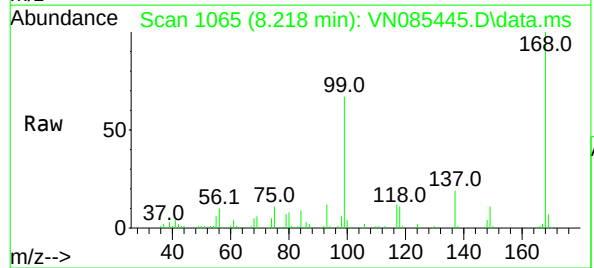
Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

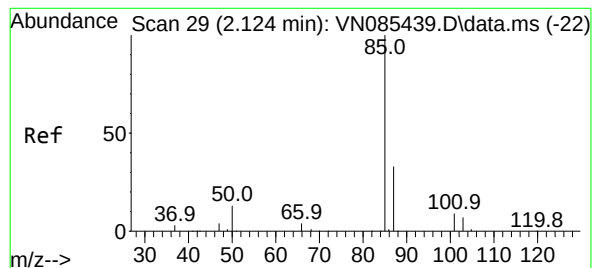
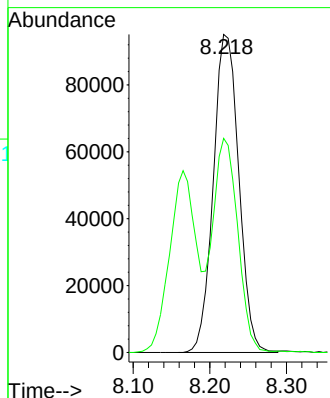
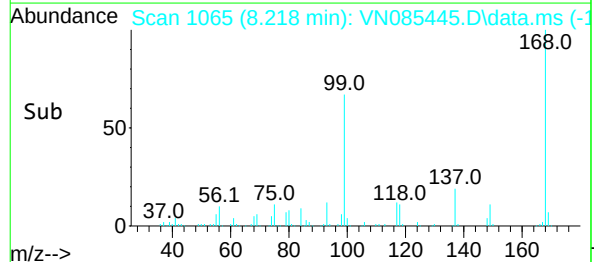
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425



Tgt Ion:168 Resp: 219757
Ion Ratio Lower Upper
168 100
99 66.9 53.6 80.4

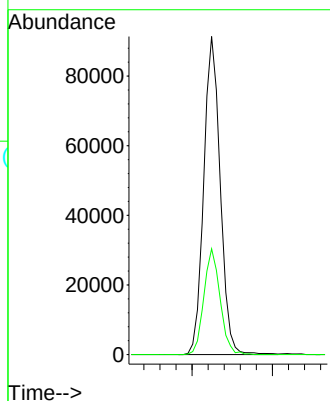
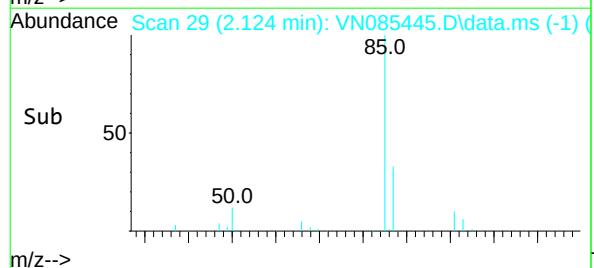
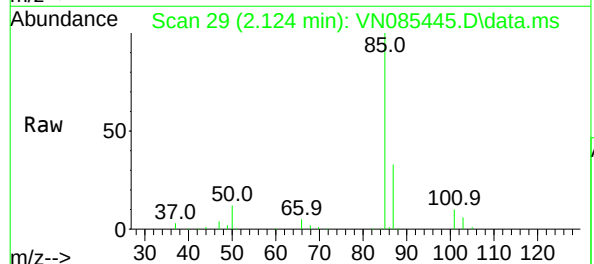
Manual Integrations
APPROVED

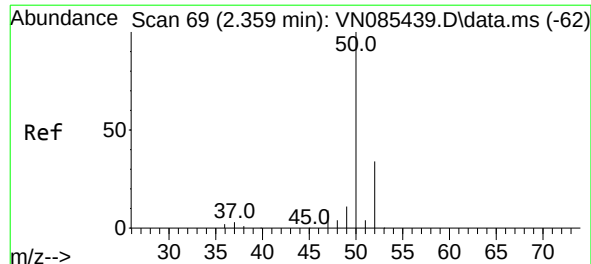
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#2
Dichlorodifluoromethane
Concen: 43.772 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 85 Resp: 130242
Ion Ratio Lower Upper
85 100
87 33.2 16.7 50.1





#3

Chloromethane

Concen: 42.883 ug/l

RT: 2.360 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 50 Resp: 138152

Ion Ratio Lower Upper

50 100

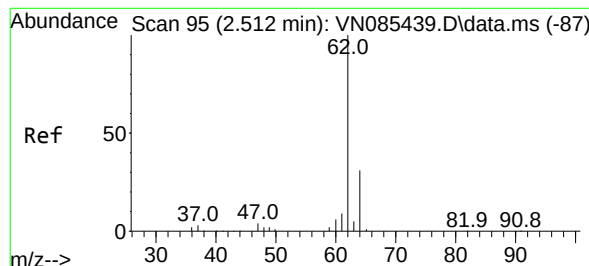
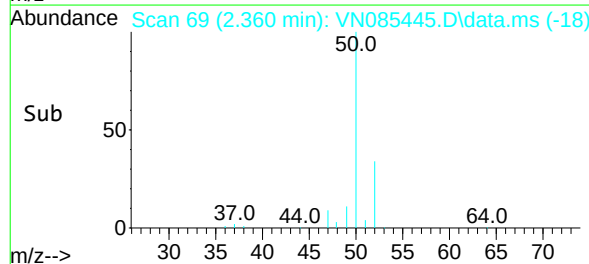
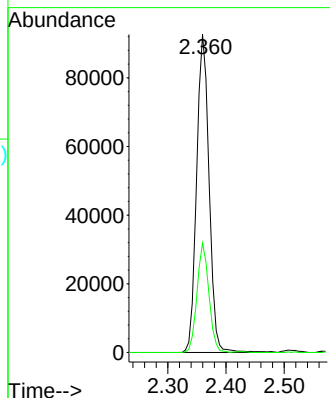
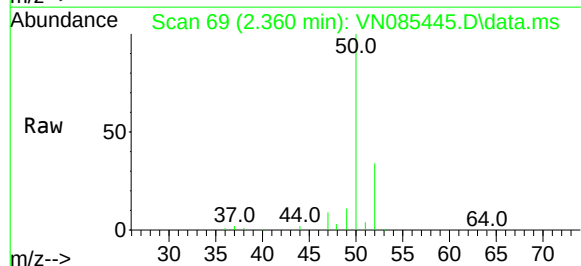
52 34.4 27.0 40.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#4

Vinyl Chloride

Concen: 42.715 ug/l

RT: 2.513 min Scan# 95

Delta R.T. 0.000 min

Lab File: VN085445.D

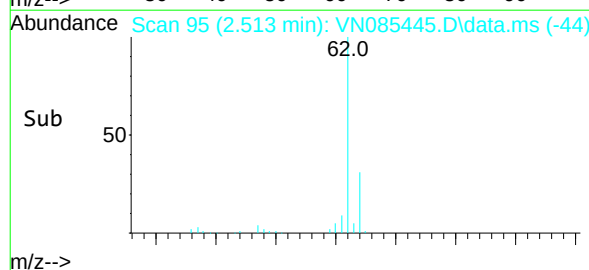
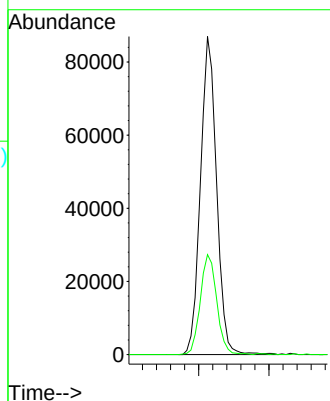
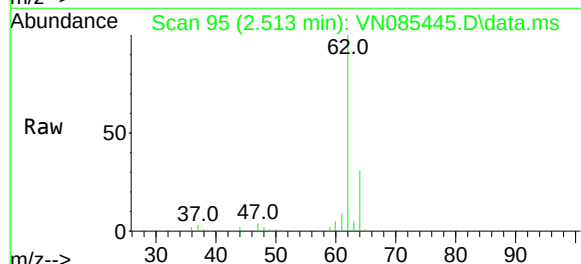
Acq: 14 Jan 2025 18:06

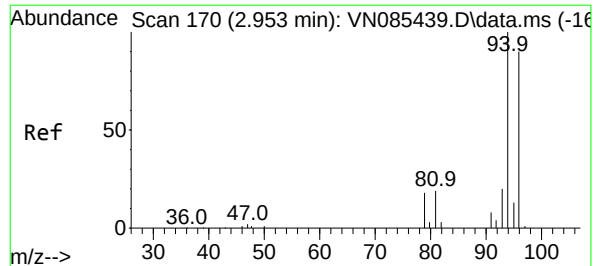
Tgt Ion: 62 Resp: 138316

Ion Ratio Lower Upper

62 100

64 31.4 24.8 37.2





#5

Bromomethane

Concen: 40.910 ug/l

RT: 2.954 min Scan# 170

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 94 Resp: 80019

Ion Ratio Lower Upper

94 100

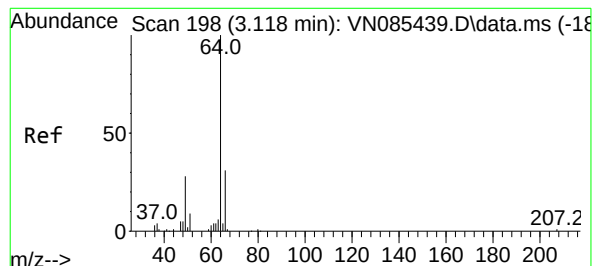
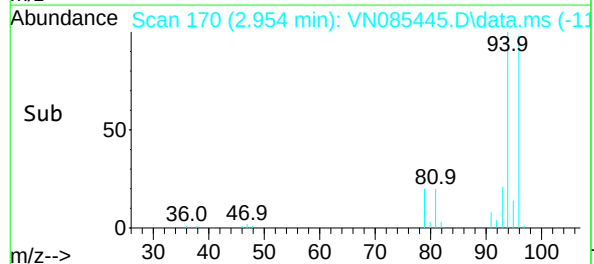
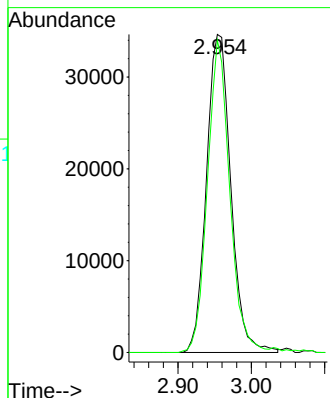
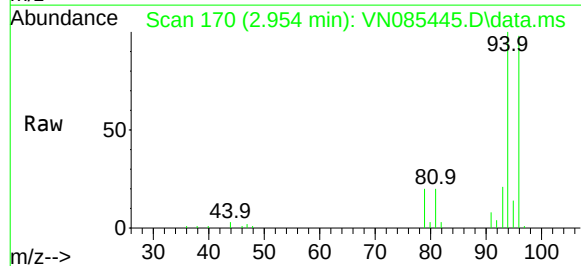
96 98.2 71.8 107.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#6

Chloroethane

Concen: 42.299 ug/l

RT: 3.124 min Scan# 199

Delta R.T. 0.006 min

Lab File: VN085445.D

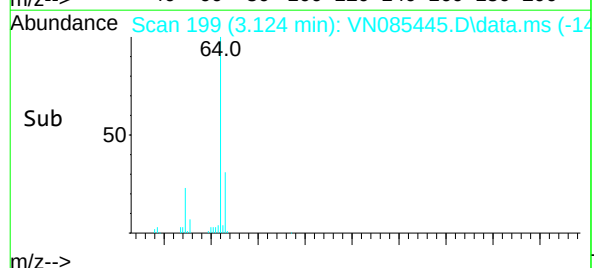
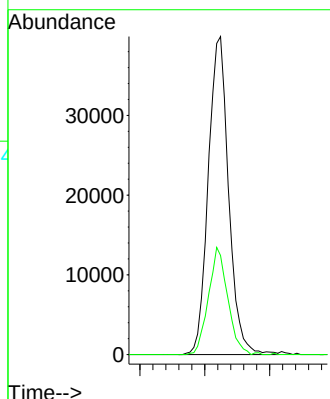
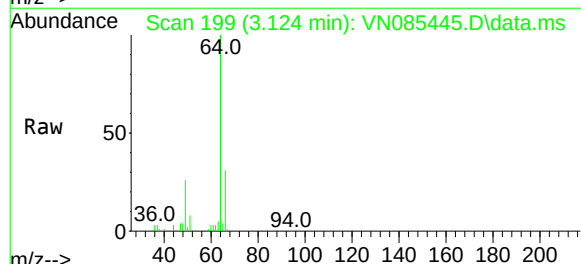
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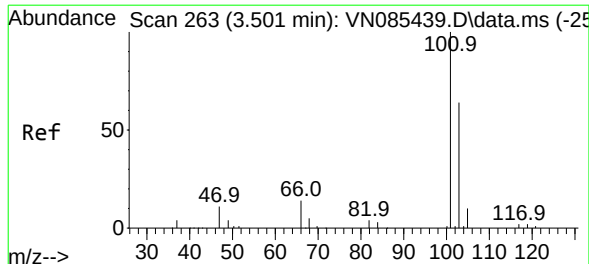
Tgt Ion: 64 Resp: 86837

Ion Ratio Lower Upper

64 100

66 31.1 24.6 36.8





#7

Trichlorofluoromethane

Concen: 43.956 ug/l

RT: 3.501 min Scan# 26

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion:101 Resp: 206526

Ion Ratio Lower Upper

101 100

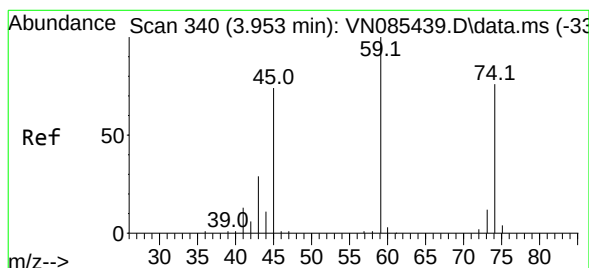
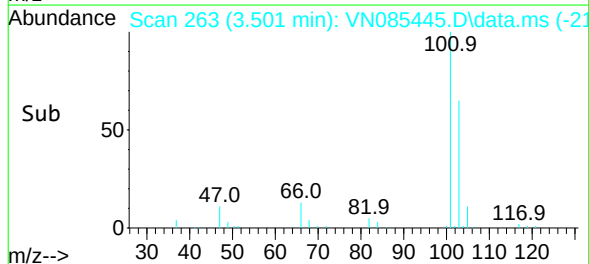
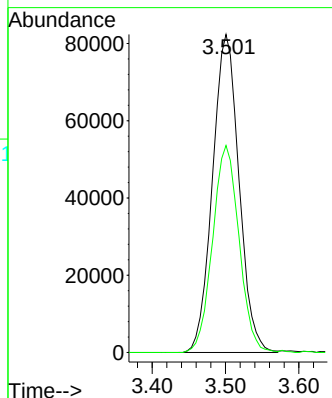
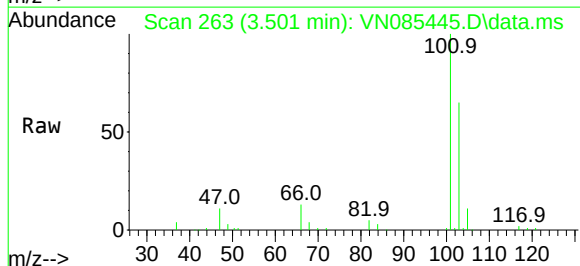
103 65.1 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#8

Diethyl Ether

Concen: 42.846 ug/l

RT: 3.959 min Scan# 341

Delta R.T. 0.006 min

Lab File: VN085445.D

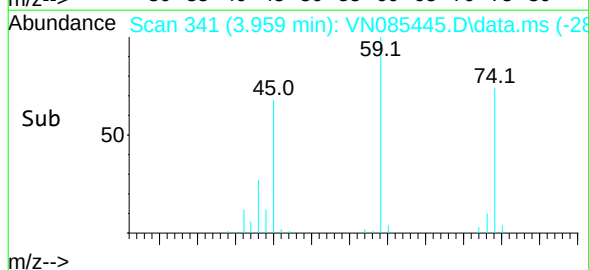
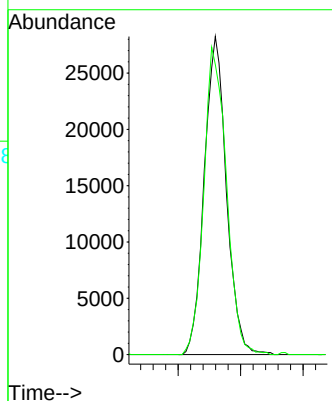
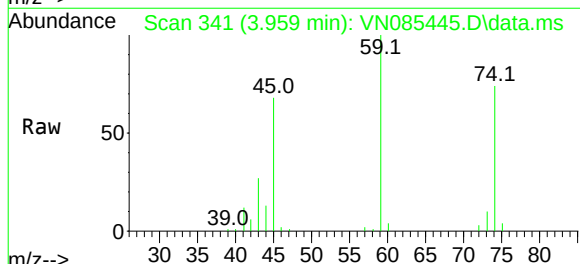
Acq: 14 Jan 2025 18:06

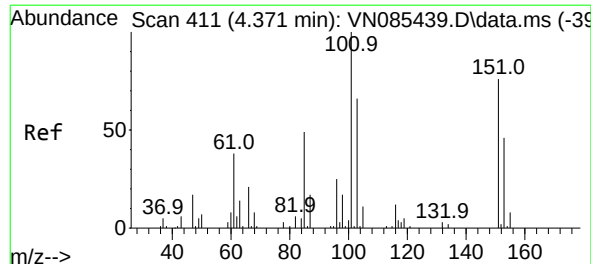
Tgt Ion: 74 Resp: 69545

Ion Ratio Lower Upper

74 100

45 99.0 49.7 149.1





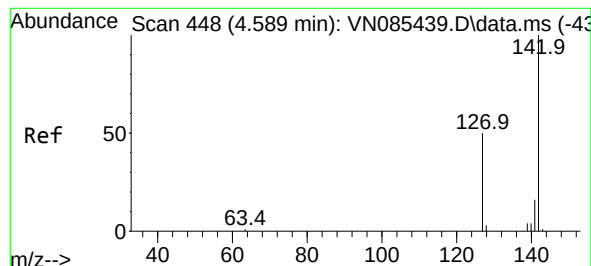
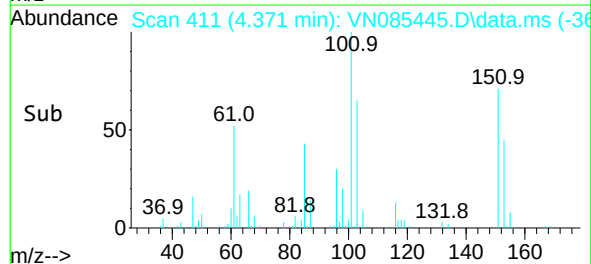
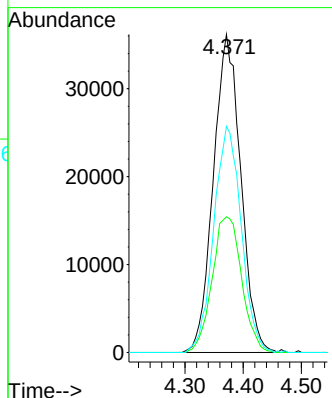
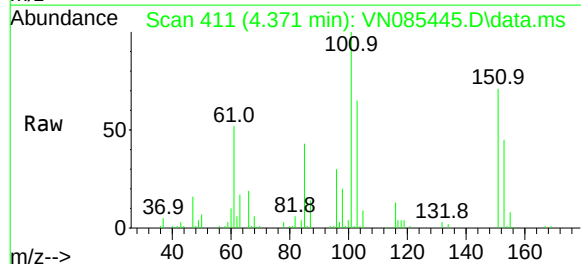
#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.706 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:101 Resp: 118310
Ion Ratio Lower Upper
101 100
85 45.9 37.8 56.8
151 71.5 58.8 88.2

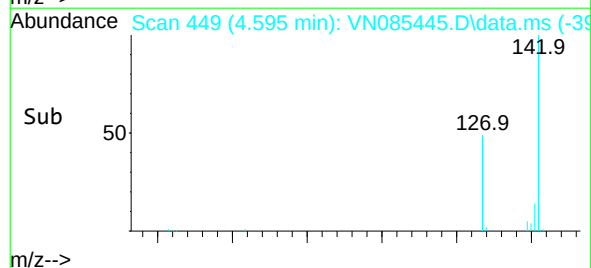
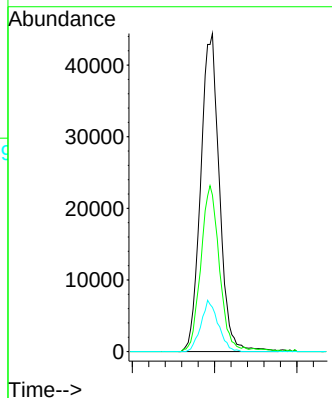
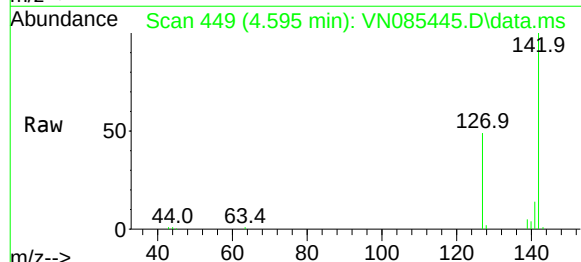
Manual Integrations
APPROVED

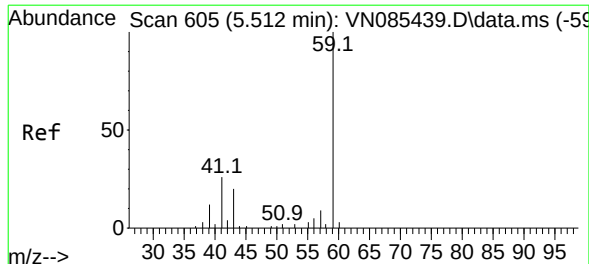
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#10
Methyl Iodide
Concen: 46.259 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:142 Resp: 140190
Ion Ratio Lower Upper
142 100
127 49.2 40.3 60.5
141 13.9 12.8 19.2





#11

Tert butyl alcohol

Concen: 206.633 ug/l

RT: 5.518 min Scan# 605

Delta R.T. 0.006 min

Lab File: VN085445.D

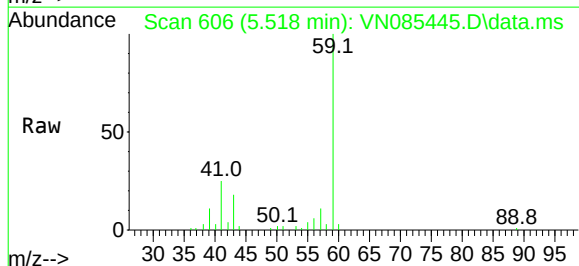
Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425



Tgt Ion: 59 Resp: 83933

Ion Ratio Lower Upper

59 100

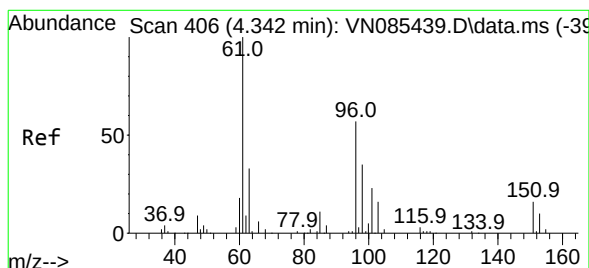
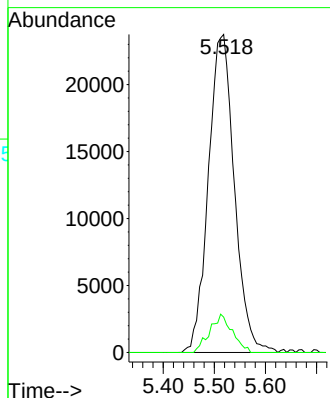
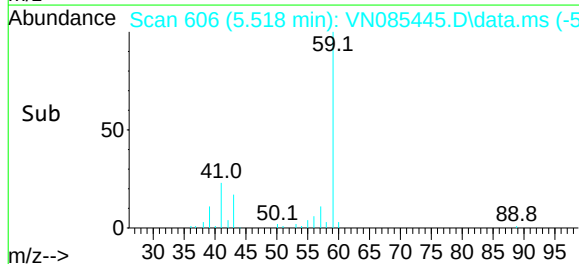
57 10.4 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#12

1,1-Dichloroethene

Concen: 45.317 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

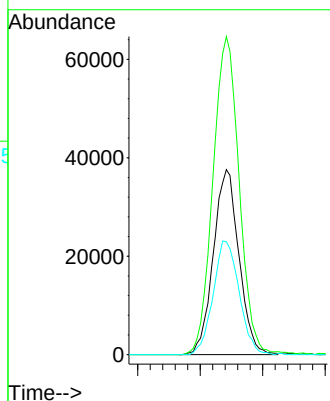
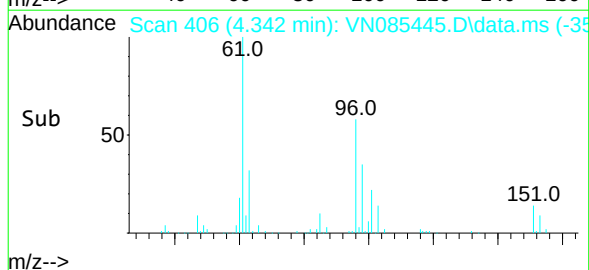
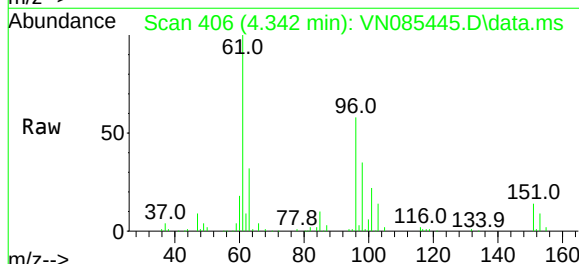
Tgt Ion: 96 Resp: 106880

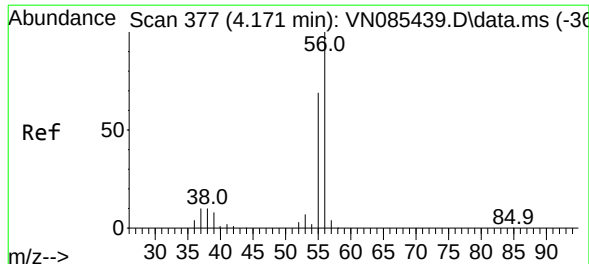
Ion Ratio Lower Upper

96 100

61 171.9 141.0 211.4

98 61.0 49.0 73.6





#13

Acrolein

Concen: 244.765 ug/l

RT: 4.177 min Scan# 37

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 56 Resp: 135720

Ion Ratio Lower Upper

56 100

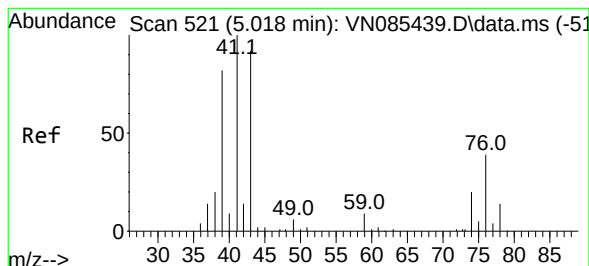
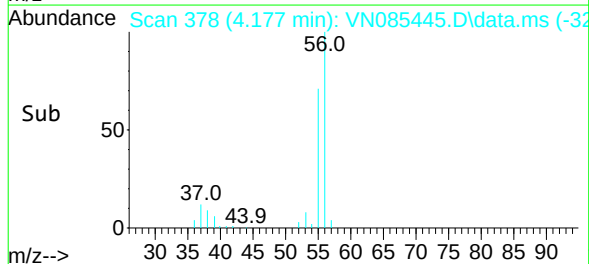
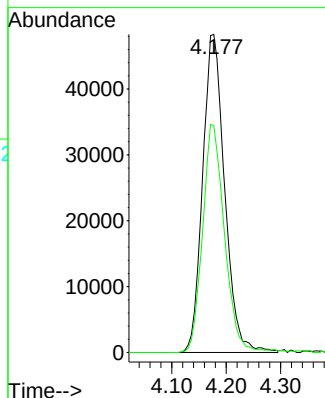
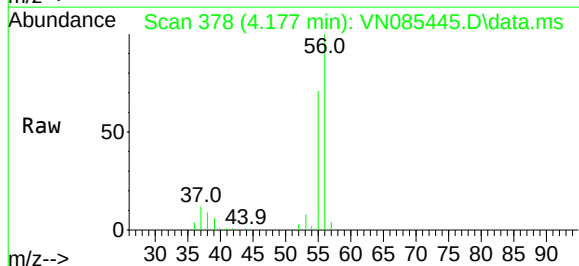
55 70.9 56.3 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#14

Allyl chloride

Concen: 44.501 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

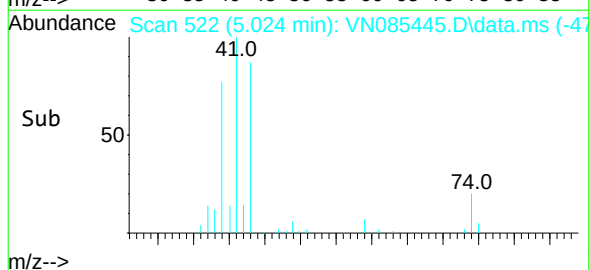
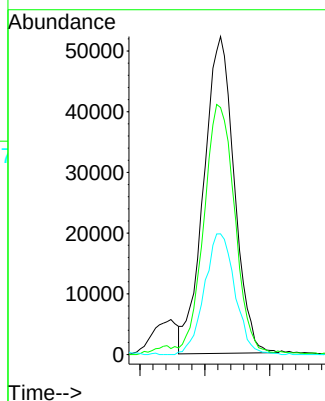
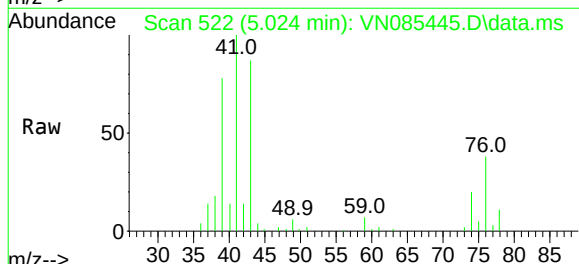
Tgt Ion: 41 Resp: 170308

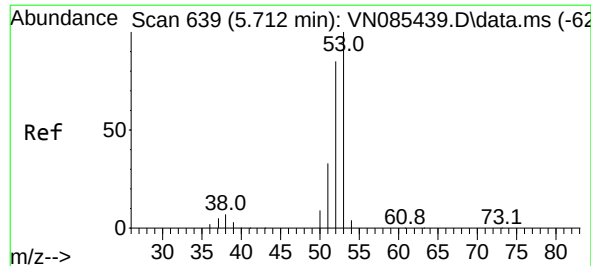
Ion Ratio Lower Upper

41 100

39 78.9 64.4 96.6

76 38.2 30.5 45.7





#15

Acrylonitrile

Concen: 227.920 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 53 Resp: 294062

Ion Ratio Lower Upper

53 100

52 82.7 65.5 98.3

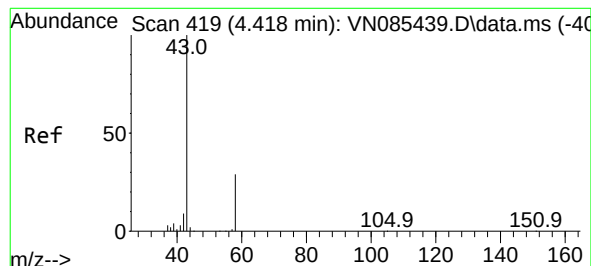
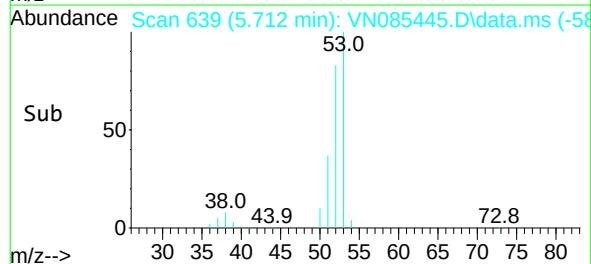
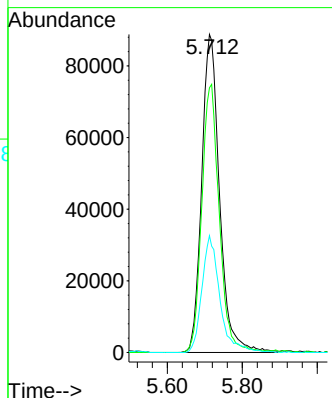
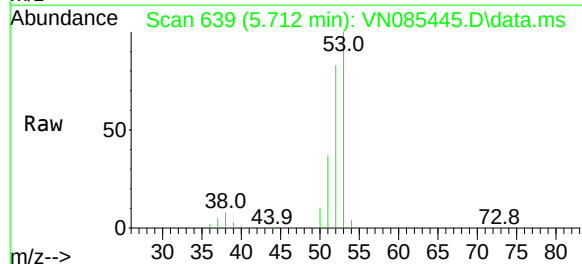
51 36.8 29.8 44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#16

Acetone

Concen: 213.971 ug/l

RT: 4.418 min Scan# 419

Delta R.T. 0.000 min

Lab File: VN085445.D

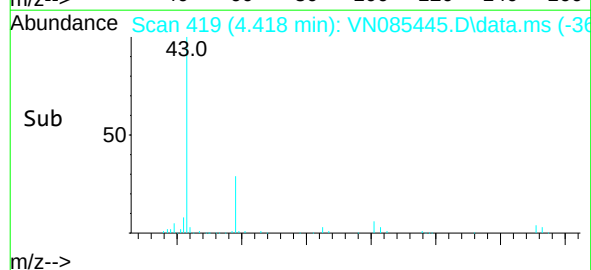
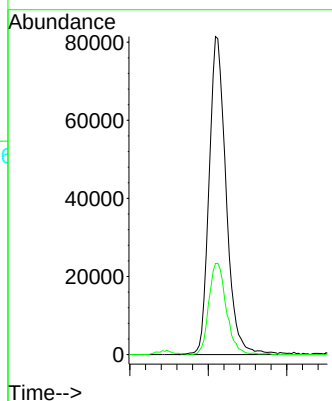
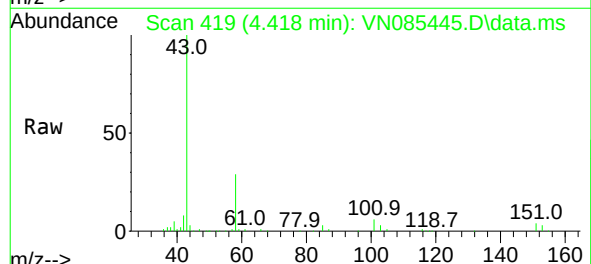
Acq: 14 Jan 2025 18:06

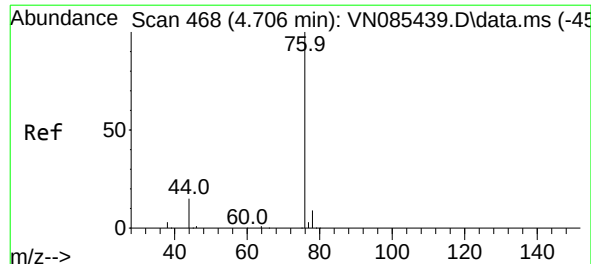
Tgt Ion: 43 Resp: 245248

Ion Ratio Lower Upper

43 100

58 28.4 23.8 35.6





#17

Carbon Disulfide

Concen: 41.342 ug/l

RT: 4.712 min Scan# 468

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Tgt Ion: 76 Resp: 300215

Ion Ratio Lower Upper

76 100

78 8.7 6.9 10.3

Instrument :

MSVOA_N

ClientSampleId :

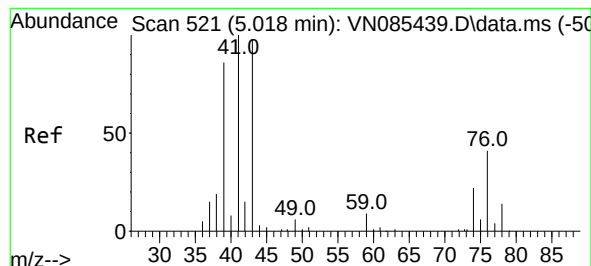
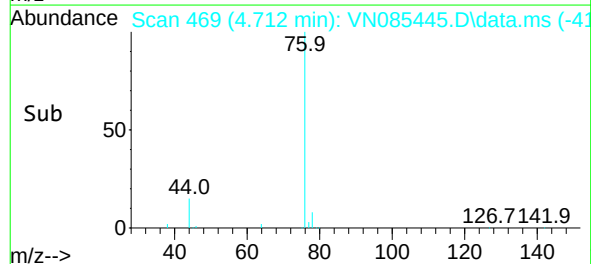
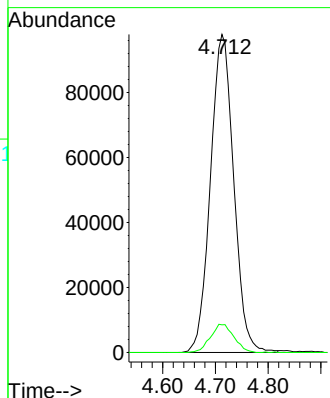
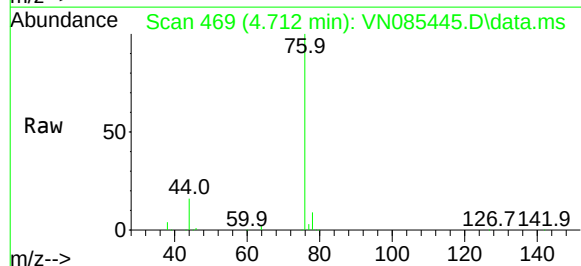
ICVVN011425

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#18

Methyl Acetate

Concen: 45.028 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN085445.D

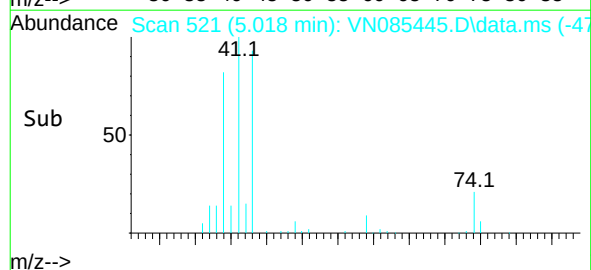
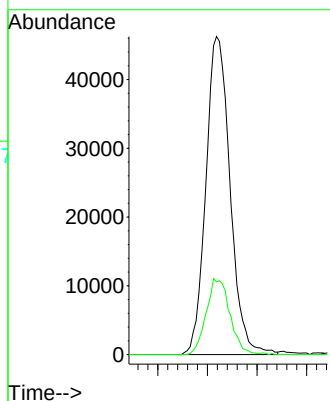
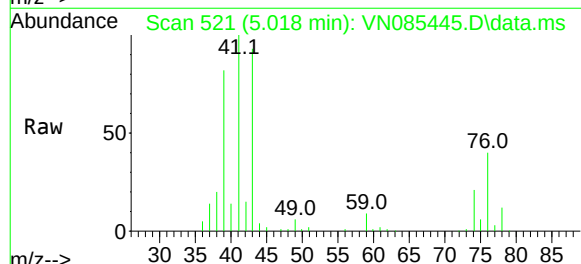
Acq: 14 Jan 2025 18:06

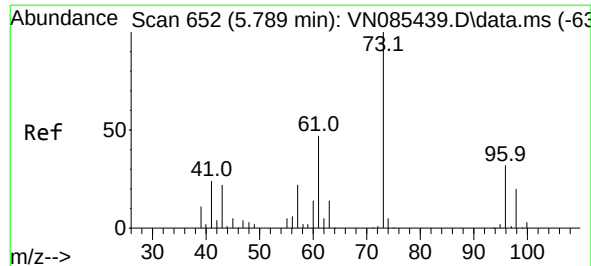
Tgt Ion: 43 Resp: 156938

Ion Ratio Lower Upper

43 100

74 23.4 18.6 28.0





#19

Methyl tert-butyl Ether

Concen: 47.768 ug/l

RT: 5.795 min Scan# 65

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 73 Resp: 365819

Ion Ratio Lower Upper

73 100

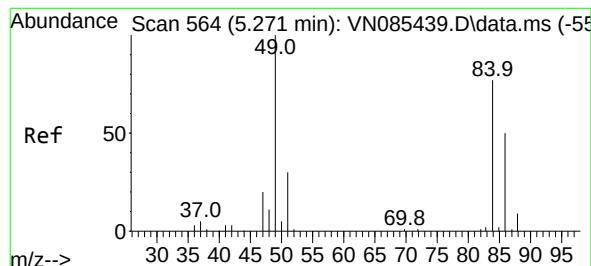
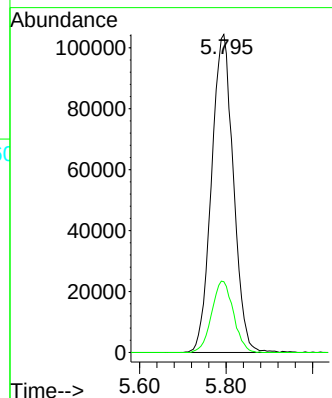
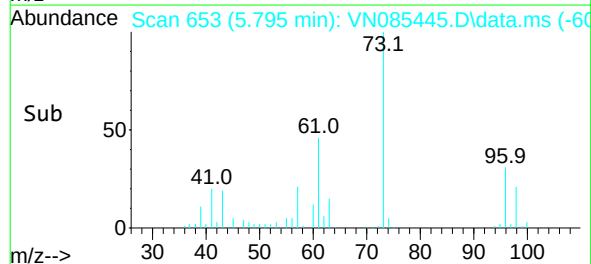
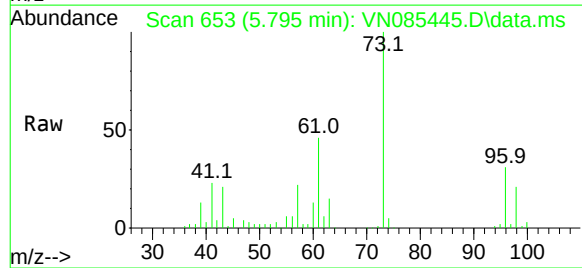
57 22.3 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#20

Methylene Chloride

Concen: 43.017 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Tgt Ion: 84 Resp: 122059

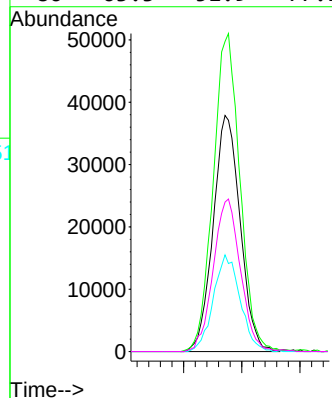
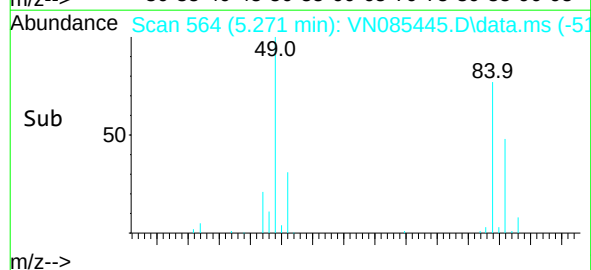
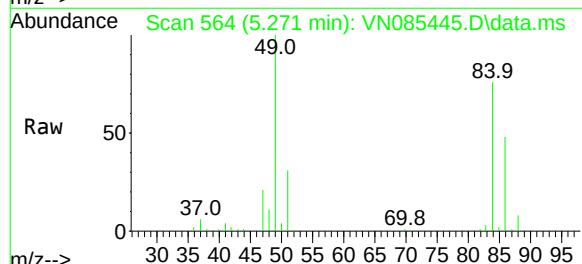
Ion Ratio Lower Upper

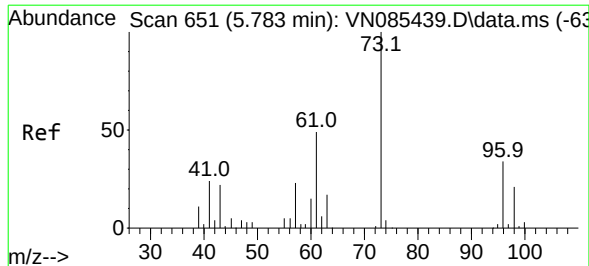
84 100

49 131.3 104.1 156.1

51 41.0 31.0 46.4

86 63.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 44.672 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.000 min

Lab File: VN085445.D

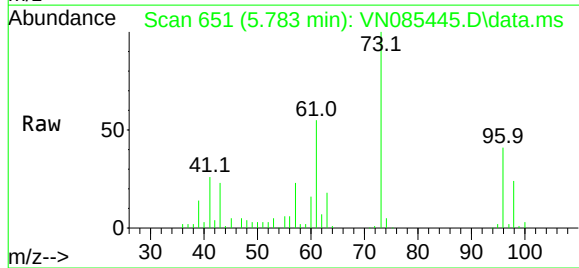
Acq: 14 Jan 2025 18:06

Instrument :

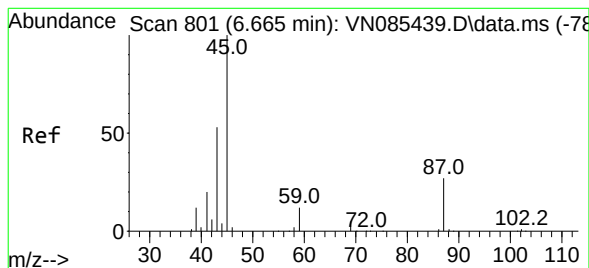
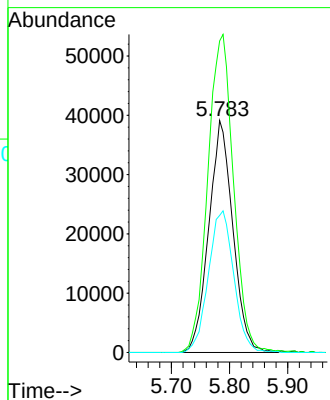
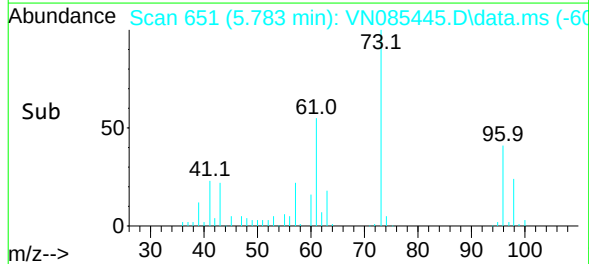
MSVOA_N

ClientSampleId :

ICVVN011425



Tgt Ion:	96	Resp:	112597
Ion	Ratio	Lower	Upper
96	100		
61	134.3	115.7	173.5
98	59.1	49.8	74.8

Manual Integrations
APPROVEDReviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

#22

Diisopropyl ether

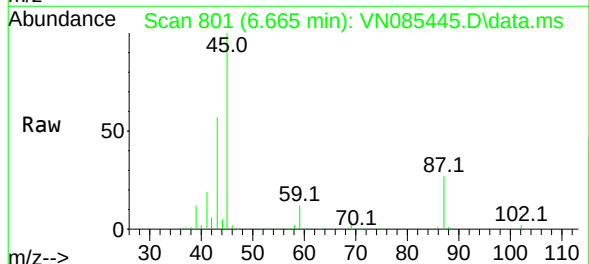
Concen: 46.996 ug/l

RT: 6.665 min Scan# 801

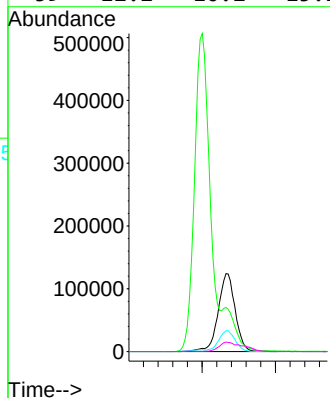
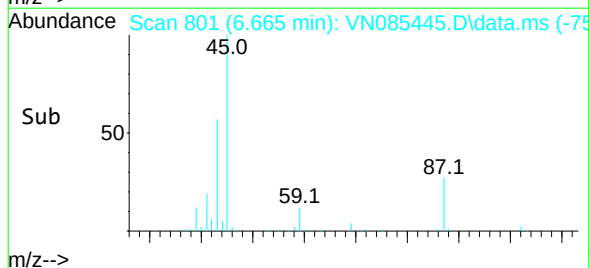
Delta R.T. 0.000 min

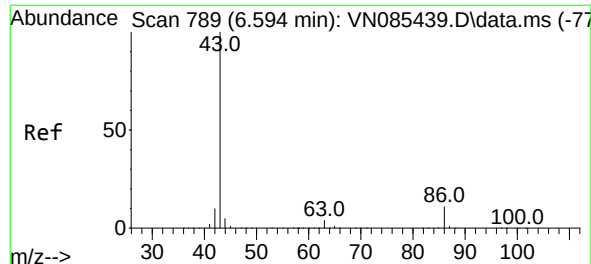
Lab File: VN085445.D

Acq: 14 Jan 2025 18:06



Tgt Ion:	45	Resp:	399206
Ion	Ratio	Lower	Upper
45	100		
43	56.0	45.0	67.6
87	26.8	21.8	32.8
59	12.2	10.2	15.2





#23

Vinyl Acetate

Concen: 247.459 ug/l

RT: 6.601 min Scan# 790

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 43 Resp: 1471068

Ion Ratio Lower Upper

43 100

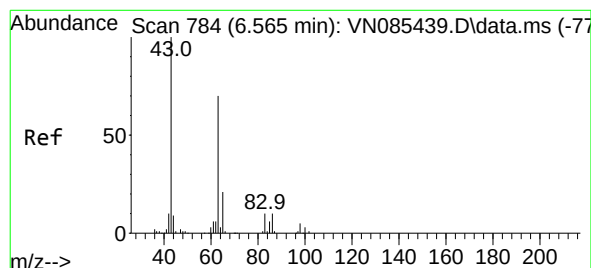
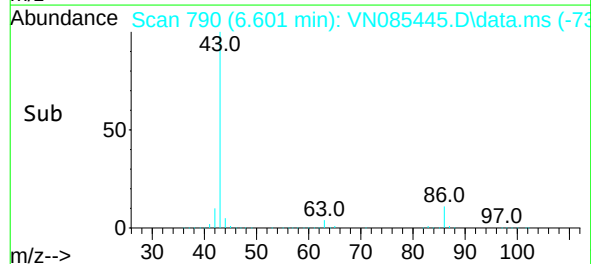
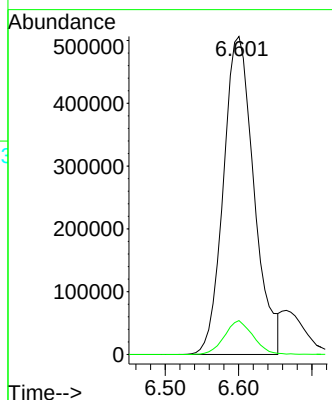
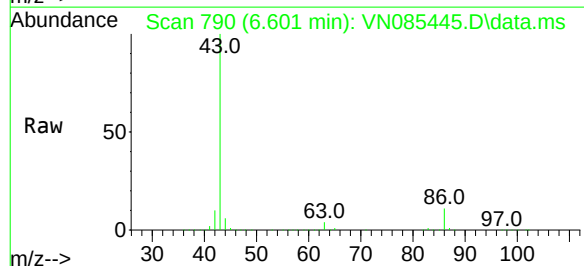
86 10.7 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#24

1,1-Dichloroethane

Concen: 44.114 ug/l

RT: 6.571 min Scan# 785

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

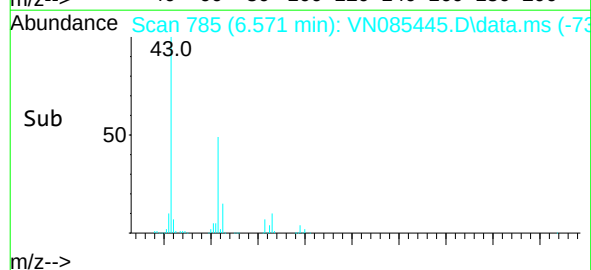
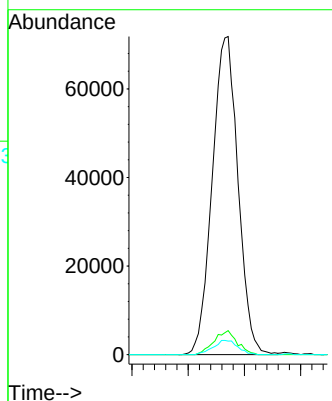
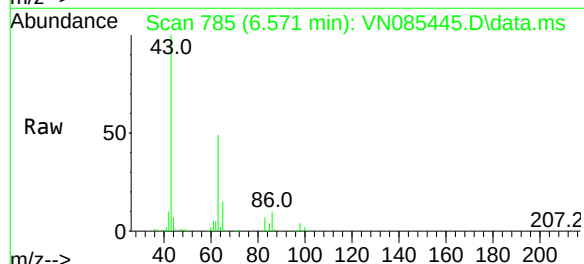
Tgt Ion: 63 Resp: 228489

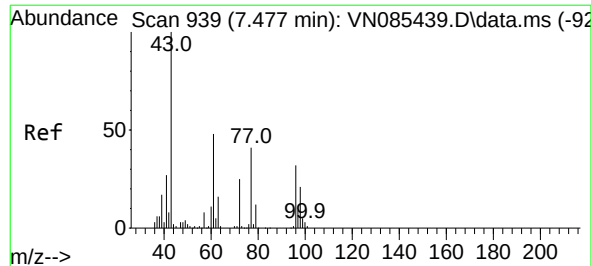
Ion Ratio Lower Upper

63 100

98 7.5 3.3 9.8

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 228.924 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 43 Resp: 386125

Ion Ratio Lower Upper

43 100

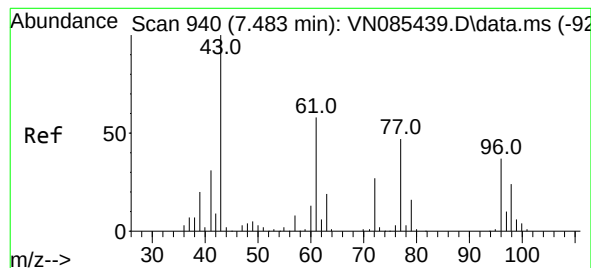
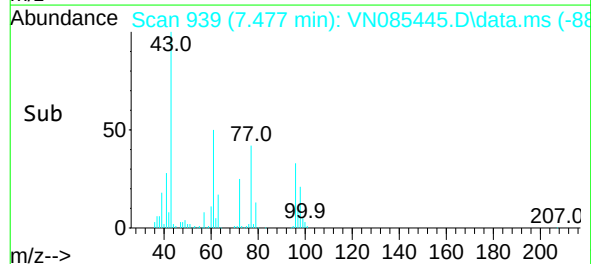
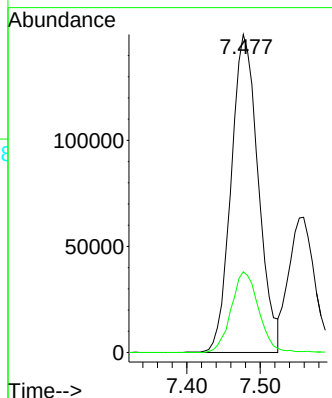
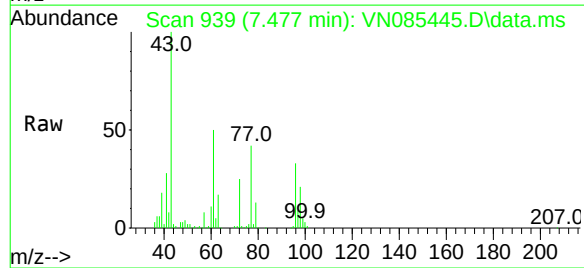
72 25.4 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#26

2,2-Dichloropropane

Concen: 47.593 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085445.D

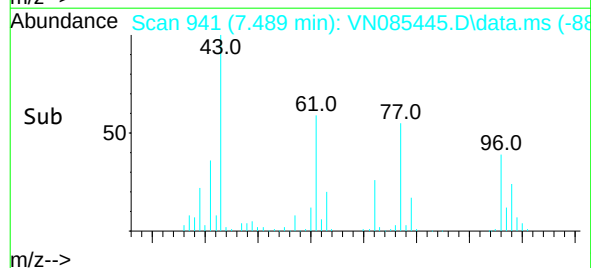
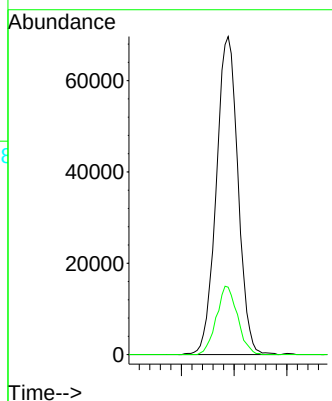
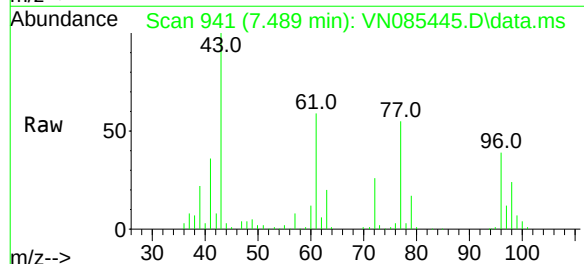
Acq: 14 Jan 2025 18:06

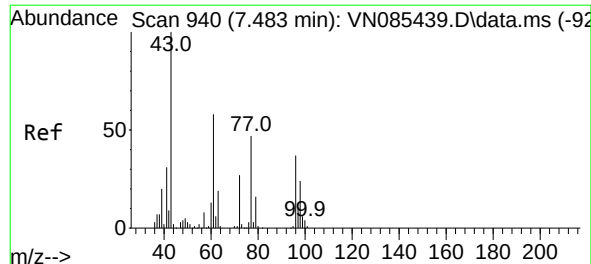
Tgt Ion: 77 Resp: 199303

Ion Ratio Lower Upper

77 100

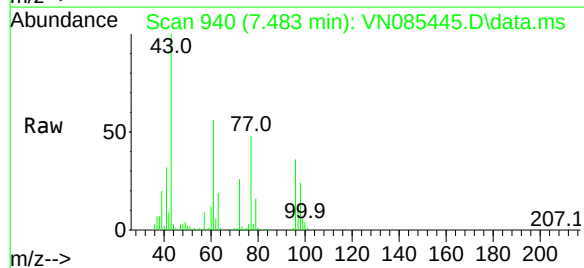
97 20.9 10.7 32.1





#27
cis-1,2-Dichloroethene
Concen: 45.446 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

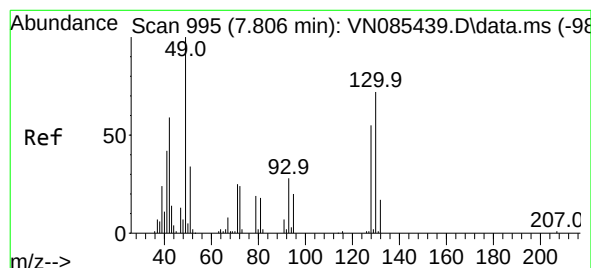
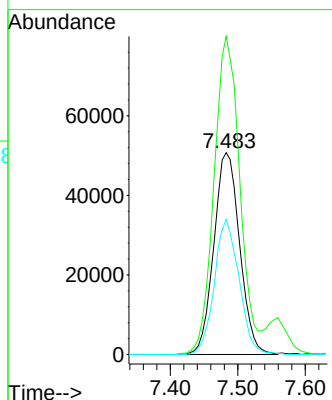
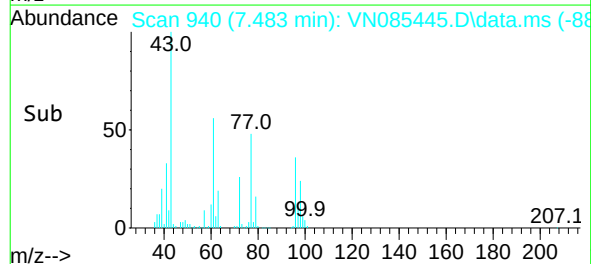
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425



Tgt Ion: 96 Resp: 134920
Ion Ratio Lower Upper
96 100
61 158.0 0.0 311.8
98 64.1 0.0 126.0

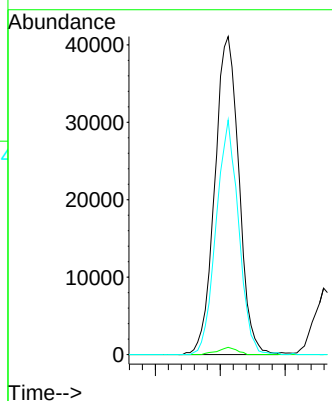
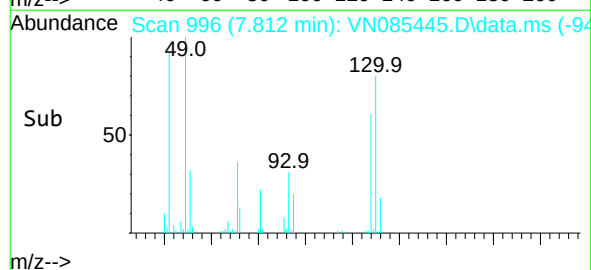
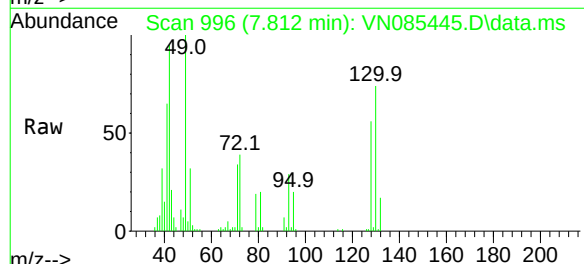
Manual Integrations
APPROVED

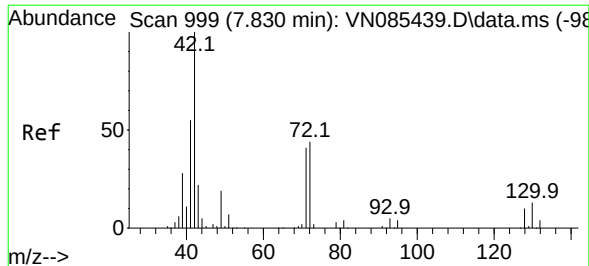
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#28
Bromochloromethane
Concen: 44.122 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 49 Resp: 106323
Ion Ratio Lower Upper
49 100
129 1.8 0.0 4.4
130 68.6 55.0 82.4





#29

Tetrahydrofuran

Concen: 239.065 ug/l

RT: 7.836 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 42 Resp: 255650

Ion Ratio Lower Upper

42 100

72 42.5 34.2 51.2

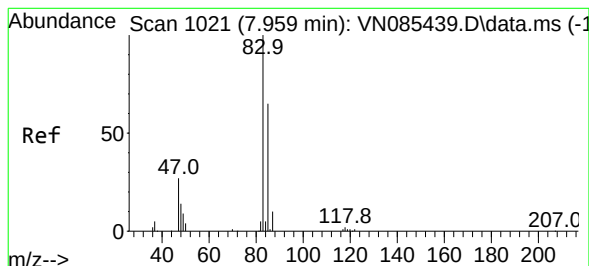
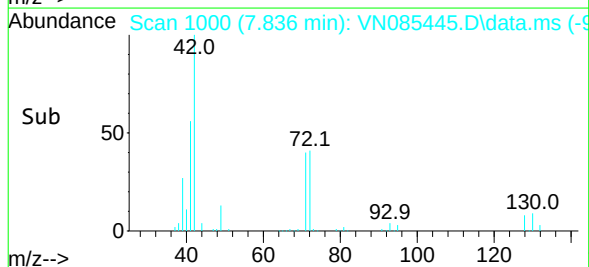
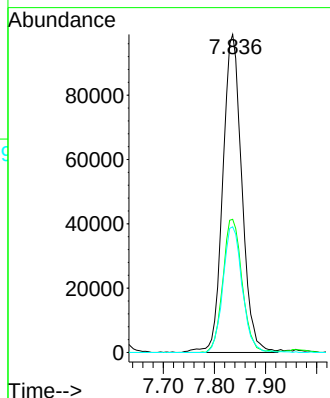
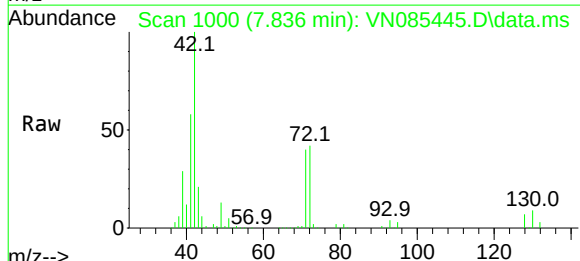
71 39.9 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#30

Chloroform

Concen: 44.071 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085445.D

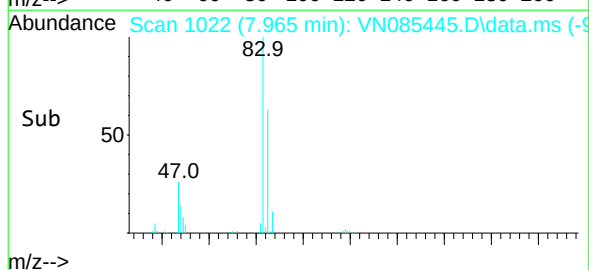
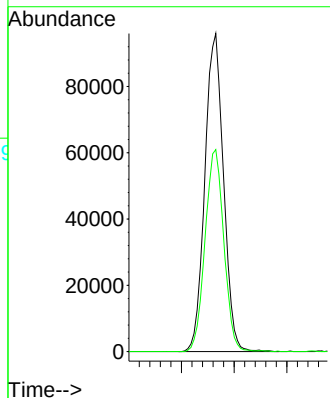
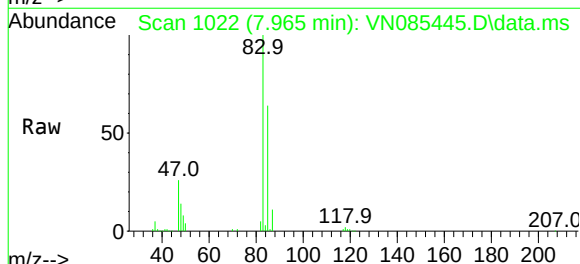
Acq: 14 Jan 2025 18:06

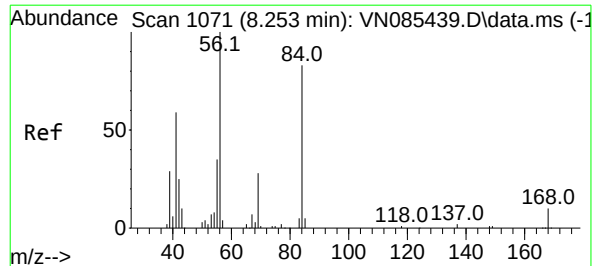
Tgt Ion: 83 Resp: 235923

Ion Ratio Lower Upper

83 100

85 63.5 51.8 77.6





#31

Cyclohexane

Concen: 42.878 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 56 Resp: 193034

Ion Ratio Lower Upper

56 100

69 30.5 22.2 33.4

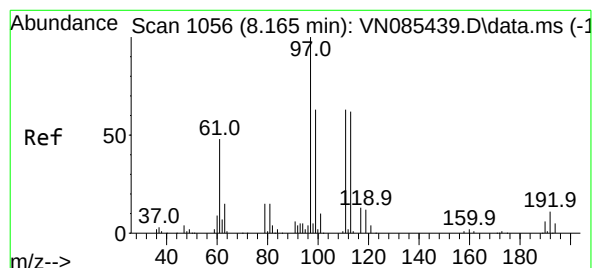
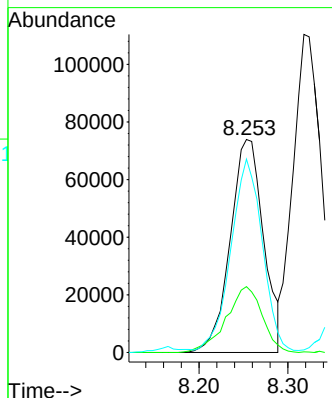
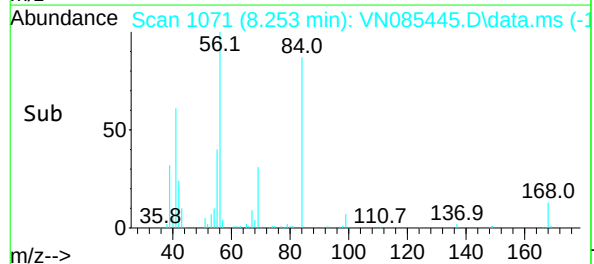
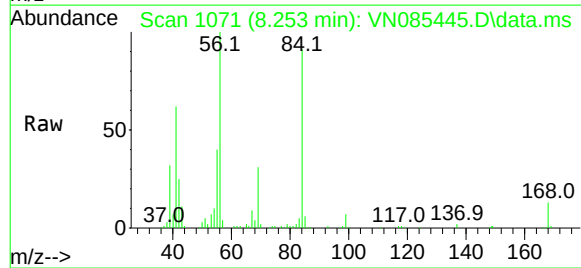
84 89.4 66.4 99.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#32

1,1,1-Trichloroethane

Concen: 44.332 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

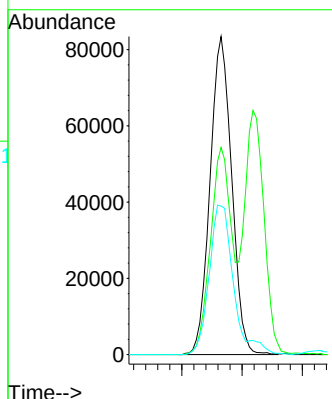
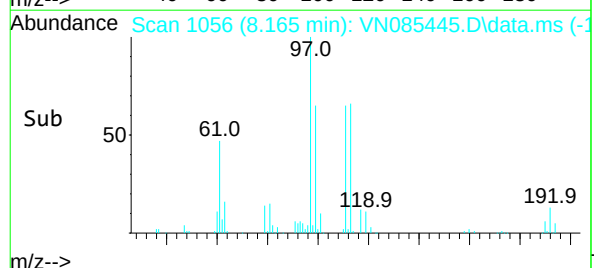
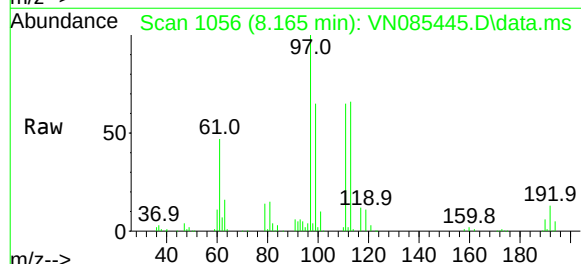
Tgt Ion: 97 Resp: 208172

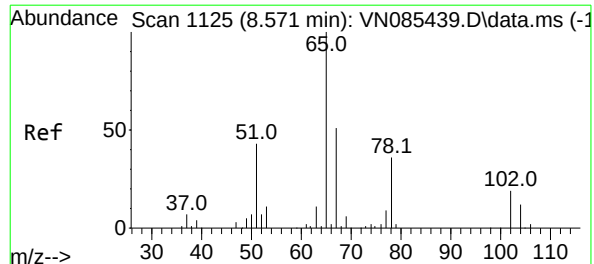
Ion Ratio Lower Upper

97 100

99 61.8 49.8 74.6

61 52.8 41.4 62.2





#33

1,2-Dichloroethane-d4

Concen: 49.782 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 65 Resp: 176594

Ion Ratio Lower Upper

65 100

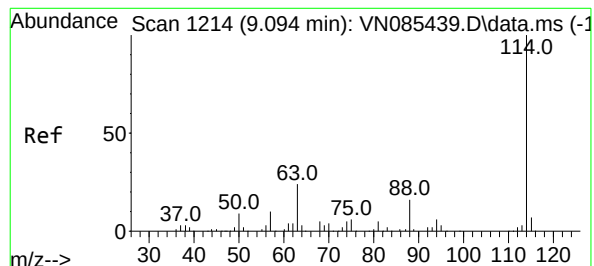
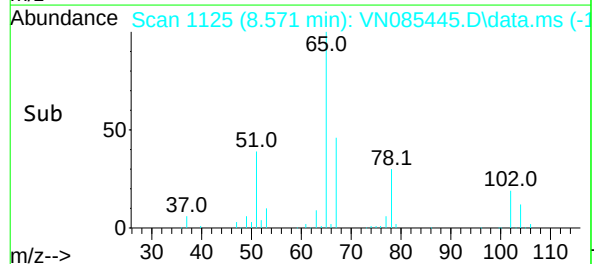
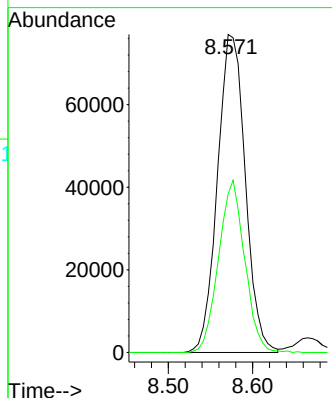
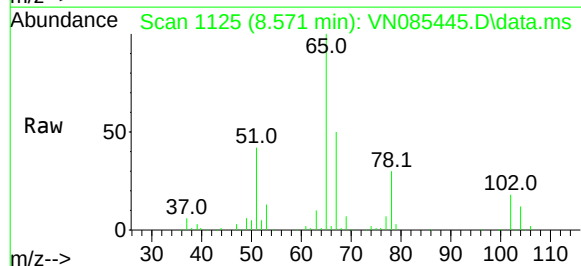
67 50.9 0.0 101.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

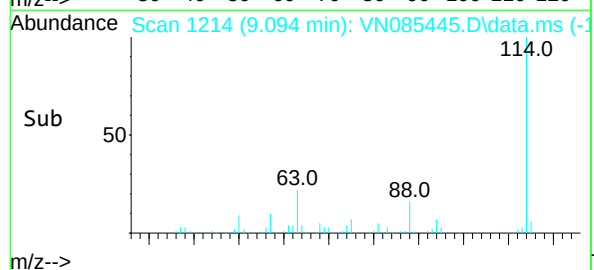
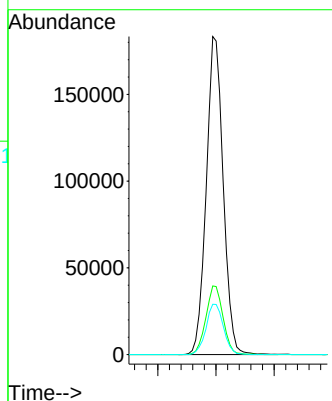
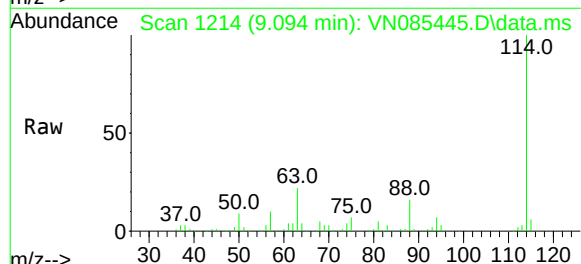
Tgt Ion:114 Resp: 370487

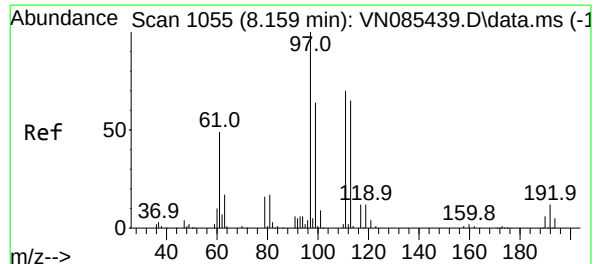
Ion Ratio Lower Upper

114 100

63 21.6 0.0 47.6

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.768 ug/l

RT: 8.165 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion:113 Resp: 130487

Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

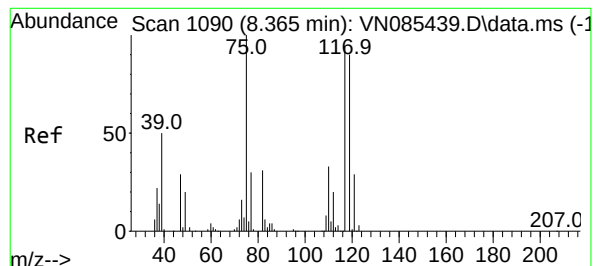
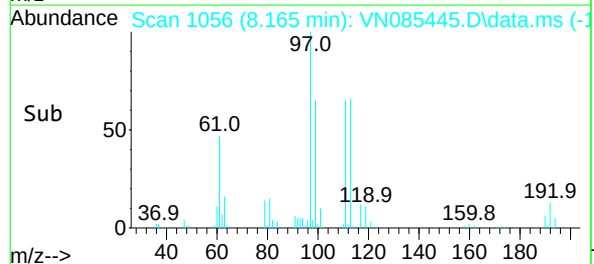
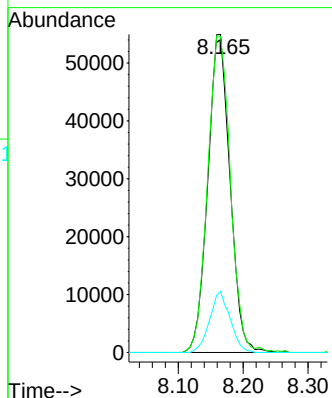
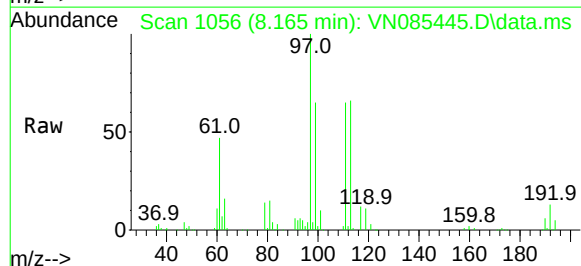
192 17.7 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#36

1,1-Dichloropropene

Concen: 44.863 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

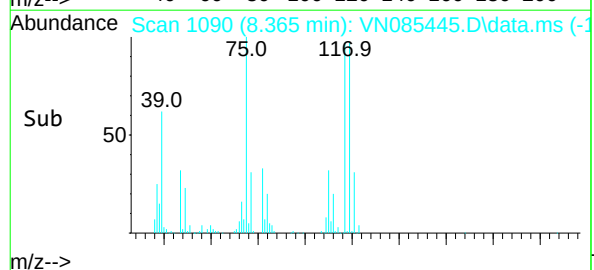
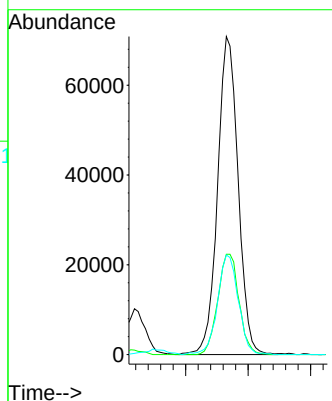
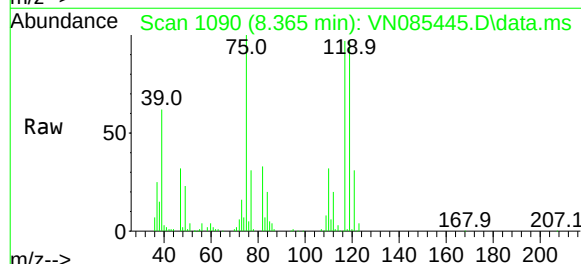
Tgt Ion: 75 Resp: 161834

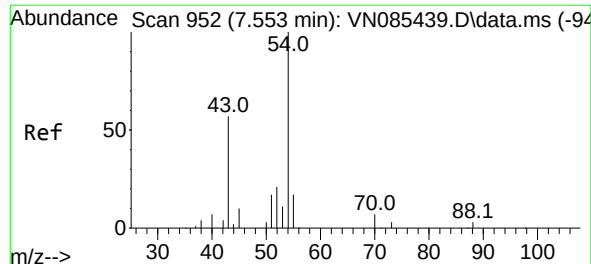
Ion Ratio Lower Upper

75 100

110 32.4 16.5 49.5

77 31.8 24.4 36.6





#37

Ethyl Acetate

Concen: 44.123 ug/l

RT: 7.559 min Scan# 952

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

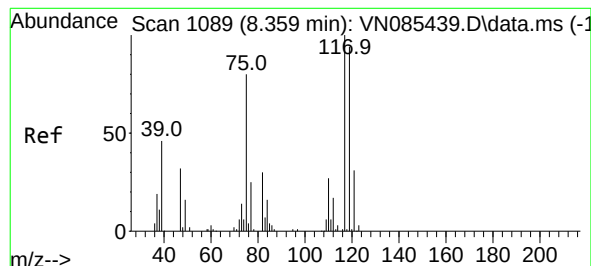
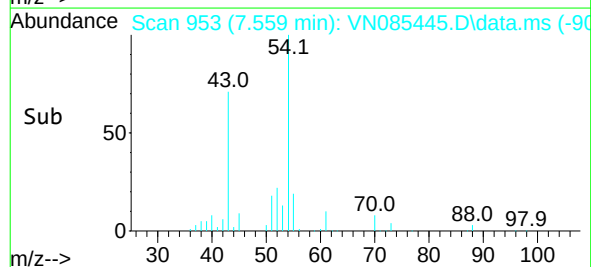
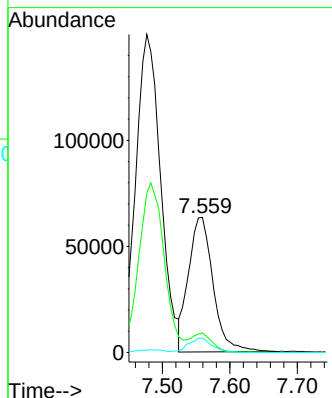
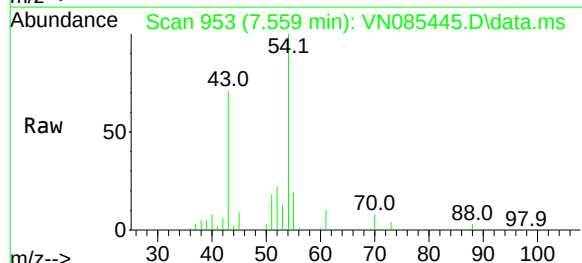
Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion:	43	Resp:	160656
Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.9	16.3
70	10.2	7.5	11.3

Manual Integrations
APPROVEDReviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

#38

Carbon Tetrachloride

Concen: 44.456 ug/l

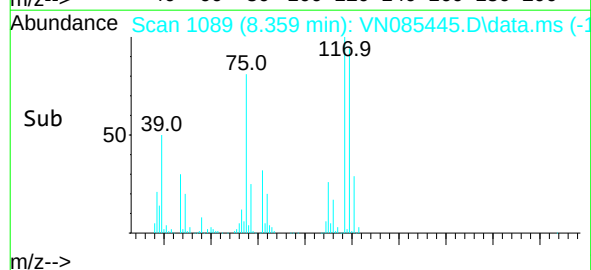
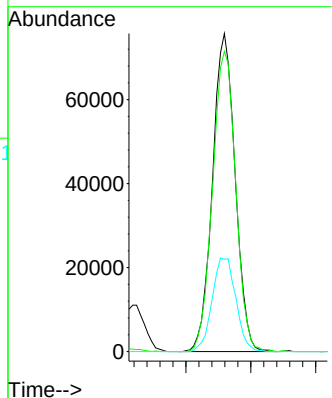
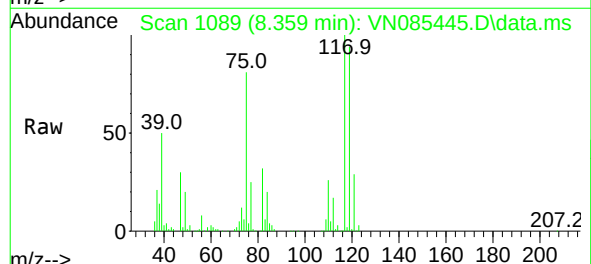
RT: 8.359 min Scan# 1089

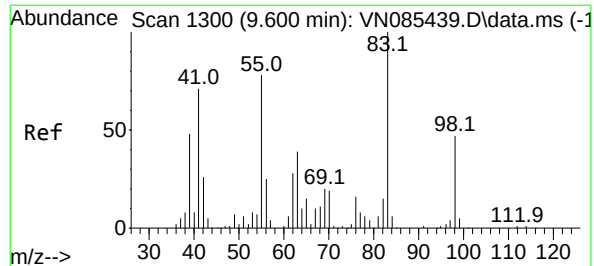
Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Tgt Ion:	117	Resp:	183592
Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.4	113.2
121	29.0	24.6	37.0





#39

Methylcyclohexane

Concen: 49.687 ug/l

RT: 9.600 min Scan# 13

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 83 Resp: 168431

Ion Ratio Lower Upper

83 100

55 80.9 62.6 94.0

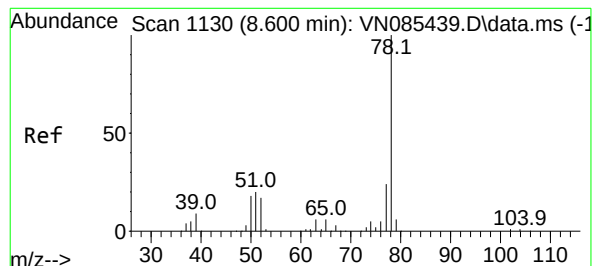
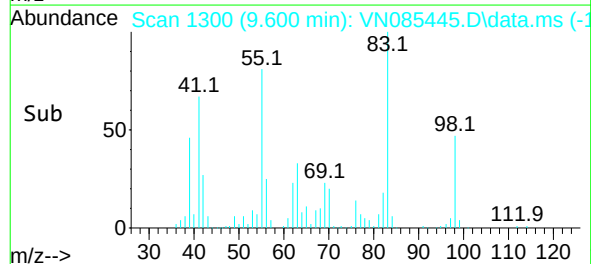
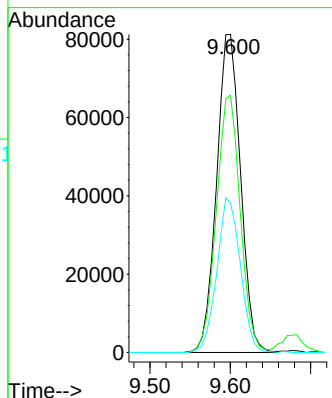
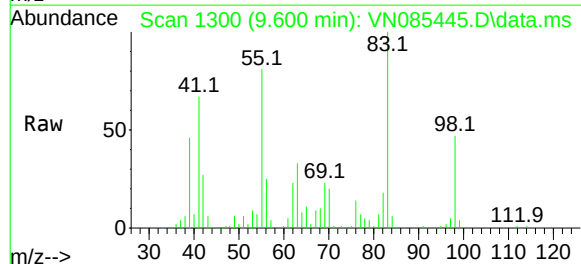
98 46.9 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#40

Benzene

Concen: 45.657 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085445.D

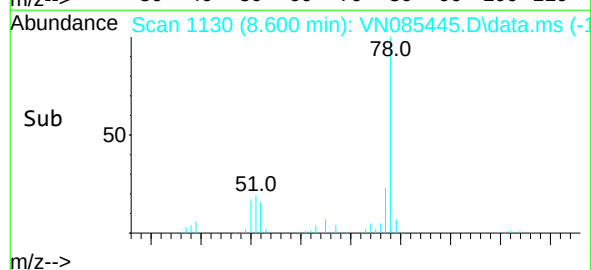
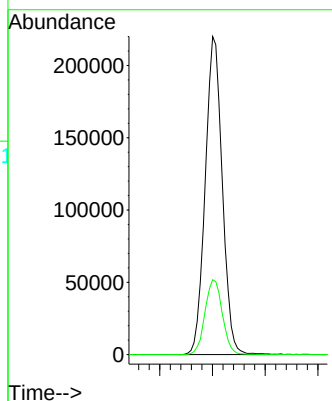
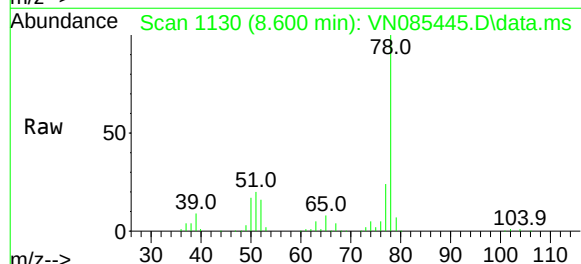
Acq: 14 Jan 2025 18:06

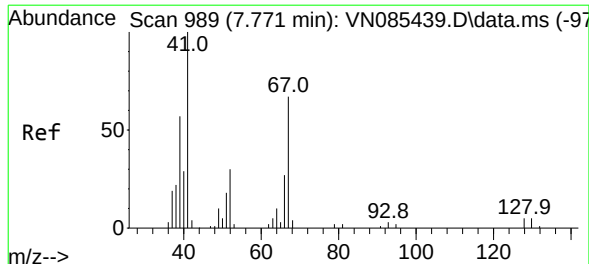
Tgt Ion: 78 Resp: 494871

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6





#41

Methacrylonitrile

Concen: 47.155 ug/l

RT: 7.777 min Scan# 99

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 41 Resp: 89326

Ion Ratio Lower Upper

41 100

39 56.6 46.0 69.0

67 70.9 57.4 86.2

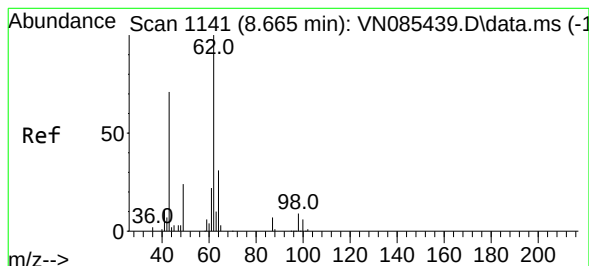
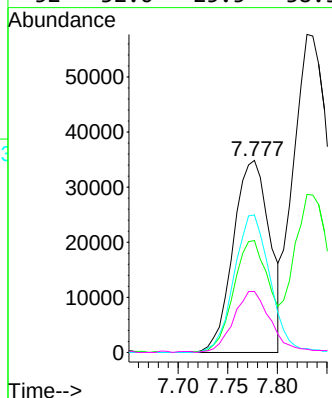
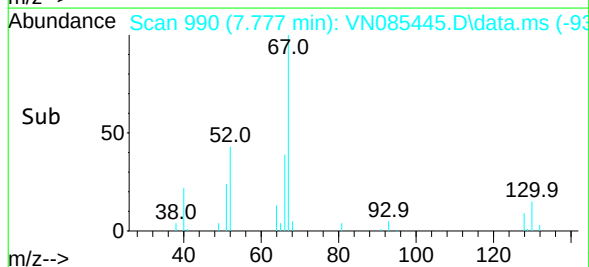
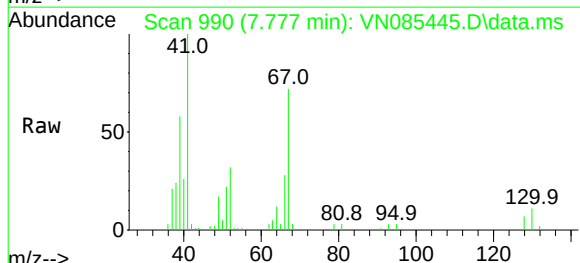
52 32.6 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#42

1,2-Dichloroethane

Concen: 45.481 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VN085445.D

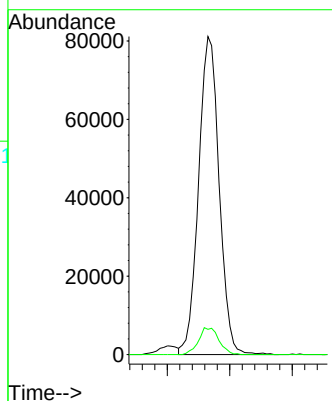
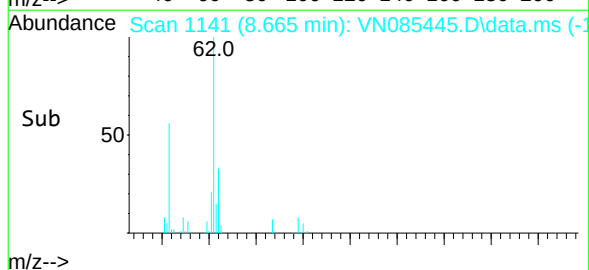
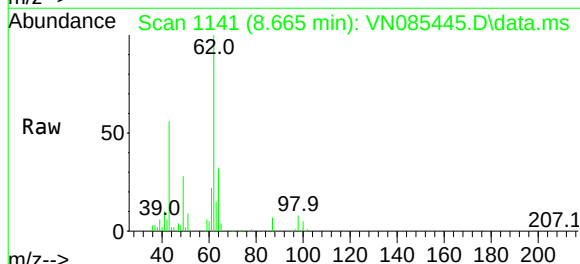
Acq: 14 Jan 2025 18:06

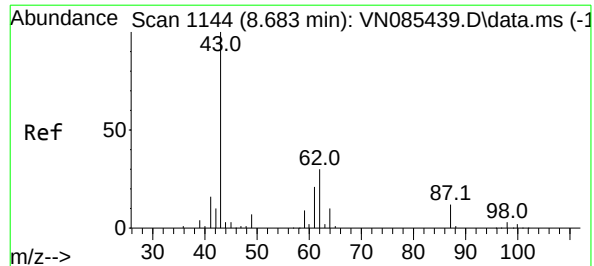
Tgt Ion: 62 Resp: 185663

Ion Ratio Lower Upper

62 100

98 8.3 0.0 17.0





#43

Isopropyl Acetate

Concen: 45.440 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

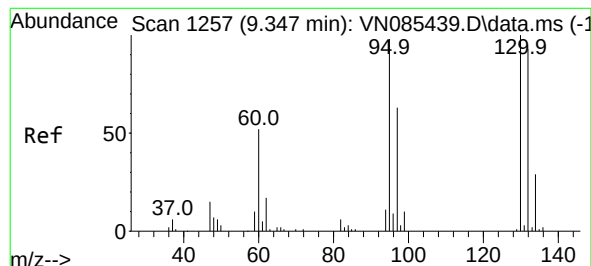
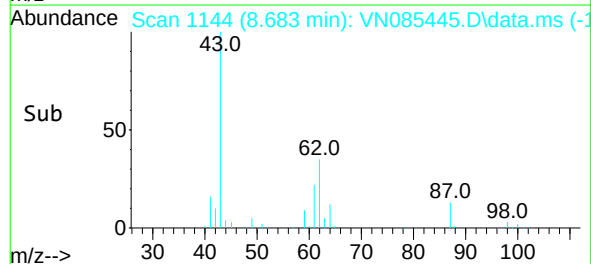
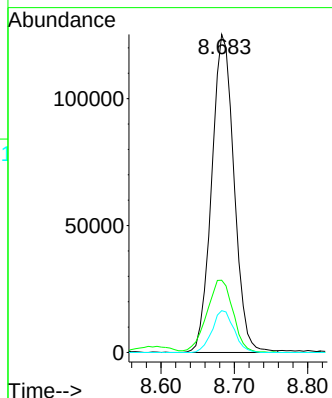
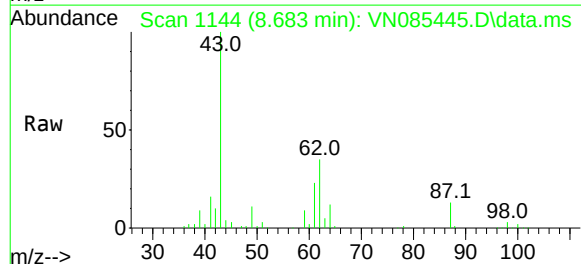
ICVVN011425

Tgt Ion:	43	Resp:	265107
Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.7	31.1
87	12.9	9.8	14.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#44

Trichloroethene

Concen: 43.622 ug/l

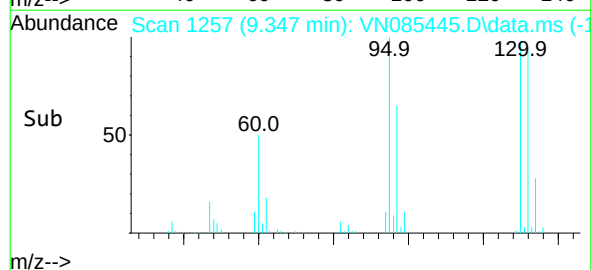
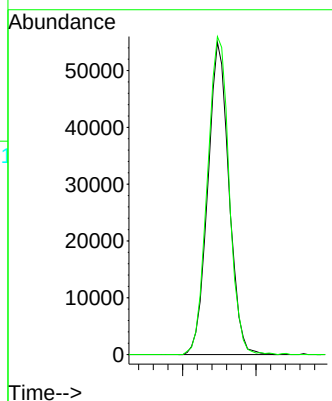
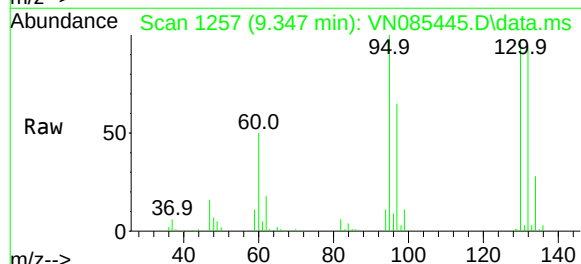
RT: 9.347 min Scan# 1257

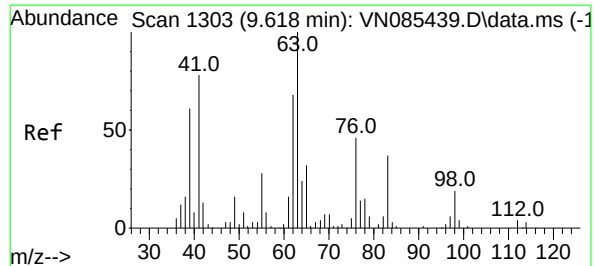
Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Tgt Ion:	130	Resp:	110058
Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	195.8





#45

1,2-Dichloropropane

Concen: 44.744 ug/l

RT: 9.618 min Scan# 13

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 63 Resp: 123876

Ion Ratio Lower Upper

63 100

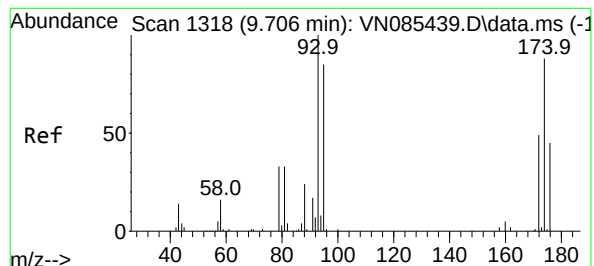
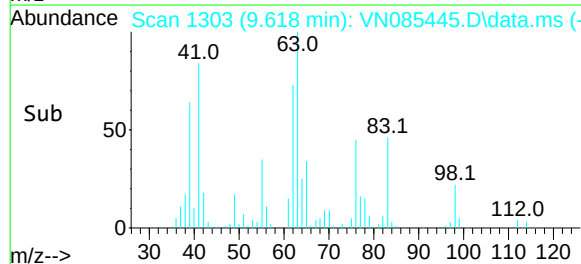
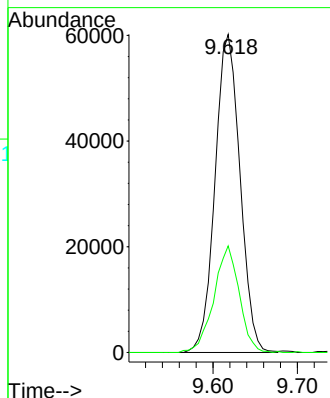
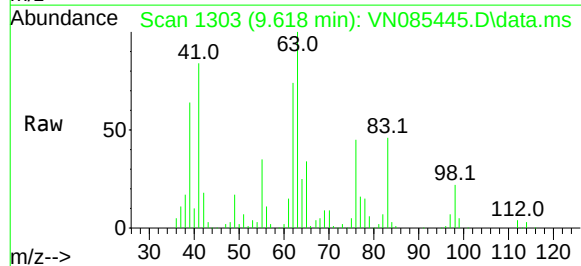
65 33.5 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#46

Dibromomethane

Concen: 44.214 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. -0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

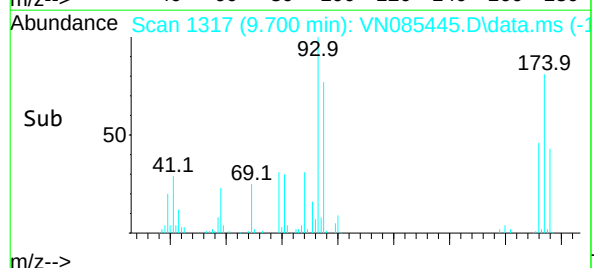
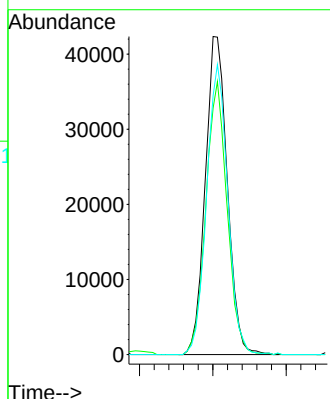
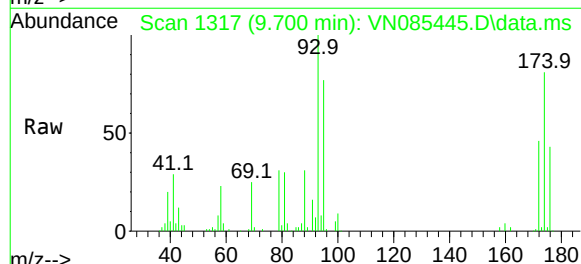
Tgt Ion: 93 Resp: 88325

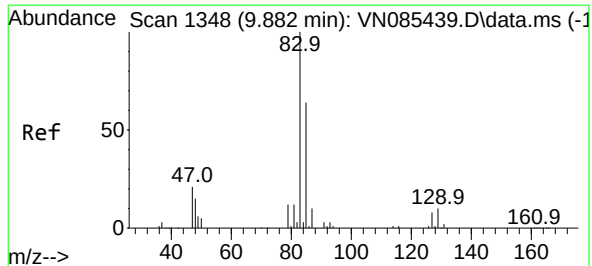
Ion Ratio Lower Upper

93 100

95 82.9 64.7 97.1

174 88.0 69.0 103.4





#47

Bromodichloromethane

Concen: 45.655 ug/l

RT: 9.889 min Scan# 1348

Delta R.T. 0.007 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 83 Resp: 185808

Ion Ratio Lower Upper

83 100

85 63.5 51.2 76.8

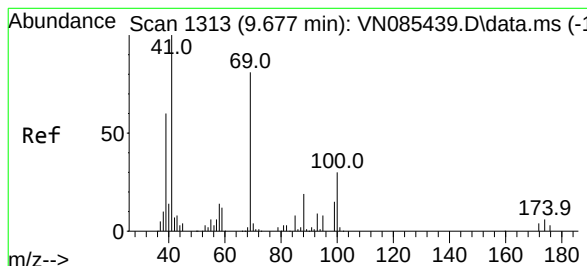
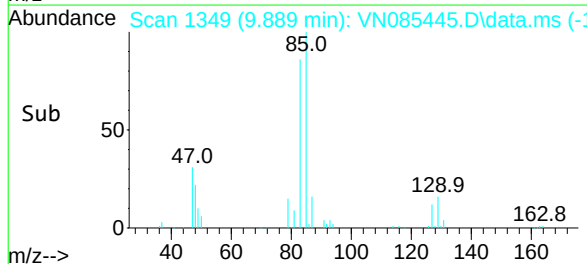
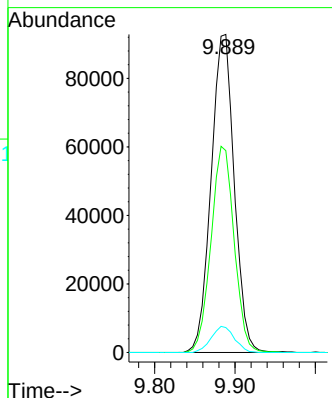
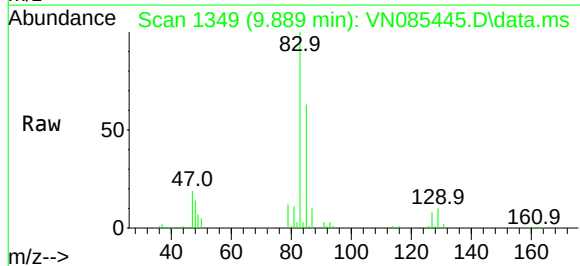
127 7.8 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#48

Methyl methacrylate

Concen: 49.948 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

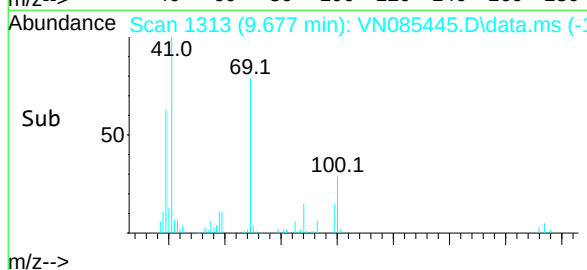
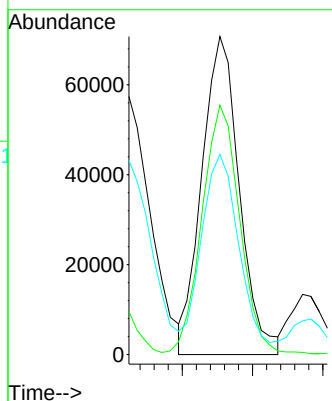
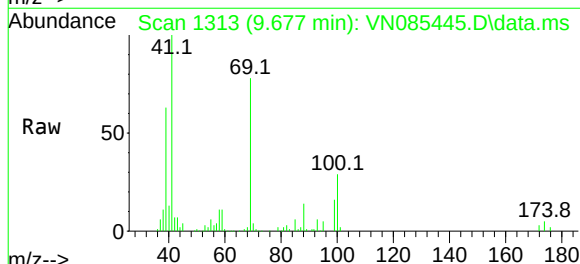
Tgt Ion: 41 Resp: 131142

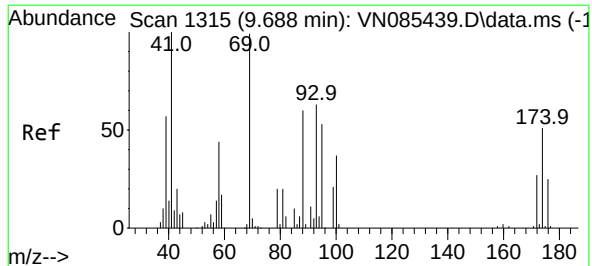
Ion Ratio Lower Upper

41 100

69 78.6 64.7 97.1

39 63.3 49.0 73.6





#49

1,4-Dioxane

Concen: 792.760 ug/l

RT: 9.689 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 88 Resp: 35051

Ion Ratio Lower Upper

88 100

43 33.8 26.6 39.8

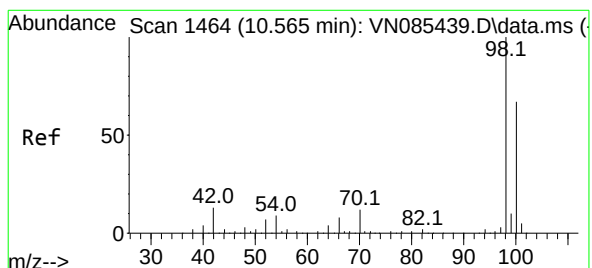
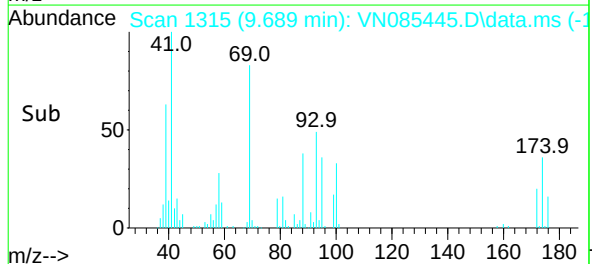
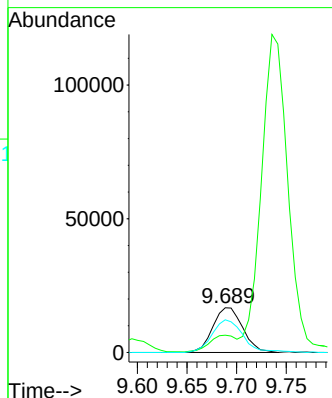
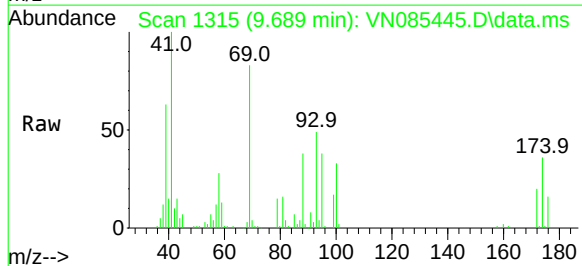
58 76.1 59.5 89.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#50

Toluene-d8

Concen: 52.302 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085445.D

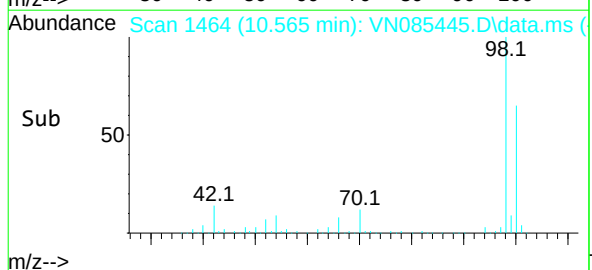
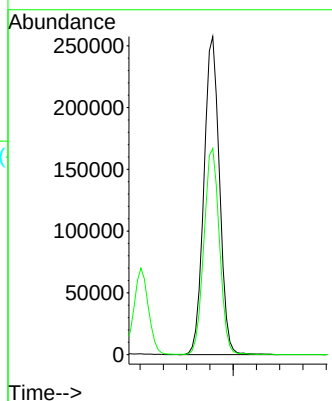
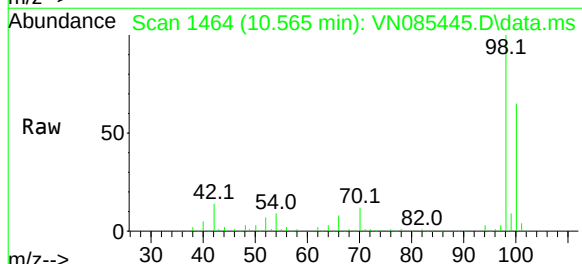
Acq: 14 Jan 2025 18:06

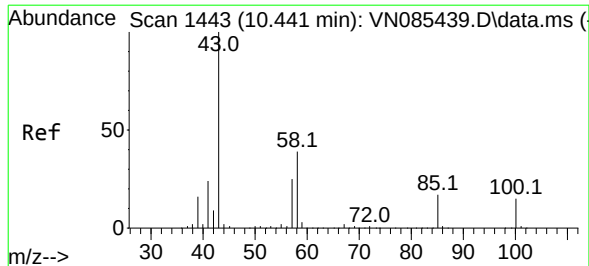
Tgt Ion: 98 Resp: 477630

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4





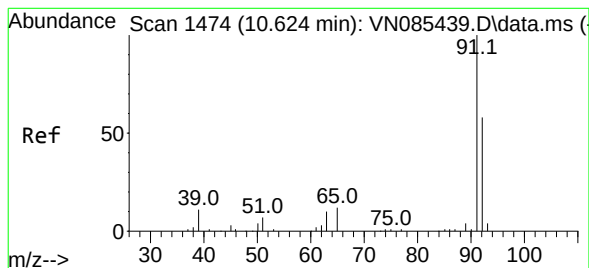
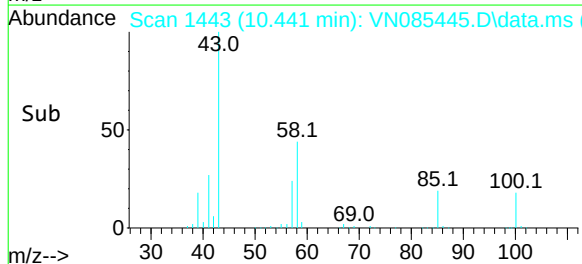
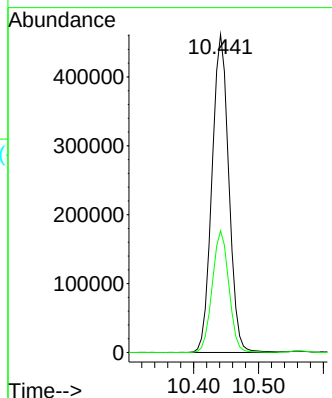
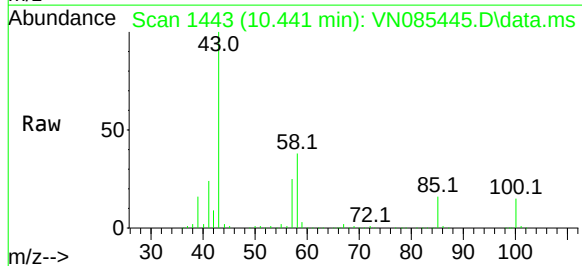
#51
4-Methyl-2-Pentanone
Concen: 245.877 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 43 Resp: 832426
Ion Ratio Lower Upper
43 100
58 37.8 30.5 45.7

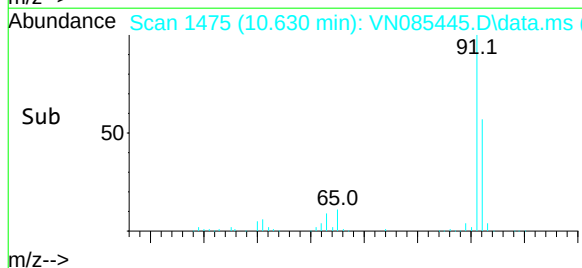
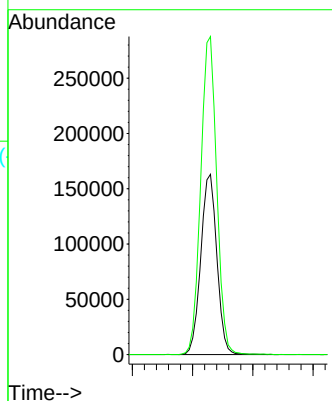
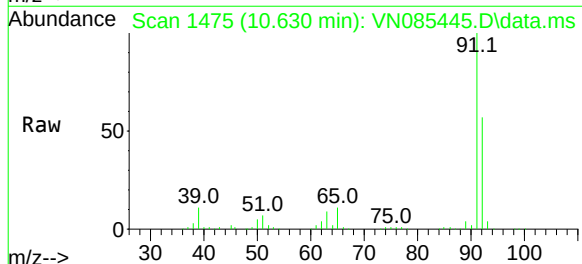
Manual Integrations
APPROVED

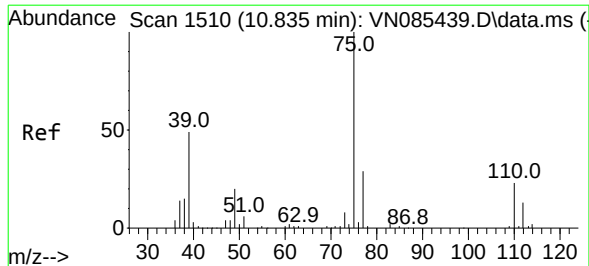
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#52
Toluene
Concen: 48.073 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 92 Resp: 301911
Ion Ratio Lower Upper
92 100
91 175.7 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 47.757 ug/l

RT: 10.830 min Scan# 1510

Delta R.T. -0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 75 Resp: 183680

Ion Ratio Lower Upper

75 100

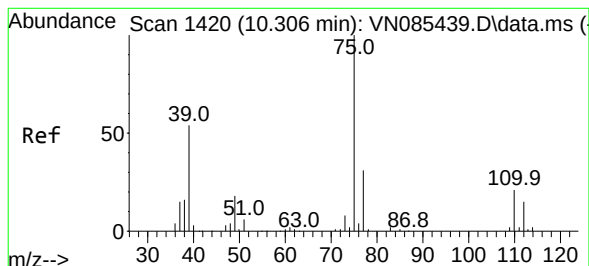
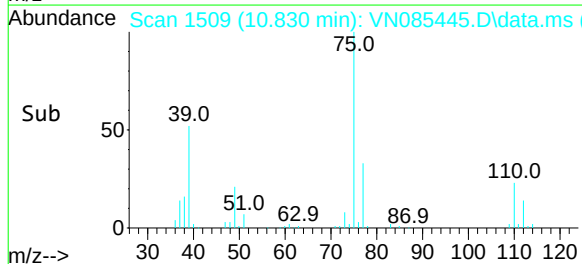
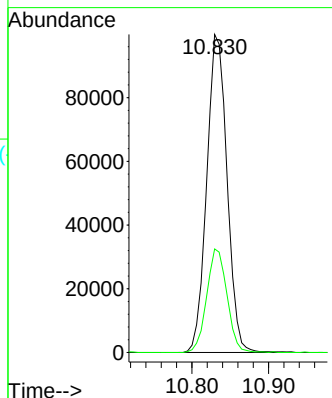
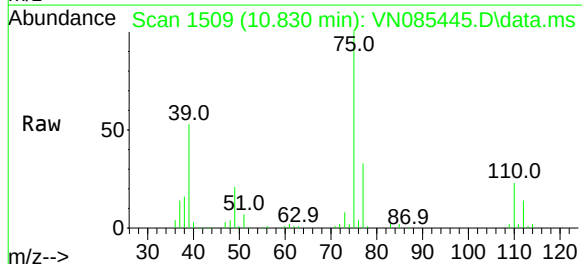
77 32.6 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#54

cis-1,3-Dichloropropene

Concen: 47.783 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

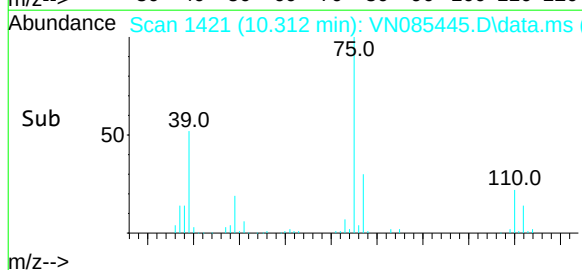
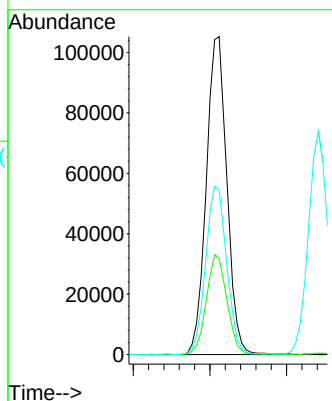
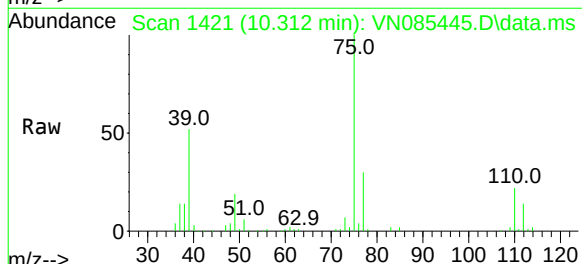
Tgt Ion: 75 Resp: 196307

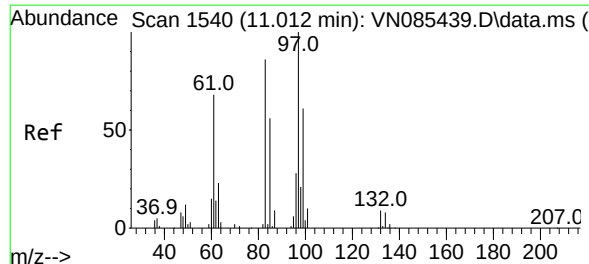
Ion Ratio Lower Upper

75 100

77 30.2 25.0 37.4

39 51.9 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 46.173 ug/l

RT: 11.012 min Scan# 15

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 97 Resp: 114757

Ion Ratio Lower Upper

97 100

83 83.7 69.0 103.6

85 53.2 44.6 66.8

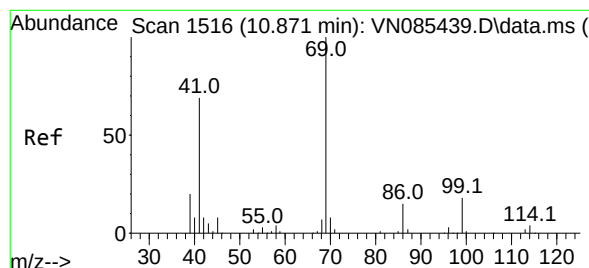
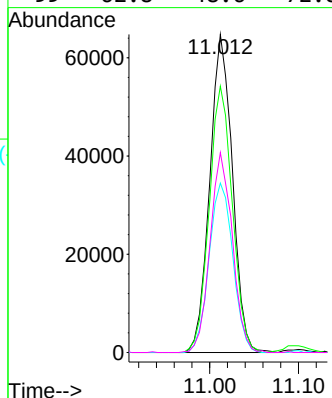
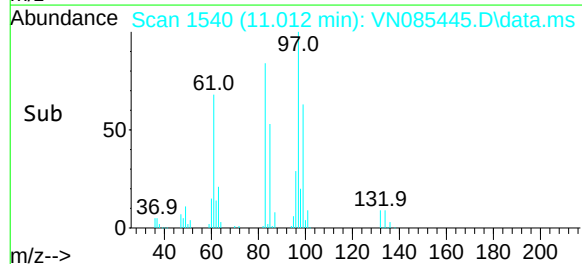
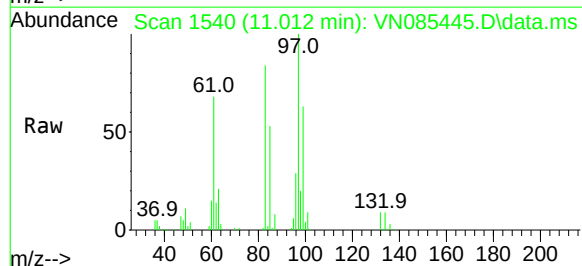
99 62.8 48.6 72.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#56

Ethyl methacrylate

Concen: 43.762 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

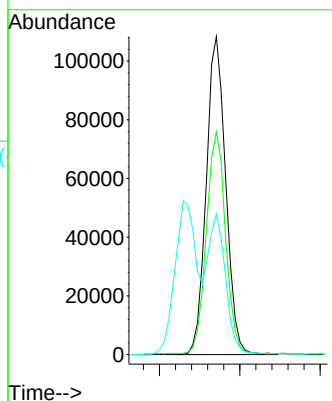
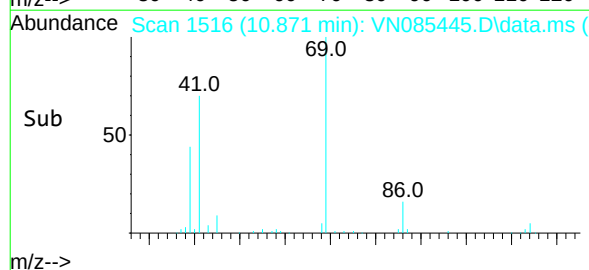
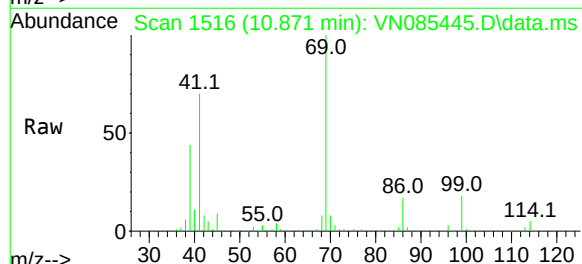
Tgt Ion: 69 Resp: 182170

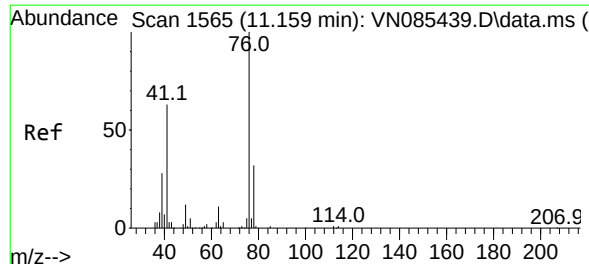
Ion Ratio Lower Upper

69 100

41 70.4 54.6 82.0

39 40.2 32.4 48.6





#57

1,3-Dichloropropane

Concen: 46.877 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 76 Resp: 202583

Ion Ratio Lower Upper

76 100

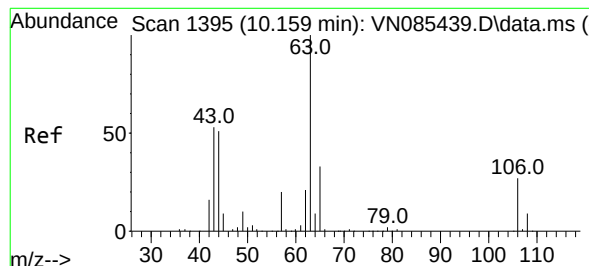
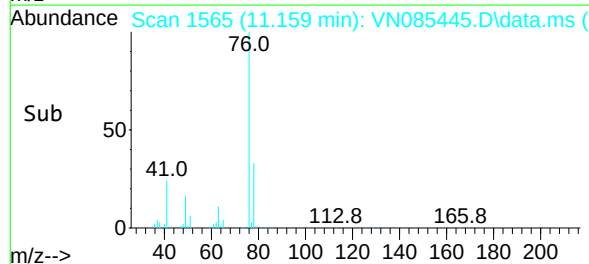
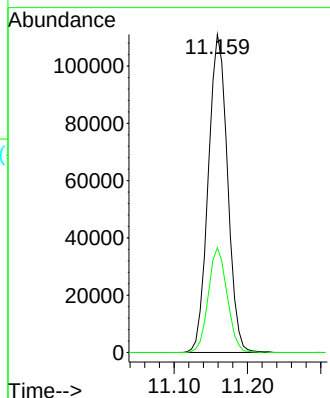
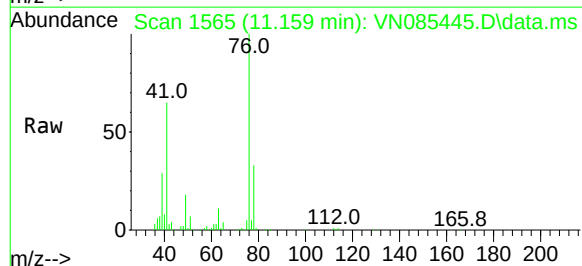
78 32.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#58

2-Chloroethyl Vinyl ether

Concen: 256.116 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085445.D

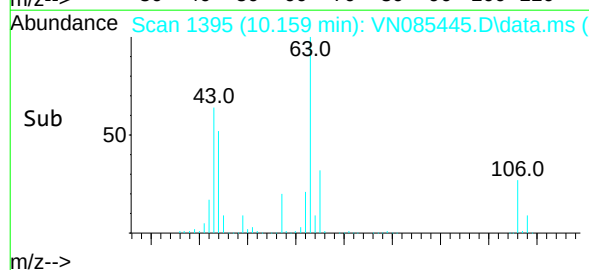
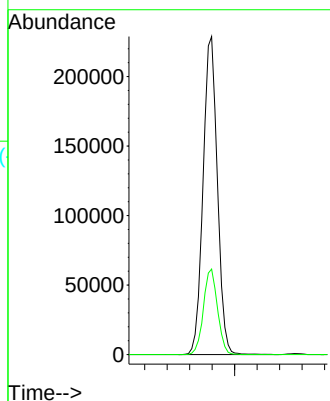
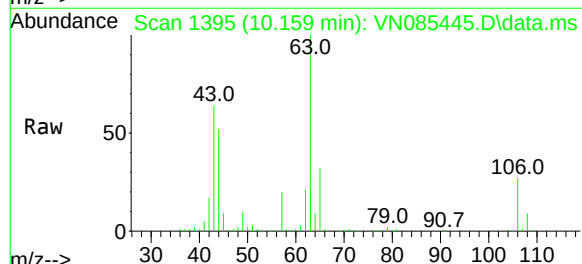
Acq: 14 Jan 2025 18:06

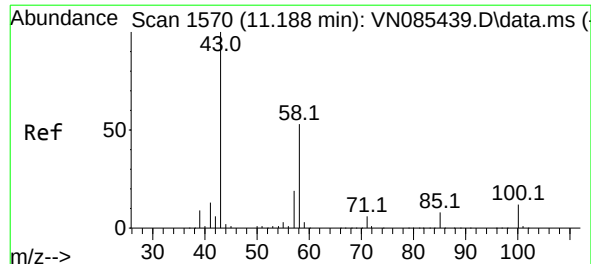
Tgt Ion: 63 Resp: 403949

Ion Ratio Lower Upper

63 100

106 26.4 21.6 32.4





#59

2-Hexanone

Concen: 251.213 ug/l

RT: 11.194 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 43 Resp: 598433

Ion Ratio Lower Upper

43 100

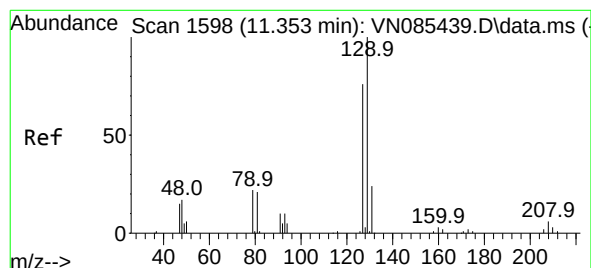
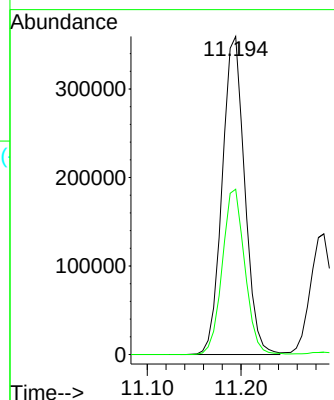
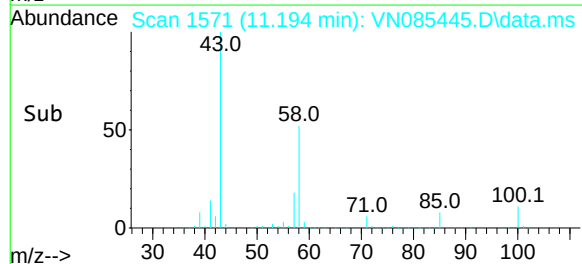
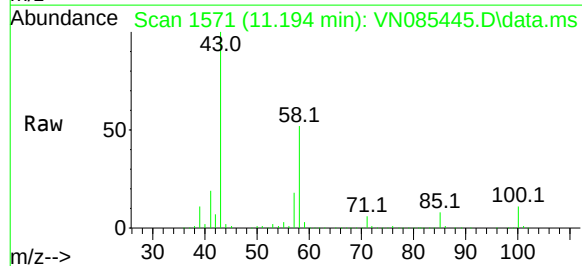
58 52.1 26.2 78.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#60

Dibromochloromethane

Concen: 45.935 ug/l

RT: 11.353 min Scan# 1598

Delta R.T. 0.000 min

Lab File: VN085445.D

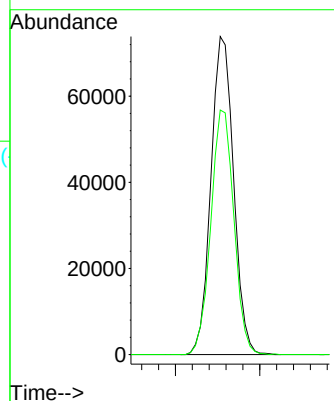
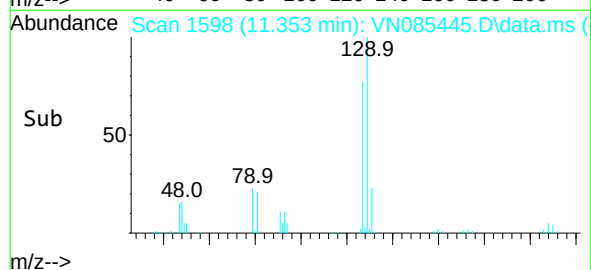
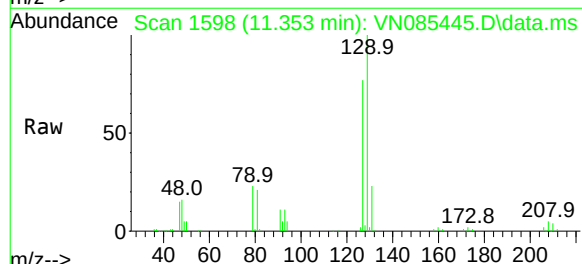
Acq: 14 Jan 2025 18:06

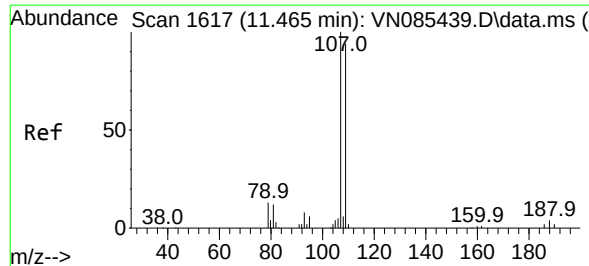
Tgt Ion:129 Resp: 137831

Ion Ratio Lower Upper

129 100

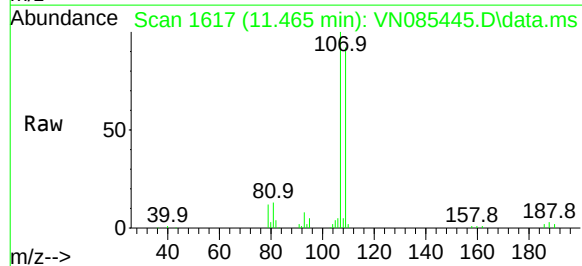
127 78.1 38.6 115.8





#61
1,2-Dibromoethane
Concen: 44.837 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

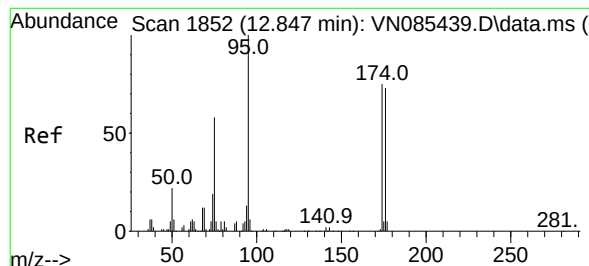
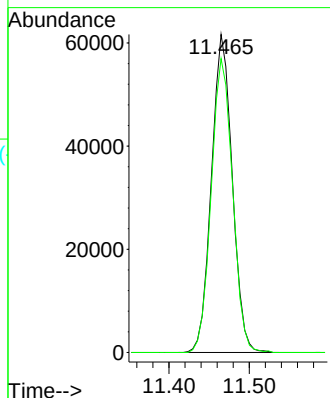
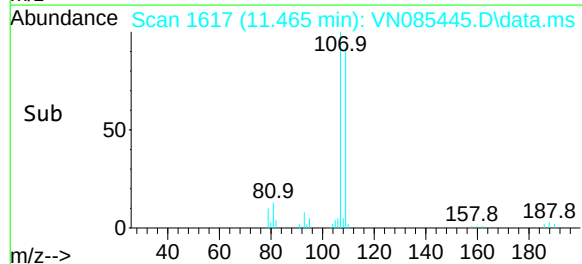
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425



Tgt Ion: 107 Resp: 110926
Ion Ratio Lower Upper
107 100
109 94.7 75.9 113.9

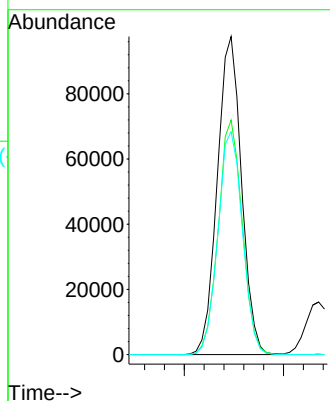
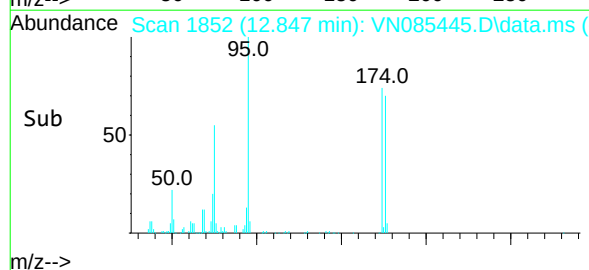
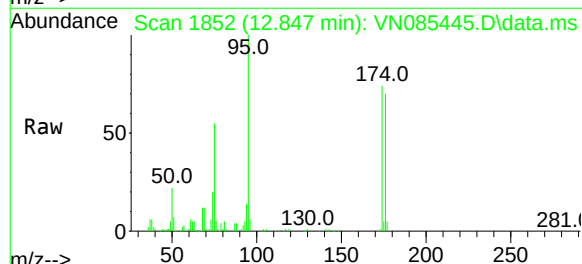
Manual Integrations
APPROVED

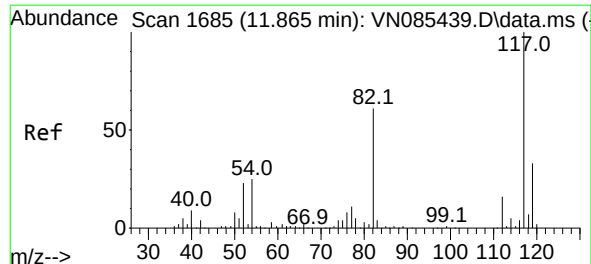
Reviewed By : John Carlone 01/15/2025
Supervised By : Mahesh Dadoda 01/15/2025



#62
4-Bromofluorobenzene
Concen: 52.899 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 95 Resp: 165249
Ion Ratio Lower Upper
95 100
174 73.1 0.0 145.0
176 70.8 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion:117 Resp: 320948

Ion Ratio Lower Upper

117 100

82 60.1 48.6 72.8

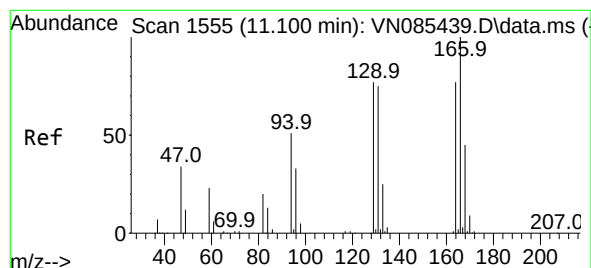
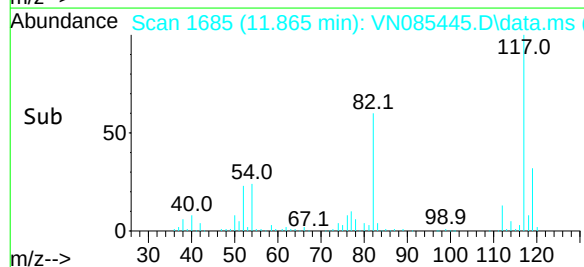
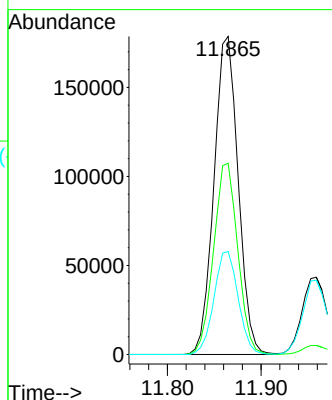
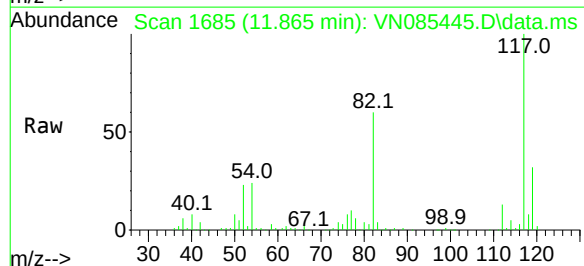
119 32.4 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#64

Tetrachloroethene

Concen: 44.886 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Tgt Ion:164 Resp: 98211

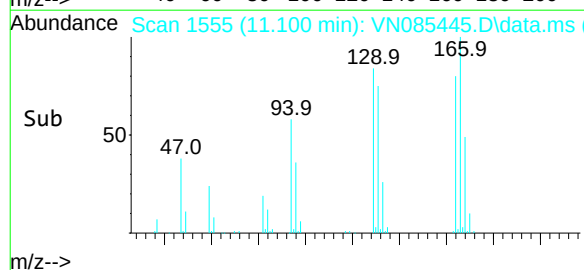
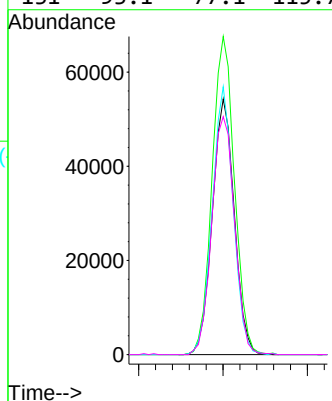
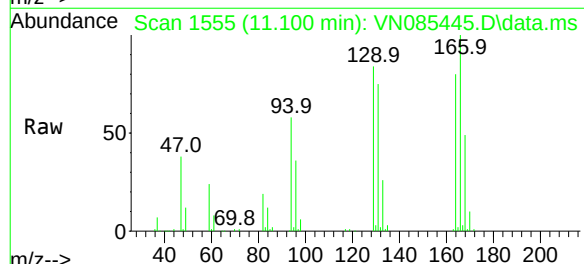
Ion Ratio Lower Upper

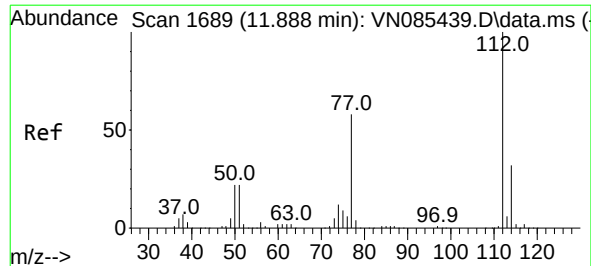
164 100

166 124.4 103.4 155.2

129 104.8 79.2 118.8

131 93.1 77.1 115.7





#65

Chlorobenzene

Concen: 45.901 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion:112 Resp: 322723

Ion Ratio Lower Upper

112 100

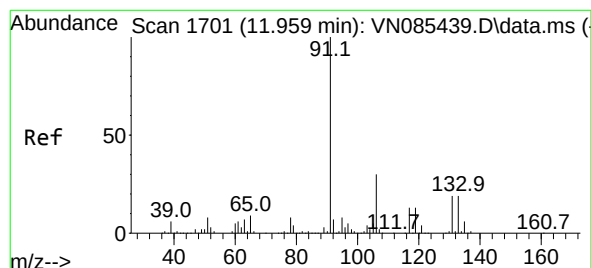
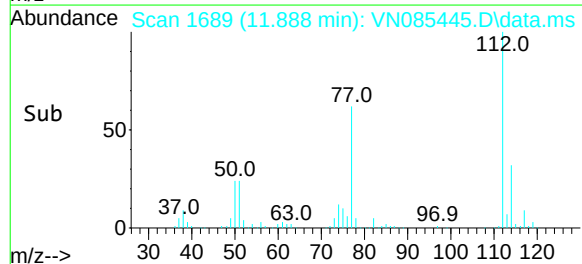
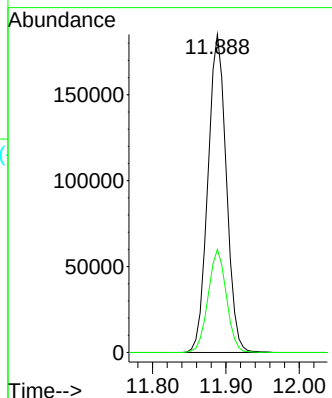
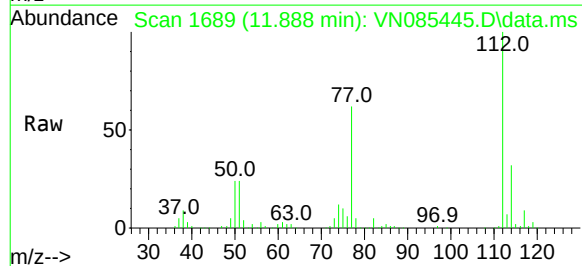
114 32.4 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 44.712 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

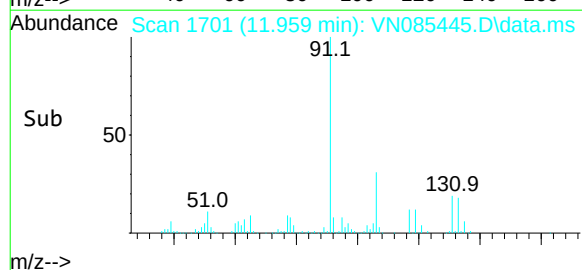
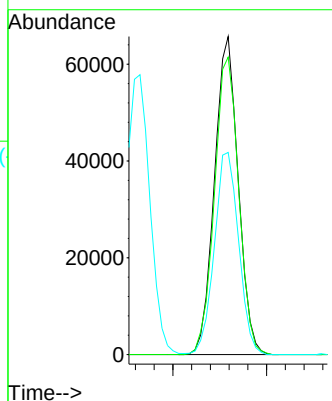
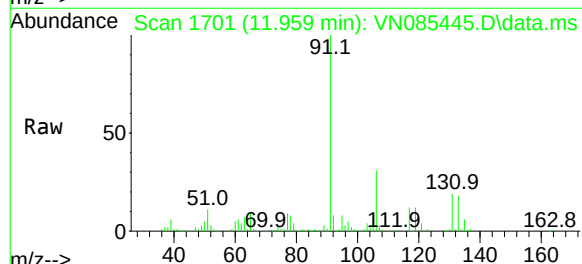
Tgt Ion:131 Resp: 115379

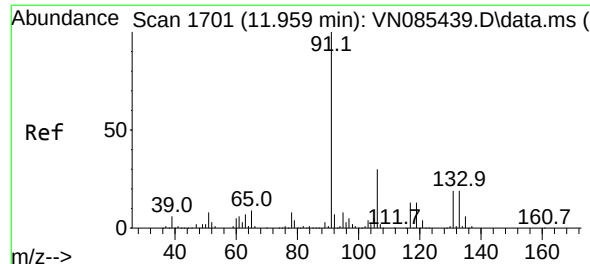
Ion Ratio Lower Upper

131 100

133 95.8 47.4 142.3

119 65.2 33.1 99.5





#67

Ethyl Benzene

Concen: 50.391 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 91 Resp: 577059

Ion Ratio Lower Upper

91 100

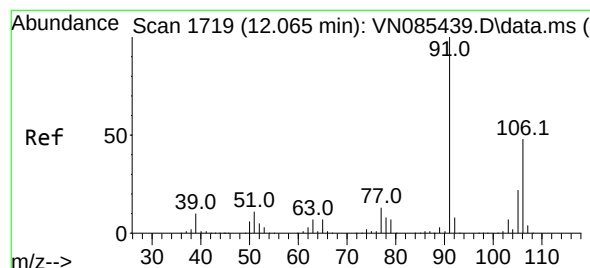
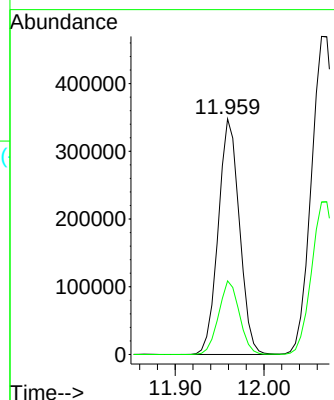
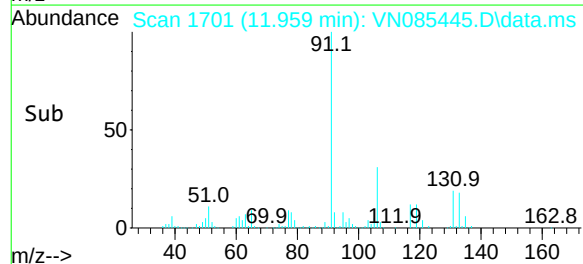
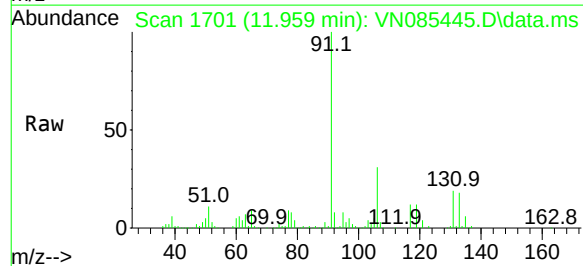
106 31.2 23.8 35.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#68

m/p-Xylenes

Concen: 103.341 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.006 min

Lab File: VN085445.D

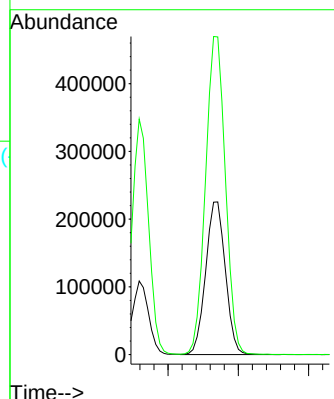
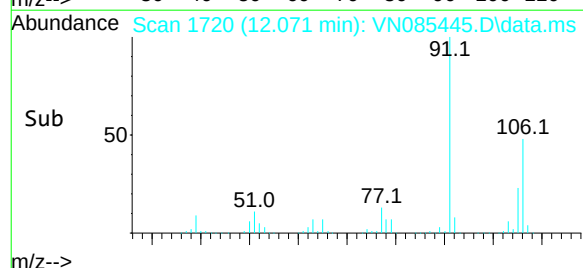
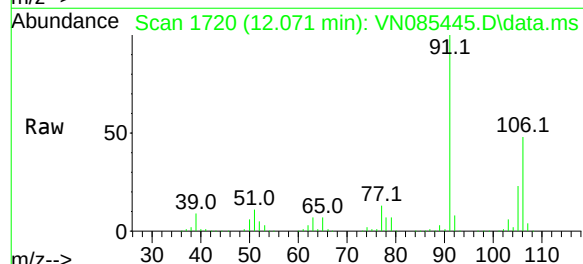
Acq: 14 Jan 2025 18:06

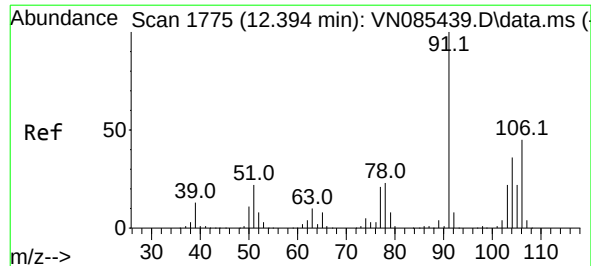
Tgt Ion:106 Resp: 437367

Ion Ratio Lower Upper

106 100

91 210.1 167.7 251.5





#69

o-Xylene

Concen: 52.093 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion:106 Resp: 210698

Ion Ratio Lower Upper

106 100

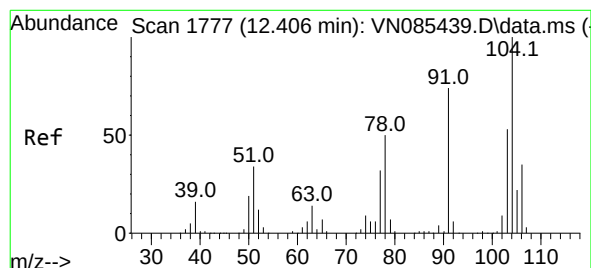
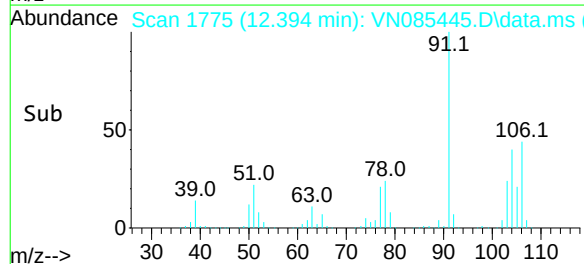
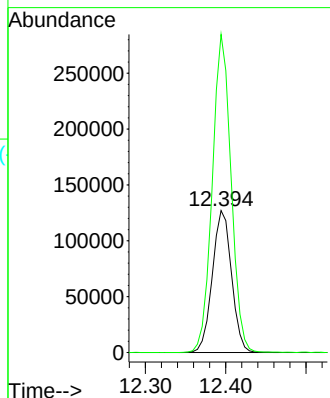
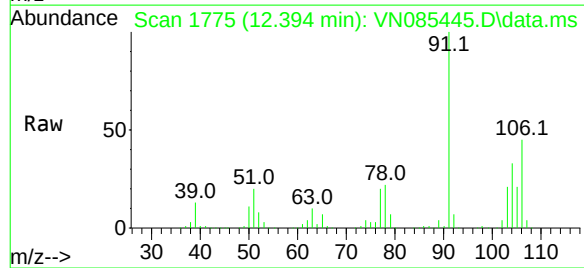
91 219.9 110.4 331.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#70

Styrene

Concen: 53.103 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

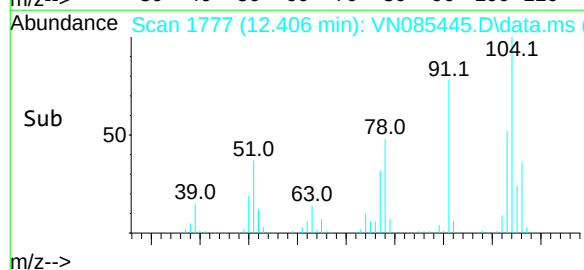
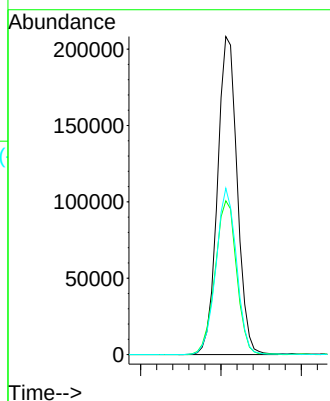
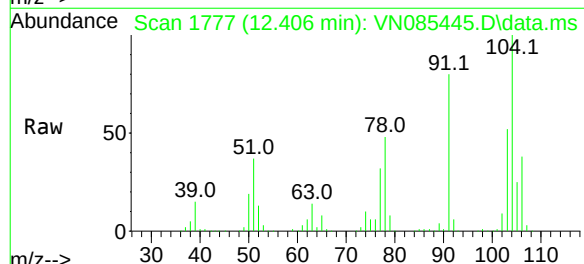
Tgt Ion:104 Resp: 355459

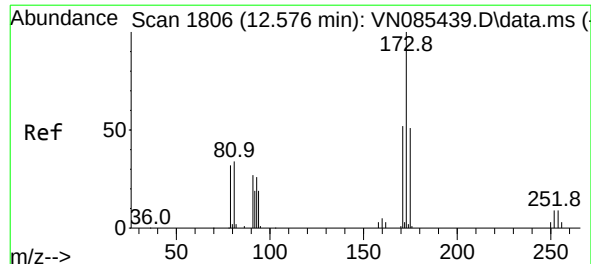
Ion Ratio Lower Upper

104 100

78 52.8 42.5 63.7

103 54.5 43.8 65.8





#71

Bromoform

Concen: 49.119 ug/l

RT: 12.577 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

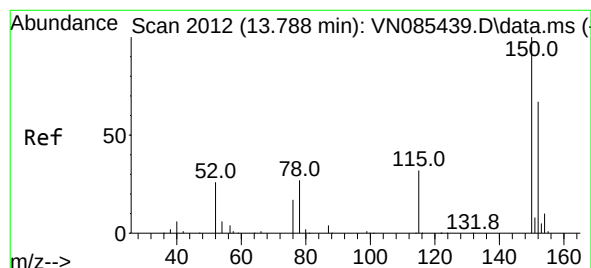
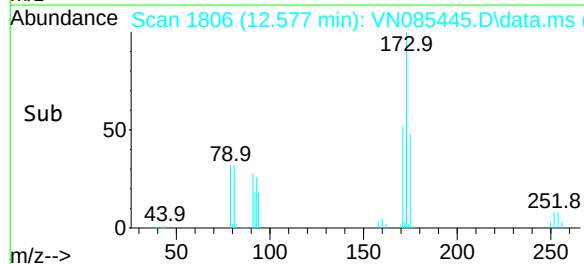
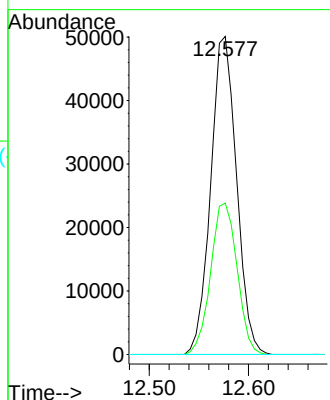
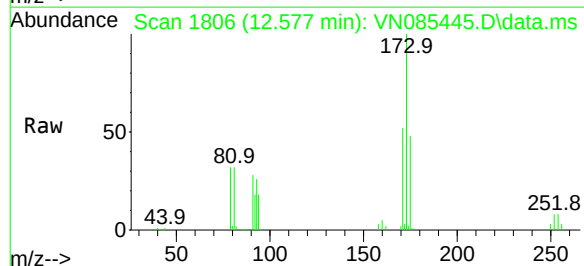
ICVVN011425

Tgt Ion:	173	Resp:	90693
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

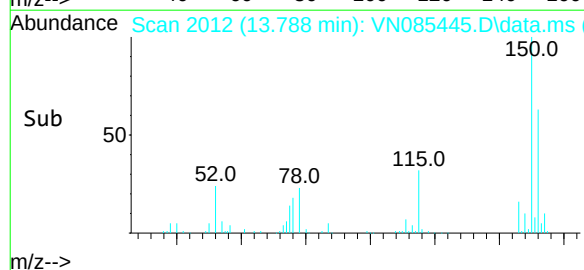
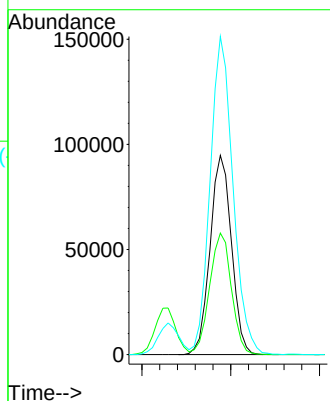
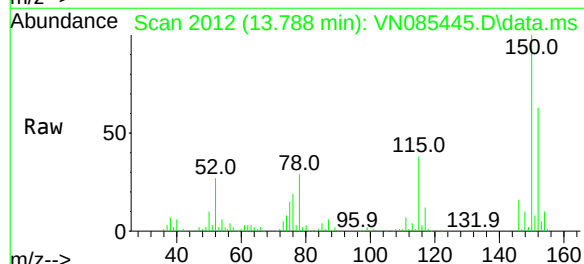
RT: 13.788 min Scan# 2012

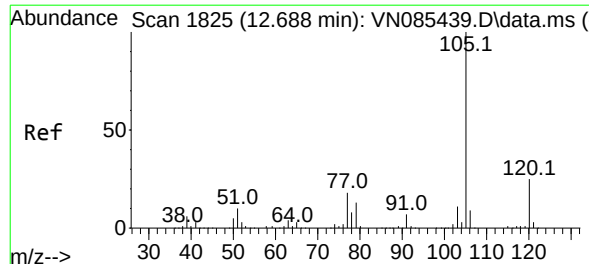
Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Tgt Ion:	152	Resp:	158525
Ion Ratio	Lower	Upper	
152	100		
115	62.2	31.1	93.3
150	171.0	0.0	343.6





#73

Isopropylbenzene

Concen: 49.951 ug/l

RT: 12.694 min Scan# 1825

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 105 Resp: 534428

Ion Ratio Lower Upper

105 100

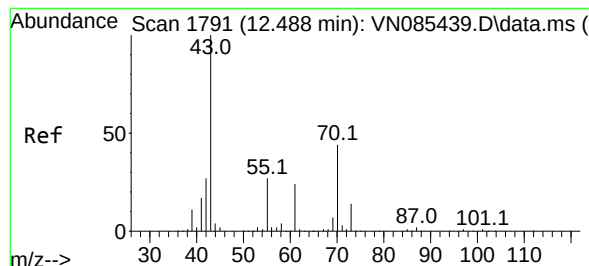
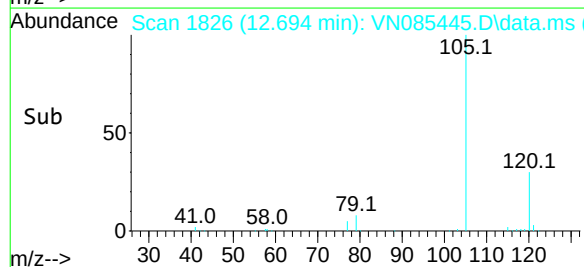
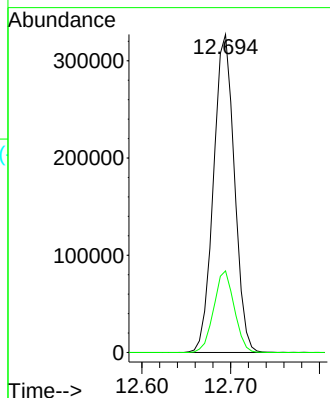
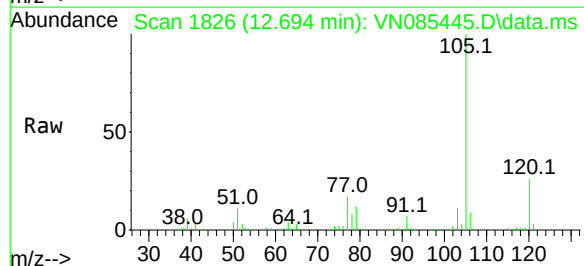
120 25.2 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#74

N-ethyl acetate

Concen: 48.730 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Tgt Ion: 43 Resp: 234342

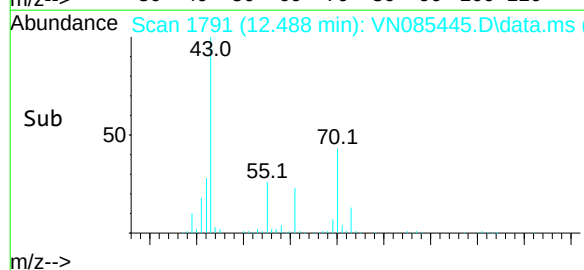
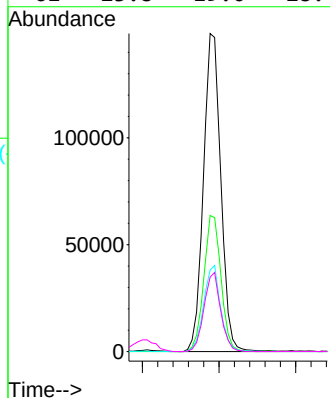
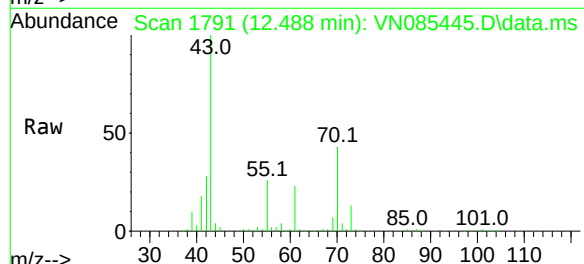
Ion Ratio Lower Upper

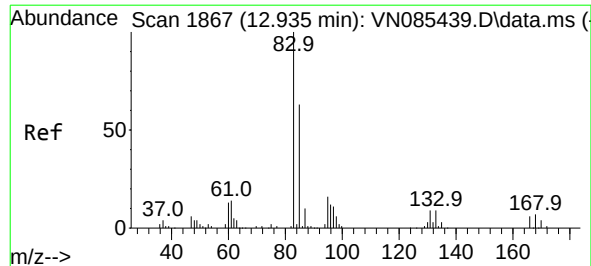
43 100

70 42.2 34.0 51.0

55 26.5 21.4 32.2

61 23.8 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 43.627 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

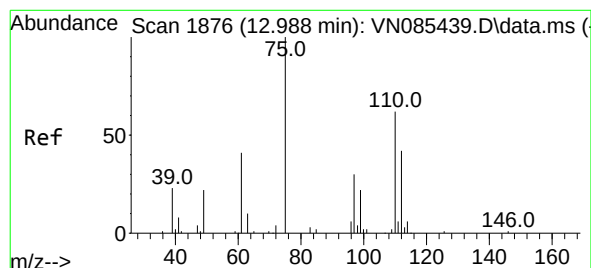
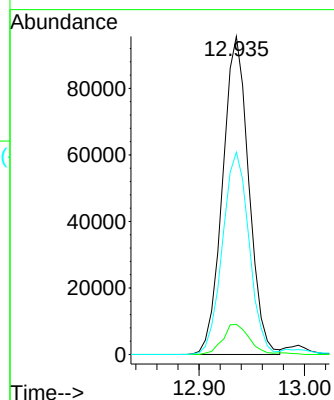
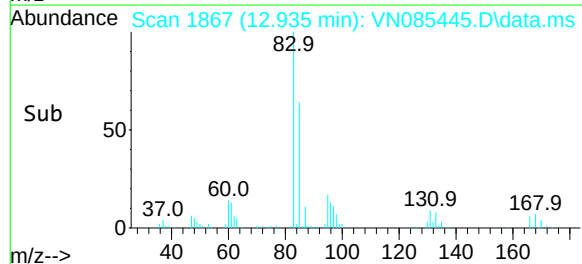
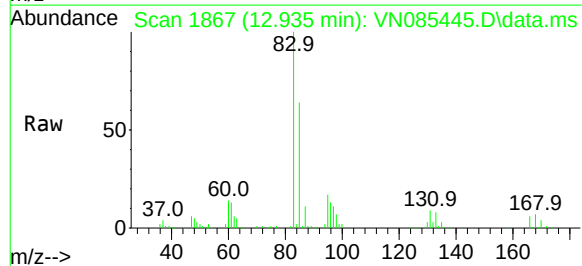
ICVVN011425

Tgt Ion:	83	Resp:	164882
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	64.6	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#76

1,2,3-Trichloropropane

Concen: 41.891 ug/l m

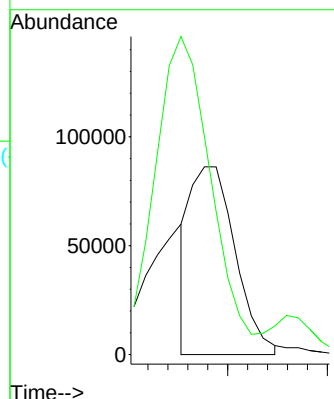
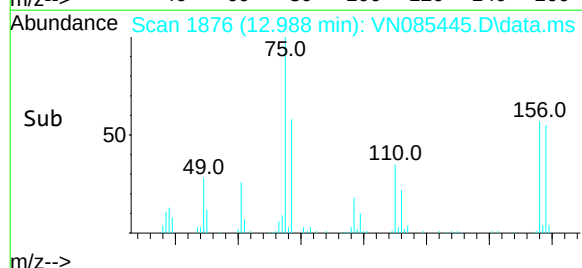
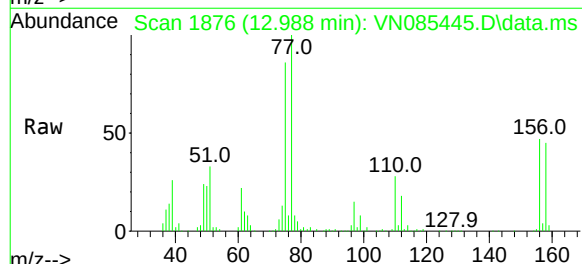
RT: 12.988 min Scan# 1876

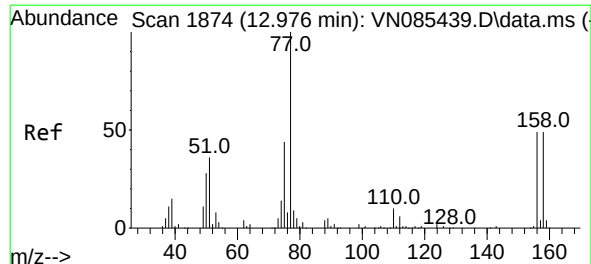
Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Tgt Ion:	75	Resp:	134976
Ion	Ratio	Lower	Upper
75	100		
77	213.9	109.7	329.2





#77

Bromobenzene

Concen: 46.138 ug/l

RT: 12.977 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN085445.D

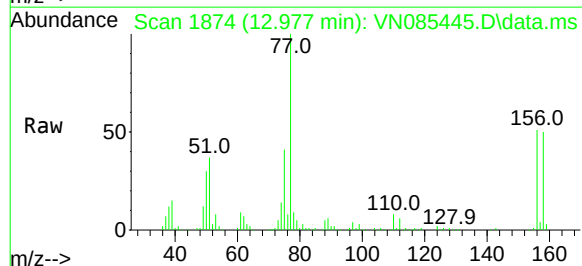
Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

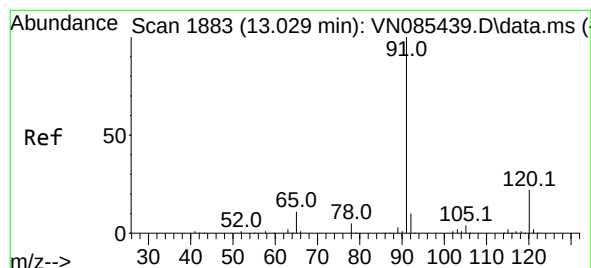
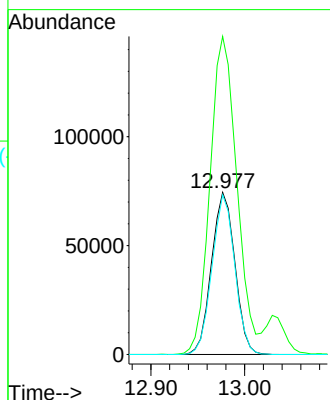
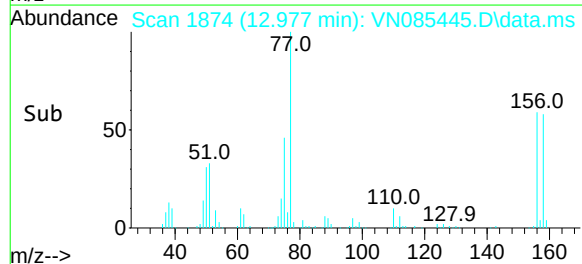
ICVVN011425



Tgt Ion:	156	Resp:	128968
Ion Ratio	Lower	Upper	
156	100		
77	223.8	114.1	342.4
158	95.7	48.9	146.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#78

n-propylbenzene

Concen: 51.001 ug/l

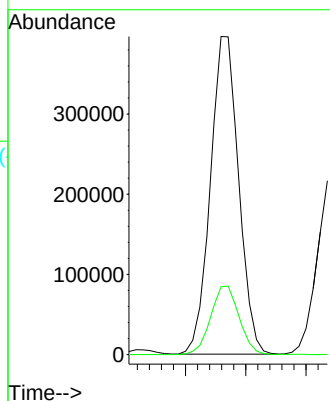
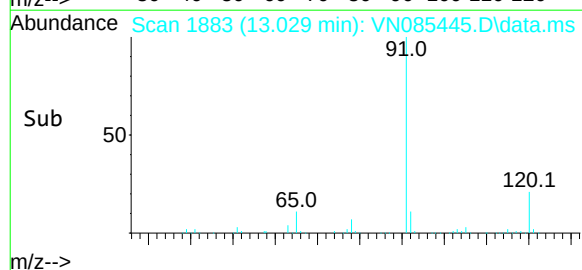
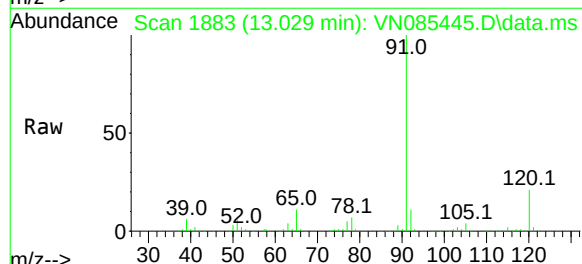
RT: 13.029 min Scan# 1883

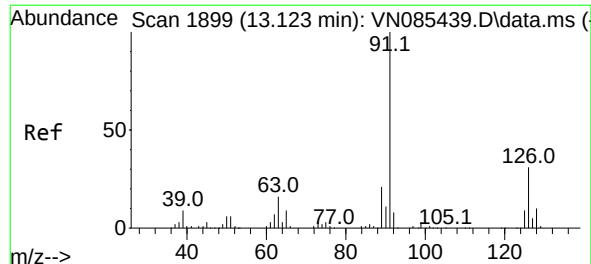
Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Tgt Ion:	91	Resp:	645977
Ion Ratio	Lower	Upper	
91	100		
120	21.7	10.9	32.6





#79

2-Chlorotoluene

Concen: 47.870 ug/l

RT: 13.124 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion: 91 Resp: 392404

Ion Ratio Lower Upper

91 100

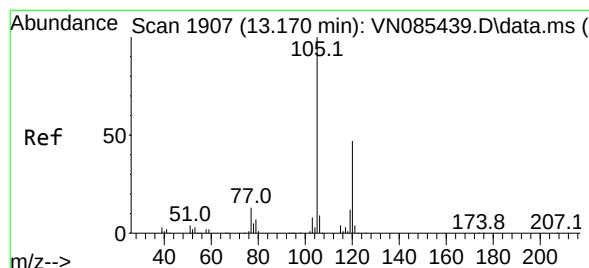
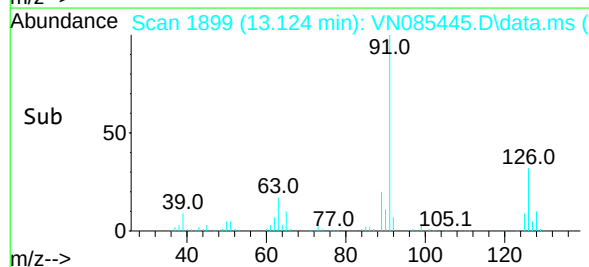
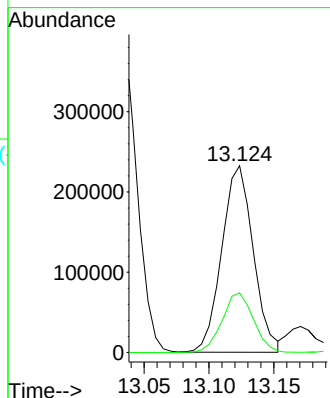
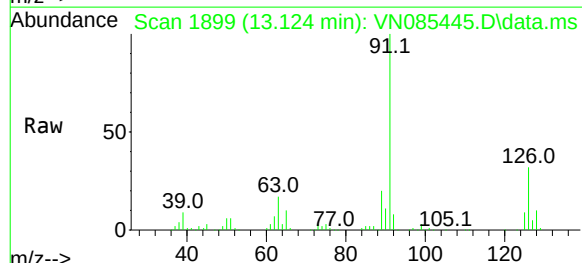
126 31.8 15.7 47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#80

1,3,5-Trimethylbenzene

Concen: 51.604 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085445.D

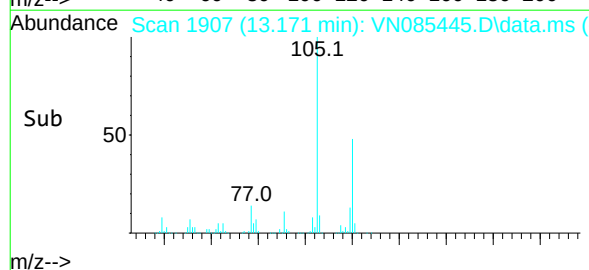
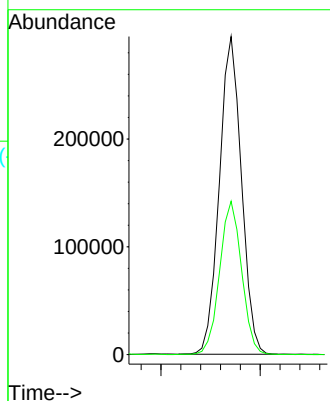
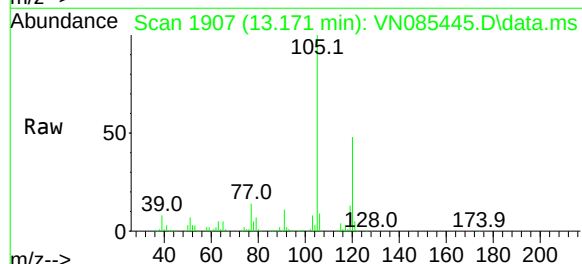
Acq: 14 Jan 2025 18:06

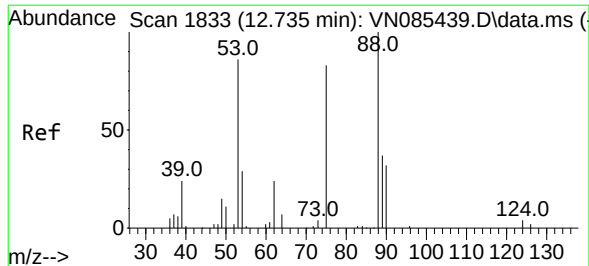
Tgt Ion:105 Resp: 456048

Ion Ratio Lower Upper

105 100

120 48.1 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 49.226 ug/l m

RT: 12.735 min Scan# 1833

Delta R.T. 0.000 min

Lab File: VN085445.D

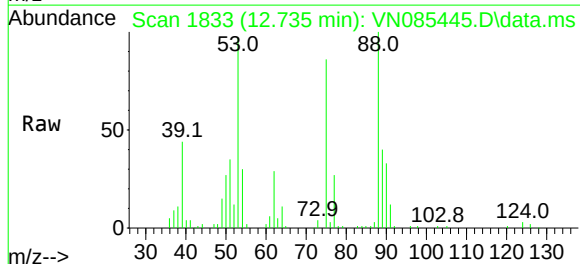
Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

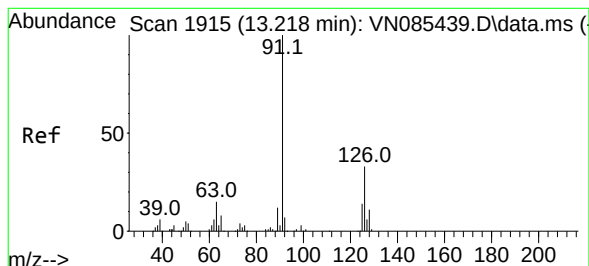
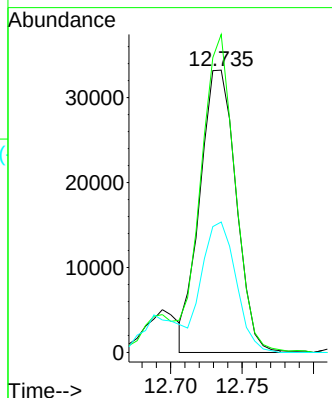
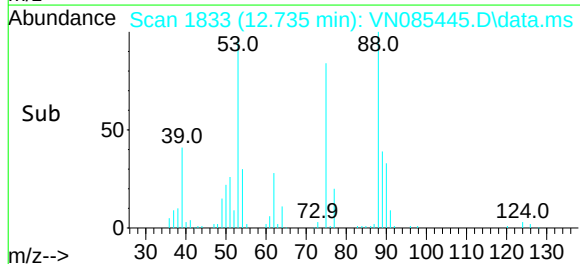
ICVVN011425



Tgt Ion:	75	Resp:	58623
Ion	Ratio	Lower	Upper
75	100		
53	118.0	95.6	143.4
89	43.3	37.0	55.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#82

4-Chlorotoluene

Concen: 48.776 ug/l

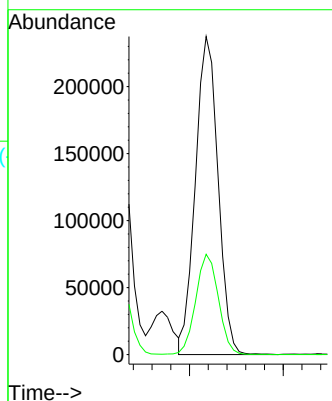
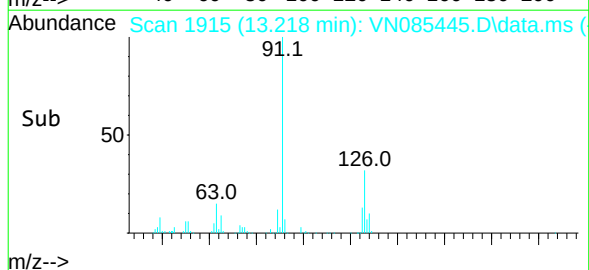
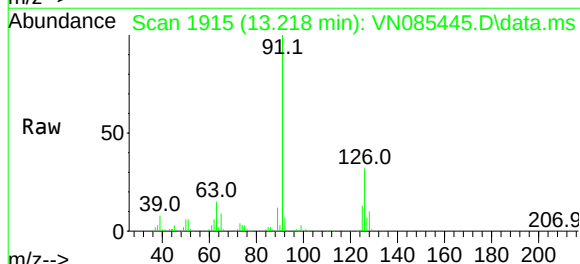
RT: 13.218 min Scan# 1915

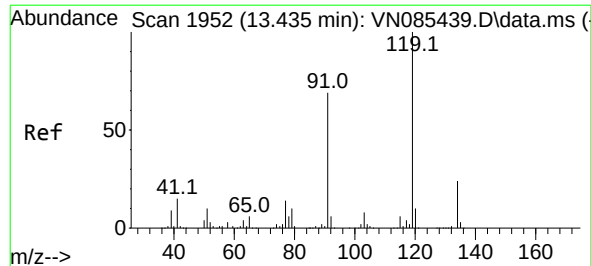
Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Tgt Ion:	91	Resp:	398110
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.7





#83

tert-Butylbenzene

Concen: 50.997 ug/l

RT: 13.435 min Scan# 19

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion:119 Resp: 378478

Ion Ratio Lower Upper

119 100

91 70.6 35.1 105.3

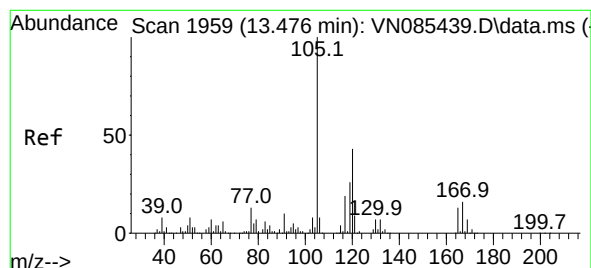
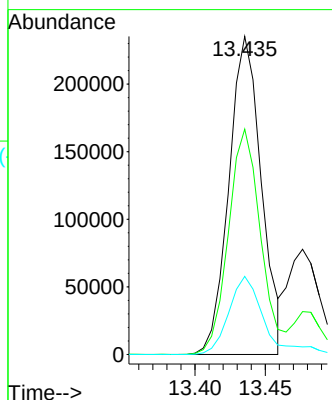
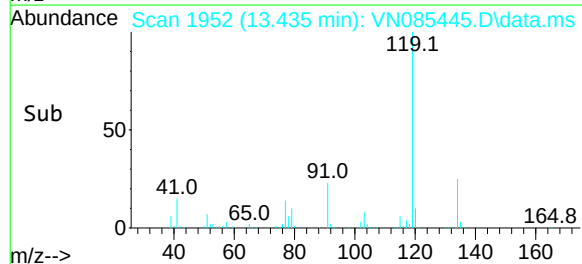
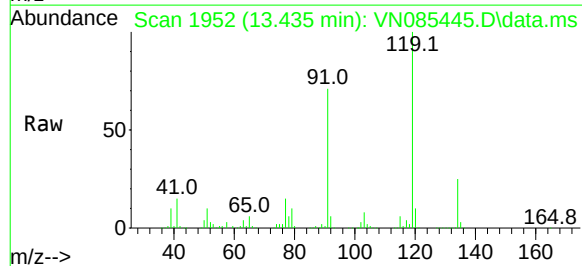
134 26.7 12.0 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#84

1,2,4-Trimethylbenzene

Concen: 51.922 ug/l

RT: 13.477 min Scan# 1959

Delta R.T. 0.000 min

Lab File: VN085445.D

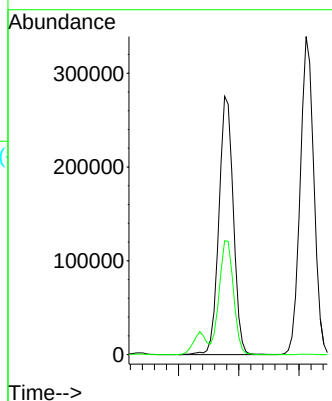
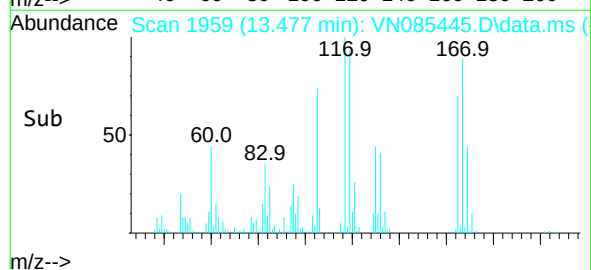
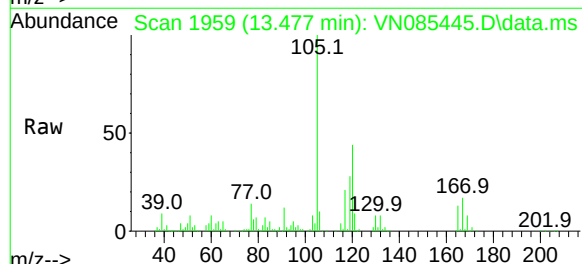
Acq: 14 Jan 2025 18:06

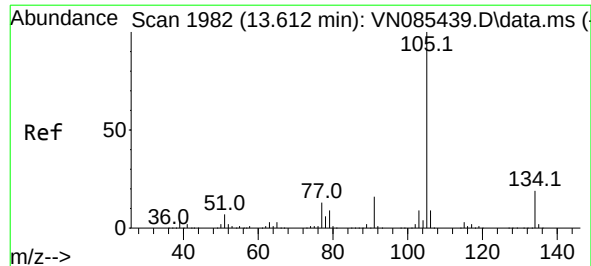
Tgt Ion:105 Resp: 457340

Ion Ratio Lower Upper

105 100

120 43.6 21.6 65.0





#85

sec-Butylbenzene

Concen: 51.777 ug/l

RT: 13.612 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425

Tgt Ion:105 Resp: 532578

Ion Ratio Lower Upper

105 100

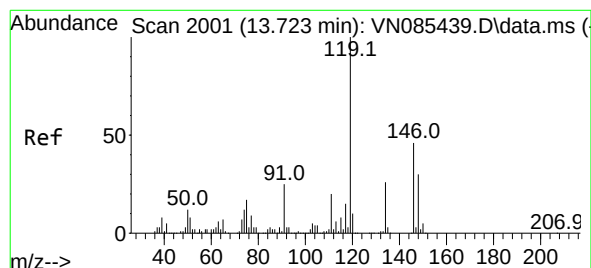
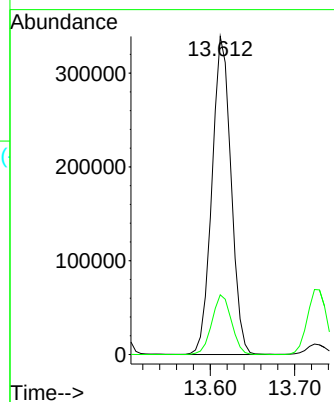
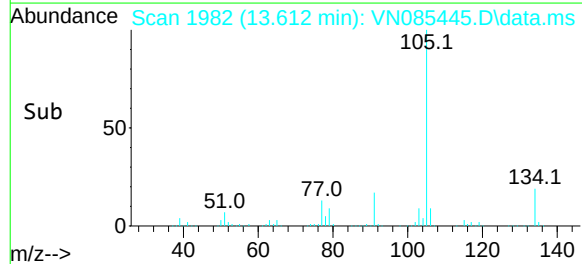
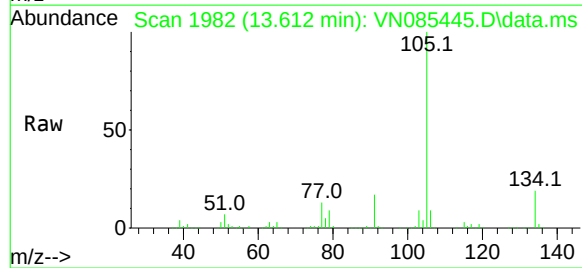
134 19.2 9.7 28.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#86

p-Isopropyltoluene

Concen: 47.795 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

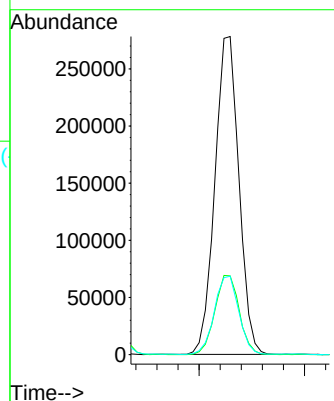
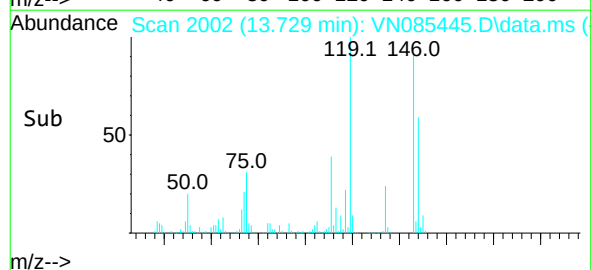
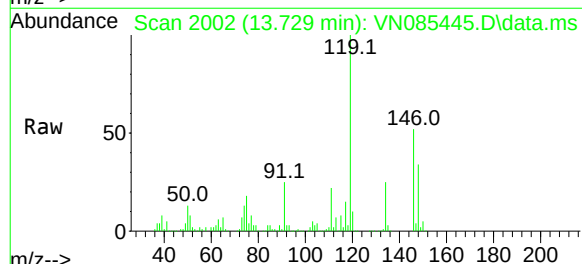
Tgt Ion:119 Resp: 440284

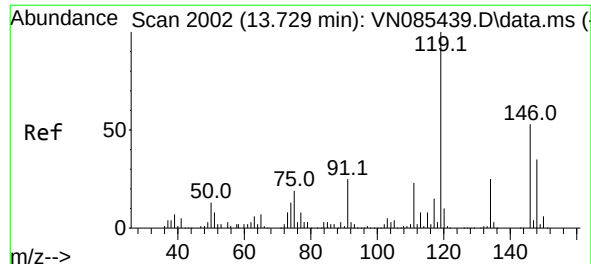
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.0

91 25.0 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 45.920 ug/l

RT: 13.729 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN085445.D

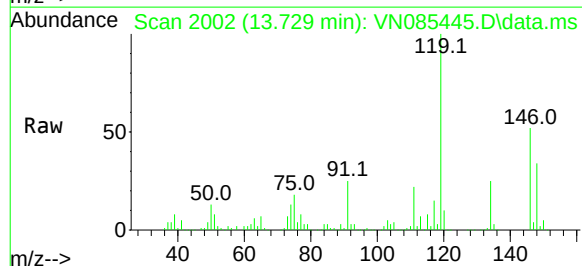
Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

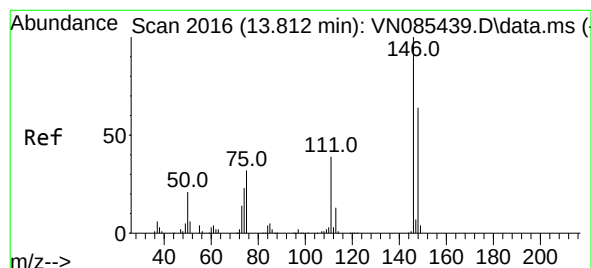
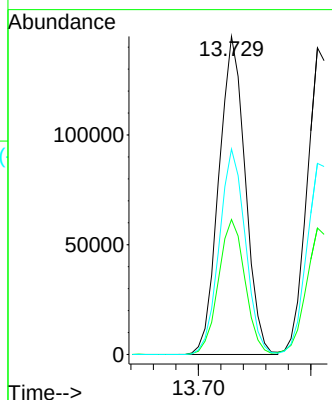
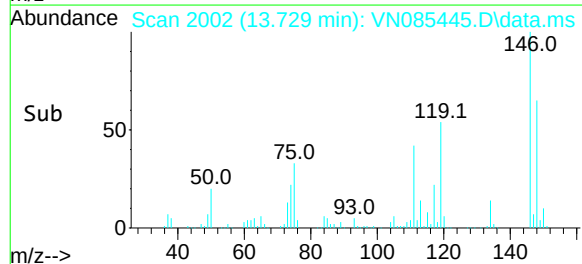
ICVVN011425



Tgt Ion:	146	Resp:	236387
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.3
148	63.8	32.3	96.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#88

1,4-Dichlorobenzene

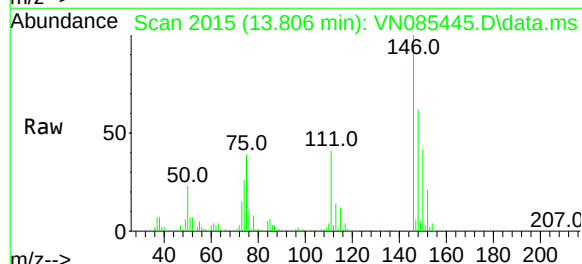
Concen: 44.102 ug/l

RT: 13.806 min Scan# 2015

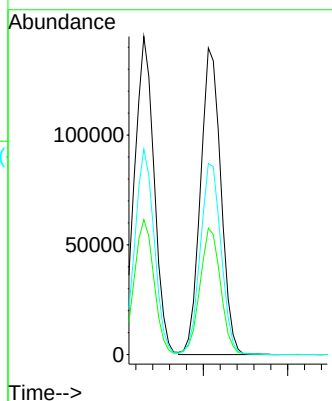
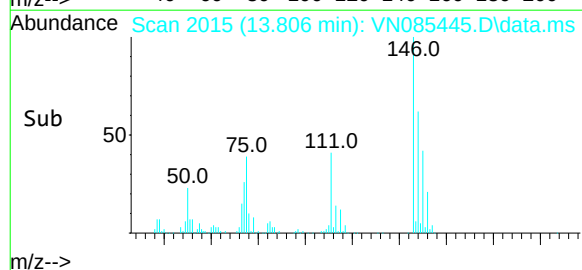
Delta R.T. -0.006 min

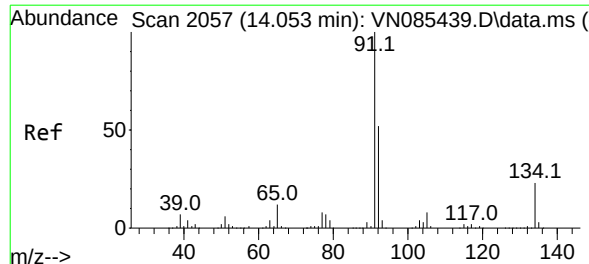
Lab File: VN085445.D

Acq: 14 Jan 2025 18:06



Tgt Ion:	146	Resp:	235319
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	63.5	32.4	97.0





#89

n-Butylbenzene

Concen: 50.578 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

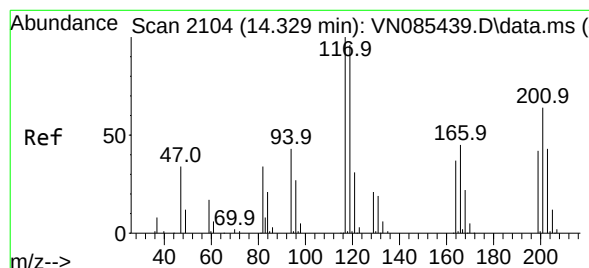
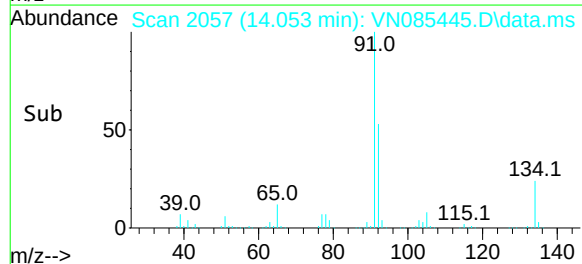
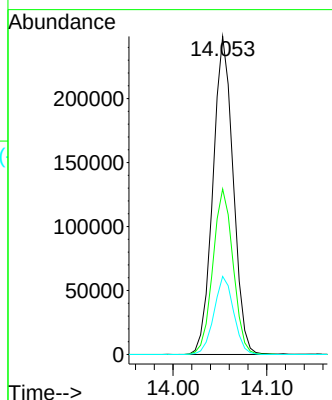
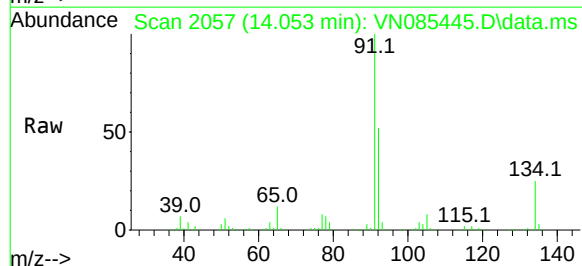
ClientSampleId :

ICVVN011425

Tgt Ion:	91	Resp:	373227
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.8	77.3
134	23.8	11.7	35.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#90

Hexachloroethane

Concen: 45.215 ug/l

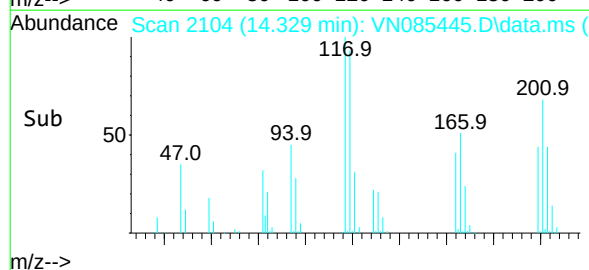
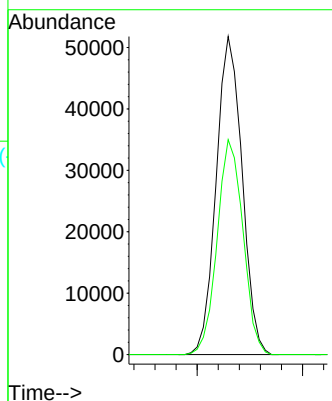
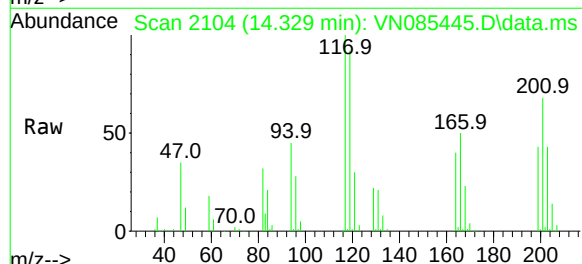
RT: 14.329 min Scan# 2104

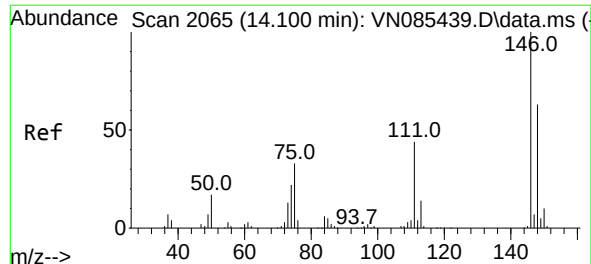
Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

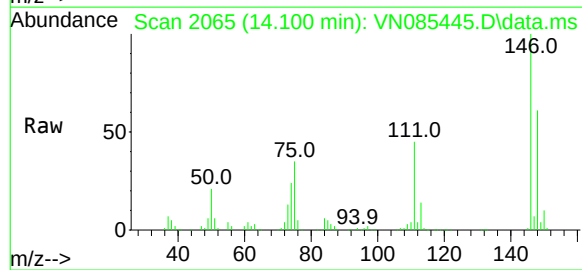
Tgt Ion:	117	Resp:	88538
Ion	Ratio	Lower	Upper
117	100		
201	67.2	33.7	101.0





#91
1,2-Dichlorobenzene
Concen: 45.113 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

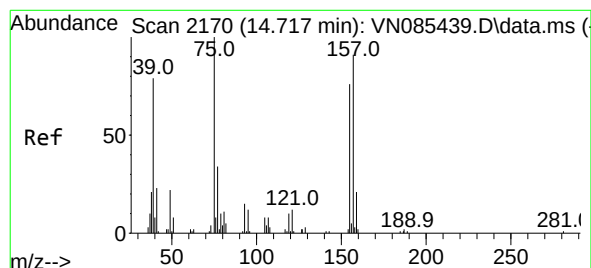
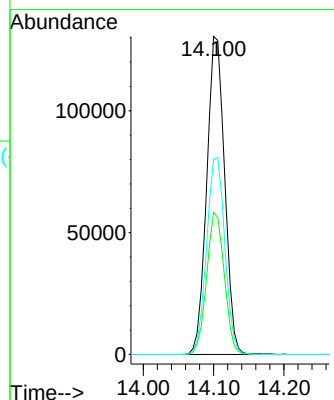
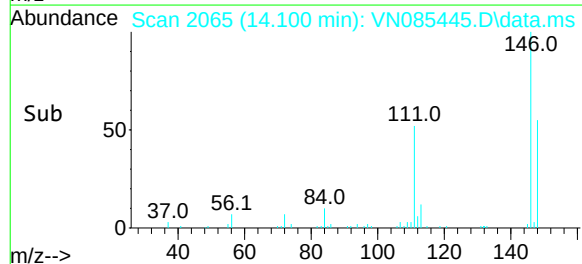
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425



Tgt Ion:146 Resp: 231646
Ion Ratio Lower Upper
146 100
111 43.9 21.7 65.1
148 63.1 31.4 94.2

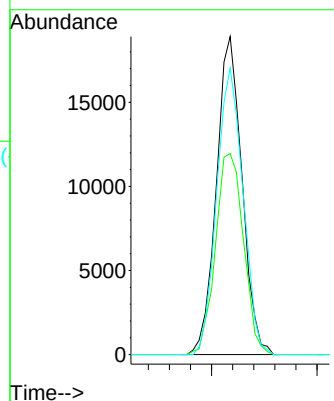
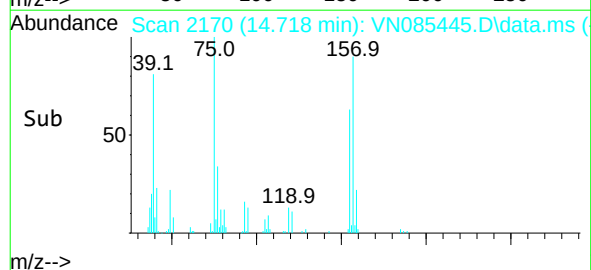
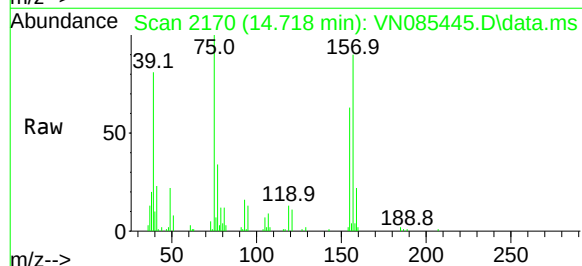
Manual Integrations
APPROVED

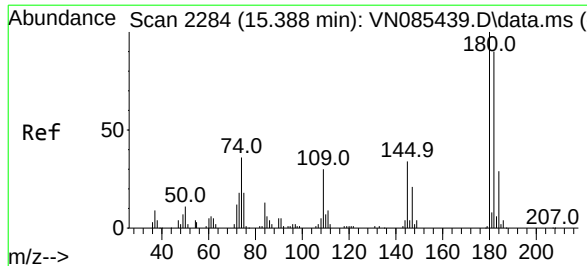
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.221 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 75 Resp: 31899
Ion Ratio Lower Upper
75 100
155 69.0 36.4 109.2
157 92.3 45.4 136.1





#93

1,2,4-Trichlorobenzene

Concen: 45.739 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN085445.D

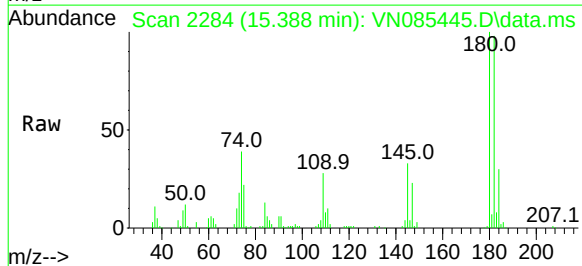
Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011425



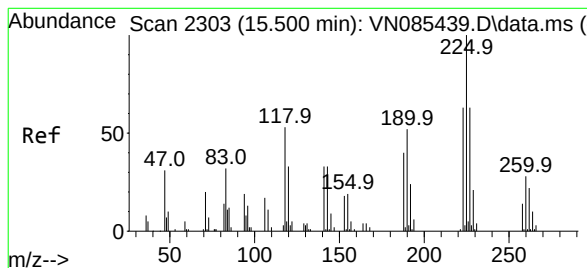
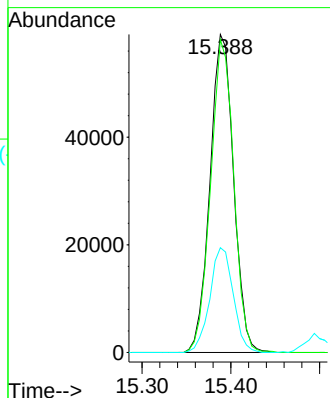
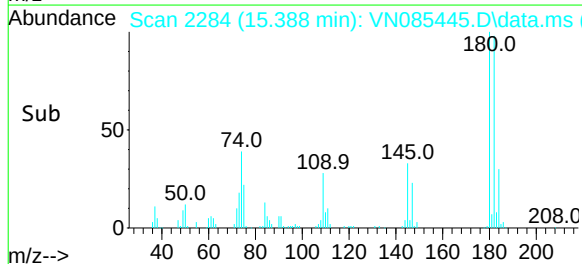
Tgt Ion:	180	Resp:	109157
Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.8	140.3
145	32.7	16.0	48.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#94

Hexachlorobutadiene

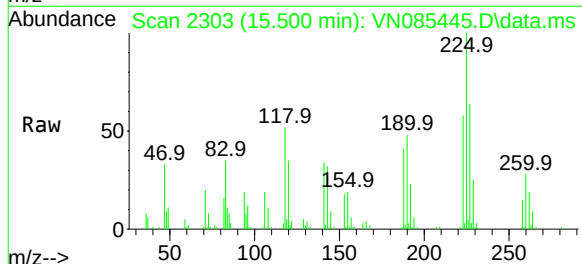
Concen: 42.112 ug/l

RT: 15.500 min Scan# 2303

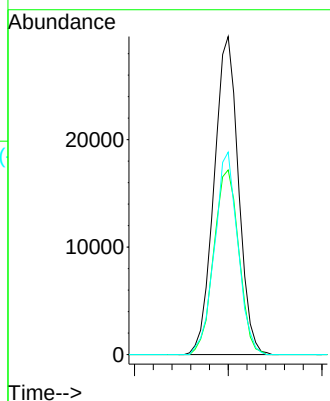
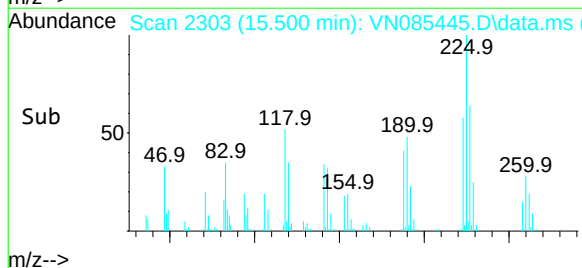
Delta R.T. 0.000 min

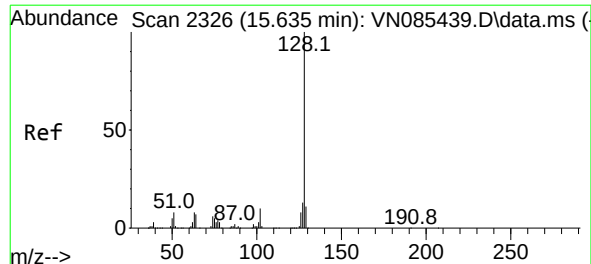
Lab File: VN085445.D

Acq: 14 Jan 2025 18:06



Tgt Ion:	225	Resp:	53358
Ion	Ratio	Lower	Upper
225	100		
223	59.8	30.7	92.1
227	61.2	30.9	92.5





#95

Naphthalene

Concen: 47.116 ug/l

RT: 15.641 min Scan# 2326

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

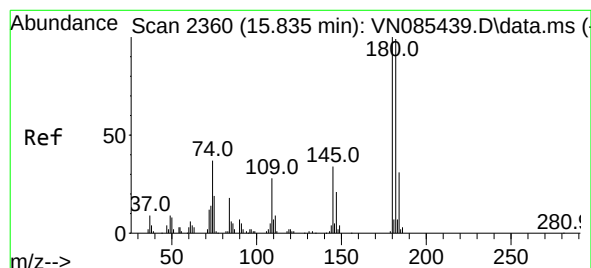
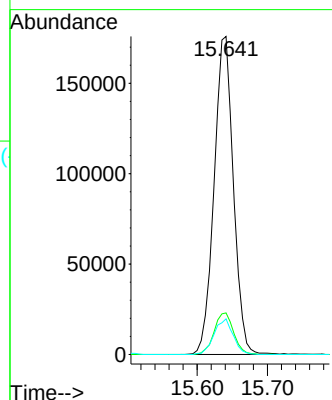
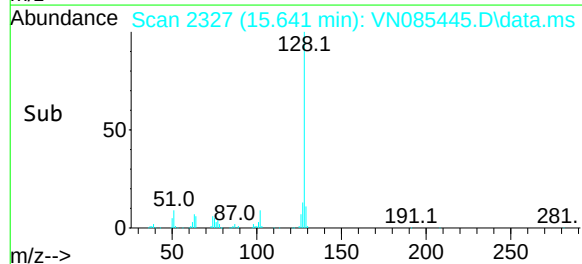
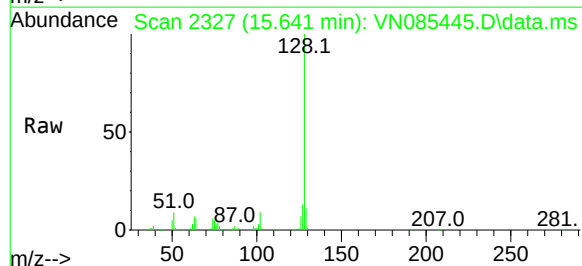
ICVVN011425

Tgt Ion:	128	Resp:	335535
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	11.1	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#96

1,2,3-Trichlorobenzene

Concen: 44.551 ug/l

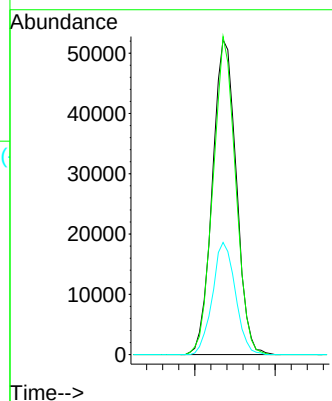
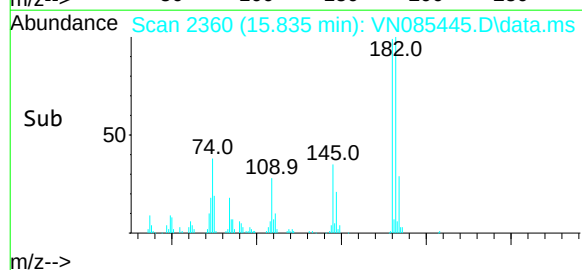
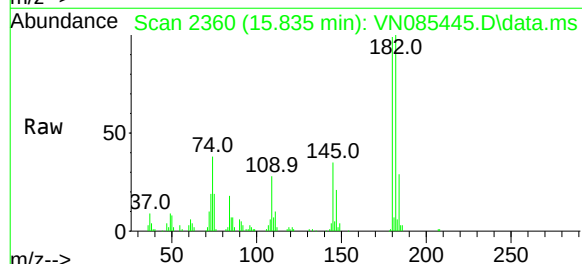
RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Tgt Ion:	180	Resp:	107583
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.4	142.2
145	34.3	16.9	50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085445.D
 Acq On : 14 Jan 2025 18:06
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011425

Quant Time: Jan 15 02:20:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 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	110	0.00
2 T	Dichlorodifluoromethane	0.677	0.593	12.4	104	0.00
3 P	Chloromethane	0.733	0.629	14.2	102	0.00
4 C	Vinyl Chloride	0.737	0.629	14.7#	101	0.00
5 T	Bromomethane	0.445	0.364	18.2	96	0.00
6 T	Chloroethane	0.467	0.395	15.4	103	0.00
7 T	Trichlorofluoromethane	1.069	0.940	12.1	104	0.00
8 T	Diethyl Ether	0.369	0.316	14.4	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.602	0.538	10.6	109	0.00
10 T	Methyl Iodide	0.690	0.638	7.5	98	0.00
11 T	Tert butyl alcohol	0.092	0.076	17.4	90	0.00
12 CM	1,1-Dichloroethene	0.537	0.486	9.5#	101	0.00
13 T	Acrolein	0.126	0.124	1.6	97	0.00
14 T	Allyl chloride	0.871	0.775	11.0	101	0.00
15 T	Acrylonitrile	0.294	0.268	8.8	99	0.00
16 T	Acetone	0.261	0.223	14.6	98	0.00
17 T	Carbon Disulfide	1.652	1.366	17.3	102	0.00
18 T	Methyl Acetate	0.793	0.714	10.0	100	0.00
19 T	Methyl tert-butyl Ether	1.742	1.665	4.4	98	0.00
20 T	Methylene Chloride	0.646	0.555	14.1	97	0.00
21 T	trans-1,2-Dichloroethene	0.573	0.512	10.6	102	0.00
22 T	Diisopropyl ether	1.933	1.817	6.0	98	0.00
23 T	Vinyl Acetate	1.353	1.339	1.0	99	0.00
24 P	1,1-Dichloroethane	1.178	1.040	11.7	98	0.00
25 T	2-Butanone	0.384	0.351	8.6	99	0.00
26 T	2,2-Dichloropropane	0.953	0.907	4.8	107	0.00
27 T	cis-1,2-Dichloroethene	0.675	0.614	9.0	99	0.00
28 T	Bromochloromethane	0.548	0.484	11.7	98	0.00
29 T	Tetrahydrofuran	0.243	0.233	4.1	98	0.00
30 C	Chloroform	1.218	1.074	11.8#	101	0.00
31 T	Cyclohexane	1.024	0.878	14.3	110	0.00
32 T	1,1,1-Trichloroethane	1.068	0.947	11.3	103	0.00
33 S	1,2-Dichloroethane-d4	0.807	0.804	0.4	107	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
35 S	Dibromofluoromethane	0.347	0.352	-1.4	107	0.00
36 T	1,1-Dichloropropene	0.487	0.437	10.3	103	0.00
37 T	Ethyl Acetate	0.491	0.434	11.6	97	0.00
38 T	Carbon Tetrachloride	0.557	0.496	11.0	102	0.00
39 T	Methylcyclohexane	0.457	0.455	0.4	107	0.00
40 TM	Benzene	1.463	1.336	8.7	100	0.00
41 T	Methacrylonitrile	0.256	0.241	5.9	97	0.00
42 TM	1,2-Dichloroethane	0.551	0.501	9.1	100	0.00
43 T	Isopropyl Acetate	0.787	0.716	9.0	96	0.00
44 TM	Trichloroethene	0.341	0.297	12.9	100	0.00
45 C	1,2-Dichloropropane	0.374	0.334	10.7#	98	0.00
46 T	Dibromomethane	0.270	0.238	11.9	97	0.00
47 T	Bromodichloromethane	0.549	0.502	8.6	98	0.00
48 T	Methyl methacrylate	0.354	0.354	0.0	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085445.D
 Acq On : 14 Jan 2025 18:06
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011425

Quant Time: Jan 15 02:20:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 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	0.006	0.005	16.7	81	0.00
50 S	Toluene-d8	1.232	1.289	-4.6	111	0.00
51 T	4-Methyl-2-Pentanone	0.457	0.449	1.8	99	0.00
52 CM	Toluene	0.848	0.815	3.9#	102	0.00
53 T	t-1,3-Dichloropropene	0.519	0.496	4.4	98	0.00
54 T	cis-1,3-Dichloropropene	0.554	0.530	4.3	98	0.00
55 T	1,1,2-Trichloroethane	0.335	0.310	7.5	99	0.00
56 T	Ethyl methacrylate	0.469	0.492	-4.9	99	0.00
57 T	1,3-Dichloropropane	0.583	0.547	6.2	99	0.00
58 T	2-Chloroethyl Vinyl ether	0.213	0.218	-2.3	99	0.00
59 T	2-Hexanone	0.321	0.323	-0.6	99	0.00
60 T	Dibromochloromethane	0.405	0.372	8.1	98	0.00
61 T	1,2-Dibromoethane	0.334	0.299	10.5	98	0.00
62 S	4-Bromofluorobenzene	0.422	0.446	-5.7	108	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00
64 T	Tetrachloroethene	0.341	0.306	10.3	102	0.00
65 PM	Chlorobenzene	1.095	1.006	8.1	101	0.00
66 T	1,1,1,2-Tetrachloroethane	0.402	0.359	10.7	99	0.00
67 C	Ethyl Benzene	1.784	1.798	-0.8#	104	0.00
68 T	m/p-Xylenes	0.659	0.681	-3.3	104	0.00
69 T	o-Xylene	0.630	0.656	-4.1	104	0.00
70 T	Styrene	1.043	1.108	-6.2	102	0.00
71 P	Bromoform	0.288	0.283	1.7	98	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
73 T	Isopropylbenzene	3.375	3.371	0.1	106	0.00
74 T	N-amyl acetate	1.517	1.478	2.6	99	0.00
75 P	1,1,2,2-Tetrachloroethane	1.192	1.040	12.8	98	0.00
76 T	1,2,3-Trichloropropane	1.016	0.851	16.2	103	0.00
77 T	Bromobenzene	0.882	0.814	7.7	103	0.00
78 T	n-propylbenzene	3.995	4.075	-2.0	106	0.00
79 T	2-Chlorotoluene	2.586	2.475	4.3	104	0.00
80 T	1,3,5-Trimethylbenzene	2.787	2.877	-3.2	106	0.00
81 T	trans-1,4-Dichloro-2-butene	0.376	0.370	1.6	103	0.00
82 T	4-Chlorotoluene	2.574	2.511	2.4	105	0.00
83 T	tert-Butylbenzene	2.341	2.387	-2.0	106	0.00
84 T	1,2,4-Trimethylbenzene	2.778	2.885	-3.9	103	0.00
85 T	sec-Butylbenzene	3.244	3.360	-3.6	106	0.00
86 T	p-Isopropyltoluene	2.631	2.777	-5.5	105	0.00
87 T	1,3-Dichlorobenzene	1.624	1.491	8.2	103	0.00
88 T	1,4-Dichlorobenzene	1.683	1.484	11.8	103	0.00
89 T	n-Butylbenzene	2.327	2.354	-1.2	103	0.00
90 T	Hexachloroethane	0.618	0.559	9.5	105	0.00
91 T	1,2-Dichlorobenzene	1.620	1.461	9.8	102	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.218	0.201	7.8	98	0.00
93 T	1,2,4-Trichlorobenzene	0.753	0.689	8.5	95	0.00
94 T	Hexachlorobutadiene	0.400	0.337	15.8	99	0.00
95 T	Naphthalene	2.246	2.117	5.7	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 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	0.762	0.679	10.9	93	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085445.D
 Acq On : 14 Jan 2025 18:06
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN011425

Quant Time: Jan 15 02:20:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 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	110	0.00
2 T	Dichlorodifluoromethane	50.000	43.772	12.5	104	0.00
3 P	Chloromethane	50.000	42.883	14.2	102	0.00
4 C	Vinyl Chloride	50.000	42.715	14.6#	101	0.00
5 T	Bromomethane	50.000	40.910	18.2	96	0.00
6 T	Chloroethane	50.000	42.299	15.4	103	0.00
7 T	Trichlorofluoromethane	50.000	43.956	12.1	104	0.00
8 T	Diethyl Ether	50.000	42.846	14.3	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	44.706	10.6	109	0.00
10 T	Methyl Iodide	50.000	46.259	7.5	98	0.00
11 T	Tert butyl alcohol	250.000	206.633	17.3	90	0.00
12 CM	1,1-Dichloroethene	50.000	45.317	9.4#	101	0.00
13 T	Acrolein	250.000	244.765	2.1	97	0.00
14 T	Allyl chloride	50.000	44.501	11.0	101	0.00
15 T	Acrylonitrile	250.000	227.920	8.8	99	0.00
16 T	Acetone	250.000	213.971	14.4	98	0.00
17 T	Carbon Disulfide	50.000	41.342	17.3	102	0.00
18 T	Methyl Acetate	50.000	45.028	9.9	100	0.00
19 T	Methyl tert-butyl Ether	50.000	47.768	4.5	98	0.00
20 T	Methylene Chloride	50.000	43.017	14.0	97	0.00
21 T	trans-1,2-Dichloroethene	50.000	44.672	10.7	102	0.00
22 T	Diisopropyl ether	50.000	46.996	6.0	98	0.00
23 T	Vinyl Acetate	250.000	247.459	1.0	99	0.00
24 P	1,1-Dichloroethane	50.000	44.114	11.8	98	0.00
25 T	2-Butanone	250.000	228.924	8.4	99	0.00
26 T	2,2-Dichloropropane	50.000	47.593	4.8	107	0.00
27 T	cis-1,2-Dichloroethene	50.000	45.446	9.1	99	0.00
28 T	Bromochloromethane	50.000	44.122	11.8	98	0.00
29 T	Tetrahydrofuran	250.000	239.065	4.4	98	0.00
30 C	Chloroform	50.000	44.071	11.9#	101	0.00
31 T	Cyclohexane	50.000	42.878	14.2	110	0.00
32 T	1,1,1-Trichloroethane	50.000	44.332	11.3	103	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.782	0.4	107	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	109	0.00
35 S	Dibromofluoromethane	50.000	50.768	-1.5	107	0.00
36 T	1,1-Dichloropropene	50.000	44.863	10.3	103	0.00
37 T	Ethyl Acetate	50.000	44.123	11.8	97	0.00
38 T	Carbon Tetrachloride	50.000	44.456	11.1	102	0.00
39 T	Methylcyclohexane	50.000	49.687	0.6	107	0.00
40 TM	Benzene	50.000	45.657	8.7	100	0.00
41 T	Methacrylonitrile	50.000	47.155	5.7	97	0.00
42 TM	1,2-Dichloroethane	50.000	45.481	9.0	100	0.00
43 T	Isopropyl Acetate	50.000	45.440	9.1	96	0.00
44 TM	Trichloroethene	50.000	43.622	12.8	100	0.00
45 C	1,2-Dichloropropane	50.000	44.744	10.5#	98	0.00
46 T	Dibromomethane	50.000	44.214	11.6	97	0.00
47 T	Bromodichloromethane	50.000	45.655	8.7	98	0.00
48 T	Methyl methacrylate	50.000	49.948	0.1	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
 Data File : VN085445.D
 Acq On : 14 Jan 2025 18:06
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN011425

Quant Time: Jan 15 02:20:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 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	792.760	20.7	81	0.00
50 S	Toluene-d8	50.000	52.302	-4.6	111	0.00
51 T	4-Methyl-2-Pentanone	250.000	245.877	1.6	99	0.00
52 CM	Toluene	50.000	48.073	3.9#	102	0.00
53 T	t-1,3-Dichloropropene	50.000	47.757	4.5	98	0.00
54 T	cis-1,3-Dichloropropene	50.000	47.783	4.4	98	0.00
55 T	1,1,2-Trichloroethane	50.000	46.173	7.7	99	0.00
56 T	Ethyl methacrylate	50.000	43.762	12.5	99	0.00
57 T	1,3-Dichloropropane	50.000	46.877	6.2	99	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	256.116	-2.4	99	0.00
59 T	2-Hexanone	250.000	251.213	-0.5	99	0.00
60 T	Dibromochloromethane	50.000	45.935	8.1	98	0.00
61 T	1,2-Dibromoethane	50.000	44.837	10.3	98	0.00
62 S	4-Bromofluorobenzene	50.000	52.899	-5.8	108	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	108	0.00
64 T	Tetrachloroethene	50.000	44.886	10.2	102	0.00
65 PM	Chlorobenzene	50.000	45.901	8.2	101	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	44.712	10.6	99	0.00
67 C	Ethyl Benzene	50.000	50.391	-0.8#	104	0.00
68 T	m/p-Xylenes	100.000	103.341	-3.3	104	0.00
69 T	o-Xylene	50.000	52.093	-4.2	104	0.00
70 T	Styrene	50.000	53.103	-6.2	102	0.00
71 P	Bromoform	50.000	49.119	1.8	98	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	108	0.00
73 T	Isopropylbenzene	50.000	49.951	0.1	106	0.00
74 T	N-amyl acetate	50.000	48.730	2.5	99	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	43.627	12.7	98	0.00
76 T	1,2,3-Trichloropropane	50.000	41.891	16.2	103	0.00
77 T	Bromobenzene	50.000	46.138	7.7	103	0.00
78 T	n-propylbenzene	50.000	51.001	-2.0	106	0.00
79 T	2-Chlorotoluene	50.000	47.870	4.3	104	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.604	-3.2	106	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.226	1.5	103	0.00
82 T	4-Chlorotoluene	50.000	48.776	2.4	105	0.00
83 T	tert-Butylbenzene	50.000	50.997	-2.0	106	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.922	-3.8	103	0.00
85 T	sec-Butylbenzene	50.000	51.777	-3.6	106	0.00
86 T	p-Isopropyltoluene	50.000	47.795	4.4	105	0.00
87 T	1,3-Dichlorobenzene	50.000	45.920	8.2	103	0.00
88 T	1,4-Dichlorobenzene	50.000	44.102	11.8	103	0.00
89 T	n-Butylbenzene	50.000	50.578	-1.2	103	0.00
90 T	Hexachloroethane	50.000	45.215	9.6	105	0.00
91 T	1,2-Dichlorobenzene	50.000	45.113	9.8	102	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	46.221	7.6	98	0.00
93 T	1,2,4-Trichlorobenzene	50.000	45.739	8.5	95	0.00
94 T	Hexachlorobutadiene	50.000	42.112	15.8	99	0.00
95 T	Naphthalene	50.000	47.116	5.8	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.551	10.9	93	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: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG No.: Q1328

Instrument ID: MSVOA_N Calibration Date/Time: 02/10/2025 12:12

Lab File ID: VN085718.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.677	0.796		17.58	20
Chloromethane	0.733	0.752	0.1	2.59	20
Vinyl Chloride	0.737	0.810		9.9	20
Ethyl Acetate	0.491	0.441		-10.18	20
Bromomethane	0.445	0.505		13.48	20
Chloroethane	0.467	0.493		5.57	20
Trichlorofluoromethane	1.069	1.121		4.86	20
1,1,2-Trichlorotrifluoroethane	0.602	0.644		6.98	20
Tert butyl alcohol	0.092	0.095		3.26	20
1,1-Dichloroethene	0.537	0.606		12.85	20
Acrolein	0.126	0.115		-8.73	20
Acrylonitrile	0.294	0.294		0	20
Acetone	0.261	0.229		-12.26	20
Carbon Disulfide	1.652	1.770		7.14	20
Methyl tert-butyl Ether	1.742	1.949		11.88	20
Methyl Acetate	0.793	0.732		-7.69	20
Methylene Chloride	0.646	0.682		5.57	20
trans-1,2-Dichloroethene	0.573	0.644		12.39	20
Vinyl Acetate	1.353	1.398		3.33	20
1,1-Dichloroethane	1.178	1.205	0.1	2.29	20
Cyclohexane	1.024	0.971		-5.18	20
2-Butanone	0.384	0.363		-5.47	20
Carbon Tetrachloride	0.557	0.585		5.03	20
2,2-Dichloropropane	0.953	1.083		13.64	20
cis-1,2-Dichloroethene	0.675	0.757		12.15	20
Bromochloromethane	0.548	0.459		-16.24	20
Chloroform	1.218	1.237		1.56	20
1,1,1-Trichloroethane	1.068	1.115		4.4	20
Methylcyclohexane	0.457	0.518		13.35	20
1,1-Dichloropropene	0.487	0.514		5.54	20
Benzene	1.463	1.580		8	20
1,2-Dichloroethane	0.551	0.537		-2.54	20
Trichloroethene	0.341	0.372		9.09	20
1,2-Dichloropropane	0.374	0.377		0.8	20
Dibromomethane	0.270	0.273		1.11	20
Bromodichloromethane	0.549	0.577		5.1	20
4-Methyl-2-Pentanone	0.457	0.447		-2.19	20
Toluene	0.848	0.973		14.74	20

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



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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG No.: Q1328

Instrument ID: MSVOA_N Calibration Date/Time: 02/10/2025 12:12

Lab File ID: VN085718.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.519	0.582		12.14	20
cis-1,3-Dichloropropene	0.554	0.630		13.72	20
1,1,2-Trichloroethane	0.335	0.362		8.06	20
1,3-Dichloropropane	0.583	0.629		7.89	20
2-Chloroethyl Vinyl ether	0.213	0.263		23.47	20
2-Hexanone	0.321	0.325		1.25	20
Dibromochloromethane	0.405	0.442		9.14	20
1,2-Dibromoethane	0.334	0.351		5.09	20
Tetrachloroethene	0.341	0.392		14.96	20
Chlorobenzene	1.095	1.209	0.3	10.41	20
1,1,1,2-Tetrachloroethane	0.402	0.433		7.71	20
Hexachloroethane	0.618	0.624		0.97	20
Ethyl Benzene	1.784	2.105		17.99	20
m/p-Xylenes	0.659	0.816		23.82	20
o-Xylene	0.630	0.777		23.33	20
Styrene	1.043	1.307		25.31	20
Bromoform	0.288	0.333	0.1	15.63	20
Isopropylbenzene	3.375	3.842		13.84	20
1,1,2,2-Tetrachloroethane	1.192	1.189	0.3	-0.25	20
1,2,3-Trichloropropane	1.016	1.077		6	20
Bromobenzene	0.882	0.960		8.84	20
n-propylbenzene	3.995	4.556		14.04	20
2-Chlorotoluene	2.586	2.824		9.2	20
1,3,5-Trimethylbenzene	2.787	3.276		17.55	20
4-Chlorotoluene	2.574	2.844		10.49	20
tert-Butylbenzene	2.341	2.666		13.88	20
1,2,4-Trimethylbenzene	2.778	3.323		19.62	20
sec-Butylbenzene	3.244	3.768		16.15	20
p-Isopropyltoluene	2.631	3.157		19.99	20
1,3-Dichlorobenzene	1.624	1.781		9.67	20
1,4-Dichlorobenzene	1.683	1.754		4.22	20
n-Butylbenzene	2.327	2.627		12.89	20
1,2-Dichlorobenzene	1.620	1.714		5.8	20
1,2-Dibromo-3-Chloropropane	0.218	0.219		0.46	20
1,2,4-Trichlorobenzene	0.753	0.832		10.49	20
Hexachlorobutadiene	0.400	0.405		1.25	20
Naphthalene	2.246	2.540		13.09	20
1,2,3-Trichlorobenzene	0.762	0.820		7.61	20

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



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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG No.: Q1328

Instrument ID: MSVOA_N Calibration Date/Time: 02/10/2025 12:12

Lab File ID: VN085718.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.807	0.653		-19.08	20
Dibromofluoromethane	0.347	0.319		-8.07	20
Toluene-d8	1.232	1.130		-8.28	20
4-Bromofluorobenzene	0.422	0.404		-4.26	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\VN021025\
 Data File : VN085718.D
 Acq On : 10 Feb 2025 12:12
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:18:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	241607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	411898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	357680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	157875	40.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	80.960%		
35) Dibromofluoromethane	8.165	113	131308	45.951	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.900%		
50) Toluene-d8	10.565	98	465243	45.824	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.640%		
62) 4-Bromofluorobenzene	12.847	95	166462	47.930	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	192410	58.818	ug/l	98
3) Chloromethane	2.359	50	181673	51.292	ug/l	100
4) Vinyl Chloride	2.512	62	195589	54.939	ug/l	100
5) Bromomethane	2.948	94	122027	56.744	ug/l	100
6) Chloroethane	3.118	64	119049	52.745	ug/l	99
7) Trichlorofluoromethane	3.495	101	270810	52.425	ug/l	96
8) Diethyl Ether	3.959	74	91559	51.307	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.371	101	155660	53.501	ug/l	97
10) Methyl Iodide	4.589	142	203473	61.069	ug/l	96
11) Tert butyl alcohol	5.512	59	114710	256.863	ug/l	99
12) 1,1-Dichloroethene	4.336	96	146443	56.476	ug/l	92
13) Acrolein	4.177	56	139038	228.072	ug/l	100
14) Allyl chloride	5.018	41	193504	45.989	ug/l	95
15) Acrylonitrile	5.712	53	355596	250.688	ug/l	100
16) Acetone	4.424	43	276269	219.237	ug/l	98
17) Carbon Disulfide	4.712	76	427663	53.566	ug/l	99
18) Methyl Acetate	5.018	43	176790	46.137	ug/l	94
19) Methyl tert-butyl Ether	5.789	73	470925	55.931	ug/l	97
20) Methylene Chloride	5.271	84	164787	52.824	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	155667	56.174	ug/l	93
22) Diisopropyl ether	6.665	45	462658	49.540	ug/l	96
23) Vinyl Acetate	6.600	43	1688980	258.421	ug/l	96
24) 1,1-Dichloroethane	6.565	63	291144	51.127	ug/l	99
25) 2-Butanone	7.477	43	438213	236.309	ug/l	93
26) 2,2-Dichloropropane	7.488	77	261553	56.810	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	182906	56.038	ug/l	93
28) Bromochloromethane	7.812	49	110911	41.864	ug/l	86
29) Tetrahydrofuran	7.835	42	295924	251.701	ug/l	91
30) Chloroform	7.959	83	298754	50.761	ug/l	99
31) Cyclohexane	8.253	56	234592	47.397	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	269415	52.186	ug/l	95
36) 1,1-Dichloropropene	8.365	75	211667	52.778	ug/l	99
37) Ethyl Acetate	7.553	43	181473	44.830	ug/l #	95
38) Carbon Tetrachloride	8.359	117	240761	52.438	ug/l	99
39) Methylcyclohexane	9.600	83	213394	56.623	ug/l	98
40) Benzene	8.600	78	650627	53.993	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
 Data File : VN085718.D
 Acq On : 10 Feb 2025 12:12
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:18:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	98861	46.941	ug/l	93
42) 1,2-Dichloroethane	8.665	62	221021	48.699	ug/l	98
43) Isopropyl Acetate	8.682	43	318250	49.064	ug/l	96
44) Trichloroethene	9.353	130	153175	54.607	ug/l	98
45) 1,2-Dichloropropane	9.618	63	155167	50.412	ug/l	99
46) Dibromomethane	9.706	93	112504	50.656	ug/l	95
47) Bromodichloromethane	9.882	83	237704	52.534	ug/l	99
48) Methyl methacrylate	9.677	41	145329	49.787	ug/l	91
49) 1,4-Dioxane	9.688	88	54097	1100.520	ug/l	92
51) 4-Methyl-2-Pentanone	10.441	43	919856	244.385	ug/l	93
52) Toluene	10.624	92	400834	57.408	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	239629	56.040	ug/l	95
54) cis-1,3-Dichloropropene	10.306	75	259548	56.825	ug/l	91
55) 1,1,2-Trichloroethane	11.012	97	148967	53.911	ug/l	98
56) Ethyl methacrylate	10.871	69	230843	49.609	ug/l #	89
57) 1,3-Dichloropropane	11.159	76	259008	53.908	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	541567	308.848	ug/l	97
59) 2-Hexanone	11.194	43	670291	253.089	ug/l	92
60) Dibromochloromethane	11.353	129	181993	54.555	ug/l	99
61) 1,2-Dibromoethane	11.465	107	144770	52.634	ug/l	97
64) Tetrachloroethene	11.100	164	140272	57.525	ug/l	99
65) Chlorobenzene	11.888	112	432562	55.205	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	154927	53.873	ug/l	99
67) Ethyl Benzene	11.959	91	752758	58.984	ug/l	99
68) m/p-Xylenes	12.070	106	583434	123.696	ug/l	96
69) o-Xylene	12.394	106	277750	61.619	ug/l	96
70) Styrene	12.406	104	467336	62.646	ug/l	98
71) Bromoform	12.576	173	119067	57.864	ug/l #	99
73) Isopropylbenzene	12.694	105	686662	56.926	ug/l	98
74) N-amyl acetate	12.488	43	262954	48.499	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	212558	49.885	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	192569m	53.011	ug/l	
77) Bromobenzene	12.976	156	171642	54.464	ug/l	96
78) n-propylbenzene	13.029	91	814210	57.018	ug/l	98
79) 2-Chlorotoluene	13.123	91	504774	54.618	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	585555	58.769	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	76460	56.947	ug/l	90
82) 4-Chlorotoluene	13.217	91	508244	55.232	ug/l	97
83) tert-Butylbenzene	13.435	119	476539	56.953	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	593942	59.810	ug/l	99
85) sec-Butylbenzene	13.612	105	673470	58.074	ug/l	99
86) p-Isopropyltoluene	13.723	119	564266	53.564	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	318256	54.836	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	313432	52.102	ug/l	98
89) n-Butylbenzene	14.053	91	469527	56.437	ug/l	99
90) Hexachloroethane	14.329	117	111568	50.537	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	306268	52.904	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	39090	50.239	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	148670	55.254	ug/l	99
94) Hexachlorobutadiene	15.494	225	72416	50.694	ug/l	97
95) Naphthalene	15.635	128	453973	56.542	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	146543	53.826	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085718.D
Acq On : 10 Feb 2025 12:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:18:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

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

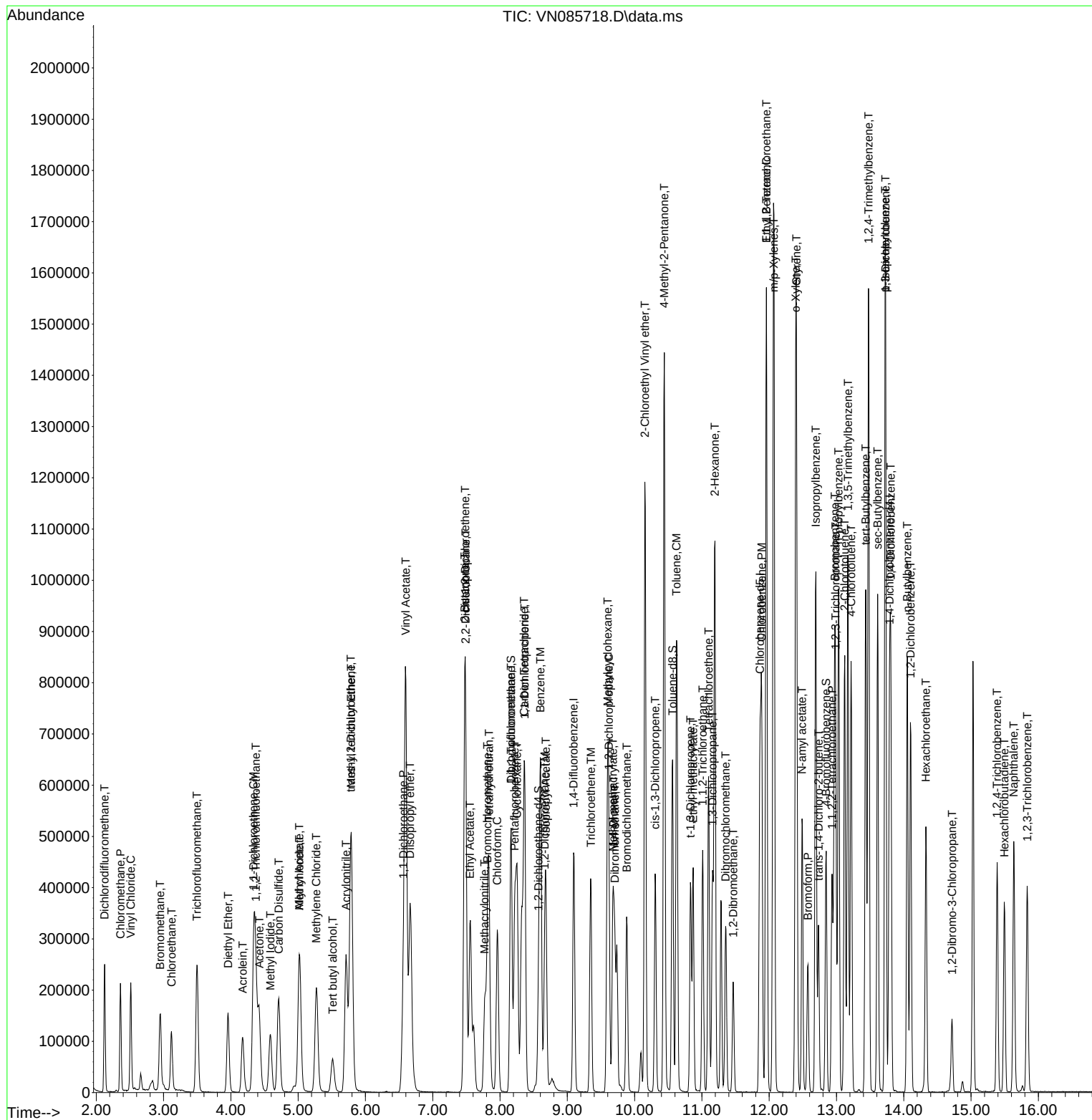
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085718.D
Acq On : 10 Feb 2025 12:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

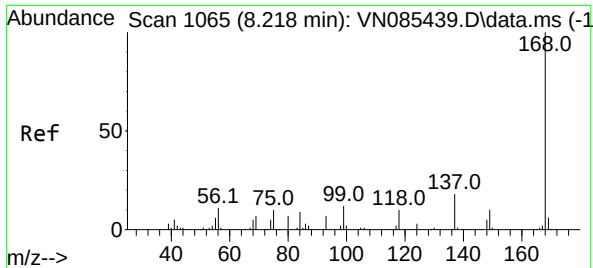
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:18:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration





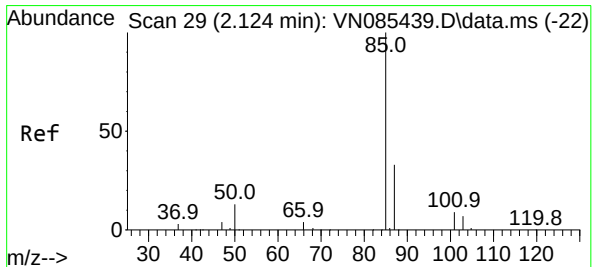
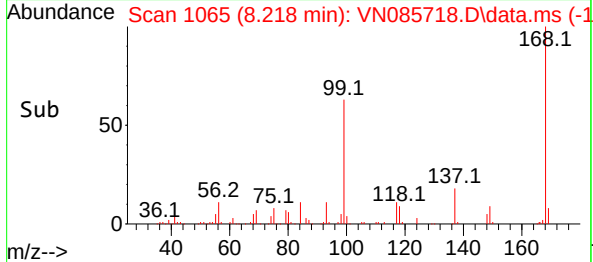
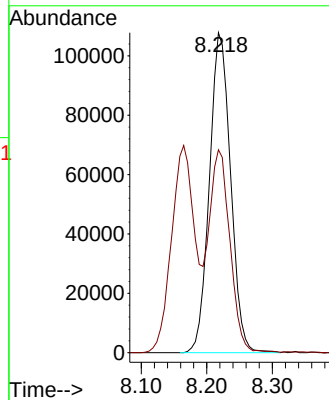
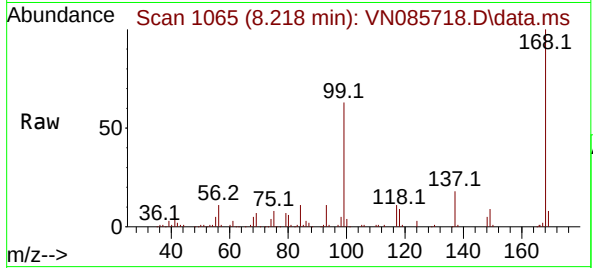
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 24160
Ion Ratio Lower Upper
168 100
99 63.2 53.6 80.4

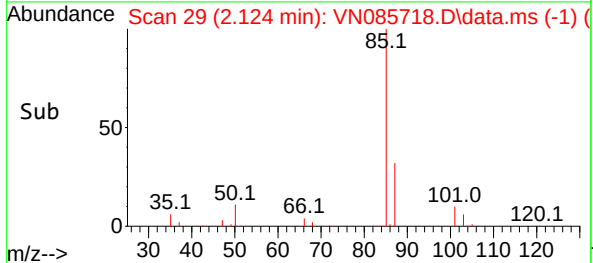
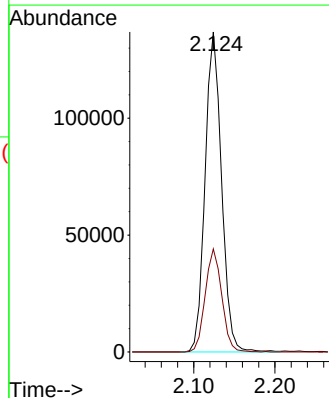
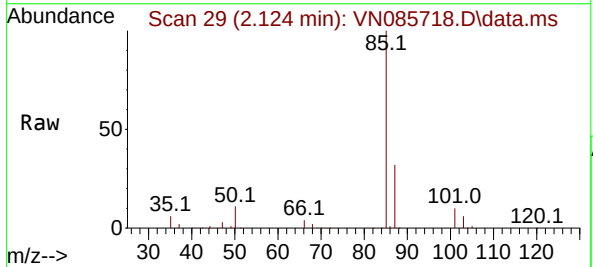
Manual Integrations
APPROVED

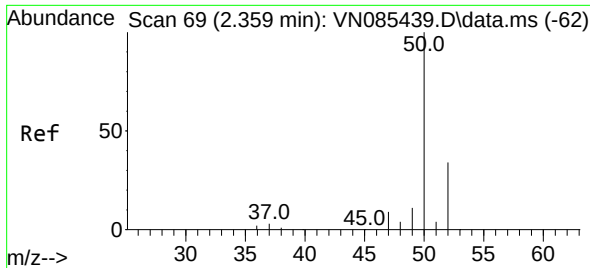
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 58.818 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

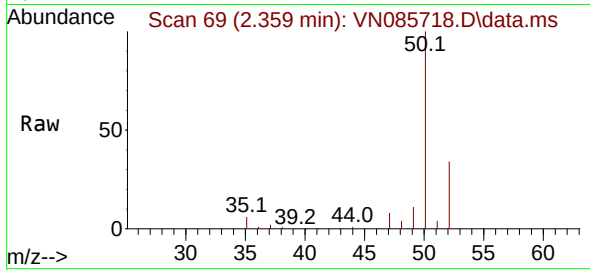
Tgt Ion: 85 Resp: 192410
Ion Ratio Lower Upper
85 100
87 32.2 16.7 50.1





#3
Chloromethane
Concen: 51.292 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

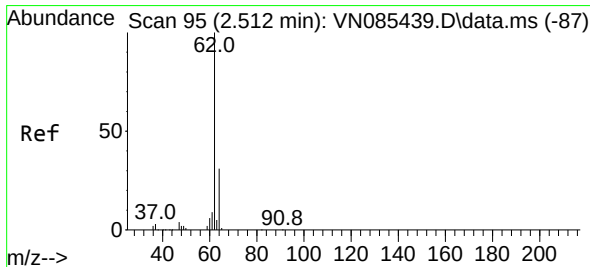
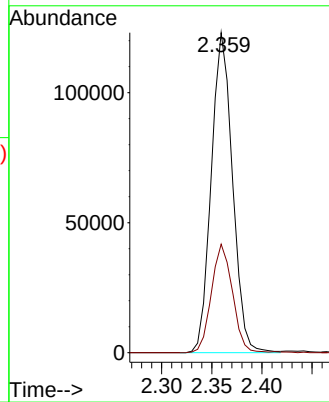
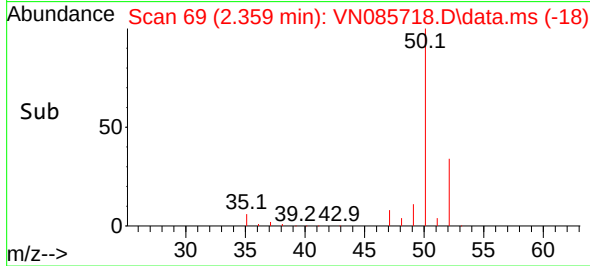
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 50 Resp: 18167
Ion Ratio Lower Upper
50 100
52 33.9 27.0 40.6

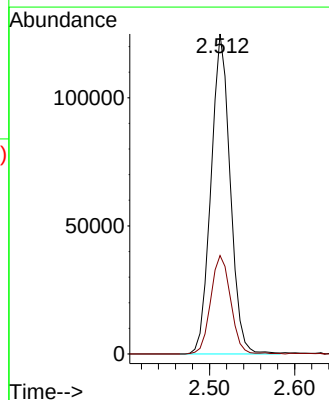
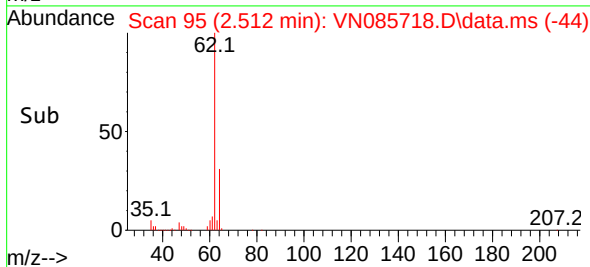
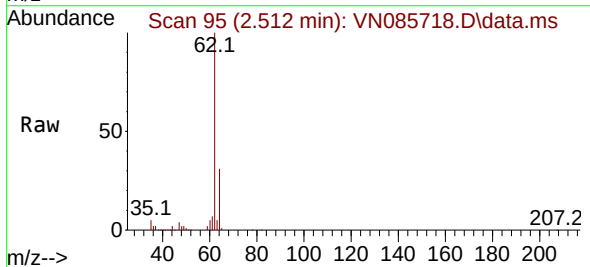
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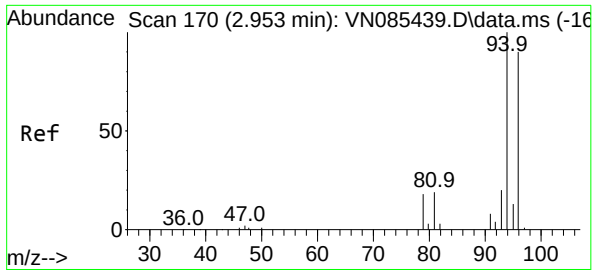
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 54.939 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

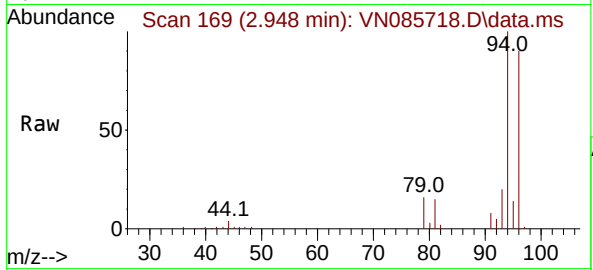
Tgt Ion: 62 Resp: 195589
Ion Ratio Lower Upper
62 100
64 30.8 24.8 37.2





#5
Bromomethane
Concen: 56.744 ug/l
RT: 2.948 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

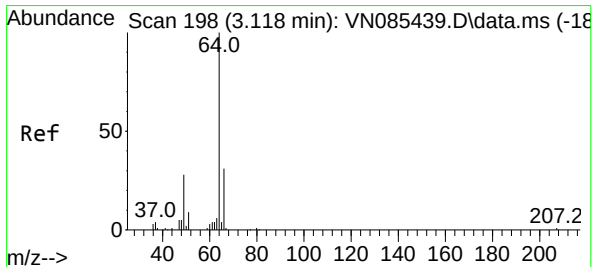
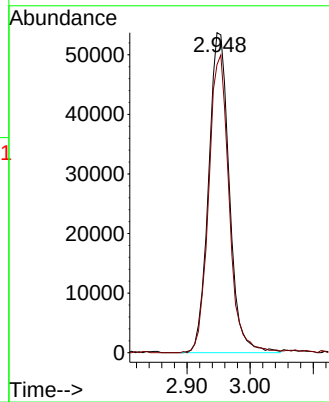
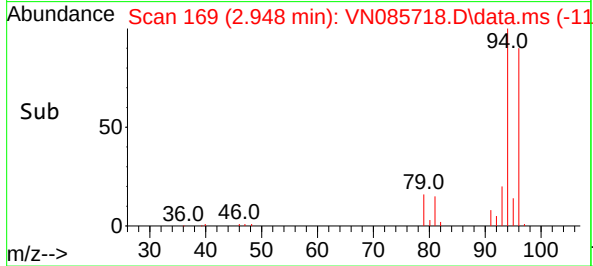
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 12202
Ion Ratio Lower Upper
94 100
96 90.0 71.8 107.6

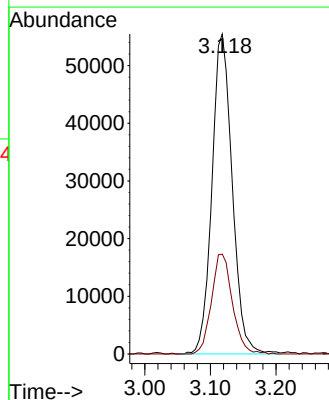
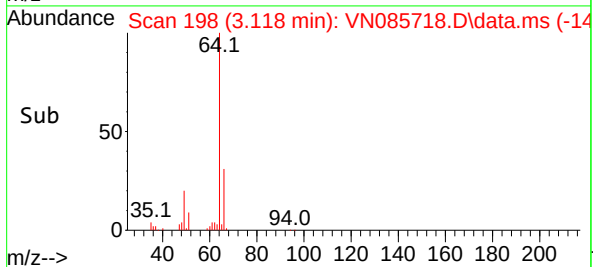
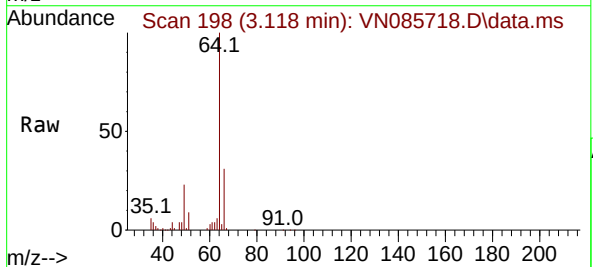
Manual Integrations
APPROVED

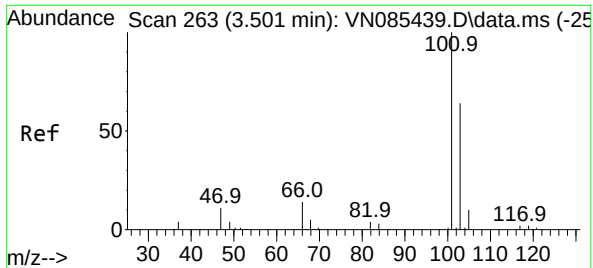
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 52.745 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

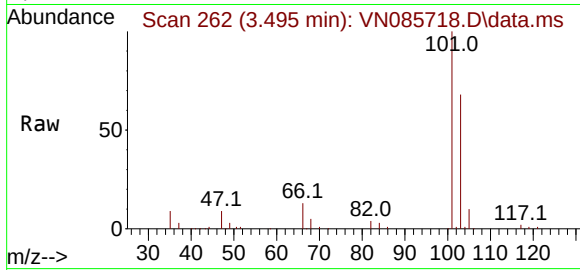
Tgt Ion: 64 Resp: 119049
Ion Ratio Lower Upper
64 100
66 31.2 24.6 36.8





#7
Trichlorofluoromethane
Concen: 52.425 ug/l
RT: 3.495 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

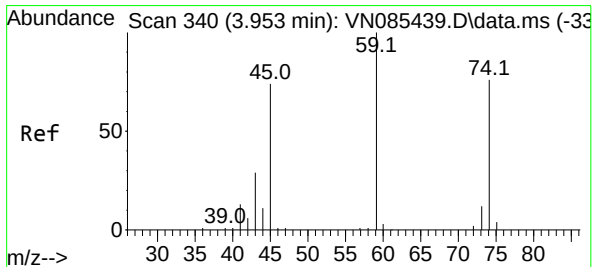
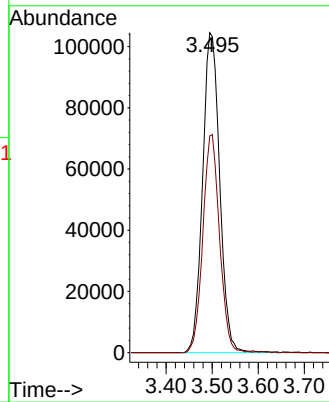
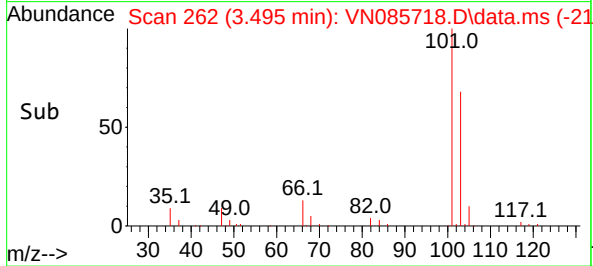
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 270810
Ion Ratio Lower Upper
101 100
103 67.8 51.4 77.2

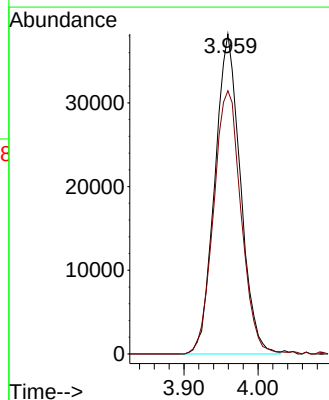
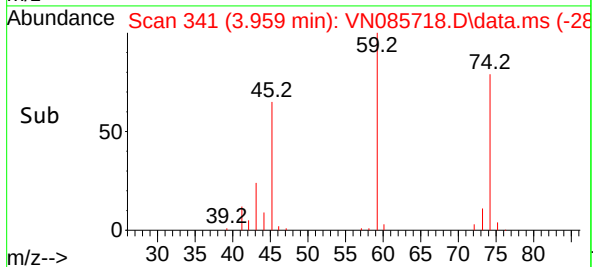
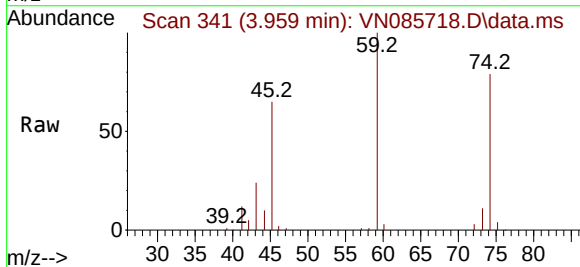
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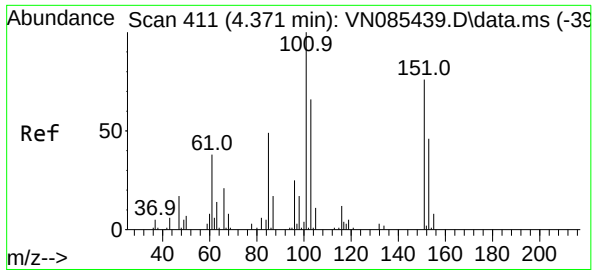
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 51.307 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Tgt Ion: 74 Resp: 91559
Ion Ratio Lower Upper
74 100
45 88.6 49.7 149.1





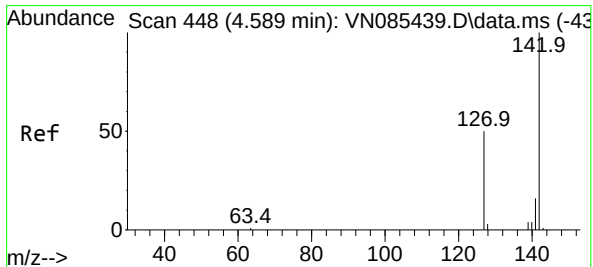
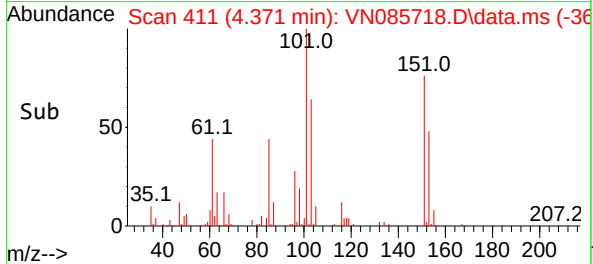
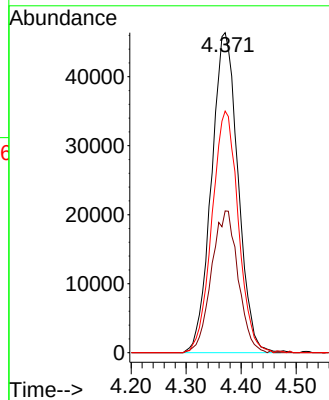
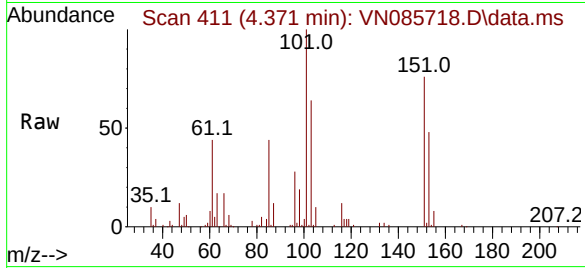
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.501 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 155660
Ion Ratio Lower Upper
101 100
85 44.4 37.8 56.8
151 74.9 58.8 88.2

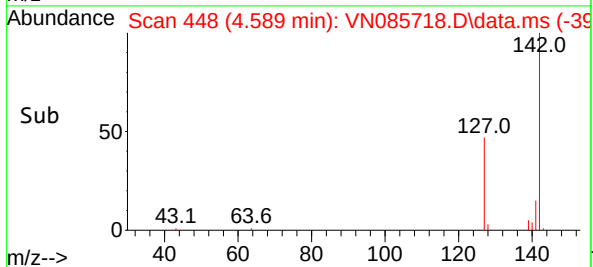
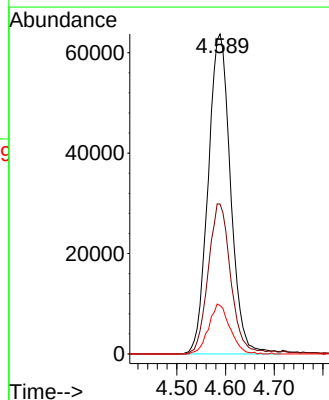
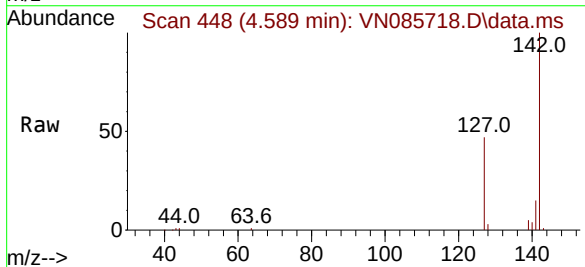
Manual Integrations
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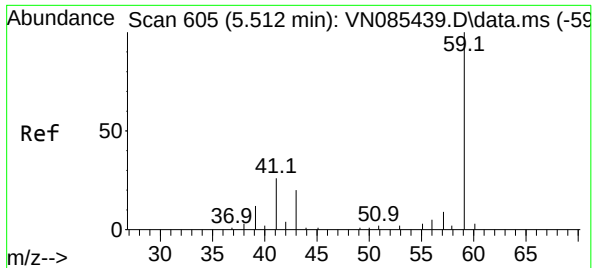
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#10
Methyl Iodide
Concen: 61.069 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Tgt Ion:142 Resp: 203473
Ion Ratio Lower Upper
142 100
127 46.9 40.3 60.5
141 15.1 12.8 19.2





#11

Tert butyl alcohol

Concen: 256.863 ug/l

RT: 5.512 min Scan# 605

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 114710

Ion Ratio Lower Upper

59 100

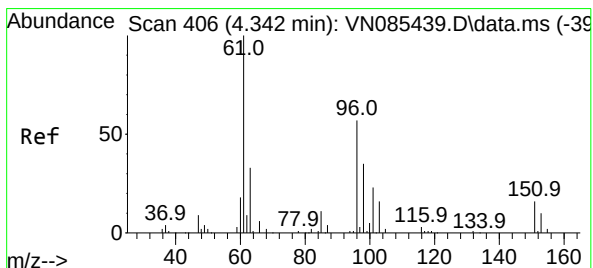
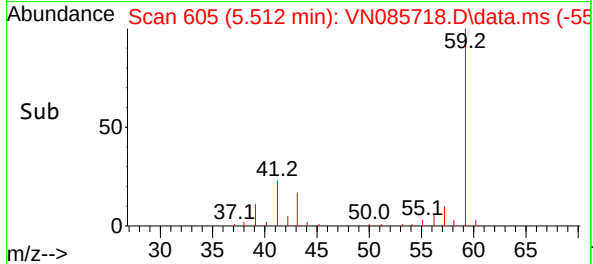
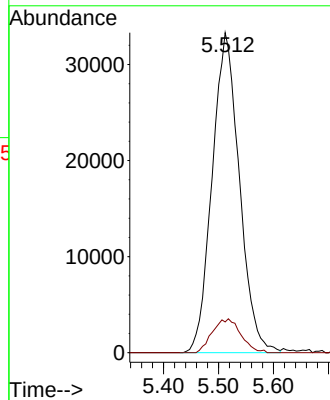
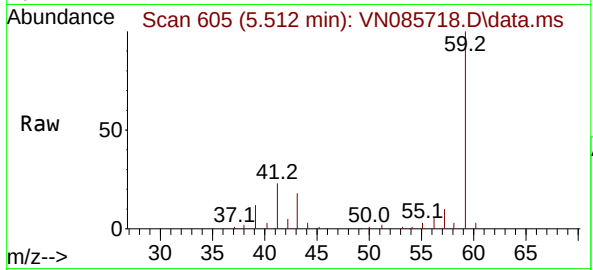
57 11.0 8.6 13.0

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#12

1,1-Dichloroethene

Concen: 56.476 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.006 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

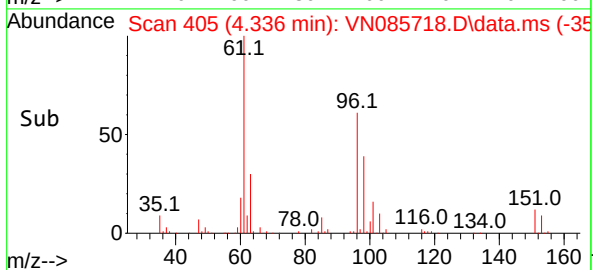
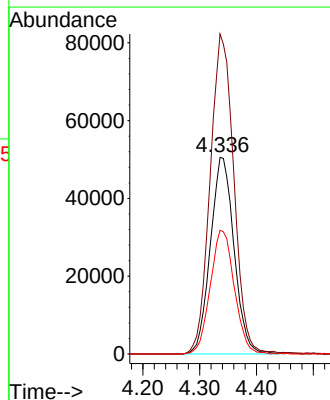
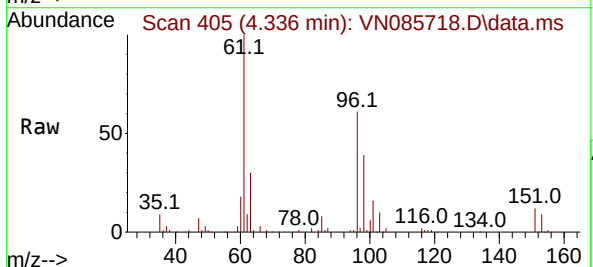
Tgt Ion: 96 Resp: 146443

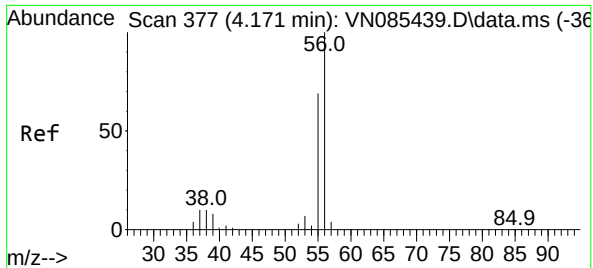
Ion Ratio Lower Upper

96 100

61 162.7 141.0 211.4

98 62.9 49.0 73.6





#13

Acrolein

Concen: 228.072 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 139038

Ion Ratio Lower Upper

56 100

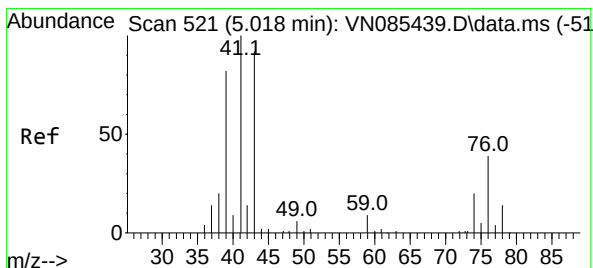
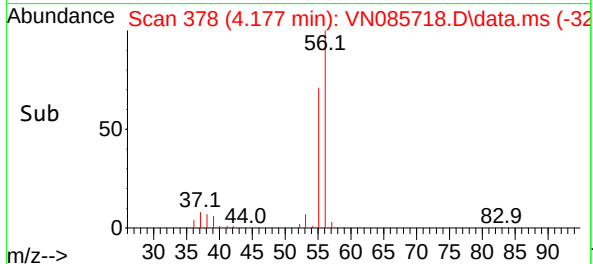
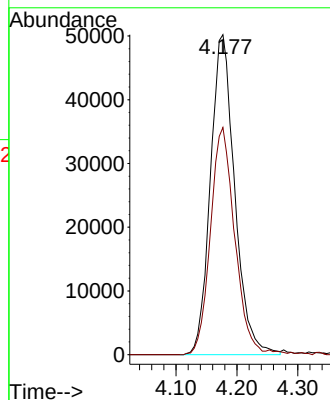
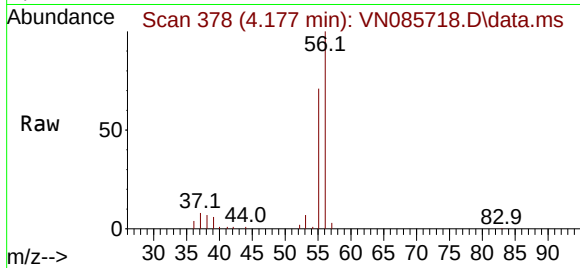
55 70.6 56.3 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 45.989 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

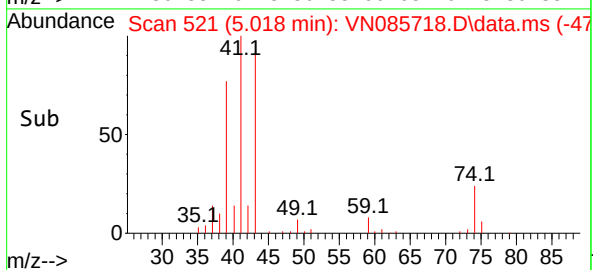
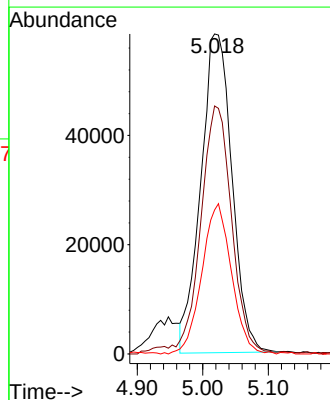
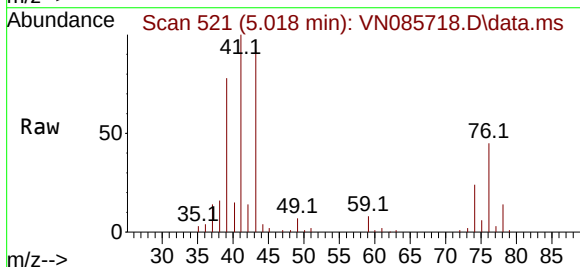
Tgt Ion: 41 Resp: 193504

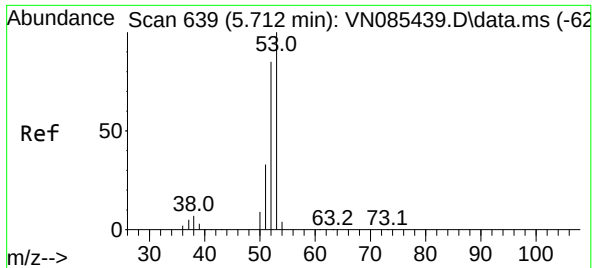
Ion Ratio Lower Upper

41 100

39 78.1 64.4 96.6

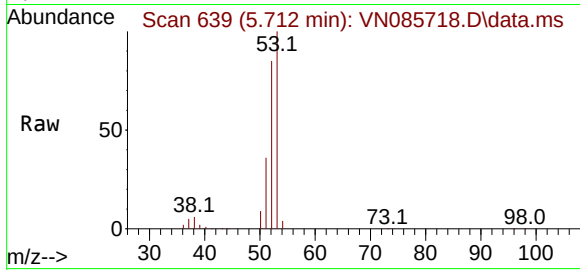
76 44.8 30.5 45.7





#15
Acrylonitrile
Concen: 250.688 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

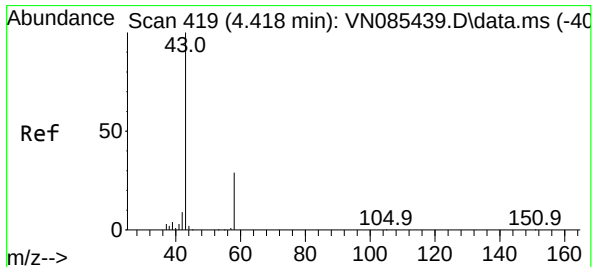
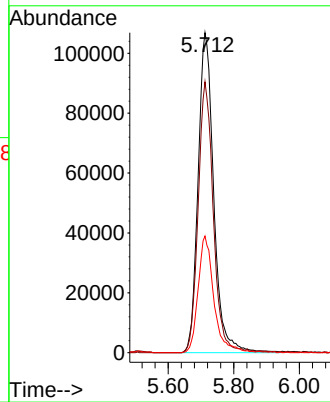
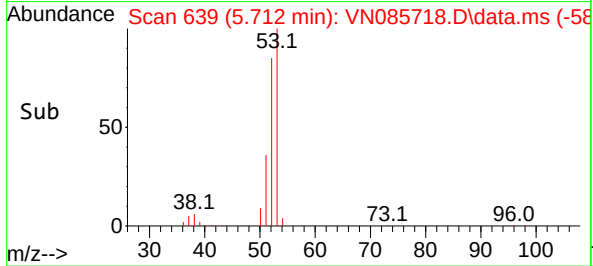
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 53 Resp: 355590
Ion Ratio Lower Upper
53 100
52 82.0 65.5 98.3
51 36.6 29.8 44.8

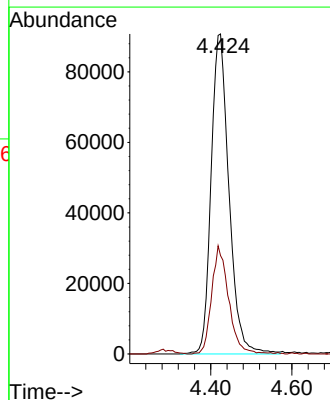
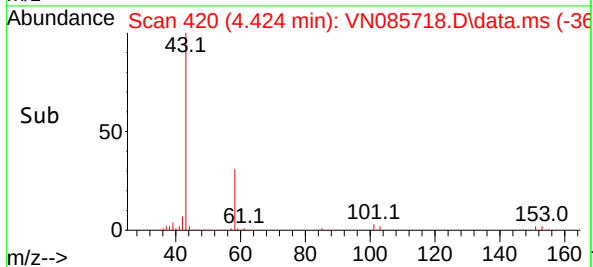
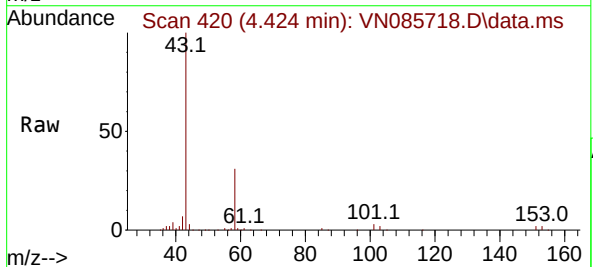
Manual Integrations
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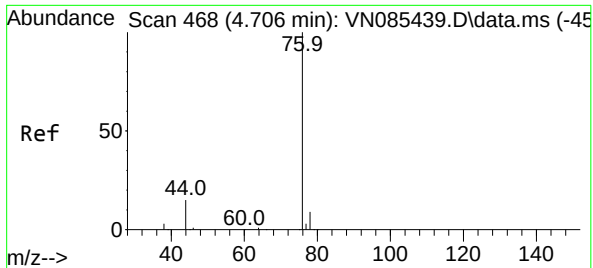
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#16
Acetone
Concen: 219.237 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

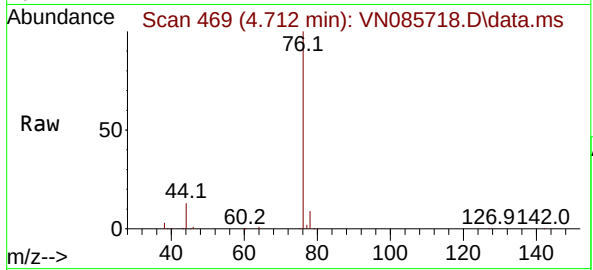
Tgt Ion: 43 Resp: 276269
Ion Ratio Lower Upper
43 100
58 30.6 23.8 35.6





#17
Carbon Disulfide
Concen: 53.566 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

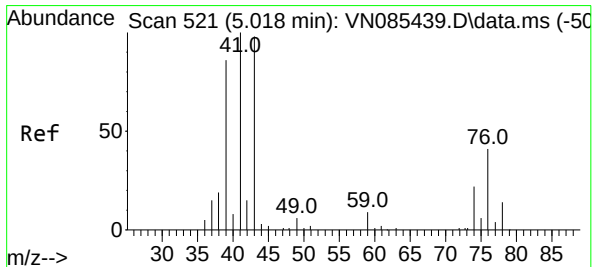
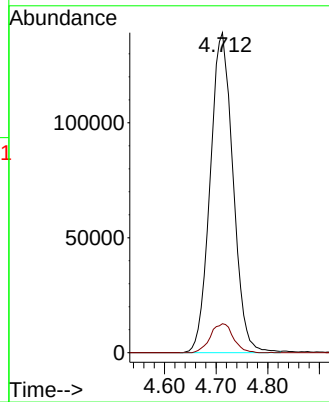
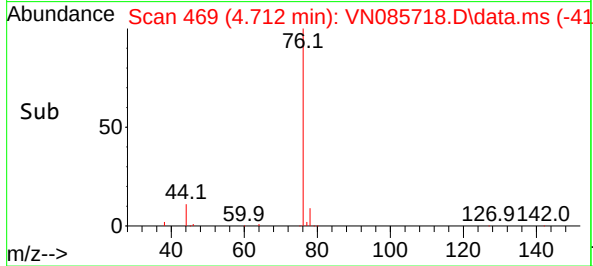
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 42766
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3

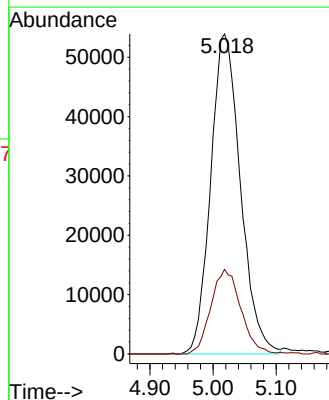
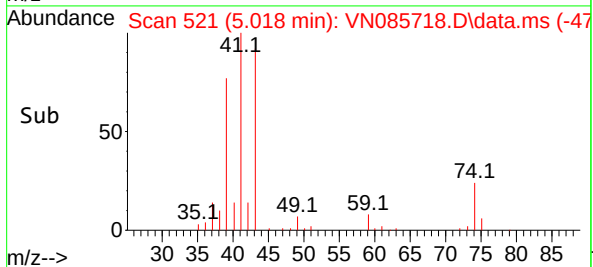
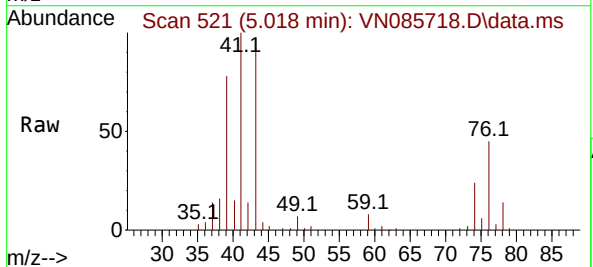
Manual Integrations
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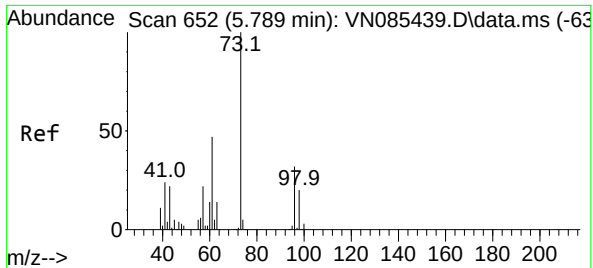
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#18
Methyl Acetate
Concen: 46.137 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Tgt Ion: 43 Resp: 176790
Ion Ratio Lower Upper
43 100
74 26.4 18.6 28.0





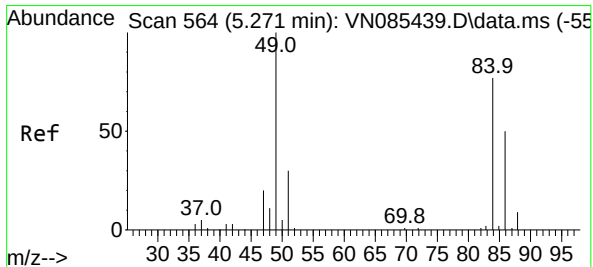
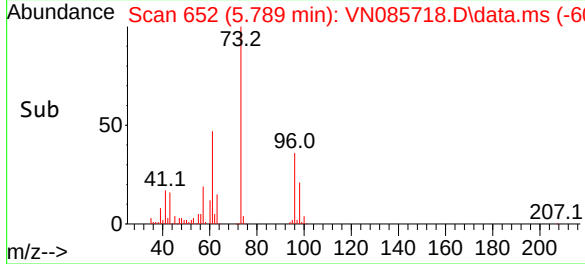
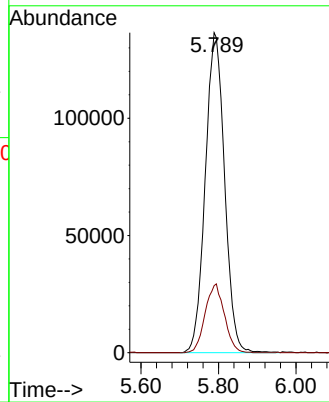
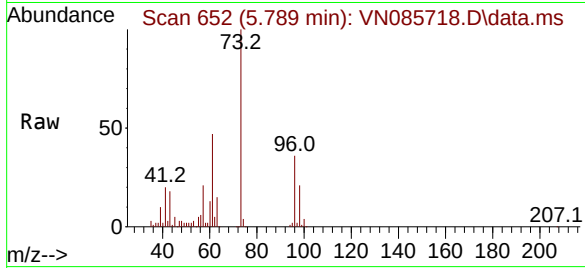
#19
Methyl tert-butyl Ether
Concen: 55.931 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 470925
Ion Ratio Lower Upper
73 100
57 21.0 17.8 26.8

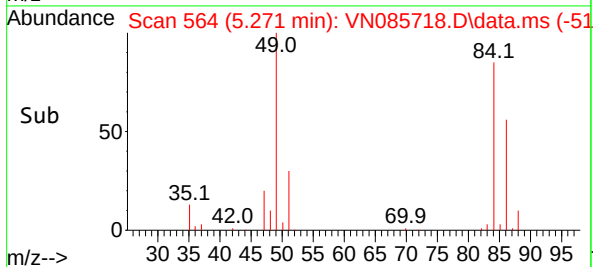
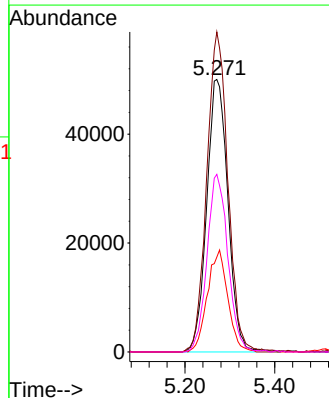
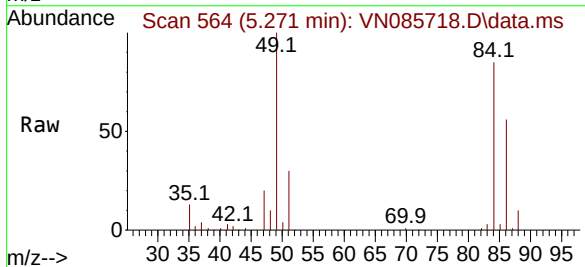
Manual Integrations
APPROVED

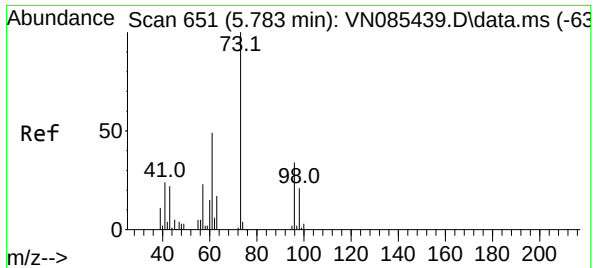
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#20
Methylene Chloride
Concen: 52.824 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

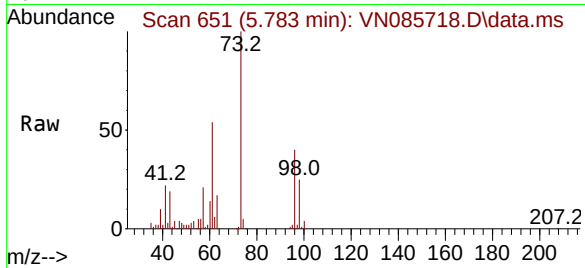
Tgt Ion: 84 Resp: 164787
Ion Ratio Lower Upper
84 100
49 117.4 104.1 156.1
51 34.8 31.0 46.4
86 65.2 51.9 77.9





#21
trans-1,2-Dichloroethene
Concen: 56.174 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

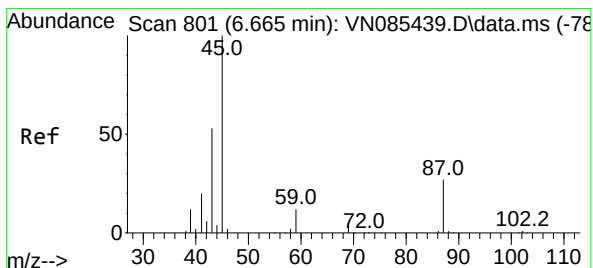
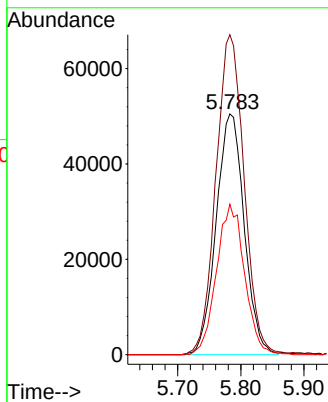
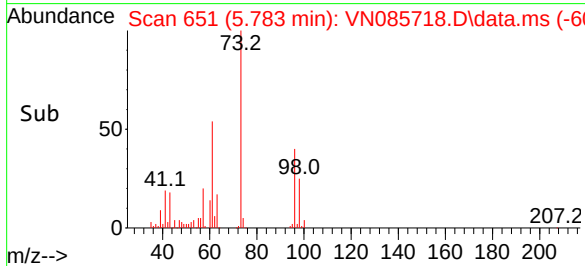
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 15566
Ion Ratio Lower Upper
96 100
61 132.9 115.7 173.5
98 62.5 49.8 74.8

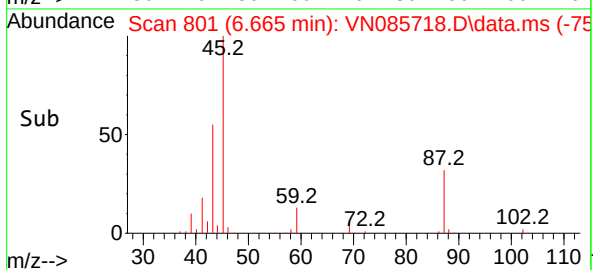
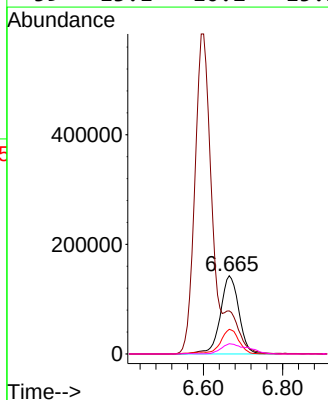
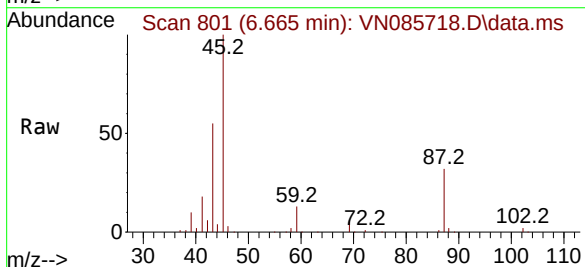
Manual Integrations
APPROVED

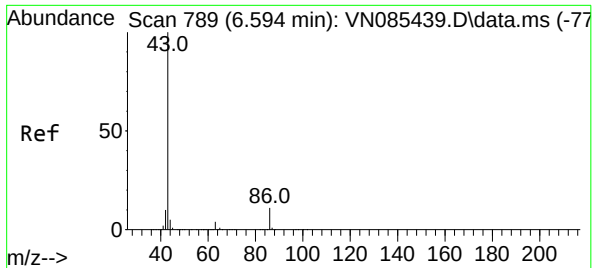
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#22
Diisopropyl ether
Concen: 49.540 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

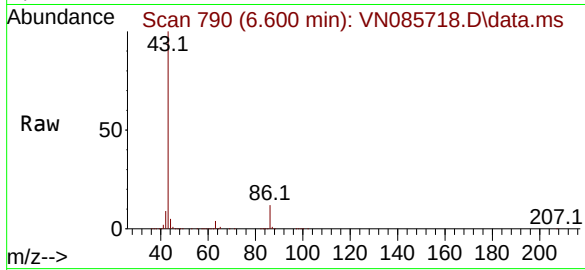
Tgt Ion: 45 Resp: 462658
Ion Ratio Lower Upper
45 100
43 54.2 45.0 67.6
87 31.5 21.8 32.8
59 13.1 10.2 15.2





#23
 Vinyl Acetate
 Concen: 258.421 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. 0.006 min
 Lab File: VN085718.D
 Acq: 10 Feb 2025 12:12

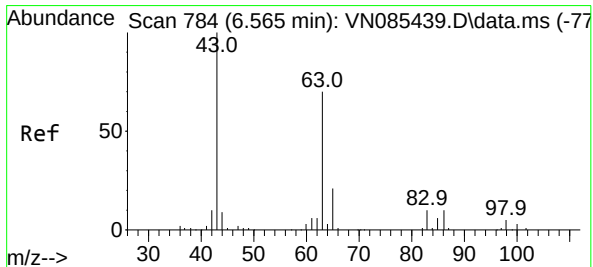
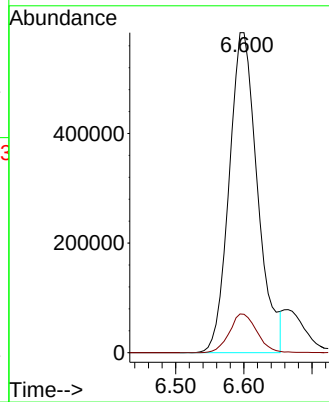
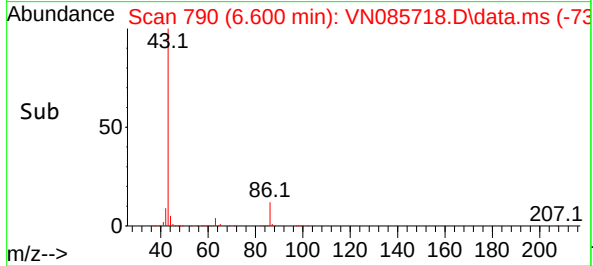
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 43 Resp: 1688980
 Ion Ratio Lower Upper
 43 100
 86 12.0 8.4 12.6

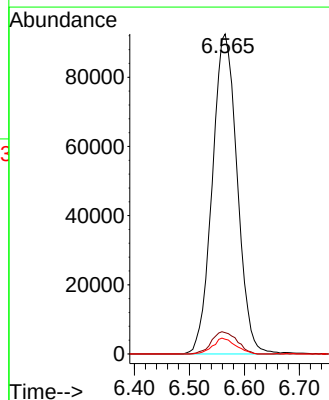
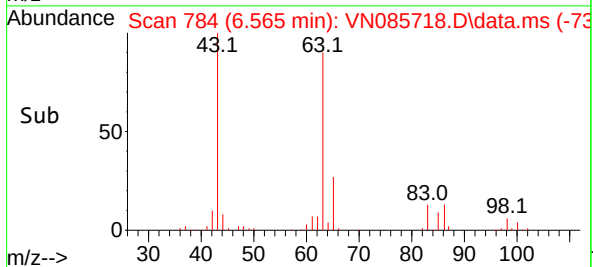
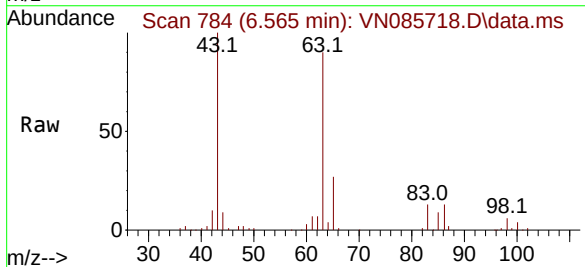
Manual Integrations
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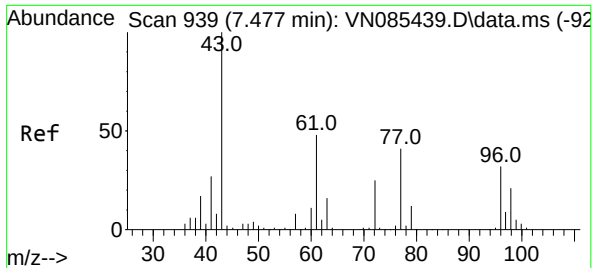
Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025



#24
 1,1-Dichloroethane
 Concen: 51.127 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. -0.000 min
 Lab File: VN085718.D
 Acq: 10 Feb 2025 12:12

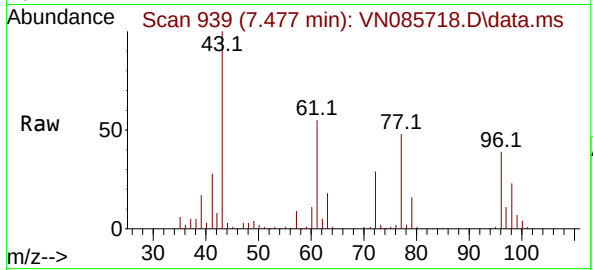
Tgt Ion: 63 Resp: 291144
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.6 2.0 6.0





#25
2-Butanone
Concen: 236.309 ug/l
RT: 7.477 min Scan# 911
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

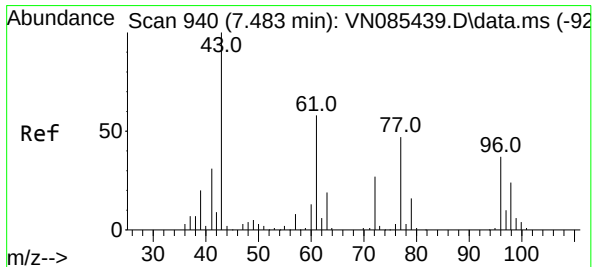
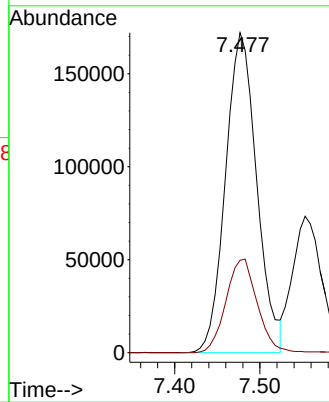
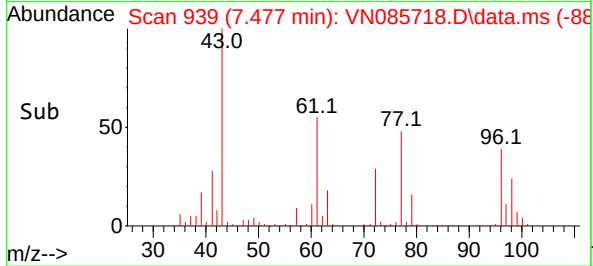
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



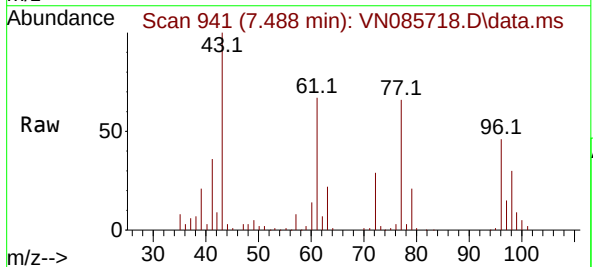
Tgt Ion: 43 Resp: 43821
Ion Ratio Lower Upper
43 100
72 28.9 20.2 30.4

Manual Integrations
APPROVED

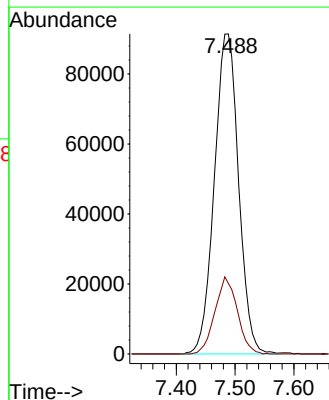
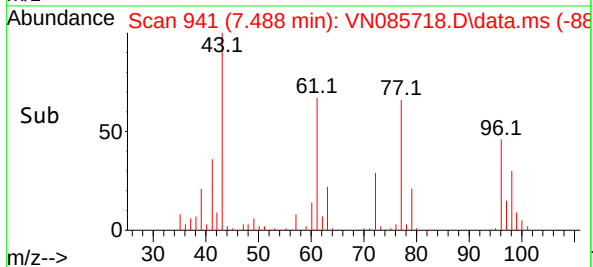
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

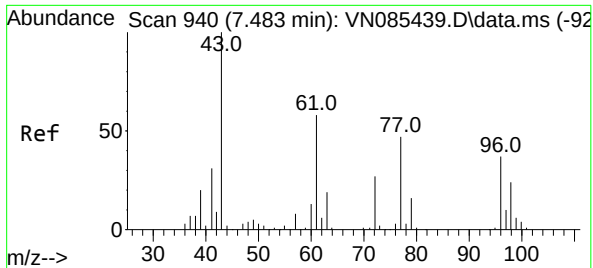


#26
2,2-Dichloropropane
Concen: 56.810 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12



Tgt Ion: 77 Resp: 261553
Ion Ratio Lower Upper
77 100
97 22.3 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 56.038 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 182900

Ion Ratio Lower Upper

96 100

61 143.5 0.0 311.8

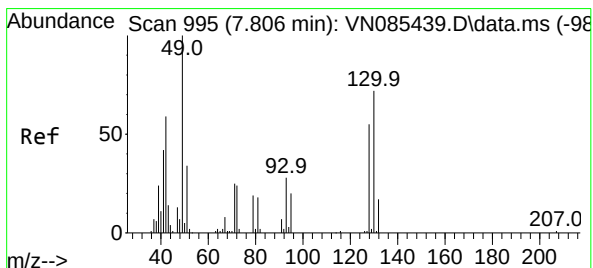
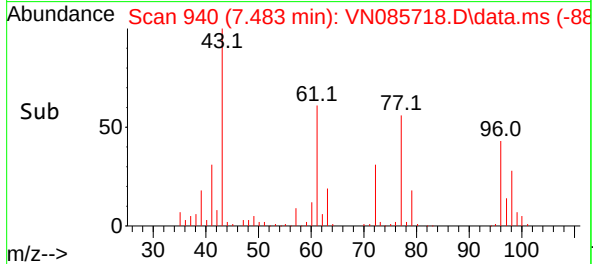
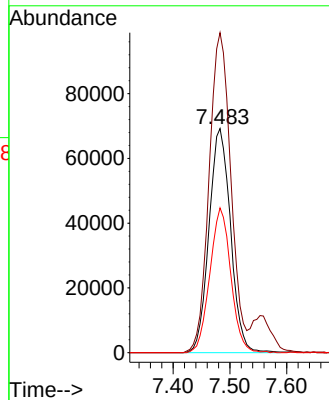
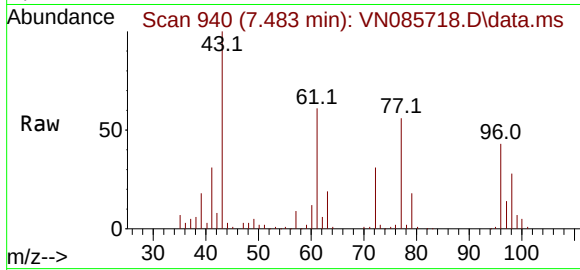
98 62.8 0.0 126.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 41.864 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

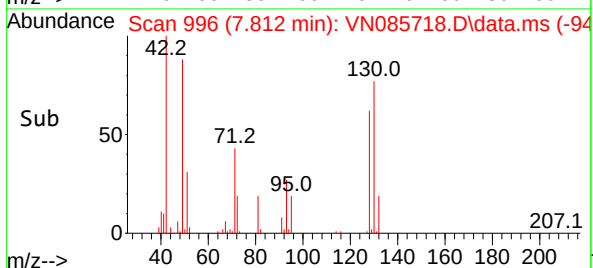
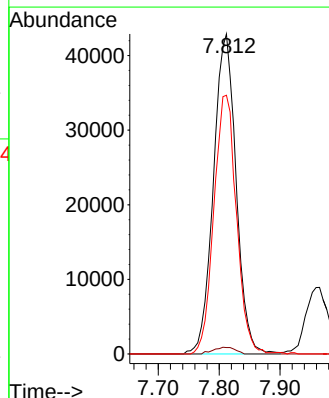
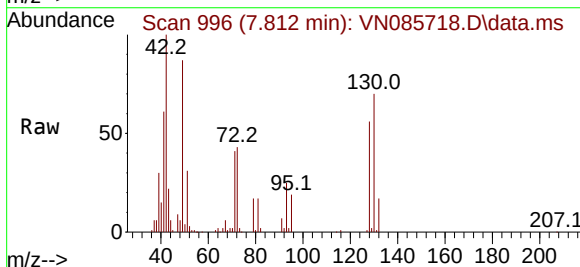
Tgt Ion: 49 Resp: 110911

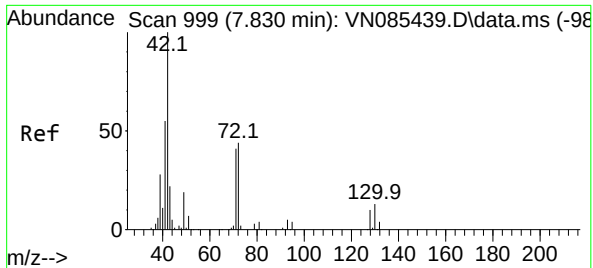
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

130 80.5 55.0 82.4





#29

Tetrahydrofuran

Concen: 251.701 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 295924

Ion Ratio Lower Upper

42 100

72 48.7 34.2 51.2

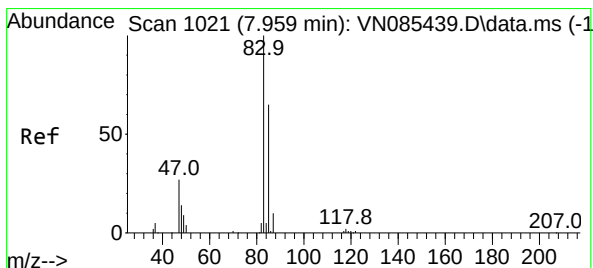
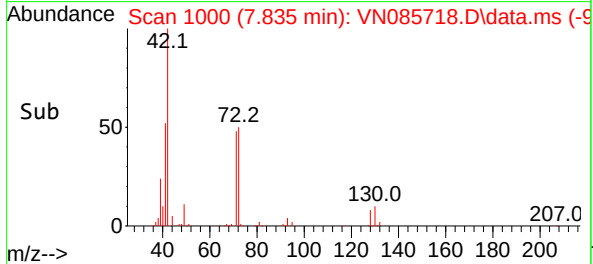
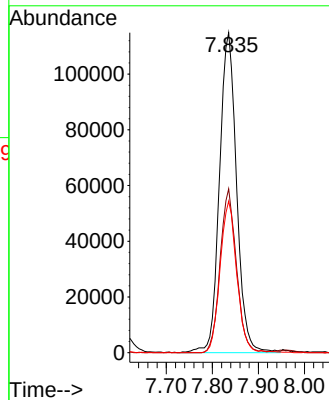
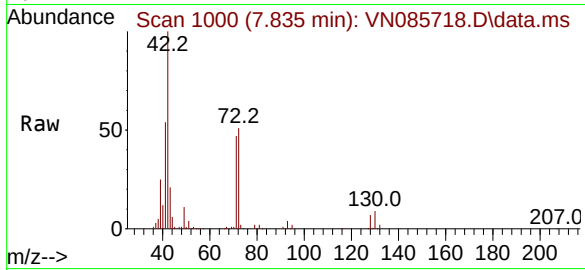
71 46.1 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 50.761 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085718.D

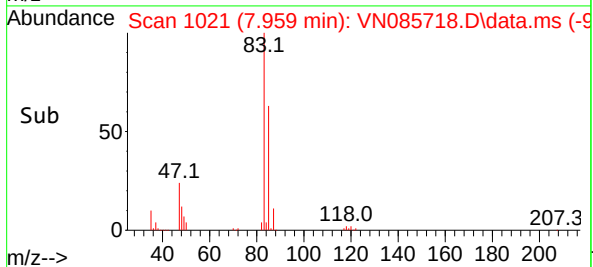
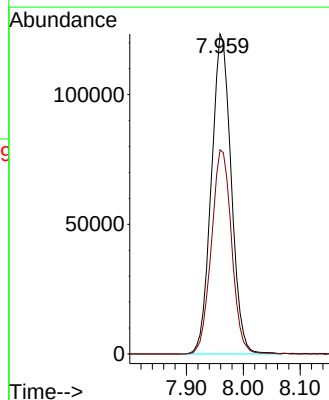
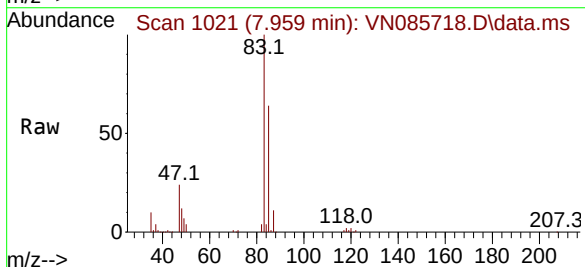
Acq: 10 Feb 2025 12:12

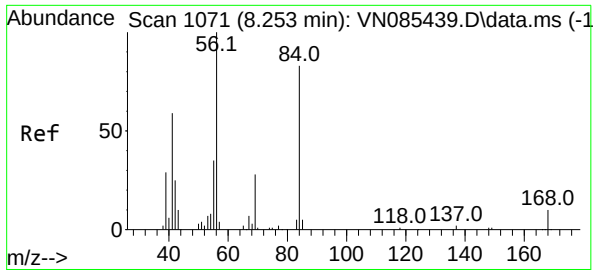
Tgt Ion: 83 Resp: 298754

Ion Ratio Lower Upper

83 100

85 63.8 51.8 77.6





#31

Cyclohexane

Concen: 47.397 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 234592

Ion Ratio Lower Upper

56 100

69 31.4 22.2 33.4

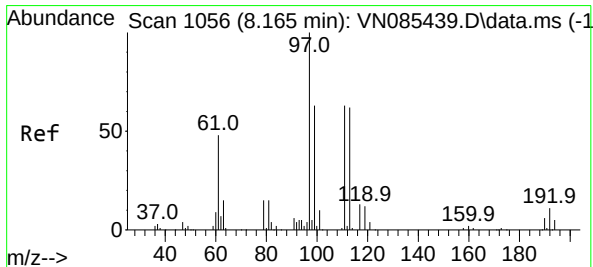
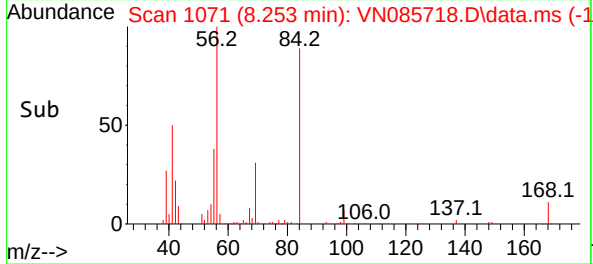
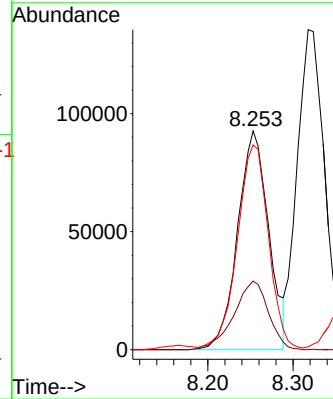
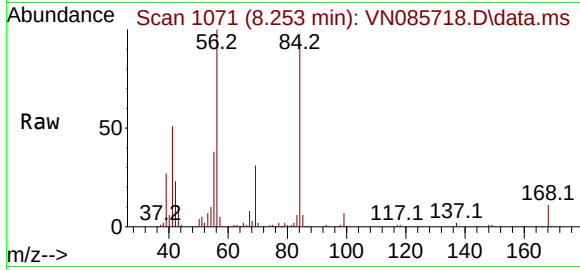
84 91.9 66.4 99.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#32

1,1,1-Trichloroethane

Concen: 52.186 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

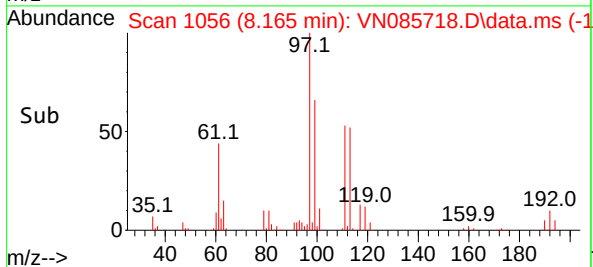
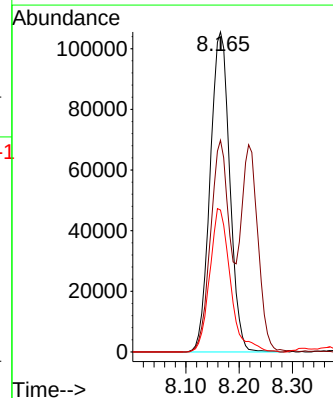
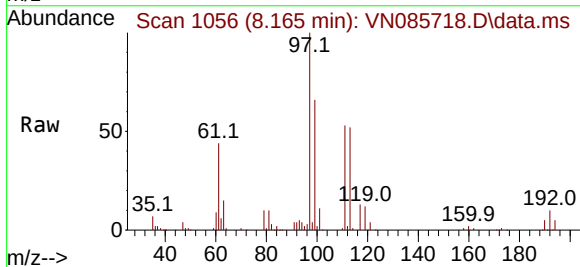
Tgt Ion: 97 Resp: 269415

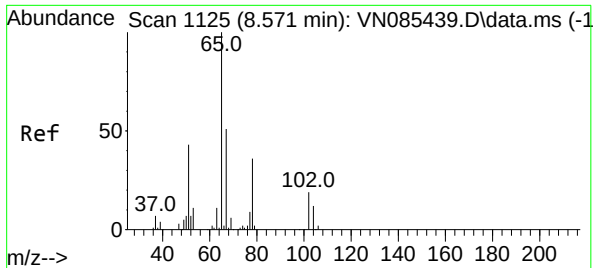
Ion Ratio Lower Upper

97 100

99 65.6 49.8 74.6

61 47.3 41.4 62.2





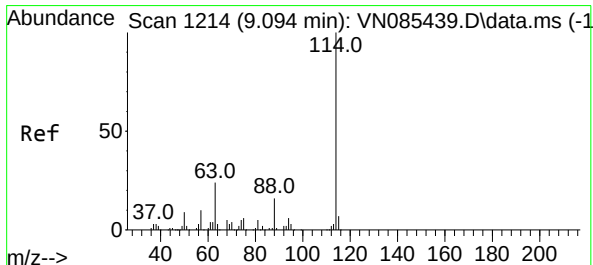
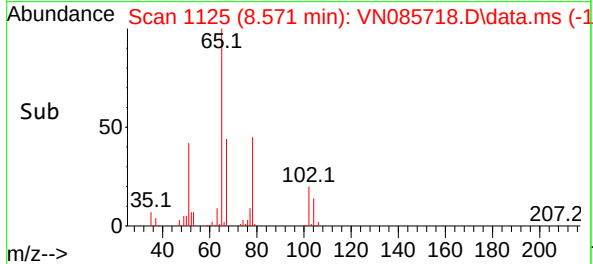
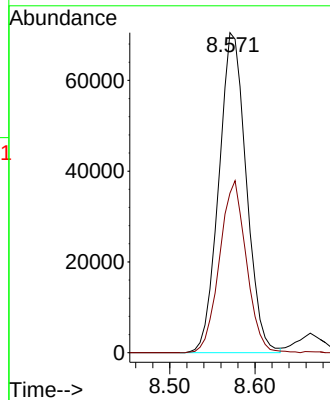
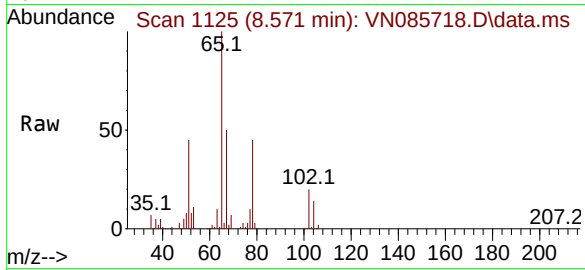
#33
1,2-Dichloroethane-d4
Concen: 40.480 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 157875
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.6

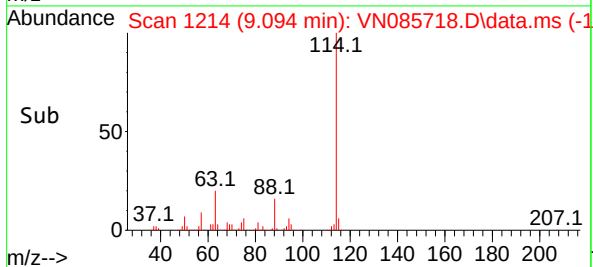
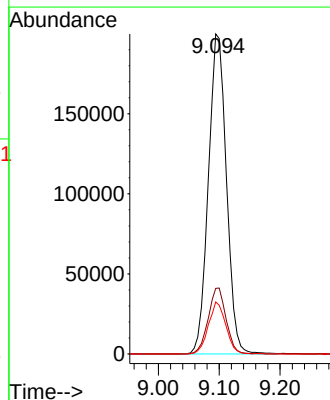
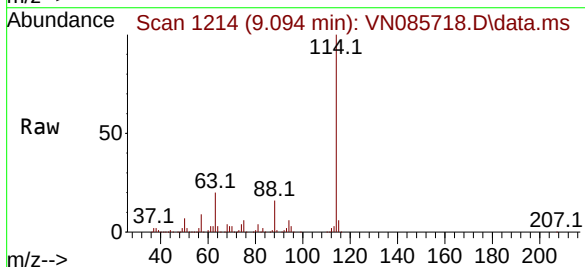
Manual Integrations
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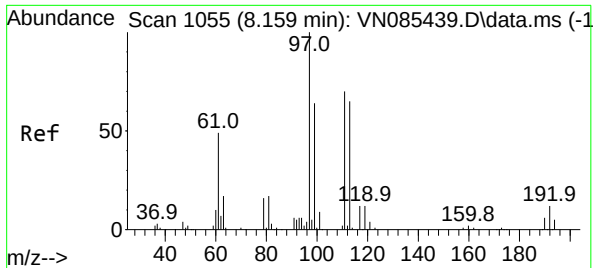
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Tgt Ion:114 Resp: 411898
Ion Ratio Lower Upper
114 100
63 20.5 0.0 47.6
88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 45.951 ug/l

RT: 8.165 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 131308

Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

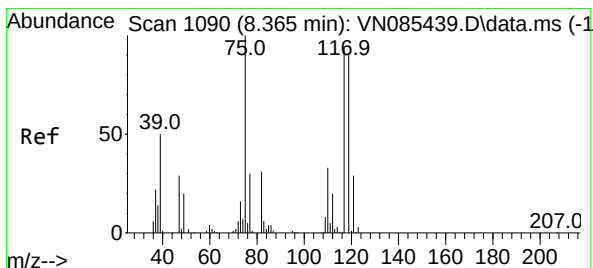
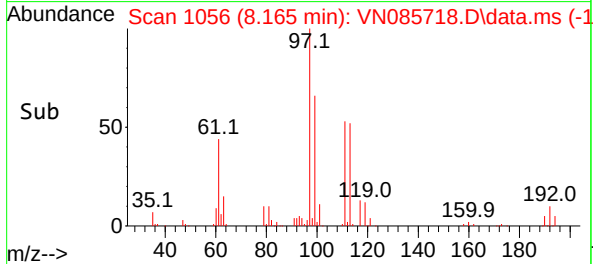
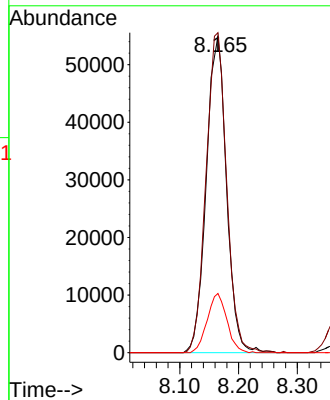
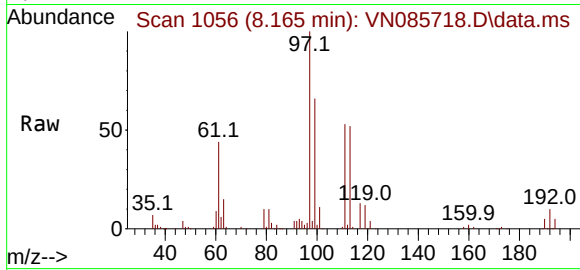
192 18.2 14.3 21.5

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 52.778 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

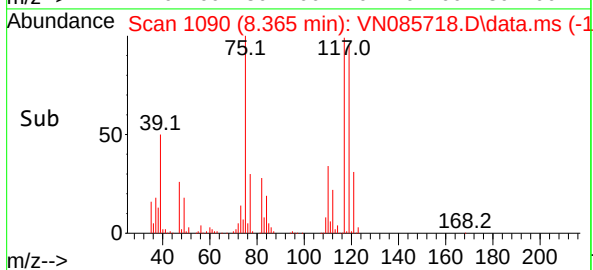
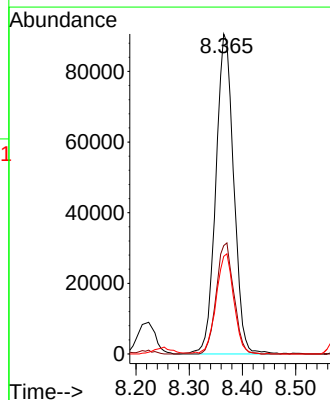
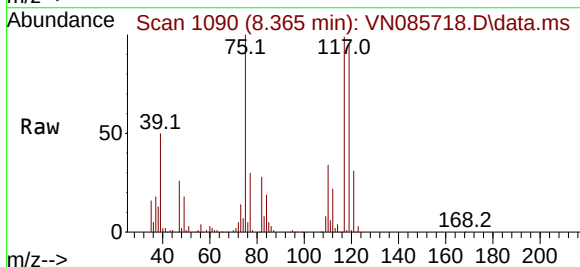
Tgt Ion: 75 Resp: 211667

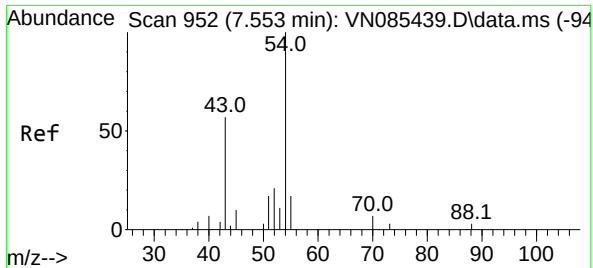
Ion Ratio Lower Upper

75 100

110 33.9 16.5 49.5

77 31.0 24.4 36.6





#37

Ethyl Acetate

Concen: 44.830 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 18147

Ion Ratio Lower Upper

43 100

61 15.2 10.9 16.3

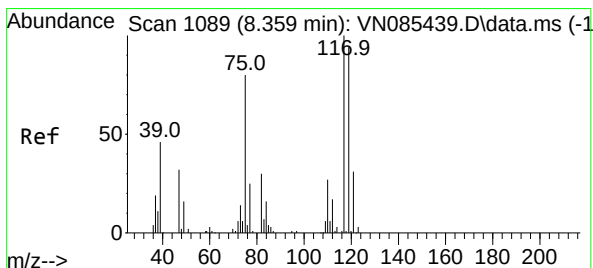
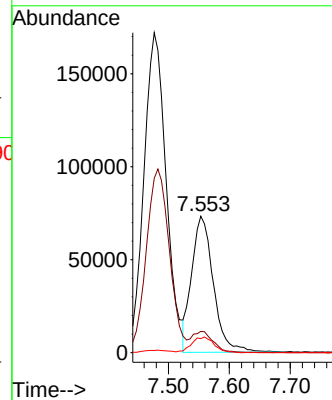
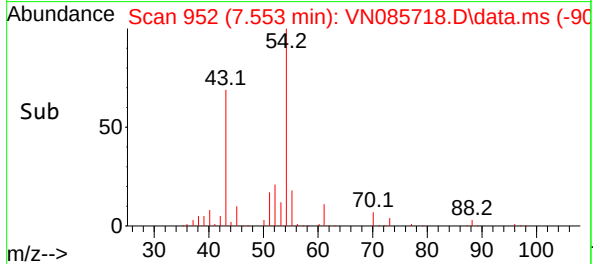
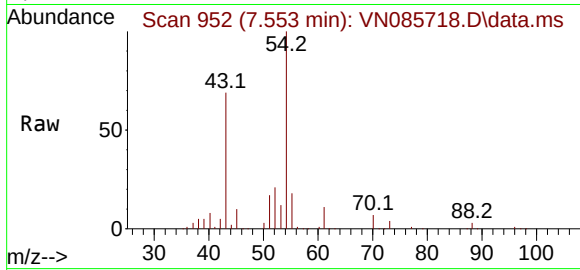
70 11.8 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 52.438 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

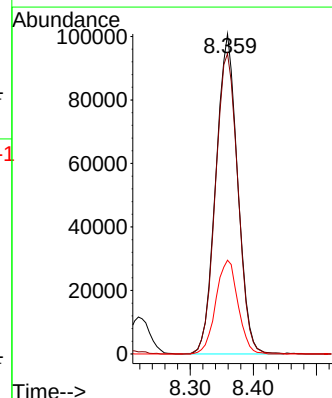
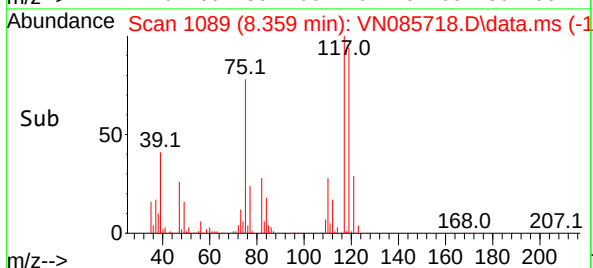
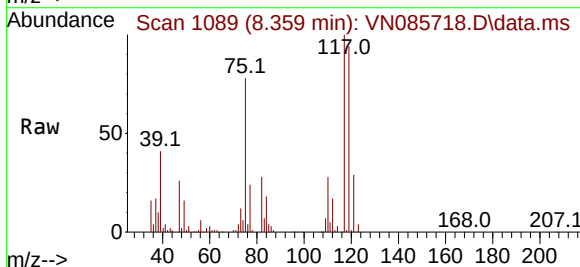
Tgt Ion:117 Resp: 240761

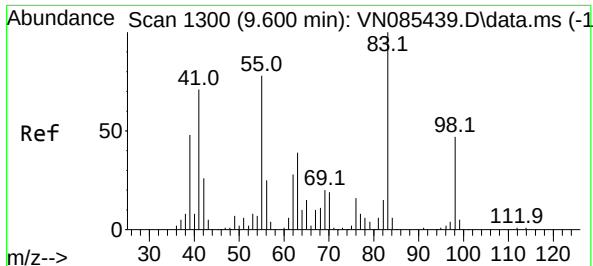
Ion Ratio Lower Upper

117 100

119 93.8 75.4 113.2

121 29.3 24.6 37.0





#39

Methylcyclohexane

Concen: 56.623 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 213394

Ion Ratio Lower Upper

83 100

55 75.4 62.6 94.0

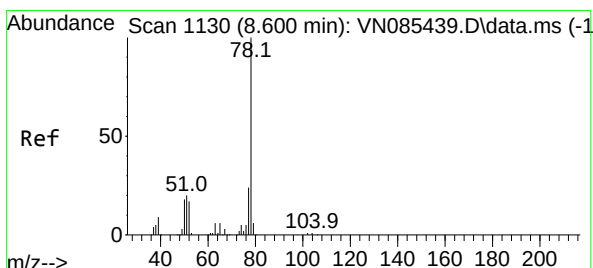
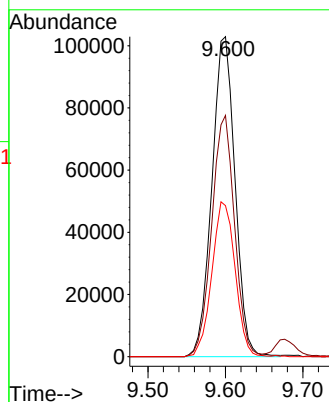
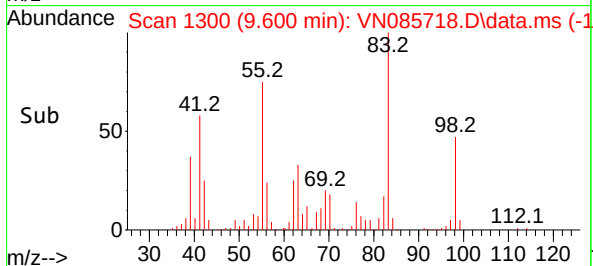
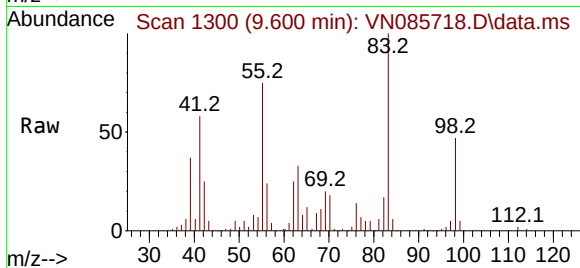
98 47.2 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 53.993 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085718.D

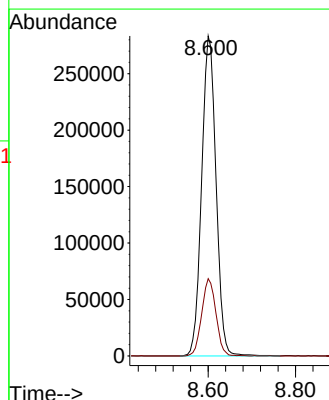
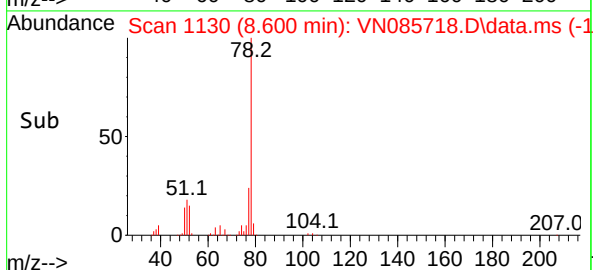
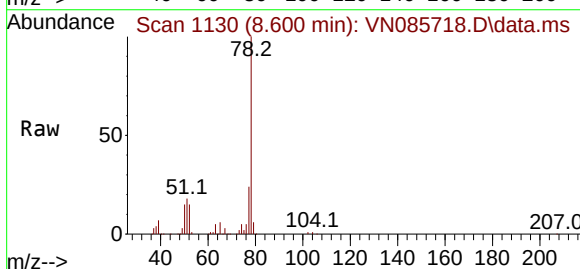
Acq: 10 Feb 2025 12:12

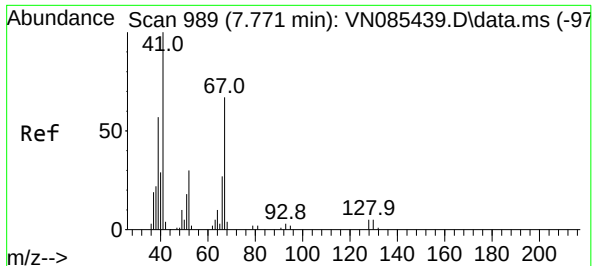
Tgt Ion: 78 Resp: 650627

Ion Ratio Lower Upper

78 100

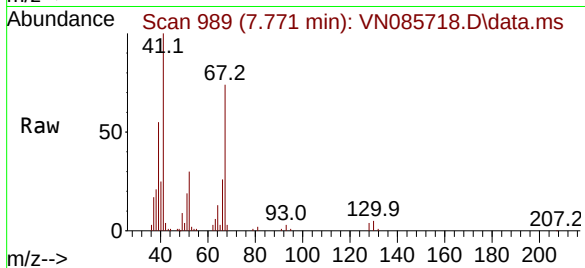
77 24.2 19.0 28.6





#41
Methacrylonitrile
Concen: 46.941 ug/l
RT: 7.771 min Scan# 989
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

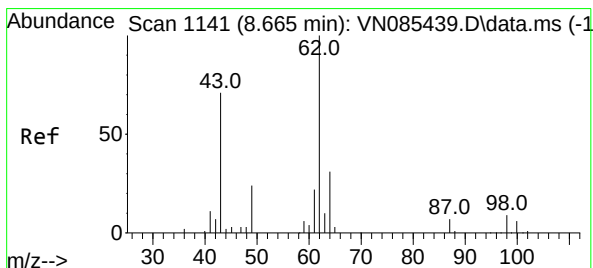
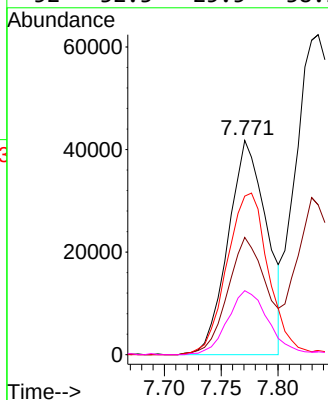
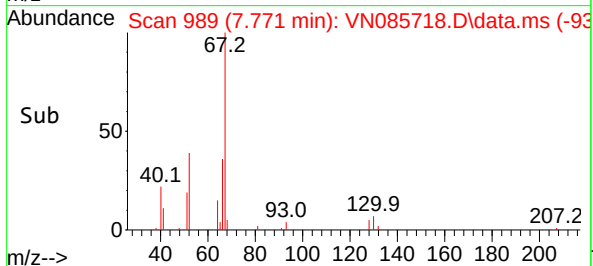
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 9886
Ion Ratio Lower Upper
41 100
39 54.7 46.0 69.0
67 82.1 57.4 86.2
52 32.3 25.5 38.3

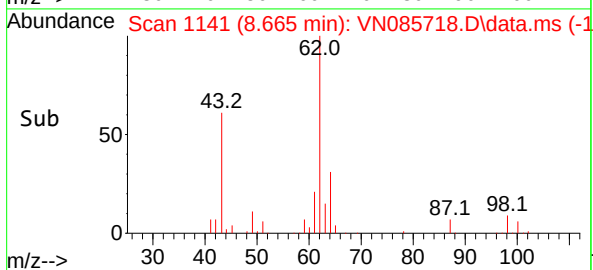
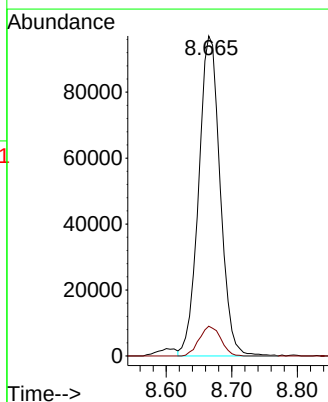
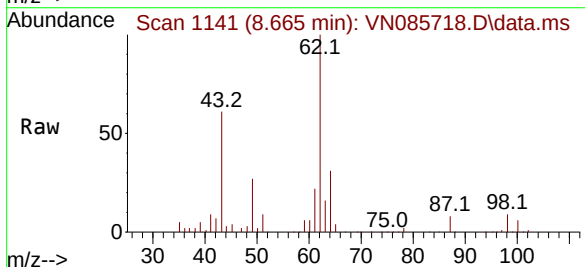
Manual Integrations
APPROVED

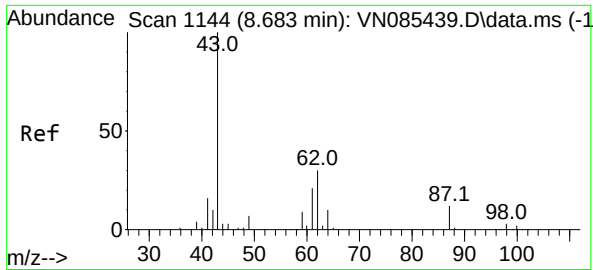
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#42
1,2-Dichloroethane
Concen: 48.699 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Tgt Ion: 62 Resp: 221021
Ion Ratio Lower Upper
62 100
98 9.3 0.0 17.0





#43

Isopropyl Acetate

Concen: 49.064 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 318250

Ion Ratio Lower Upper

43 100

61 27.5 20.7 31.1

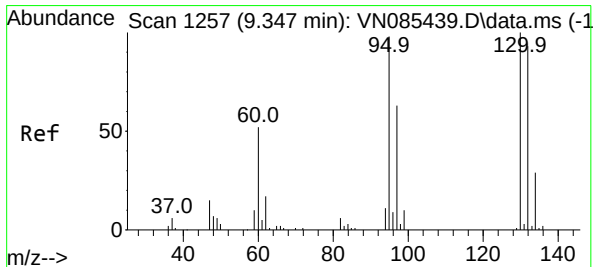
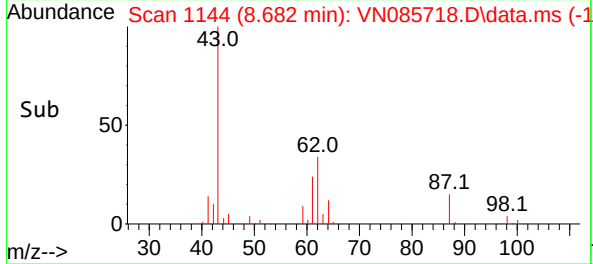
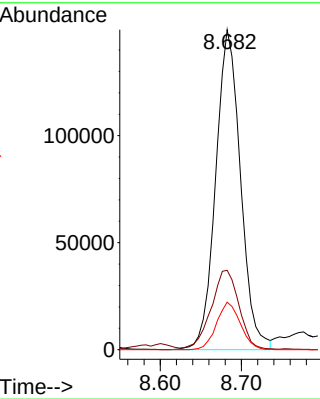
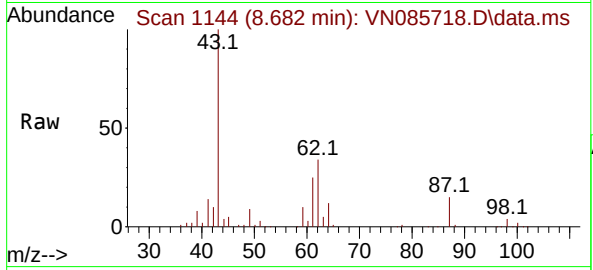
87 14.2 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 54.607 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN085718.D

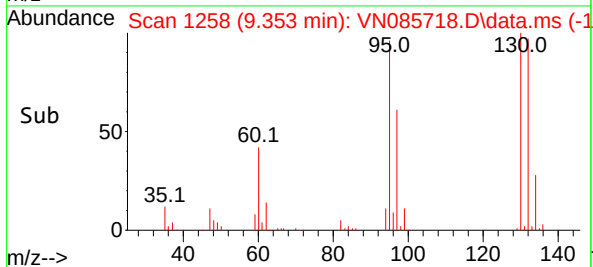
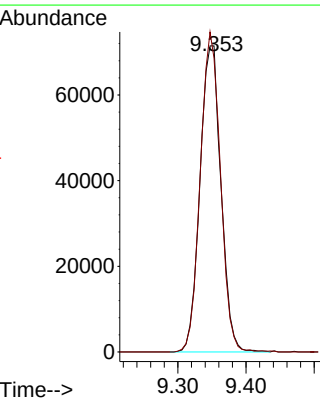
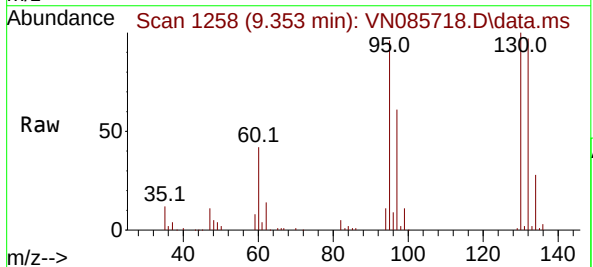
Acq: 10 Feb 2025 12:12

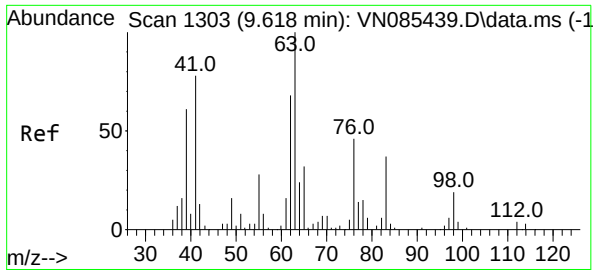
Tgt Ion:130 Resp: 153175

Ion Ratio Lower Upper

130 100

95 95.9 0.0 195.8





#45

1,2-Dichloropropane

Concen: 50.412 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 15516

Ion Ratio Lower Upper

63 100

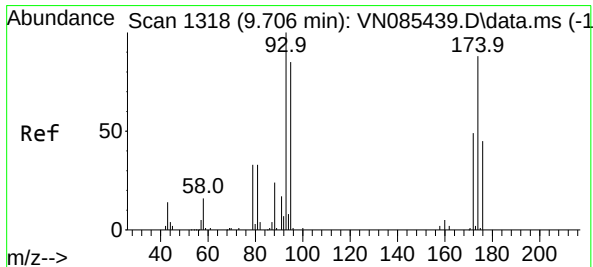
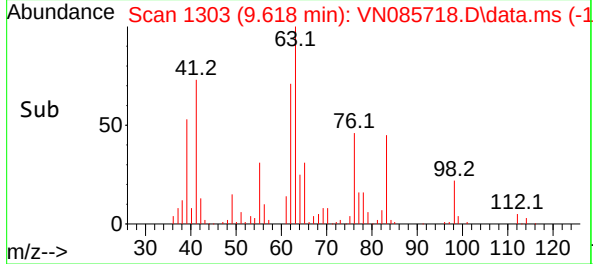
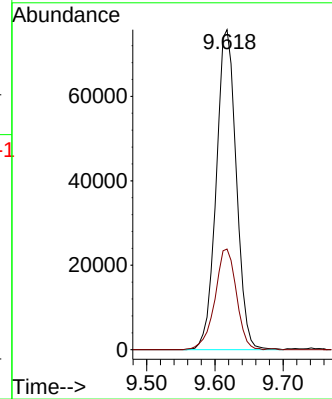
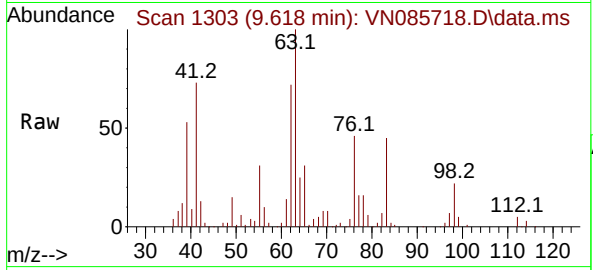
65 31.5 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 50.656 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

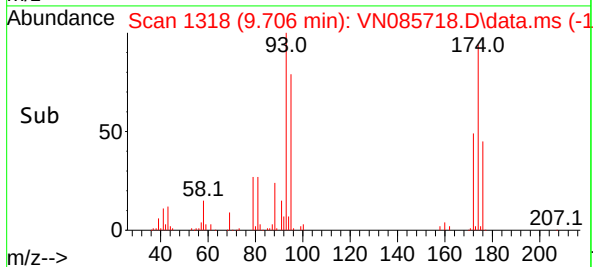
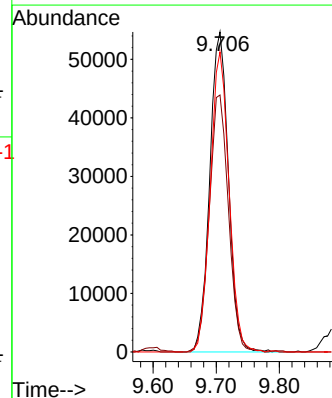
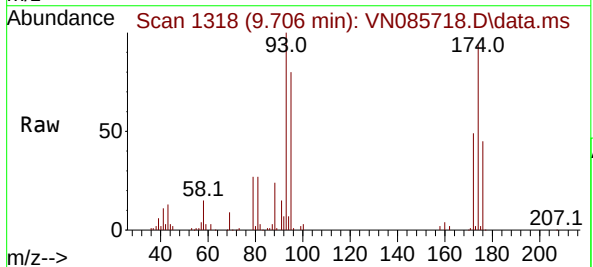
Tgt Ion: 93 Resp: 112504

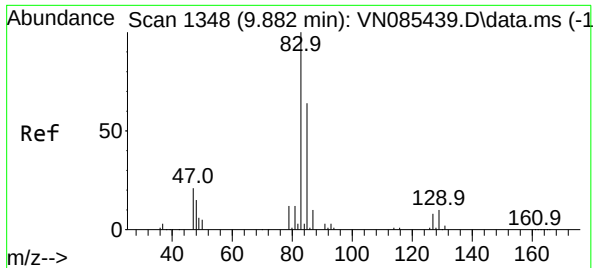
Ion Ratio Lower Upper

93 100

95 82.4 64.7 97.1

174 93.9 69.0 103.4





#47

Bromodichloromethane

Concen: 52.534 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 237704

Ion Ratio Lower Upper

83 100

85 64.7 51.2 76.8

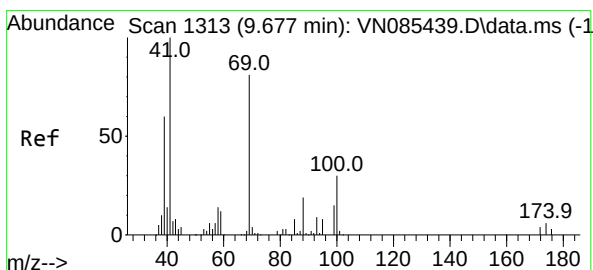
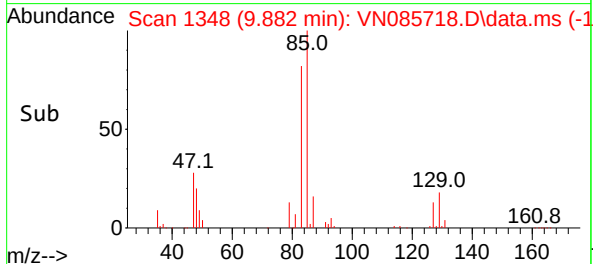
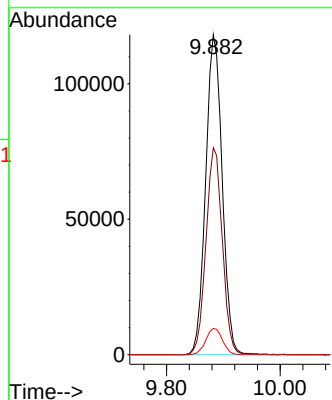
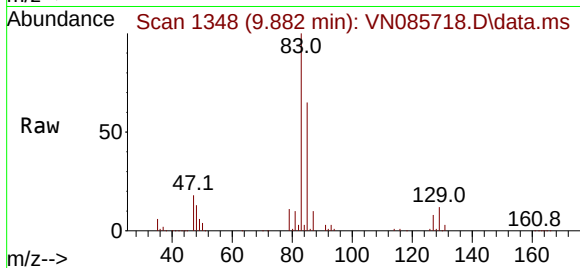
127 8.2 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#48

Methyl methacrylate

Concen: 49.787 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

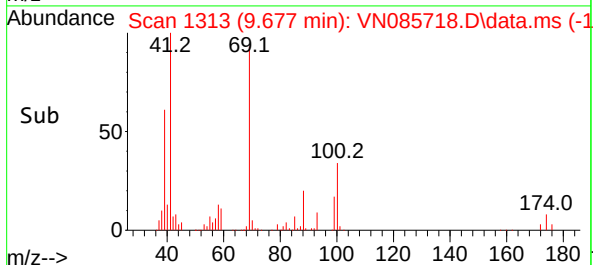
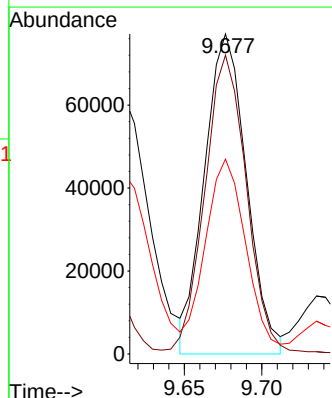
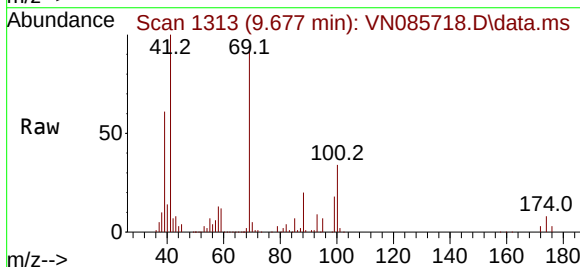
Tgt Ion: 41 Resp: 145329

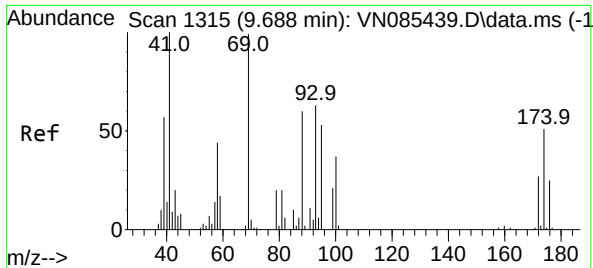
Ion Ratio Lower Upper

41 100

69 93.6 64.7 97.1

39 59.2 49.0 73.6





#49

1,4-Dioxane

Concen: 1100.520 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 5409

Ion Ratio Lower Upper

88 100

43 27.7 26.6 39.8

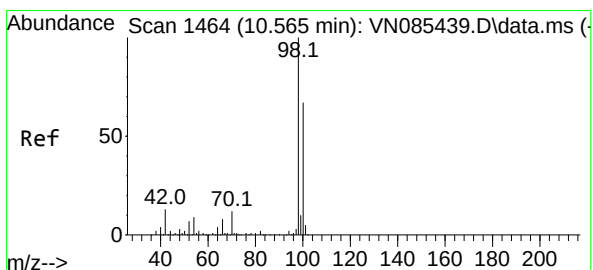
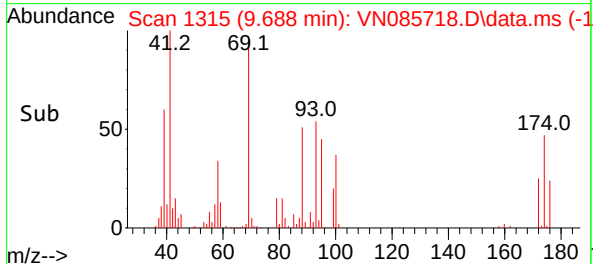
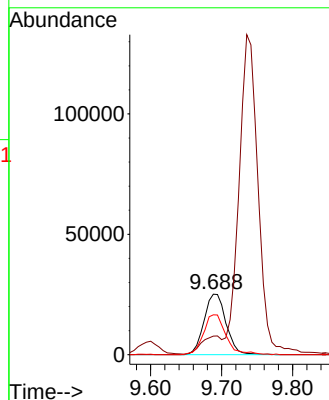
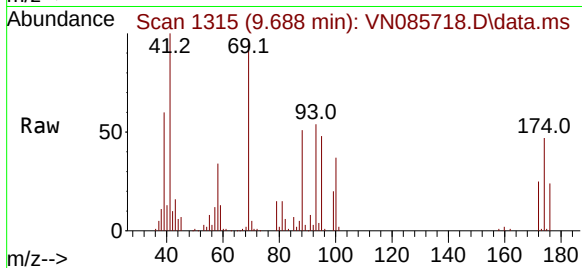
58 67.8 59.5 89.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 45.824 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085718.D

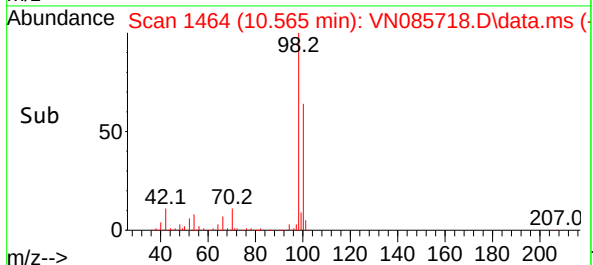
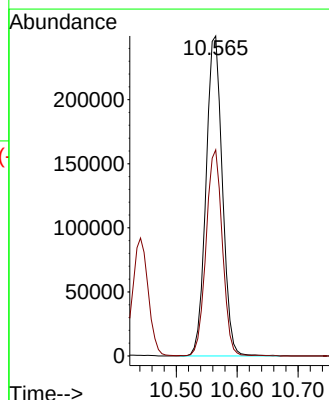
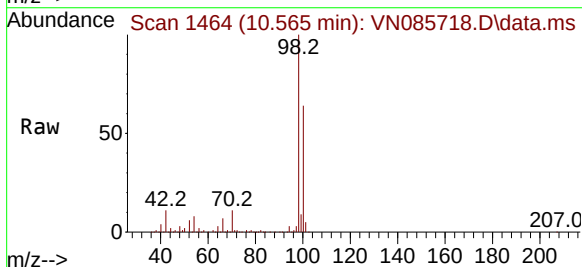
Acq: 10 Feb 2025 12:12

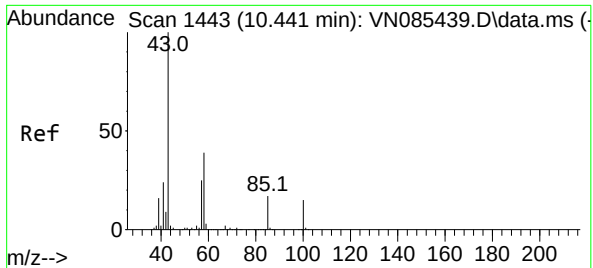
Tgt Ion: 98 Resp: 465243

Ion Ratio Lower Upper

98 100

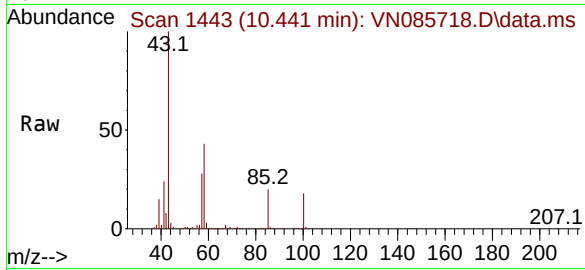
100 63.9 52.2 78.4





#51
4-Methyl-2-Pentanone
Concen: 244.385 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

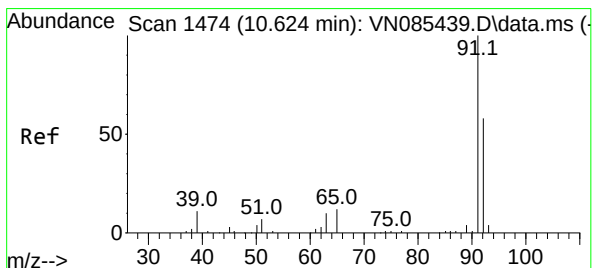
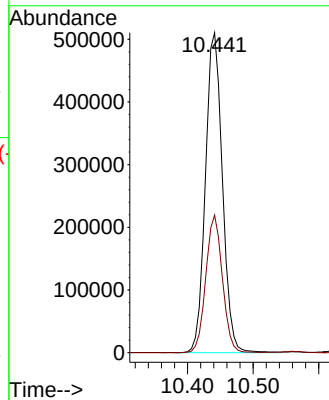
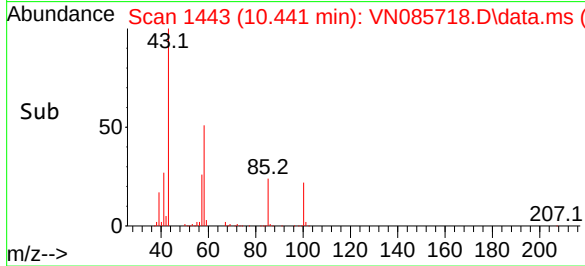
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 919850
Ion Ratio Lower Upper
43 100
58 42.1 30.5 45.7

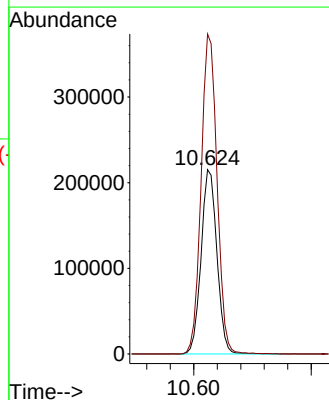
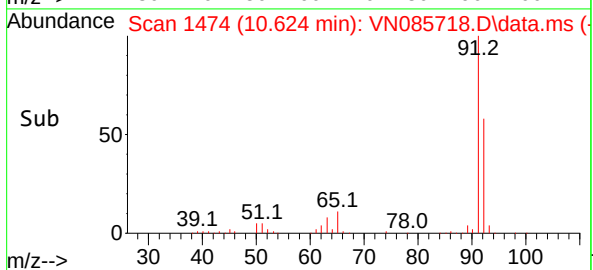
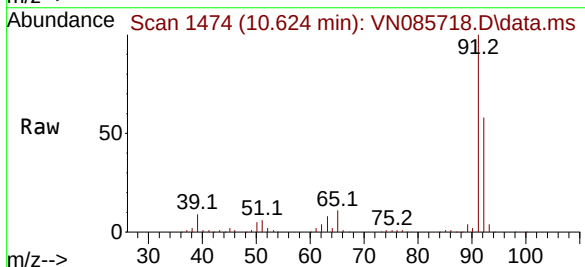
Manual Integrations
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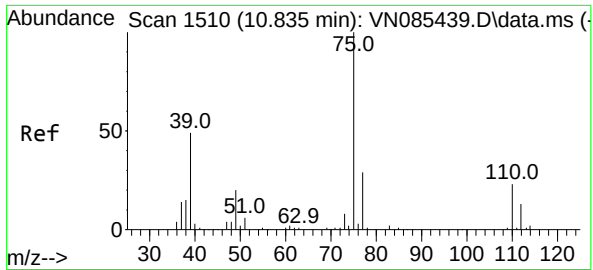
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#52
Toluene
Concen: 57.408 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

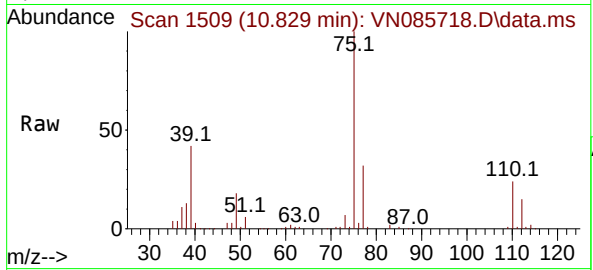
Tgt Ion: 92 Resp: 400834
Ion Ratio Lower Upper
92 100
91 174.9 139.2 208.8





#53
t-1,3-Dichloropropene
Concen: 56.040 ug/l
RT: 10.829 min Scan# 1510
Delta R.T. -0.006 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

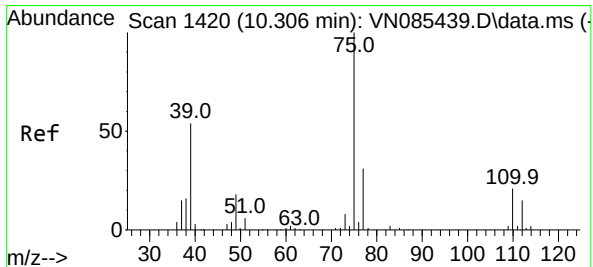
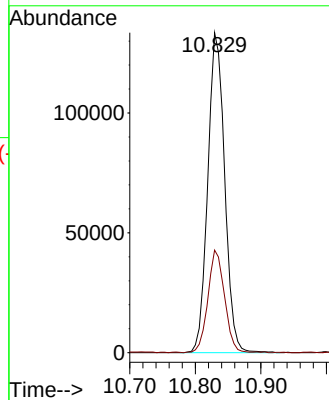
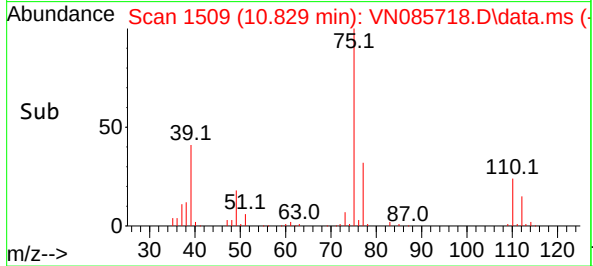
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 239629
Ion Ratio Lower Upper
75 100
77 31.9 23.5 35.3

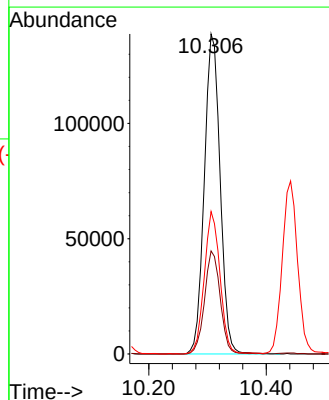
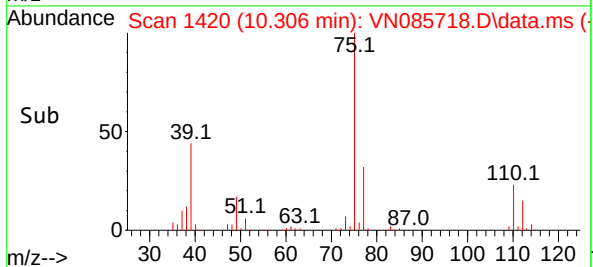
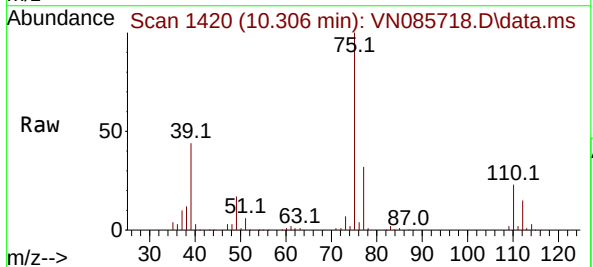
Manual Integrations
APPROVED

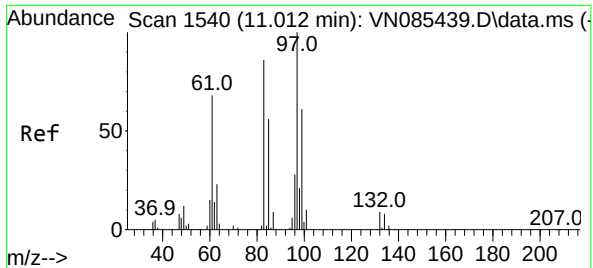
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#54
cis-1,3-Dichloropropene
Concen: 56.825 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

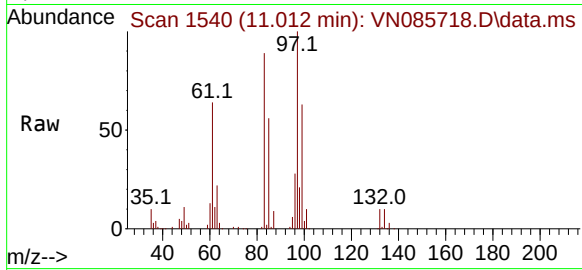
Tgt Ion: 75 Resp: 259548
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.4
39 44.5 43.1 64.7





#55
1,1,2-Trichloroethane
Concen: 53.911 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

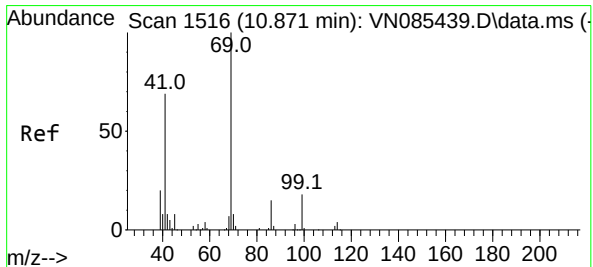
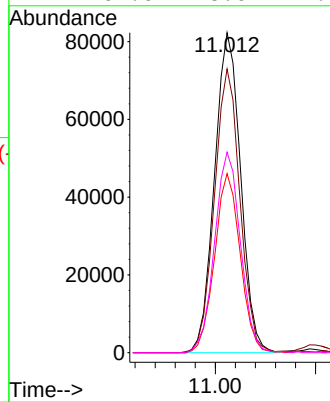
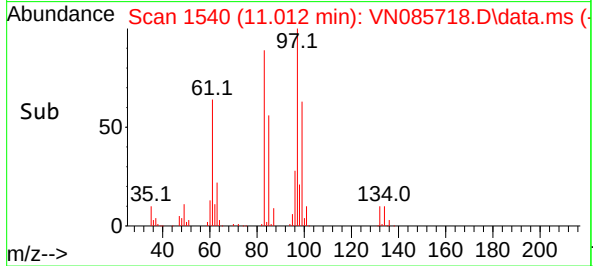
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 97 Resp: 14896
Ion Ratio Lower Upper
97 100
83 88.7 69.0 103.6
85 55.9 44.6 66.8
99 62.6 48.6 72.8

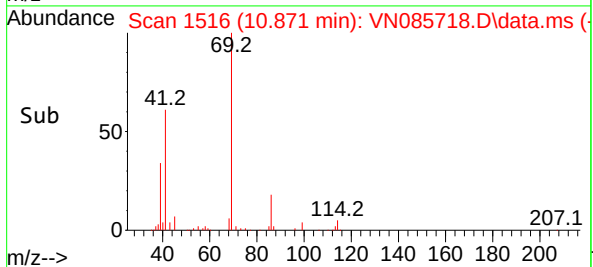
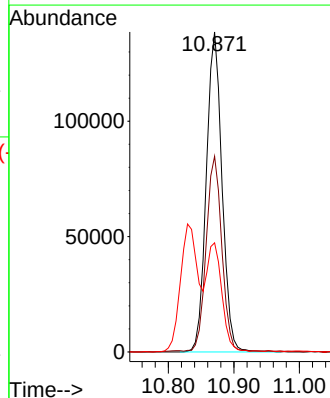
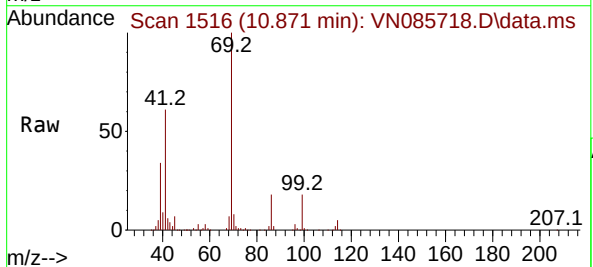
Manual Integrations
APPROVED

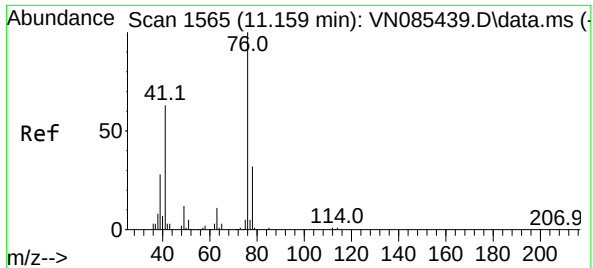
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#56
Ethyl methacrylate
Concen: 49.609 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Tgt Ion: 69 Resp: 230843
Ion Ratio Lower Upper
69 100
41 60.2 54.6 82.0
39 32.3 32.4 48.6





#57

1,3-Dichloropropane

Concen: 53.908 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 259008

Ion Ratio Lower Upper

76 100

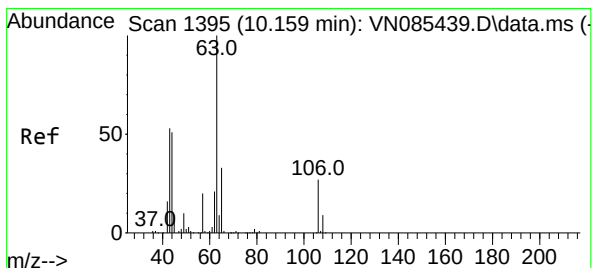
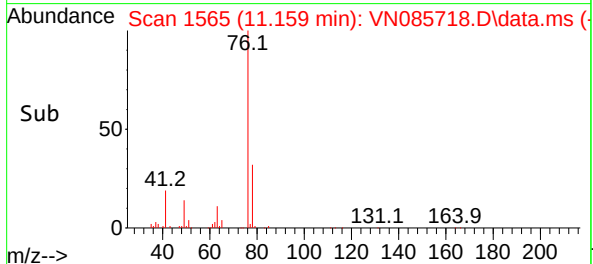
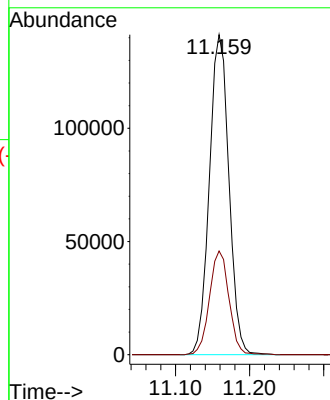
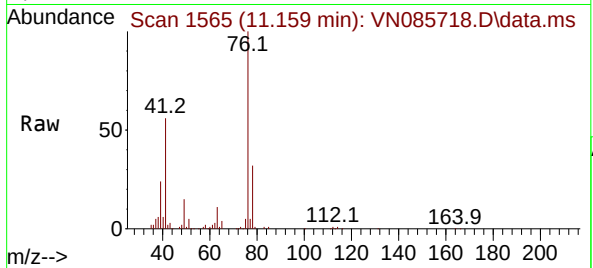
78 32.2 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 308.848 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN085718.D

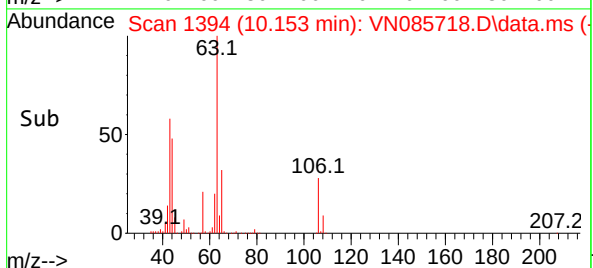
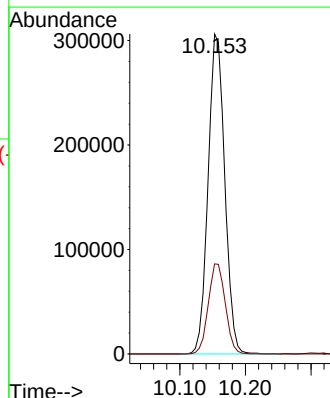
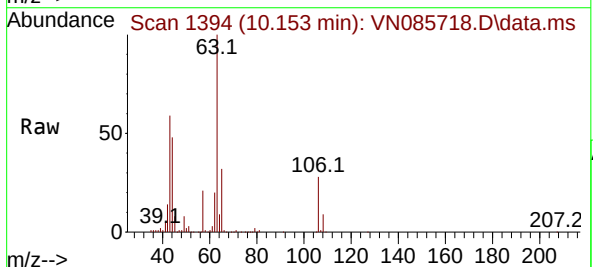
Acq: 10 Feb 2025 12:12

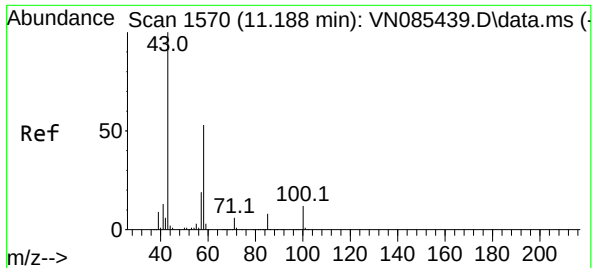
Tgt Ion: 63 Resp: 541567

Ion Ratio Lower Upper

63 100

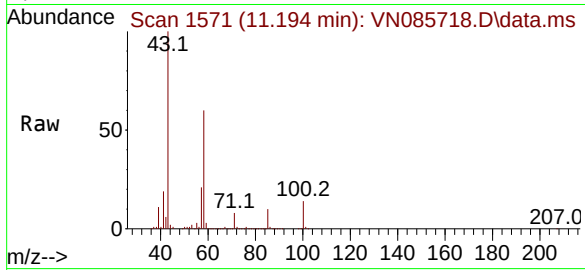
106 28.7 21.6 32.4





#59
2-Hexanone
Concen: 253.089 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

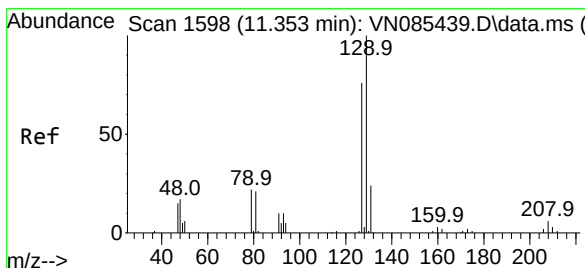
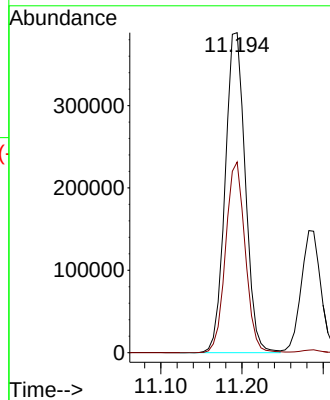
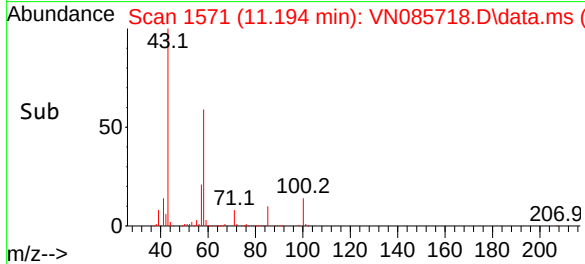
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 67029
Ion Ratio Lower Upper
43 100
58 57.8 26.2 78.6

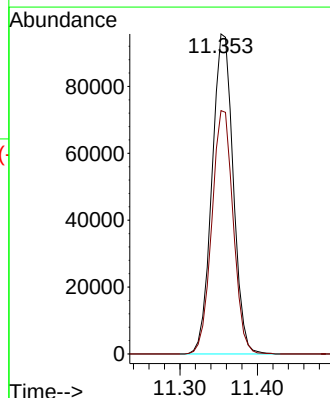
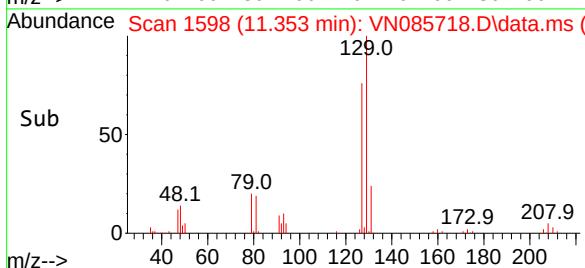
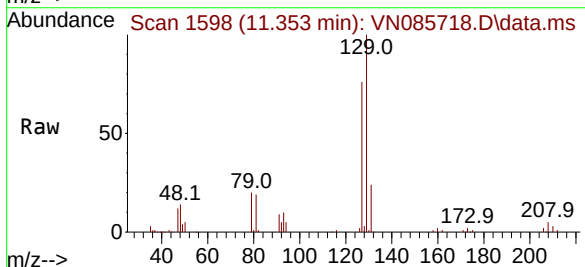
Manual Integrations
APPROVED

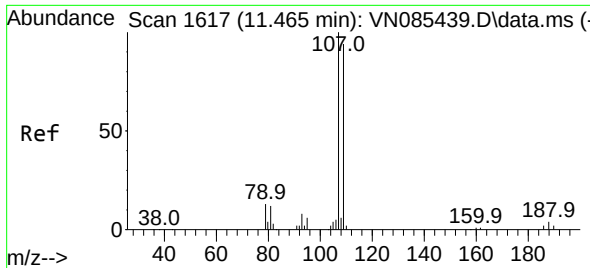
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#60
Dibromochloromethane
Concen: 54.555 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Tgt Ion:129 Resp: 181993
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8





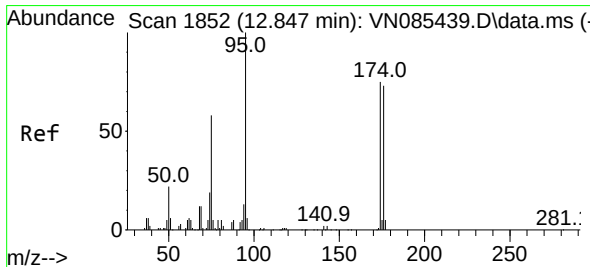
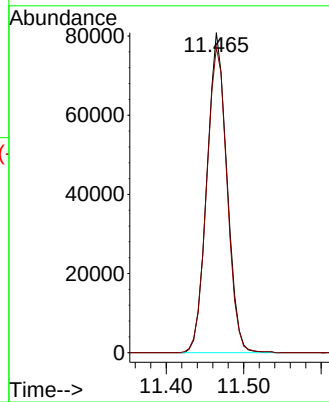
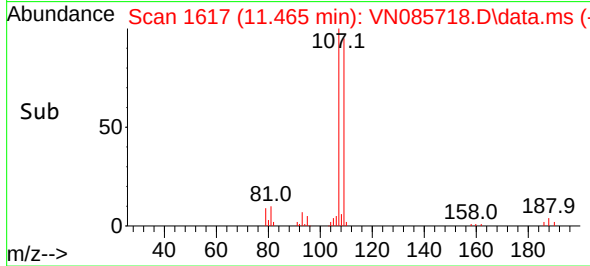
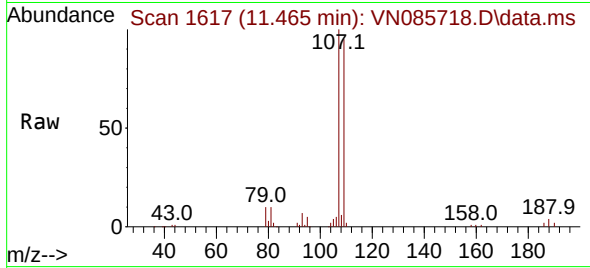
#61
1,2-Dibromoethane
Concen: 52.634 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 144770
Ion Ratio Lower Upper
107 100
109 97.7 75.9 113.9

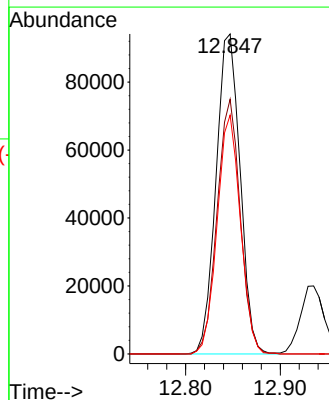
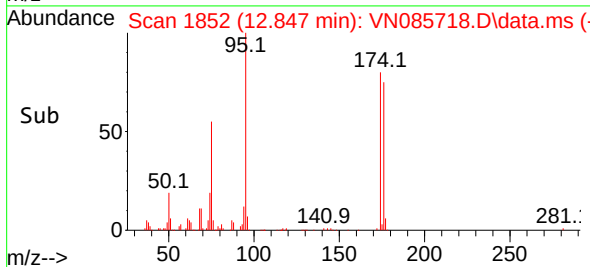
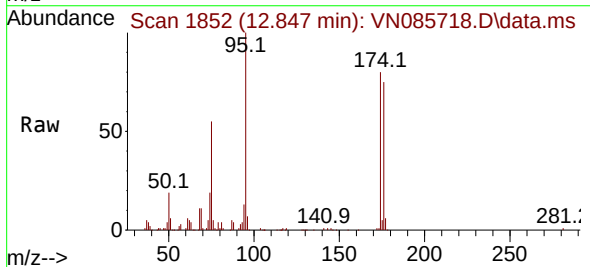
Manual Integrations
APPROVED

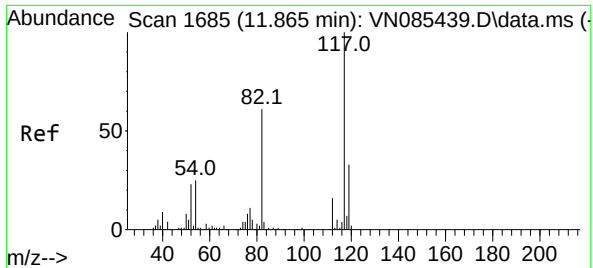
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#62
4-Bromofluorobenzene
Concen: 47.930 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

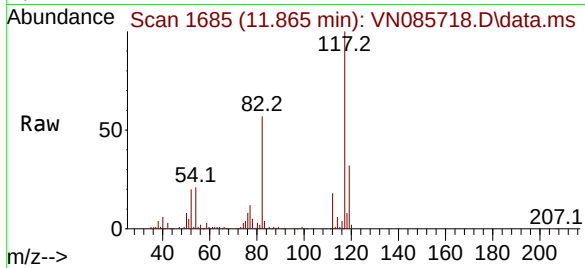
Tgt Ion: 95 Resp: 166462
Ion Ratio Lower Upper
95 100
174 76.4 0.0 145.0
176 72.1 0.0 142.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

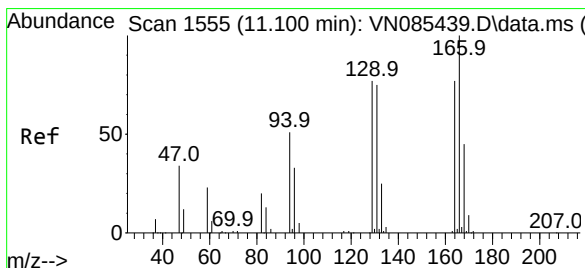
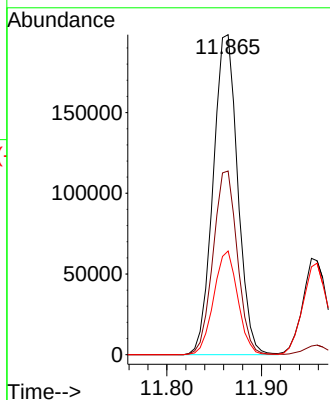
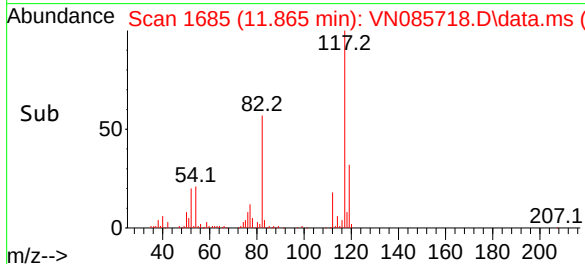
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 357680
Ion Ratio Lower Upper
117 100
82 57.4 48.6 72.8
119 32.4 26.6 39.8

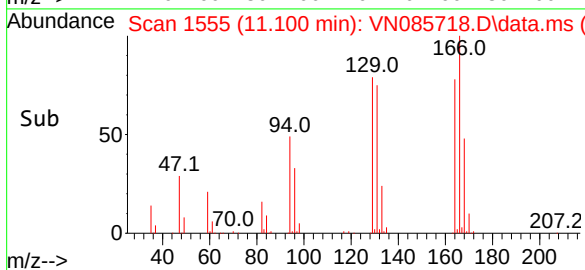
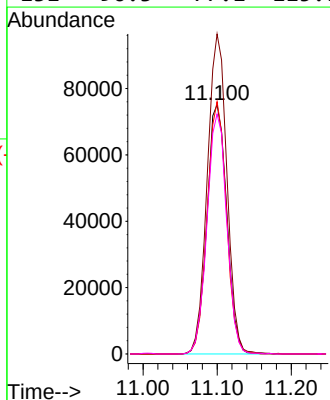
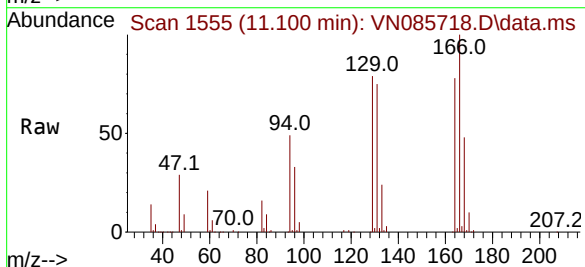
Manual Integrations
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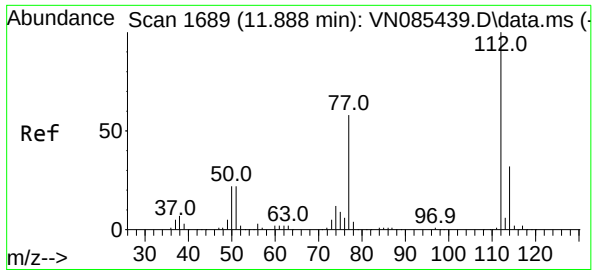
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#64
Tetrachloroethene
Concen: 57.525 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

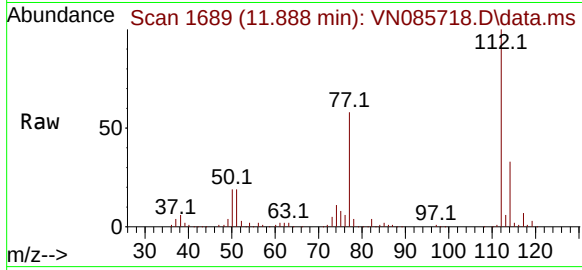
Tgt Ion:164 Resp: 140272
Ion Ratio Lower Upper
164 100
166 128.3 103.4 155.2
129 101.2 79.2 118.8
131 96.3 77.1 115.7





#65
Chlorobenzene
Concen: 55.205 ug/l
RT: 11.888 min Scan# 112
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

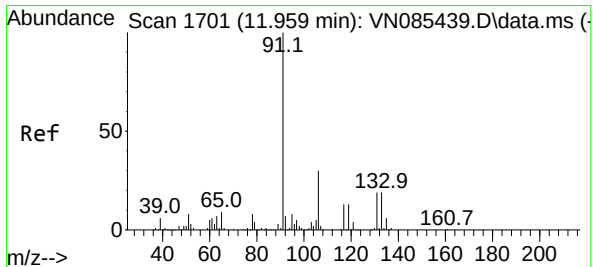
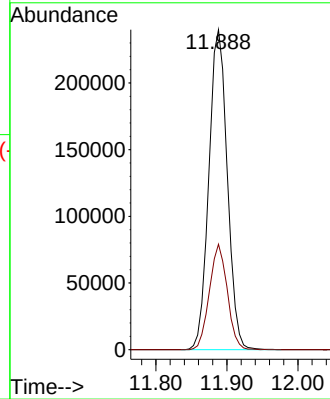
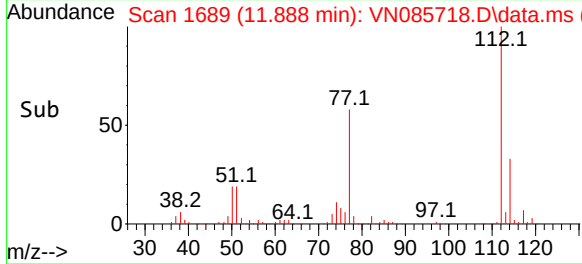
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



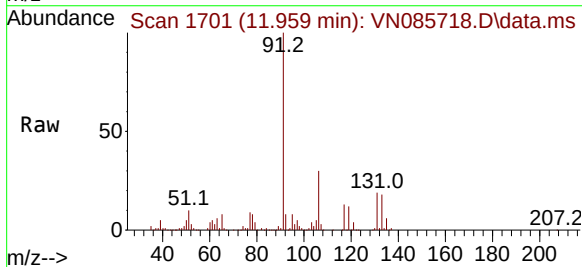
Tgt Ion:112 Resp: 432562
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9

Manual Integrations
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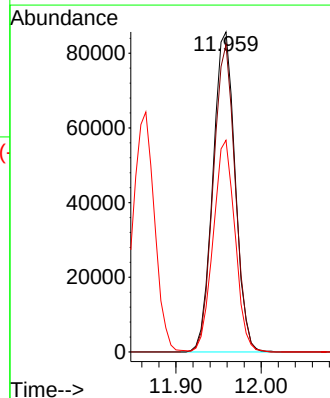
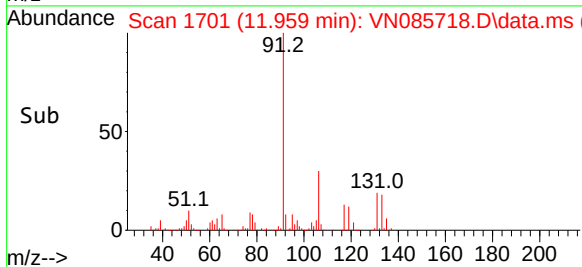
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

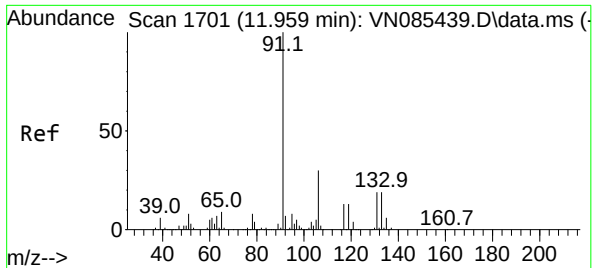


#66
1,1,1,2-Tetrachloroethane
Concen: 53.873 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12



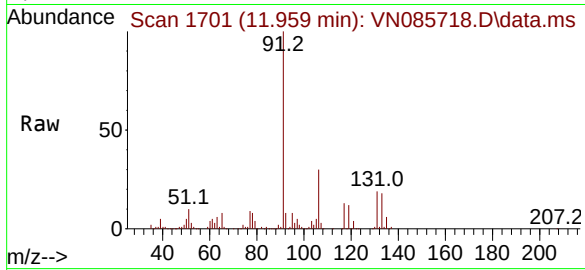
Tgt Ion:131 Resp: 154927
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.3
119 65.2 33.1 99.5





#67
Ethyl Benzene
Concen: 58.984 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

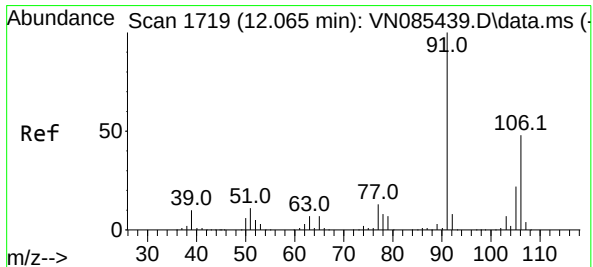
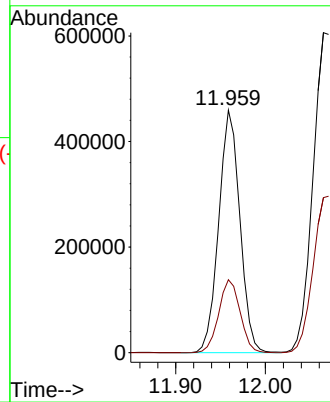
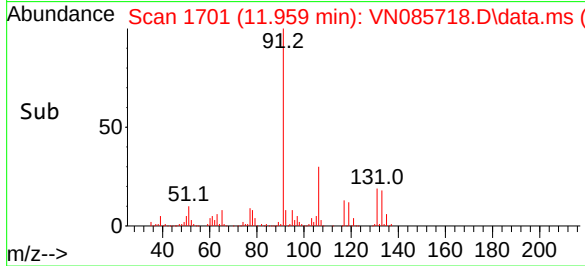
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 91 Resp: 752758
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8

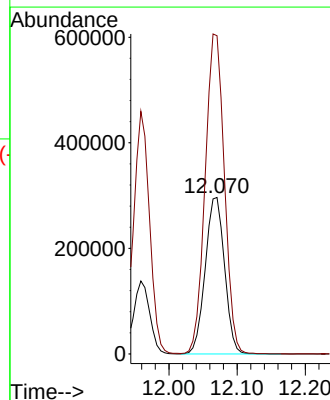
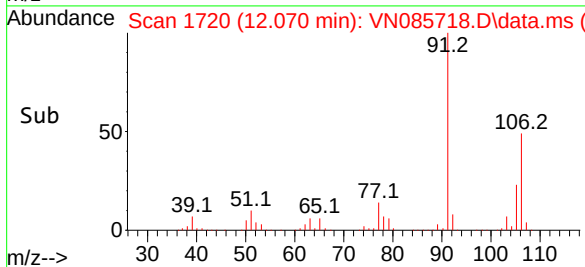
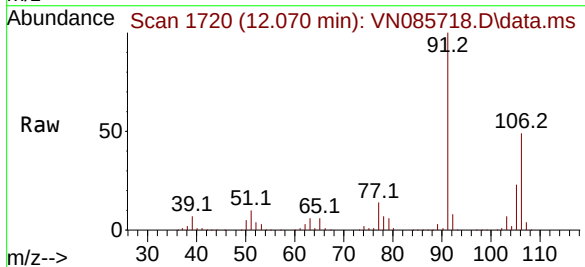
Manual Integrations
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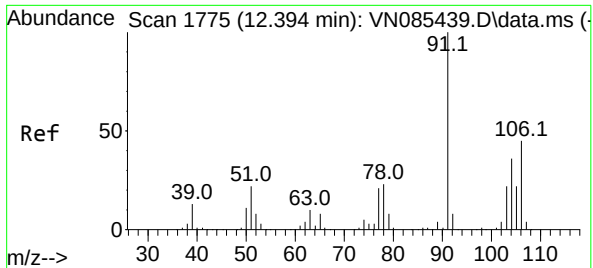
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#68
m/p-Xylenes
Concen: 123.696 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Tgt Ion:106 Resp: 583434
Ion Ratio Lower Upper
106 100
91 203.7 167.7 251.5





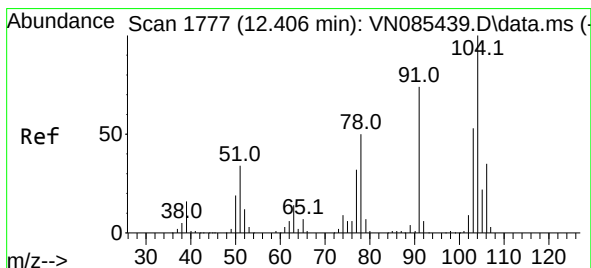
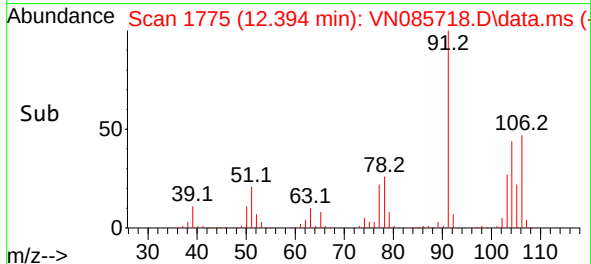
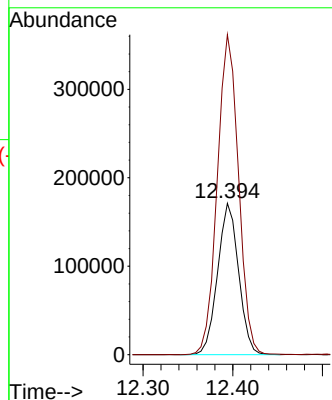
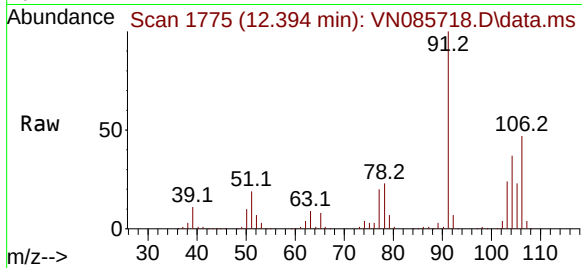
#69
o-Xylene
Concen: 61.619 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 277750
Ion Ratio Lower Upper
106 100
91 214.2 110.4 331.2

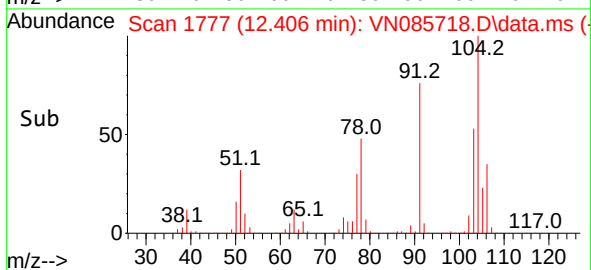
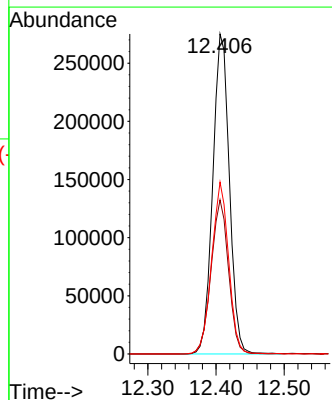
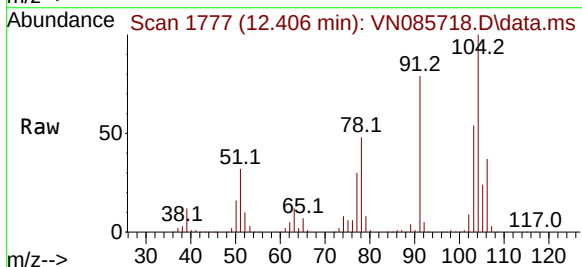
Manual Integrations
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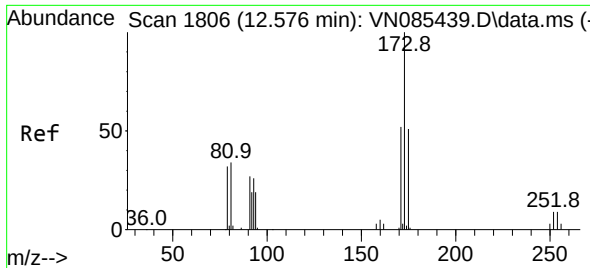
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#70
Styrene
Concen: 62.646 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

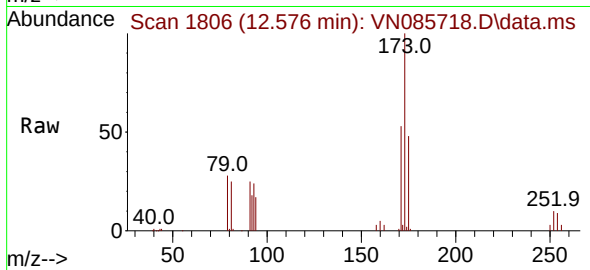
Tgt Ion:104 Resp: 467336
Ion Ratio Lower Upper
104 100
78 50.4 42.5 63.7
103 55.0 43.8 65.8





#71
Bromoform
Concen: 57.864 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

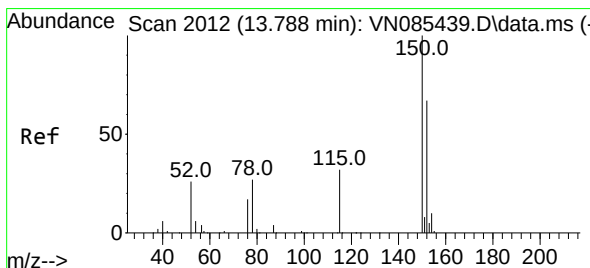
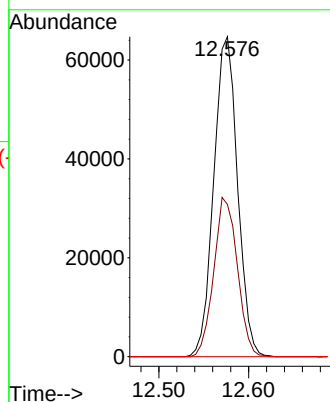
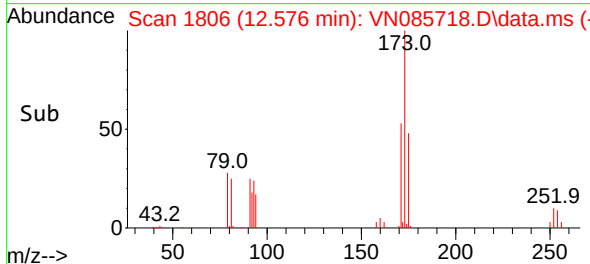
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:173 Resp: 11906
Ion Ratio Lower Upper
173 100
175 49.3 24.4 73.2
254 0.0 0.0 0.0

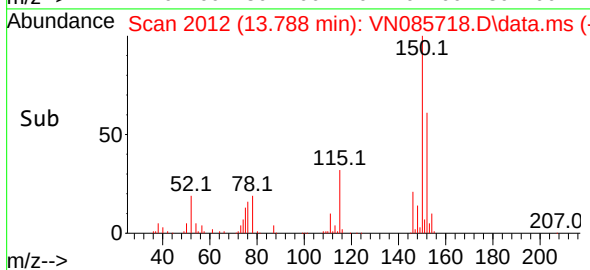
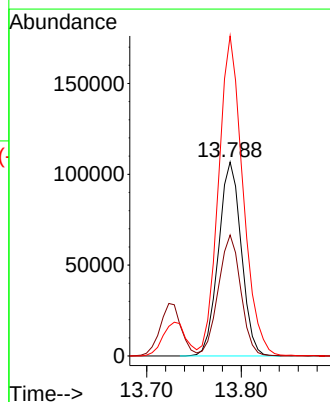
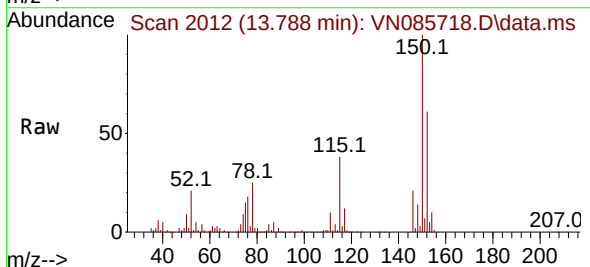
Manual Integrations
APPROVED

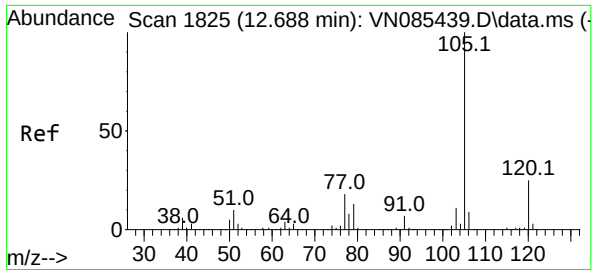
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

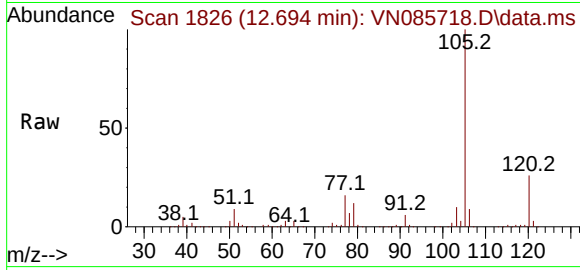
Tgt Ion:152 Resp: 178725
Ion Ratio Lower Upper
152 100
115 61.6 31.1 93.3
150 176.9 0.0 343.6





#73
Isopropylbenzene
Concen: 56.926 ug/l
RT: 12.694 min Scan# 1825
Delta R.T. 0.006 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

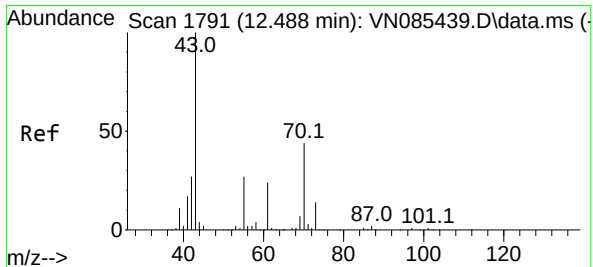
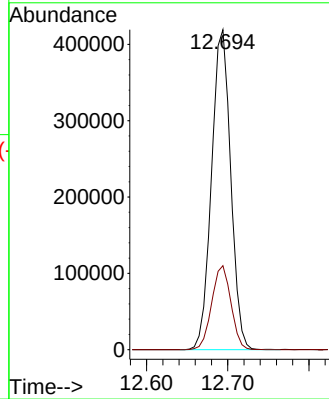
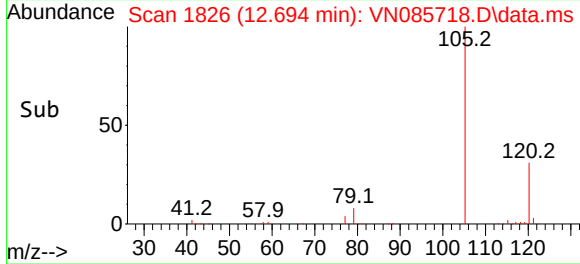
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:105 Resp: 686662
Ion Ratio Lower Upper
105 100
120 26.3 12.8 38.3

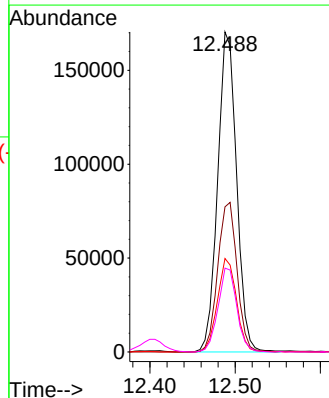
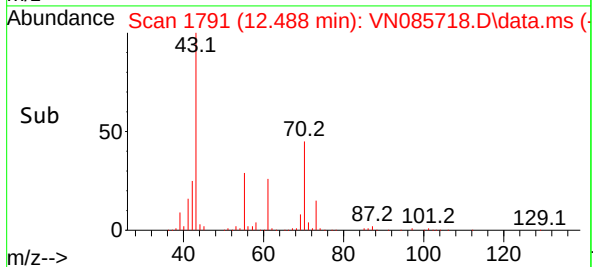
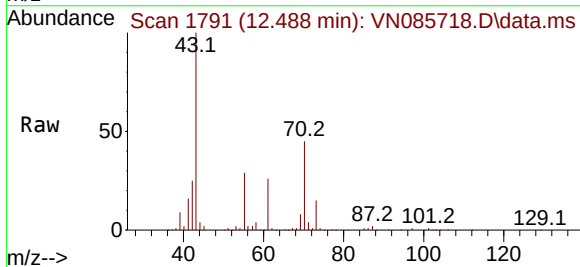
Manual Integrations
APPROVED

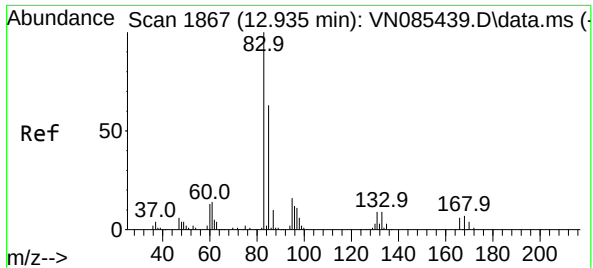
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 48.499 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

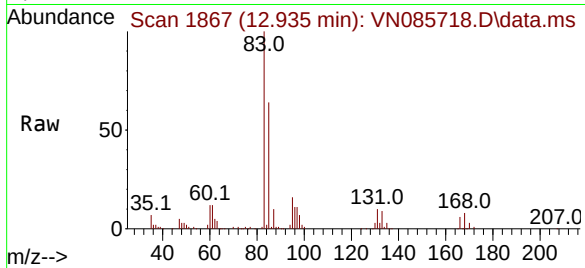
Tgt Ion: 43 Resp: 262954
Ion Ratio Lower Upper
43 100
70 47.8 34.0 51.0
55 29.4 21.4 32.2
61 26.0 19.0 28.4





#75
1,1,2,2-Tetrachloroethane
Concen: 49.885 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

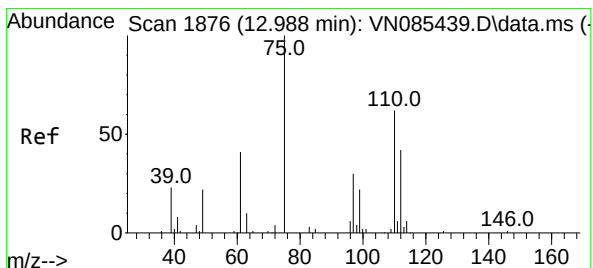
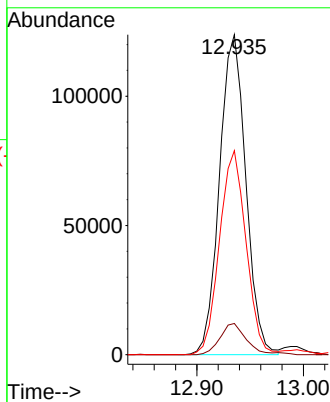
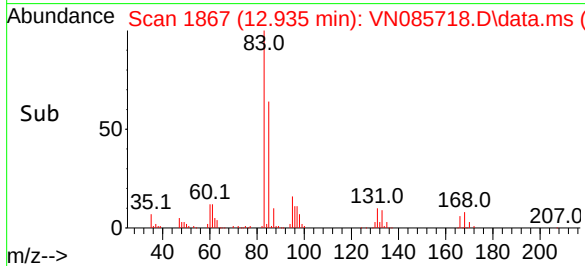
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 83 Resp: 212558
Ion Ratio Lower Upper
83 100
131 9.9 4.8 14.4
85 64.3 32.2 96.6

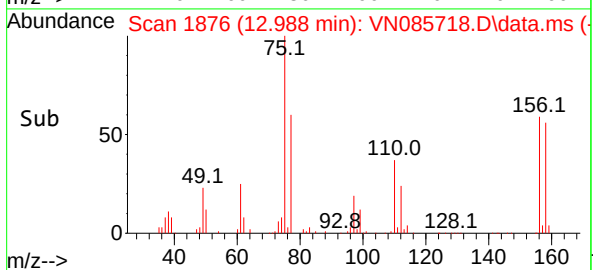
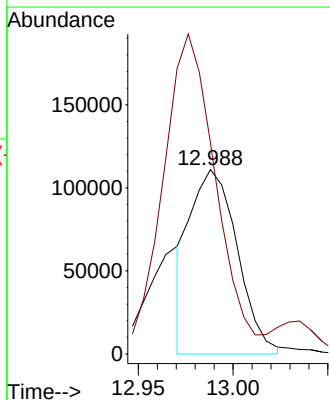
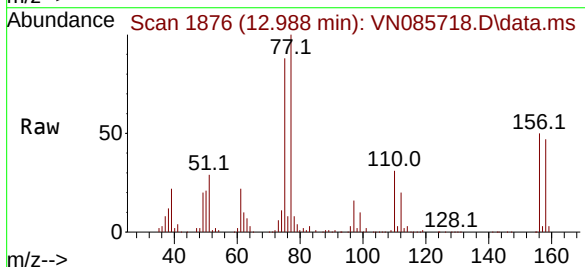
Manual Integrations
APPROVED

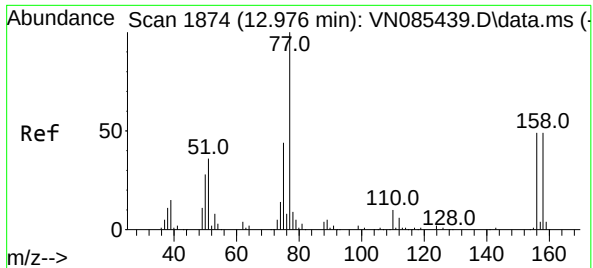
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#76
1,2,3-Trichloropropane
Concen: 53.011 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

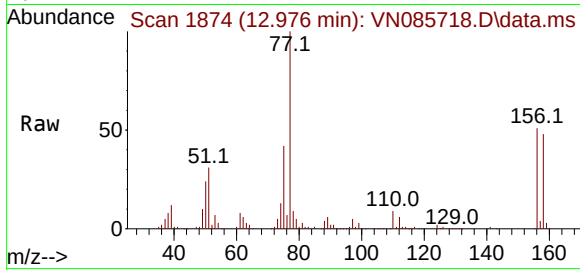
Tgt Ion: 75 Resp: 192569
Ion Ratio Lower Upper
75 100
77 195.6 109.7 329.2





#77
Bromobenzene
Concen: 54.464 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

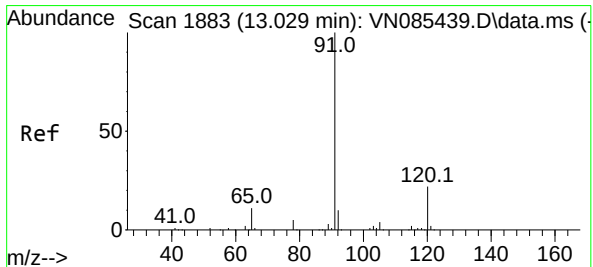
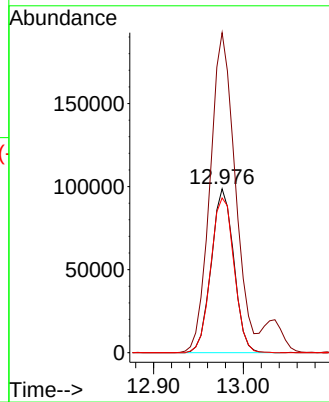
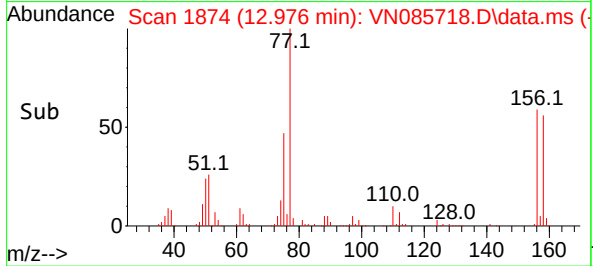
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:156 Resp: 17164
Ion Ratio Lower Upper
156 100
77 219.4 114.1 342.4
158 98.1 48.9 146.8

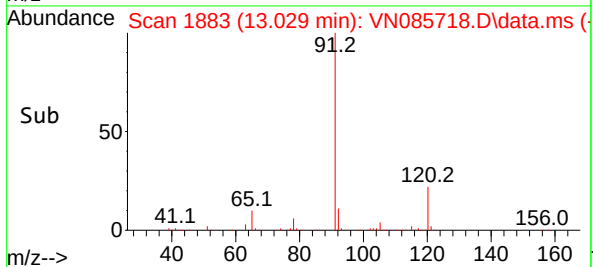
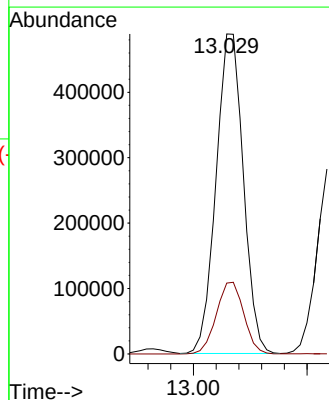
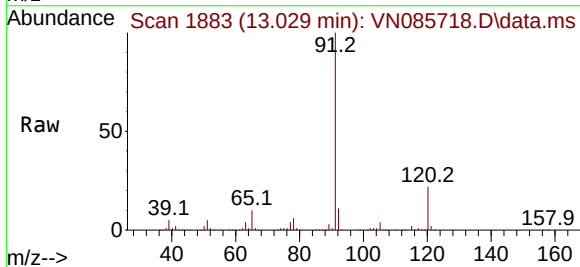
Manual Integrations
APPROVED

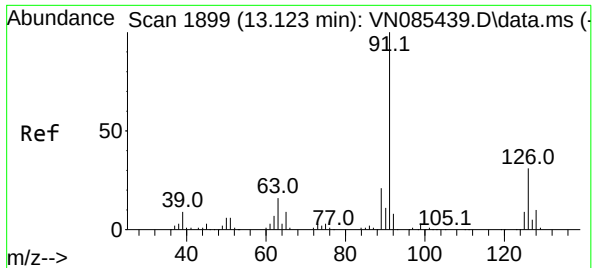
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#78
n-propylbenzene
Concen: 57.018 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

Tgt Ion: 91 Resp: 814210
Ion Ratio Lower Upper
91 100
120 22.6 10.9 32.6





#79

2-Chlorotoluene

Concen: 54.618 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 504774

Ion Ratio Lower Upper

91 100

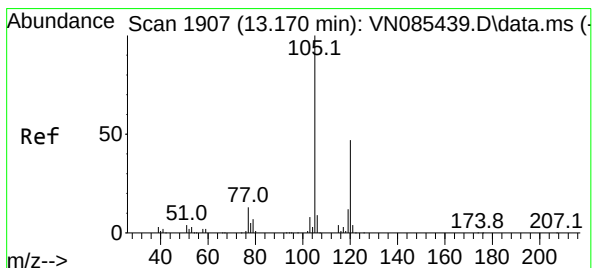
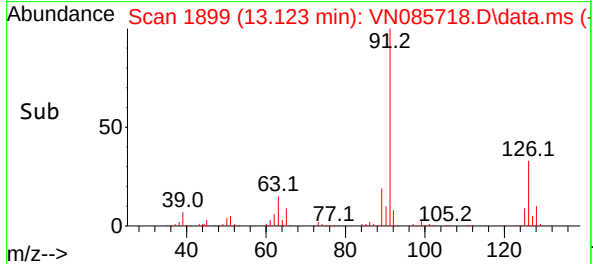
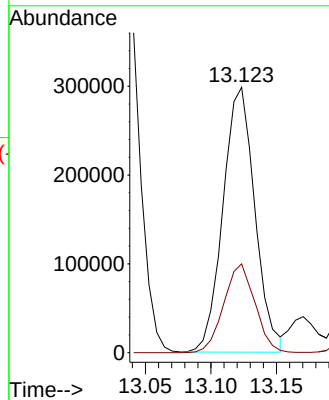
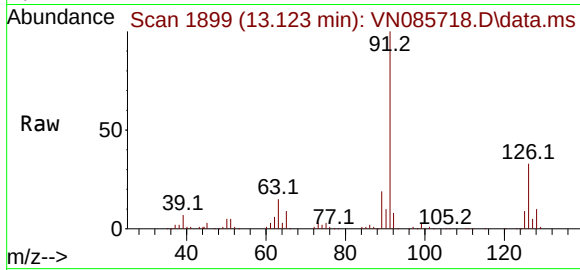
126 32.8 15.7 47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#80

1,3,5-Trimethylbenzene

Concen: 58.769 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085718.D

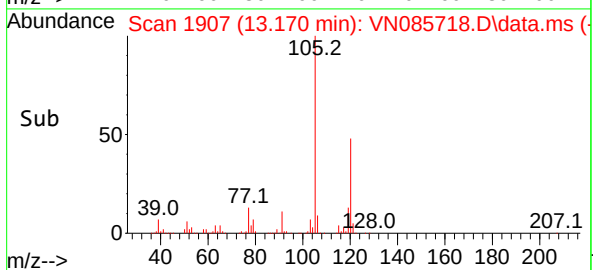
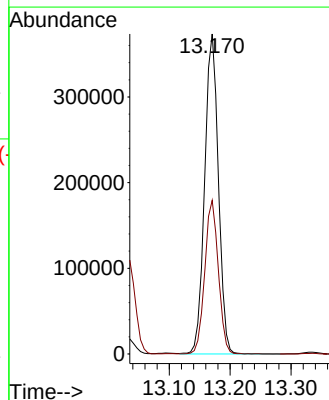
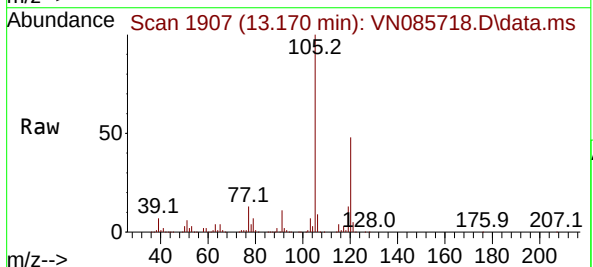
Acq: 10 Feb 2025 12:12

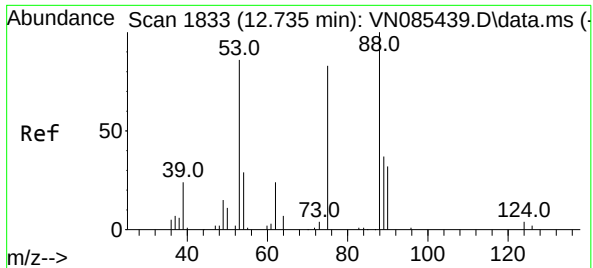
Tgt Ion:105 Resp: 585555

Ion Ratio Lower Upper

105 100

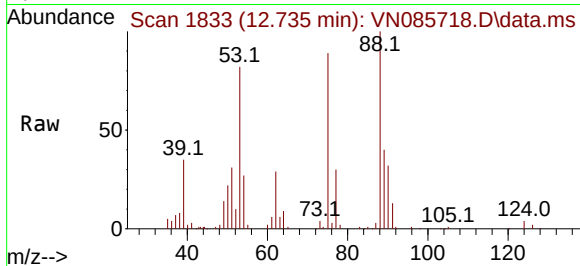
120 47.4 23.9 71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 56.947 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

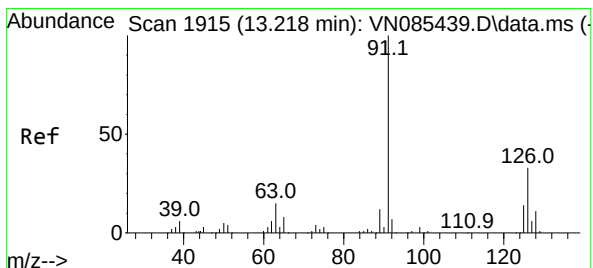
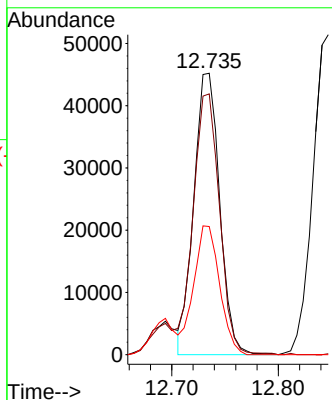
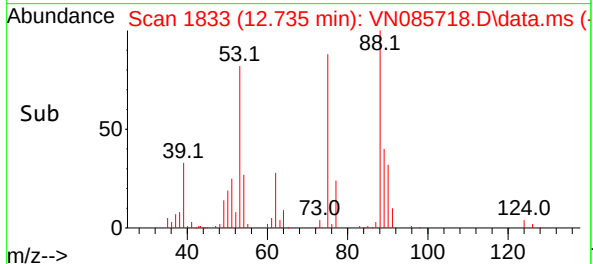
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 76460
Ion Ratio Lower Upper
75 100
53 104.8 95.6 143.4
89 46.0 37.0 55.6

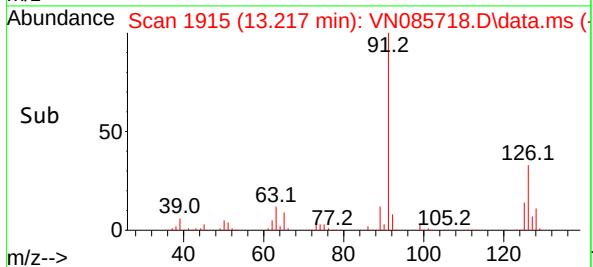
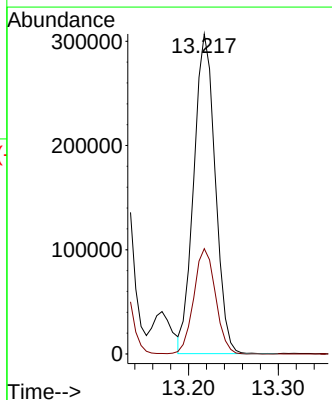
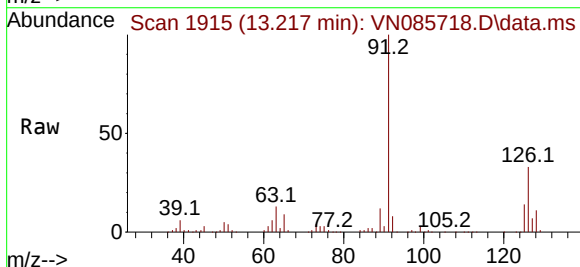
Manual Integrations
APPROVED

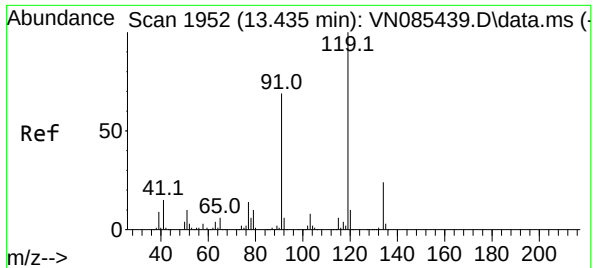
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#82
4-Chlorotoluene
Concen: 55.232 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

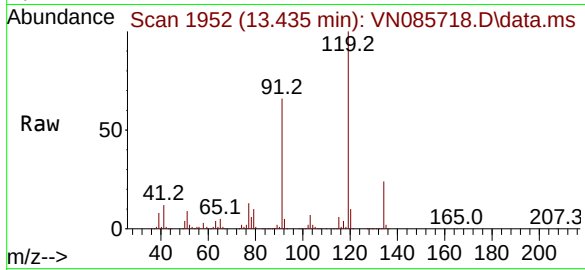
Tgt Ion: 91 Resp: 508244
Ion Ratio Lower Upper
91 100
126 33.4 15.9 47.7





#83
tert-Butylbenzene
Concen: 56.953 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

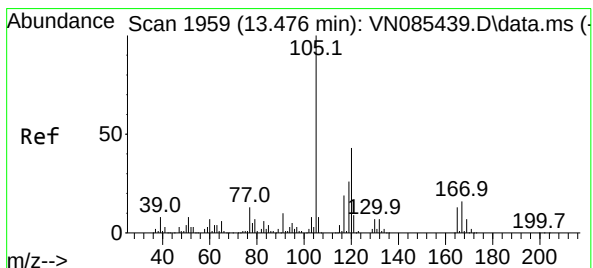
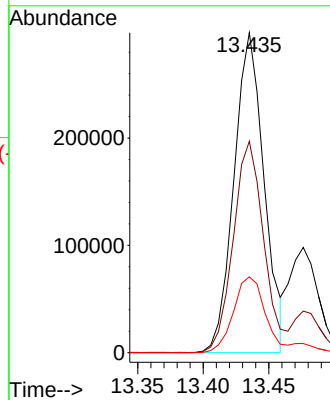
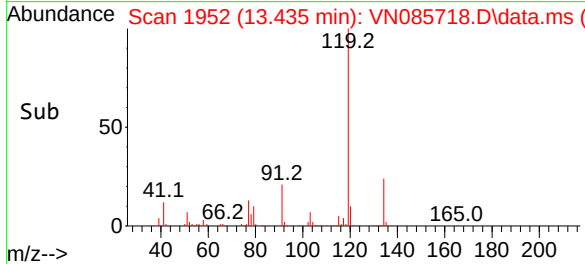
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:119 Resp: 476539
Ion Ratio Lower Upper
119 100
91 67.2 35.1 105.3
134 25.0 12.0 36.1

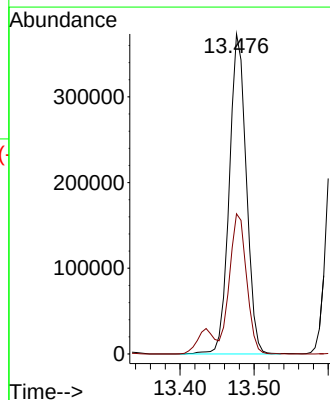
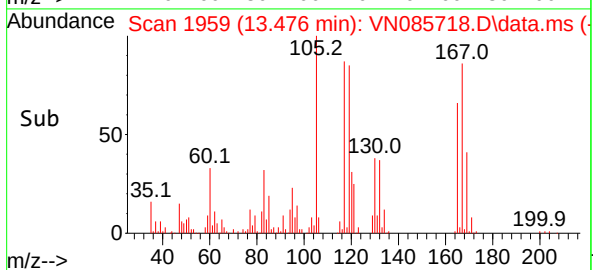
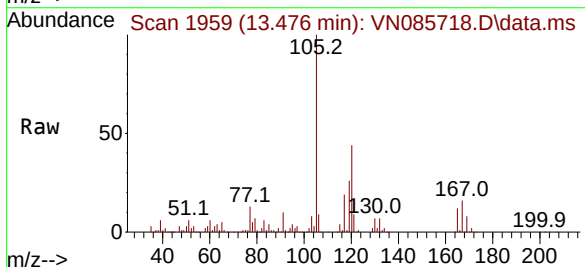
Manual Integrations
APPROVED

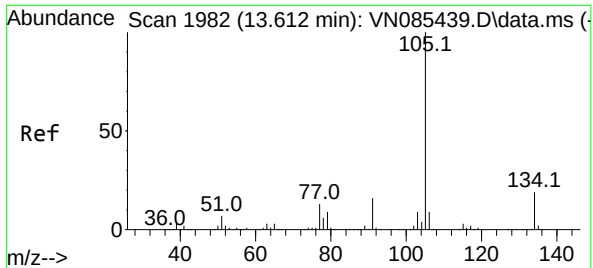
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#84
1,2,4-Trimethylbenzene
Concen: 59.810 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

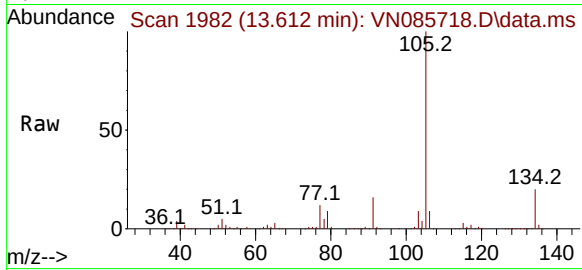
Tgt Ion:105 Resp: 593942
Ion Ratio Lower Upper
105 100
120 43.6 21.6 65.0





#85
 sec-Butylbenzene
 Concen: 58.074 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN085718.D
 Acq: 10 Feb 2025 12:12

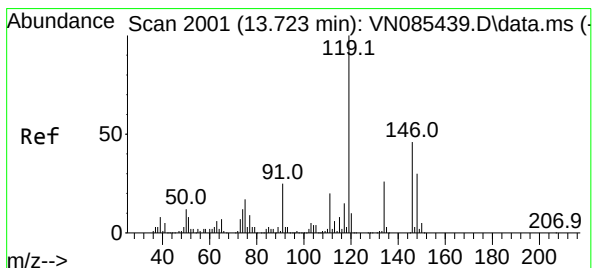
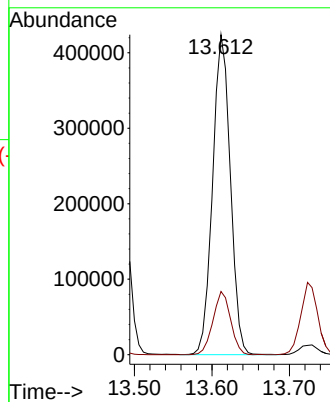
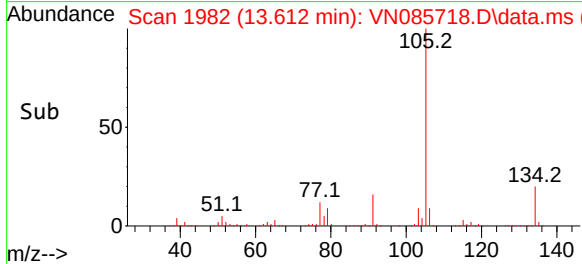
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



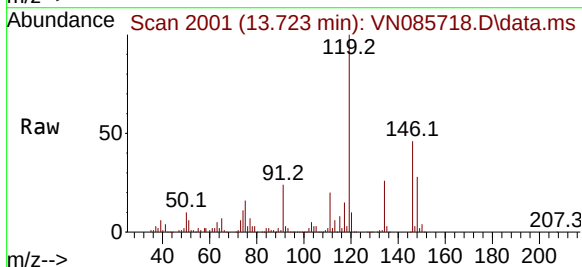
Tgt Ion:105 Resp: 673470
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.7 28.9

Manual Integrations
 APPROVED

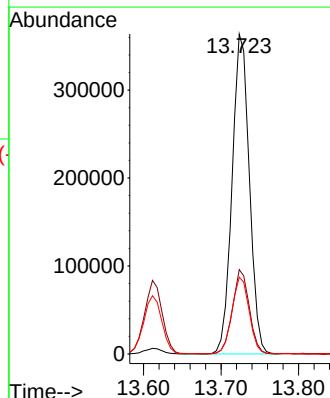
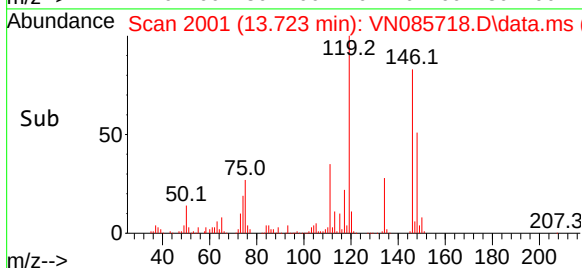
Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

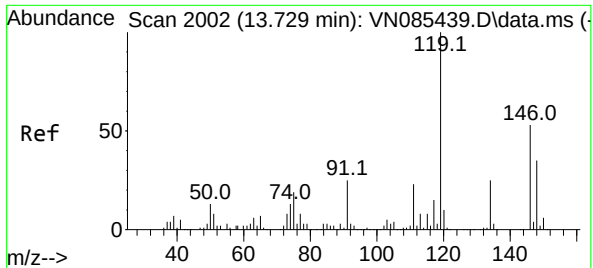


#86
 p-Isopropyltoluene
 Concen: 53.564 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN085718.D
 Acq: 10 Feb 2025 12:12



Tgt Ion:119 Resp: 564266
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.7 38.0
 91 23.9 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 54.836 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 318250

Ion Ratio Lower Upper

146 100

111 41.2 21.4 64.3

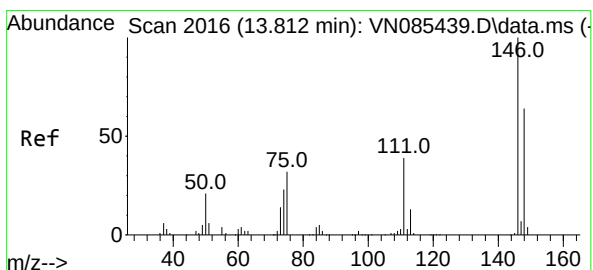
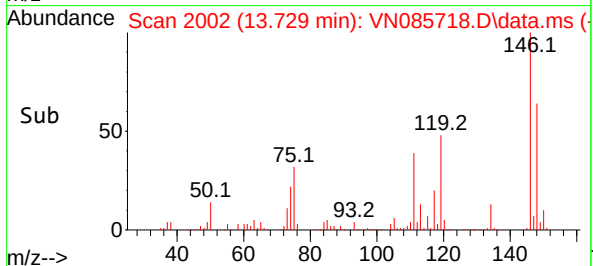
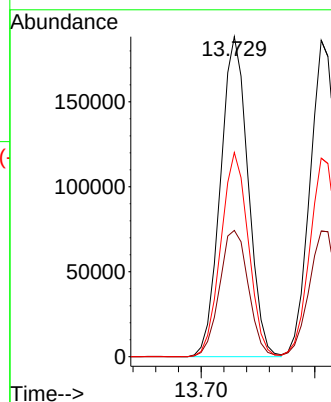
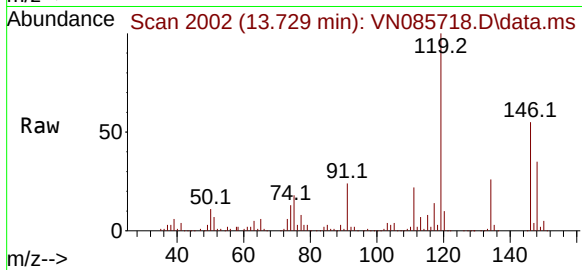
148 63.5 32.3 96.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 52.102 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

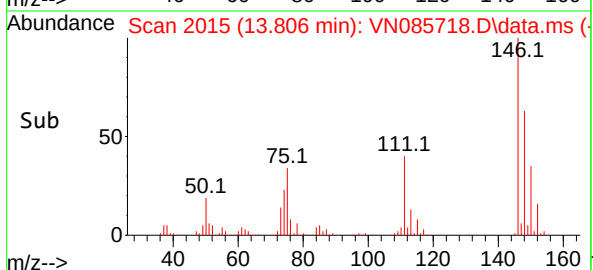
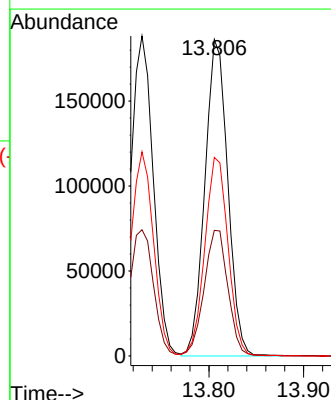
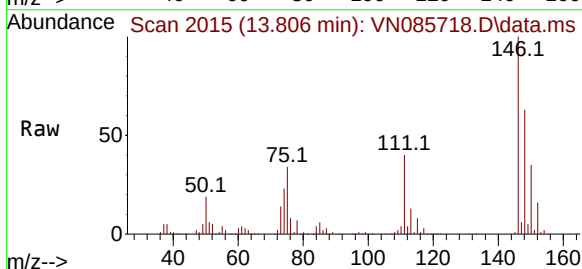
Tgt Ion:146 Resp: 313432

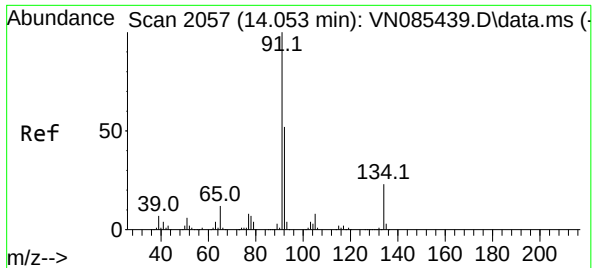
Ion Ratio Lower Upper

146 100

111 40.8 21.3 63.7

148 63.8 32.4 97.0





#89

n-Butylbenzene

Concen: 56.437 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 46952

Ion Ratio Lower Upper

91 100

92 51.5 25.8 77.3

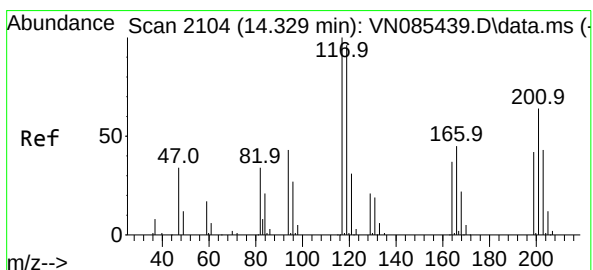
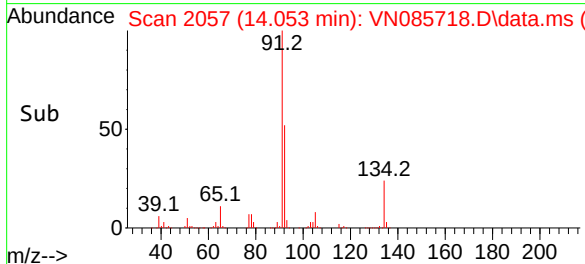
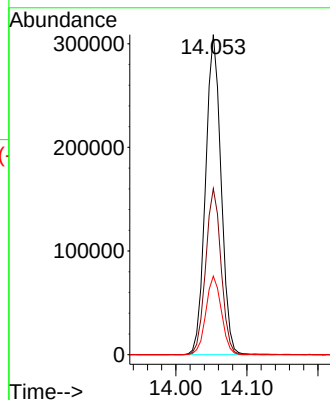
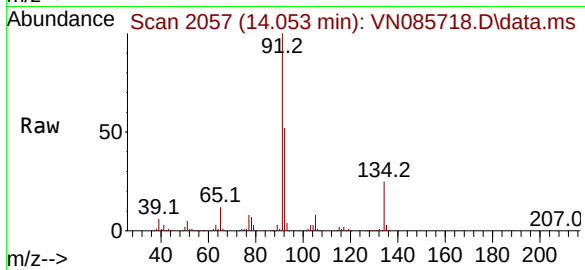
134 24.5 11.7 35.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 50.537 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.000 min

Lab File: VN085718.D

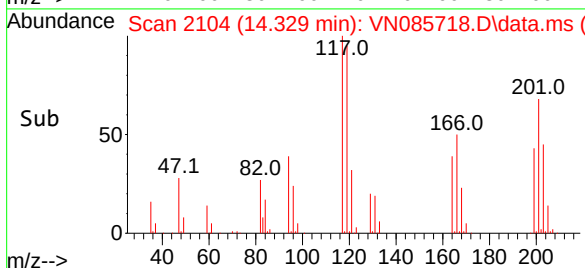
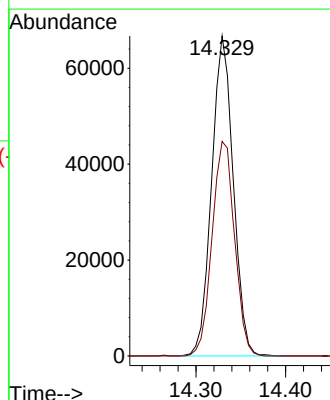
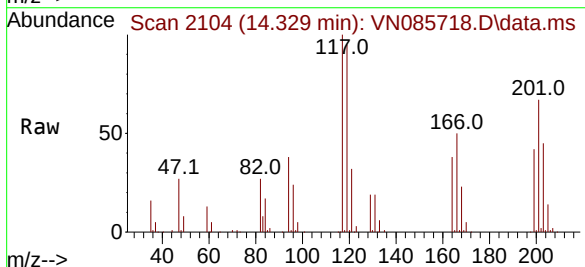
Acq: 10 Feb 2025 12:12

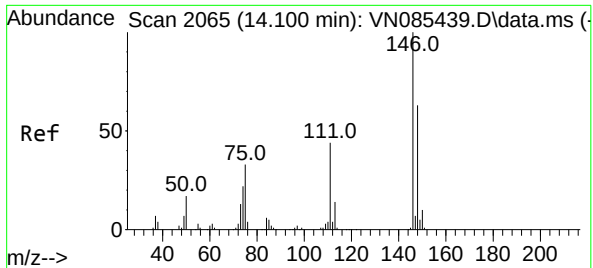
Tgt Ion:117 Resp: 111568

Ion Ratio Lower Upper

117 100

201 69.8 33.7 101.0





#91

1,2-Dichlorobenzene

Concen: 52.904 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 306268

Ion Ratio Lower Upper

146 100

111 43.0 21.7 65.1

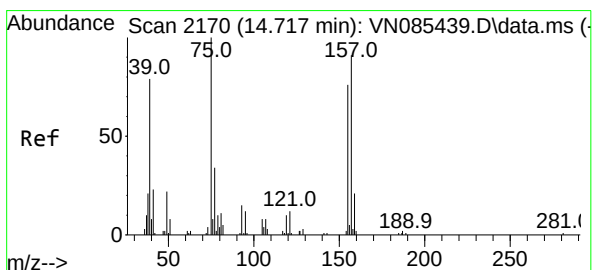
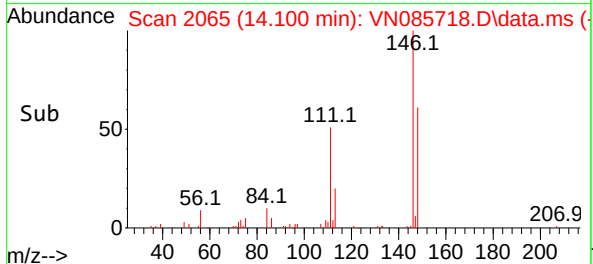
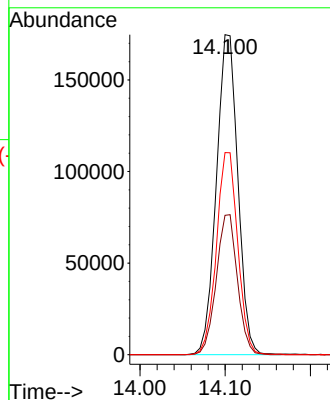
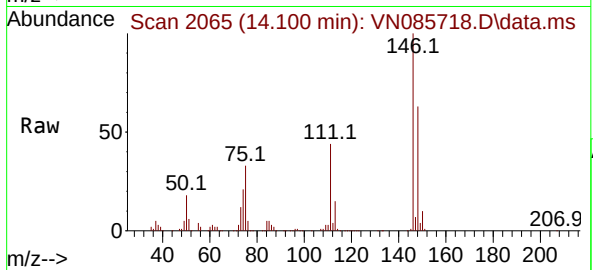
148 62.8 31.4 94.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.239 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN085718.D

Acq: 10 Feb 2025 12:12

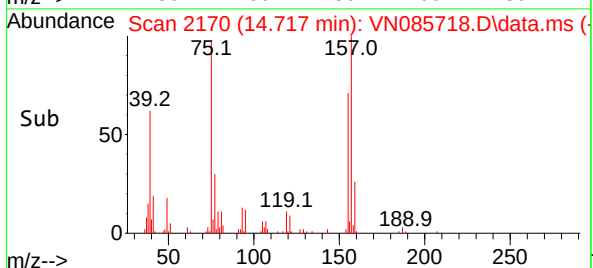
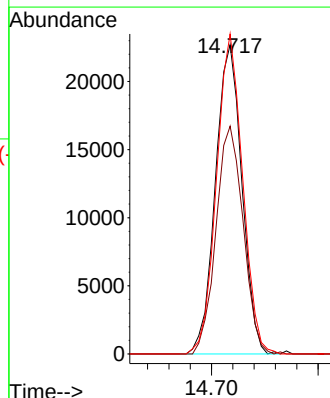
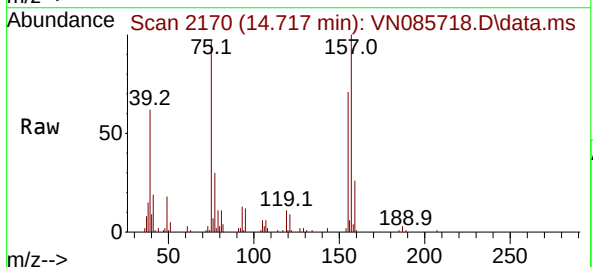
Tgt Ion: 75 Resp: 39090

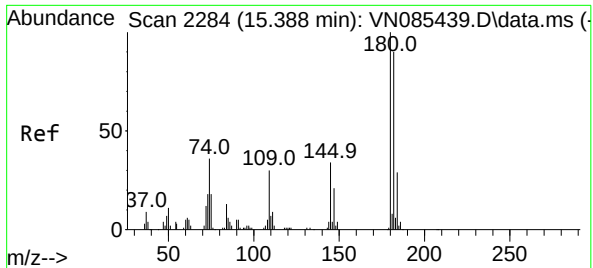
Ion Ratio Lower Upper

75 100

155 75.8 36.4 109.2

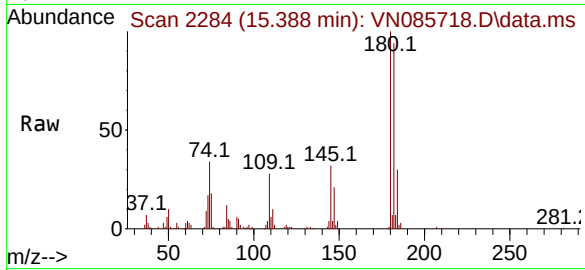
157 101.8 45.4 136.1





#93
1,2,4-Trichlorobenzene
Concen: 55.254 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

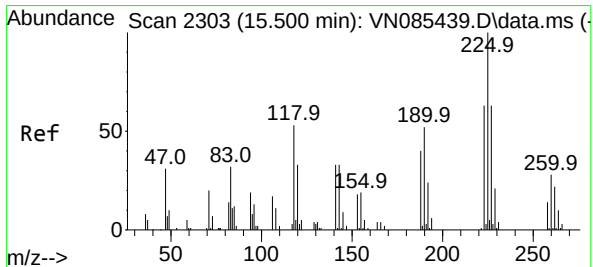
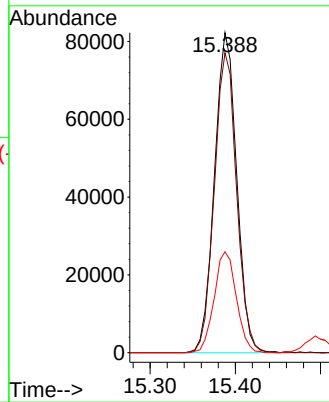
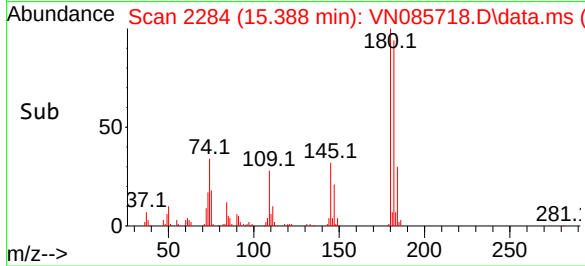
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



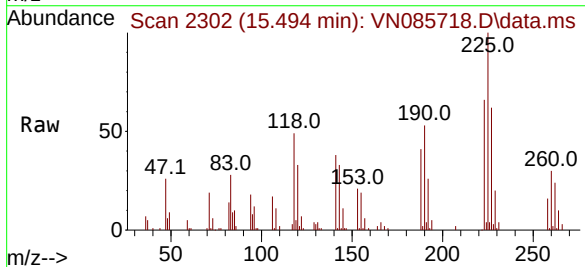
Tgt Ion:180 Resp: 148670
Ion Ratio Lower Upper
180 100
182 94.0 46.8 140.3
145 31.6 16.0 48.0

Manual Integrations
APPROVED

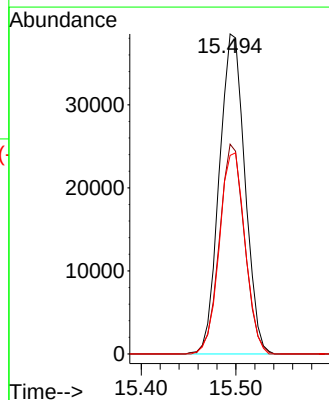
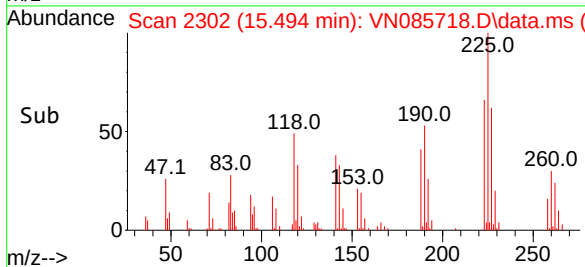
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

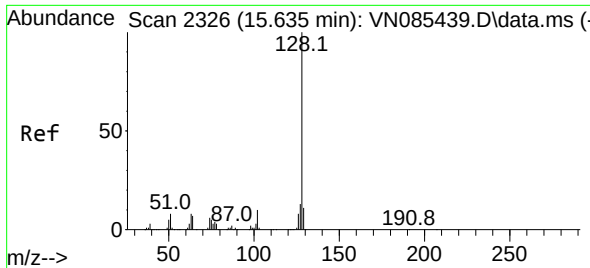


#94
Hexachlorobutadiene
Concen: 50.694 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12



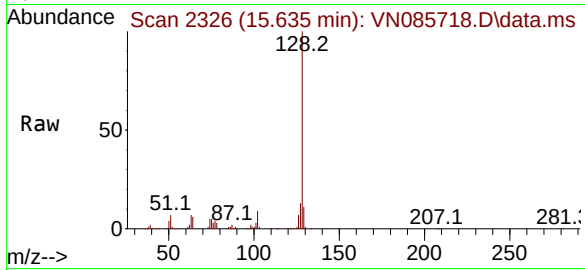
Tgt Ion:225 Resp: 72416
Ion Ratio Lower Upper
225 100
223 64.1 30.7 92.1
227 62.9 30.9 92.5





#95
Naphthalene
Concen: 56.542 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12

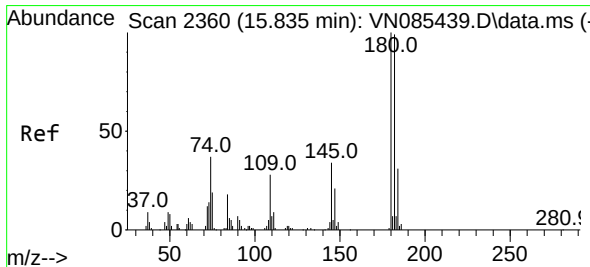
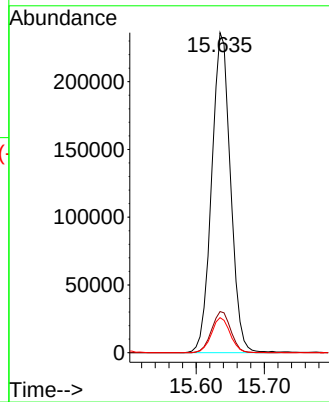
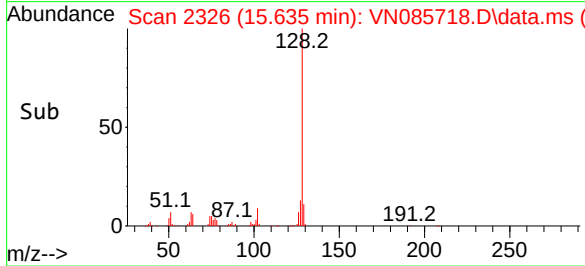
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



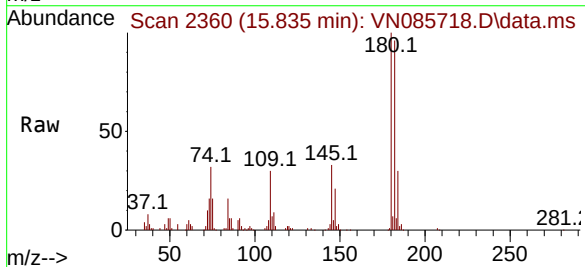
Tgt Ion:128 Resp: 45397
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.9 8.8 13.2

Manual Integrations
APPROVED

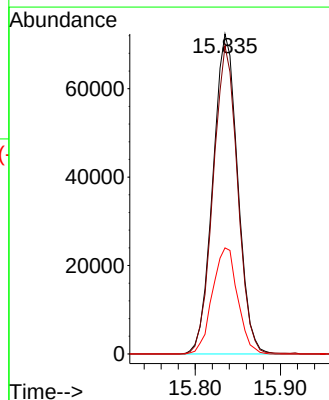
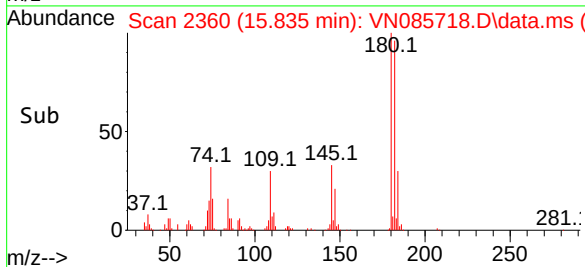
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.826 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085718.D
Acq: 10 Feb 2025 12:12



Tgt Ion:180 Resp: 146543
Ion Ratio Lower Upper
180 100
182 95.0 47.4 142.2
145 33.7 16.9 50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
 Data File : VN085718.D
 Acq On : 10 Feb 2025 12:12
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Feb 11 03:18:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 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	121	0.00
2 T	Dichlorodifluoromethane	0.677	0.796	-17.6	153#	0.00
3 P	Chloromethane	0.733	0.752	-2.6	134	0.00
4 C	Vinyl Chloride	0.737	0.810	-9.9#	143	0.00
5 T	Bromomethane	0.445	0.505	-13.5	147	0.00
6 T	Chloroethane	0.467	0.493	-5.6	141	0.00
7 T	Trichlorofluoromethane	1.069	1.121	-4.9	136	0.00
8 T	Diethyl Ether	0.369	0.379	-2.7	128	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.602	0.644	-7.0	144	0.00
10 T	Methyl Iodide	0.690	0.842	-22.0	142	0.00
11 T	Tert butyl alcohol	0.092	0.095	-3.3	124	0.00
12 CM	1,1-Dichloroethene	0.537	0.606	-12.8#	138	0.00
13 T	Acrolein	0.126	0.115	8.7	100	0.00
14 T	Allyl chloride	0.871	0.801	8.0	115	0.00
15 T	Acrylonitrile	0.294	0.294	0.0	120	0.00
16 T	Acetone	0.261	0.229	12.3	110	0.00
17 T	Carbon Disulfide	1.652	1.770	-7.1	145	0.00
18 T	Methyl Acetate	0.793	0.732	7.7	112	0.00
19 T	Methyl tert-butyl Ether	1.742	1.949	-11.9	126	0.00
20 T	Methylene Chloride	0.646	0.682	-5.6	131	0.00
21 T	trans-1,2-Dichloroethene	0.573	0.644	-12.4	141	0.00
22 T	Diisopropyl ether	1.933	1.915	0.9	114	0.00
23 T	Vinyl Acetate	1.353	1.398	-3.3	113	0.00
24 P	1,1-Dichloroethane	1.178	1.205	-2.3	125	0.00
25 T	2-Butanone	0.384	0.363	5.5	113	0.00
26 T	2,2-Dichloropropane	0.953	1.083	-13.6	140	0.00
27 T	cis-1,2-Dichloroethene	0.675	0.757	-12.1	134	0.00
28 T	Bromochloromethane	0.548	0.459	16.2	103	0.00
29 T	Tetrahydrofuran	0.243	0.245	-0.8	114	0.00
30 C	Chloroform	1.218	1.237	-1.6#	128	0.00
31 T	Cyclohexane	1.024	0.971	5.2	134	0.00
32 T	1,1,1-Trichloroethane	1.068	1.115	-4.4	133	0.00
33 S	1,2-Dichloroethane-d4	0.807	0.653	19.1	95	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	121	0.00
35 S	Dibromofluoromethane	0.347	0.319	8.1	108	0.00
36 T	1,1-Dichloropropene	0.487	0.514	-5.5	135	0.00
37 T	Ethyl Acetate	0.491	0.441	10.2	109	0.00
38 T	Carbon Tetrachloride	0.557	0.585	-5.0	134	0.00
39 T	Methylcyclohexane	0.457	0.518	-13.3	136	0.00
40 TM	Benzene	1.463	1.580	-8.0	132	0.00
41 T	Methacrylonitrile	0.256	0.240	6.3	108	0.00
42 TM	1,2-Dichloroethane	0.551	0.537	2.5	119	0.00
43 T	Isopropyl Acetate	0.787	0.773	1.8	115	0.00
44 TM	Trichloroethene	0.341	0.372	-9.1	139	0.00
45 C	1,2-Dichloropropane	0.374	0.377	-0.8#	123	0.00
46 T	Dibromomethane	0.270	0.273	-1.1	124	0.00
47 T	Bromodichloromethane	0.549	0.577	-5.1	125	0.00
48 T	Methyl methacrylate	0.354	0.353	0.3	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
 Data File : VN085718.D
 Acq On : 10 Feb 2025 12:12
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Feb 11 03:18:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 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	0.006	0.007	-16.7	126	0.00
50 S	Toluene-d8	1.232	1.130	8.3	108	0.00
51 T	4-Methyl-2-Pentanone	0.457	0.447	2.2	110	0.00
52 CM	Toluene	0.848	0.973	-14.7#	136	0.00
53 T	t-1,3-Dichloropropene	0.519	0.582	-12.1	128	0.00
54 T	cis-1,3-Dichloropropene	0.554	0.630	-13.7	130	0.00
55 T	1,1,2-Trichloroethane	0.335	0.362	-8.1	129	0.00
56 T	Ethyl methacrylate	0.469	0.560	-19.4	125	0.00
57 T	1,3-Dichloropropane	0.583	0.629	-7.9	127	0.00
58 T	2-Chloroethyl Vinyl ether	0.213	0.263	-23.5	132	0.00
59 T	2-Hexanone	0.321	0.325	-1.2	110	0.00
60 T	Dibromochloromethane	0.405	0.442	-9.1	129	0.00
61 T	1,2-Dibromoethane	0.334	0.351	-5.1	128	0.00
62 S	4-Bromofluorobenzene	0.422	0.404	4.3	109	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	120	0.00
64 T	Tetrachloroethene	0.341	0.392	-15.0	146	0.00
65 PM	Chlorobenzene	1.095	1.209	-10.4	135	0.00
66 T	1,1,1,2-Tetrachloroethane	0.402	0.433	-7.7	133	0.00
67 C	Ethyl Benzene	1.784	2.105	-18.0#	136	0.00
68 T	m/p-Xylenes	0.659	0.816	-23.8	139	0.00
69 T	o-Xylene	0.630	0.777	-23.3	137	0.00
70 T	Styrene	1.043	1.307	-25.3#	134	0.00
71 P	Bromoform	0.288	0.333	-15.6	129	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00
73 T	Isopropylbenzene	3.375	3.842	-13.8	136	0.00
74 T	N-amyl acetate	1.517	1.471	3.0	111	0.00
75 P	1,1,2,2-Tetrachloroethane	1.192	1.189	0.3	127	0.00
76 T	1,2,3-Trichloropropane	1.016	1.077	-6.0	147	0.00
77 T	Bromobenzene	0.882	0.960	-8.8	136	0.00
78 T	n-propylbenzene	3.995	4.556	-14.0	134	0.00
79 T	2-Chlorotoluene	2.586	2.824	-9.2	133	0.00
80 T	1,3,5-Trimethylbenzene	2.787	3.276	-17.5	136	0.00
81 T	trans-1,4-Dichloro-2-butene	0.376	0.428	-13.8	134	0.00
82 T	4-Chlorotoluene	2.574	2.844	-10.5	134	0.00
83 T	tert-Butylbenzene	2.341	2.666	-13.9	133	0.00
84 T	1,2,4-Trimethylbenzene	2.778	3.323	-19.6	134	0.00
85 T	sec-Butylbenzene	3.244	3.768	-16.2	134	0.00
86 T	p-Isopropyltoluene	2.631	3.157	-20.0	134	0.00
87 T	1,3-Dichlorobenzene	1.624	1.781	-9.7	139	0.00
88 T	1,4-Dichlorobenzene	1.683	1.754	-4.2	137	0.00
89 T	n-Butylbenzene	2.327	2.627	-12.9	129	0.00
90 T	Hexachloroethane	0.618	0.624	-1.0	132	0.00
91 T	1,2-Dichlorobenzene	1.620	1.714	-5.8	134	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.218	0.219	-0.5	120	0.00
93 T	1,2,4-Trichlorobenzene	0.753	0.832	-10.5	130	0.00
94 T	Hexachlorobutadiene	0.400	0.405	-1.3	134	0.00
95 T	Naphthalene	2.246	2.540	-13.1	125	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085718.D
Acq On : 10 Feb 2025 12:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 11 03:18:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 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	0.762	0.820	-7.6	127	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
 Data File : VN085718.D
 Acq On : 10 Feb 2025 12:12
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Feb 11 03:18:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 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	121	0.00
2 T	Dichlorodifluoromethane	50.000	58.818	-17.6	153	0.00
3 P	Chloromethane	50.000	51.292	-2.6	134	0.00
4 C	Vinyl Chloride	50.000	54.939	-9.9#	143	0.00
5 T	Bromomethane	50.000	56.744	-13.5	147	0.00
6 T	Chloroethane	50.000	52.745	-5.5	141	0.00
7 T	Trichlorofluoromethane	50.000	52.425	-4.8	136	0.00
8 T	Diethyl Ether	50.000	51.307	-2.6	128	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	53.501	-7.0	144	0.00
10 T	Methyl Iodide	50.000	61.069	-22.1	142	0.00
11 T	Tert butyl alcohol	250.000	256.863	-2.7	124	0.00
12 CM	1,1-Dichloroethene	50.000	56.476	-13.0#	138	0.00
13 T	Acrolein	250.000	228.072	8.8	100	0.00
14 T	Allyl chloride	50.000	45.989	8.0	115	0.00
15 T	Acrylonitrile	250.000	250.688	-0.3	120	0.00
16 T	Acetone	250.000	219.237	12.3	110	0.00
17 T	Carbon Disulfide	50.000	53.566	-7.1	145	0.00
18 T	Methyl Acetate	50.000	46.137	7.7	112	0.00
19 T	Methyl tert-butyl Ether	50.000	55.931	-11.9	126	0.00
20 T	Methylene Chloride	50.000	52.824	-5.6	131	0.00
21 T	trans-1,2-Dichloroethene	50.000	56.174	-12.3	141	0.00
22 T	Diisopropyl ether	50.000	49.540	0.9	114	0.00
23 T	Vinyl Acetate	250.000	258.421	-3.4	113	0.00
24 P	1,1-Dichloroethane	50.000	51.127	-2.3	125	0.00
25 T	2-Butanone	250.000	236.309	5.5	113	0.00
26 T	2,2-Dichloropropane	50.000	56.810	-13.6	140	0.00
27 T	cis-1,2-Dichloroethene	50.000	56.038	-12.1	134	0.00
28 T	Bromochloromethane	50.000	41.864	16.3	103	0.00
29 T	Tetrahydrofuran	250.000	251.701	-0.7	114	0.00
30 C	Chloroform	50.000	50.761	-1.5#	128	0.00
31 T	Cyclohexane	50.000	47.397	5.2	134	0.00
32 T	1,1,1-Trichloroethane	50.000	52.186	-4.4	133	0.00
33 S	1,2-Dichloroethane-d4	50.000	40.480	19.0	95	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	121	0.00
35 S	Dibromofluoromethane	50.000	45.951	8.1	108	0.00
36 T	1,1-Dichloropropene	50.000	52.778	-5.6	135	0.00
37 T	Ethyl Acetate	50.000	44.830	10.3	109	0.00
38 T	Carbon Tetrachloride	50.000	52.438	-4.9	134	0.00
39 T	Methylcyclohexane	50.000	56.623	-13.2	136	0.00
40 TM	Benzene	50.000	53.993	-8.0	132	0.00
41 T	Methacrylonitrile	50.000	46.941	6.1	108	0.00
42 TM	1,2-Dichloroethane	50.000	48.699	2.6	119	0.00
43 T	Isopropyl Acetate	50.000	49.064	1.9	115	0.00
44 TM	Trichloroethene	50.000	54.607	-9.2	139	0.00
45 C	1,2-Dichloropropane	50.000	50.412	-0.8#	123	0.00
46 T	Dibromomethane	50.000	50.656	-1.3	124	0.00
47 T	Bromodichloromethane	50.000	52.534	-5.1	125	0.00
48 T	Methyl methacrylate	50.000	49.787	0.4	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
 Data File : VN085718.D
 Acq On : 10 Feb 2025 12:12
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Feb 11 03:18:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 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	1100.520	-10.1	126	0.00
50 S	Toluene-d8	50.000	45.824	8.4	108	0.00
51 T	4-Methyl-2-Pentanone	250.000	244.385	2.2	110	0.00
52 CM	Toluene	50.000	57.408	-14.8#	136	0.00
53 T	t-1,3-Dichloropropene	50.000	56.040	-12.1	128	0.00
54 T	cis-1,3-Dichloropropene	50.000	56.825	-13.7	130	0.00
55 T	1,1,2-Trichloroethane	50.000	53.911	-7.8	129	0.00
56 T	Ethyl methacrylate	50.000	49.609	0.8	125	0.00
57 T	1,3-Dichloropropane	50.000	53.908	-7.8	127	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	308.848	-23.5	132	0.00
59 T	2-Hexanone	250.000	253.089	-1.2	110	0.00
60 T	Dibromochloromethane	50.000	54.555	-9.1	129	0.00
61 T	1,2-Dibromoethane	50.000	52.634	-5.3	128	0.00
62 S	4-Bromofluorobenzene	50.000	47.930	4.1	109	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	120	0.00
64 T	Tetrachloroethene	50.000	57.525	-15.0	146	0.00
65 PM	Chlorobenzene	50.000	55.205	-10.4	135	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.873	-7.7	133	0.00
67 C	Ethyl Benzene	50.000	58.984	-18.0#	136	0.00
68 T	m/p-Xylenes	100.000	123.696	-23.7	139	0.00
69 T	o-Xylene	50.000	61.619	-23.2	137	0.00
70 T	Styrene	50.000	62.646	-25.3#	134	0.00
71 P	Bromoform	50.000	57.864	-15.7	129	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	122	0.00
73 T	Isopropylbenzene	50.000	56.926	-13.9	136	0.00
74 T	N-ethyl acetate	50.000	48.499	3.0	111	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.885	0.2	127	0.00
76 T	1,2,3-Trichloropropane	50.000	53.011	-6.0	147	0.00
77 T	Bromobenzene	50.000	54.464	-8.9	136	0.00
78 T	n-propylbenzene	50.000	57.018	-14.0	134	0.00
79 T	2-Chlorotoluene	50.000	54.618	-9.2	133	0.00
80 T	1,3,5-Trimethylbenzene	50.000	58.769	-17.5	136	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	56.947	-13.9	134	0.00
82 T	4-Chlorotoluene	50.000	55.232	-10.5	134	0.00
83 T	tert-Butylbenzene	50.000	56.953	-13.9	133	0.00
84 T	1,2,4-Trimethylbenzene	50.000	59.810	-19.6	134	0.00
85 T	sec-Butylbenzene	50.000	58.074	-16.1	134	0.00
86 T	p-Isopropyltoluene	50.000	53.564	-7.1	134	0.00
87 T	1,3-Dichlorobenzene	50.000	54.836	-9.7	139	0.00
88 T	1,4-Dichlorobenzene	50.000	52.102	-4.2	137	0.00
89 T	n-Butylbenzene	50.000	56.437	-12.9	129	0.00
90 T	Hexachloroethane	50.000	50.537	-1.1	132	0.00
91 T	1,2-Dichlorobenzene	50.000	52.904	-5.8	134	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.239	-0.5	120	0.00
93 T	1,2,4-Trichlorobenzene	50.000	55.254	-10.5	130	0.00
94 T	Hexachlorobutadiene	50.000	50.694	-1.4	134	0.00
95 T	Naphthalene	50.000	56.542	-13.1	125	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085718.D
Acq On : 10 Feb 2025 12:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 11 03:18:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.826	-7.7	127	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



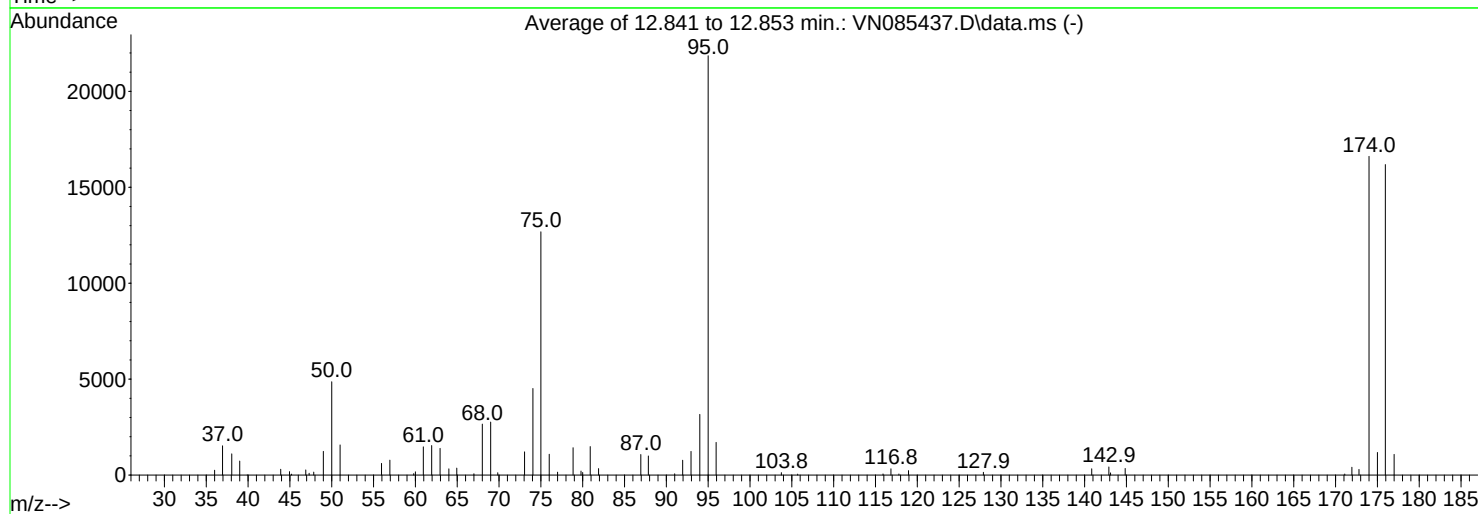
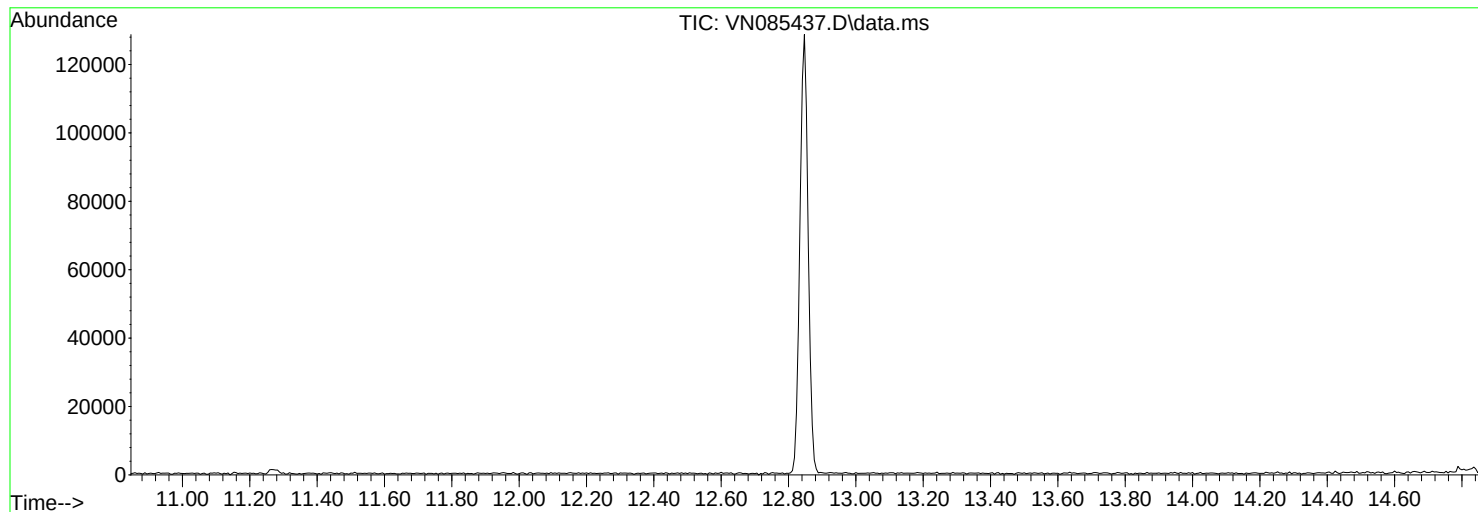
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085437.D
Acq On : 14 Jan 2025 14:22
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260
Last Update : Wed Jan 15 02:16:08 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	22.3	4864	PASS
75	95	30	60	58.0	12679	PASS
95	95	100	100	100.0	21856	PASS
96	95	5	9	7.8	1703	PASS
173	174	0.00	2	1.8	296	PASS
174	95	50	100	76.0	16613	PASS
175	174	5	9	7.1	1179	PASS
176	174	95	101	97.4	16185	PASS
177	176	5	9	6.7	1079	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	254	49.00	1237	64.95	364	79.80	211
36.95	1525	50.00	4864	67.00	71	80.00	136
38.05	1107	51.00	1571	68.00	2658	80.90	1487
39.00	730	55.95	608	69.00	2763	81.90	338
39.90	5	56.95	779	69.85	123	86.95	1072
43.90	302	59.80	76	73.05	1212	87.85	997
44.95	180	60.00	170	74.05	4514	91.00	68
45.20	50	60.95	1471	75.00	12679	91.95	773
46.90	269	61.95	1539	76.00	1086	92.95	1234
47.30	94	62.95	1390	77.00	153	94.00	3163
47.85	154	64.00	325	78.85	1426	95.00	21856

Average of 12.841 to 12.853 min.: VN085437.D\data.ms

BFB

Modified:subtracted

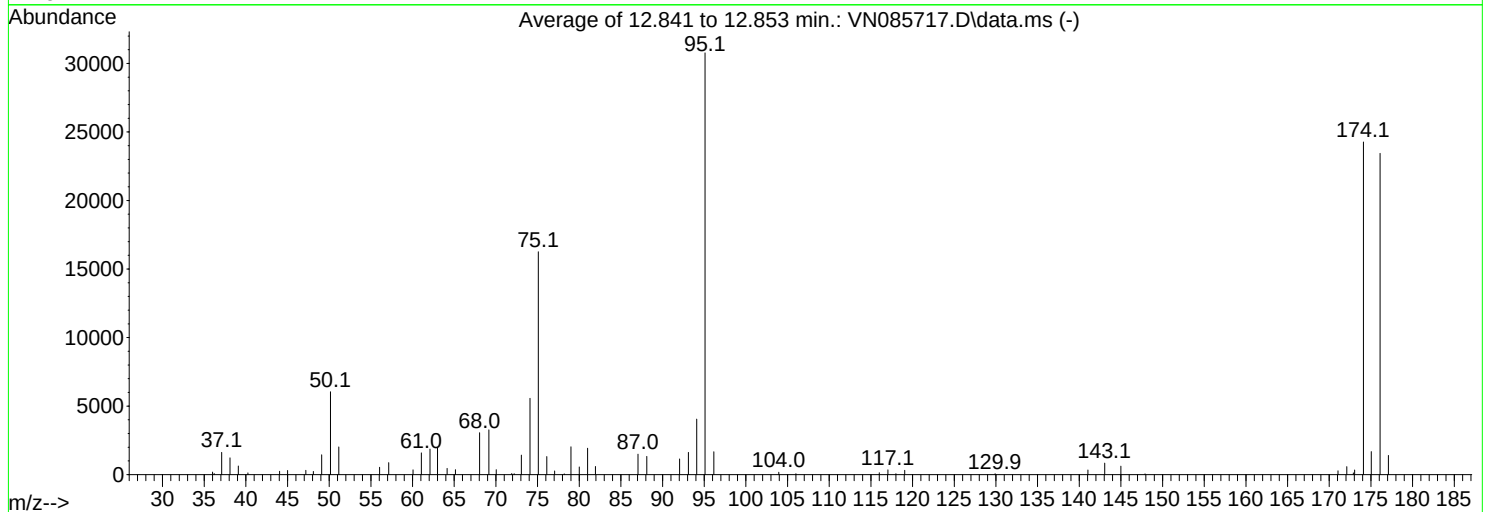
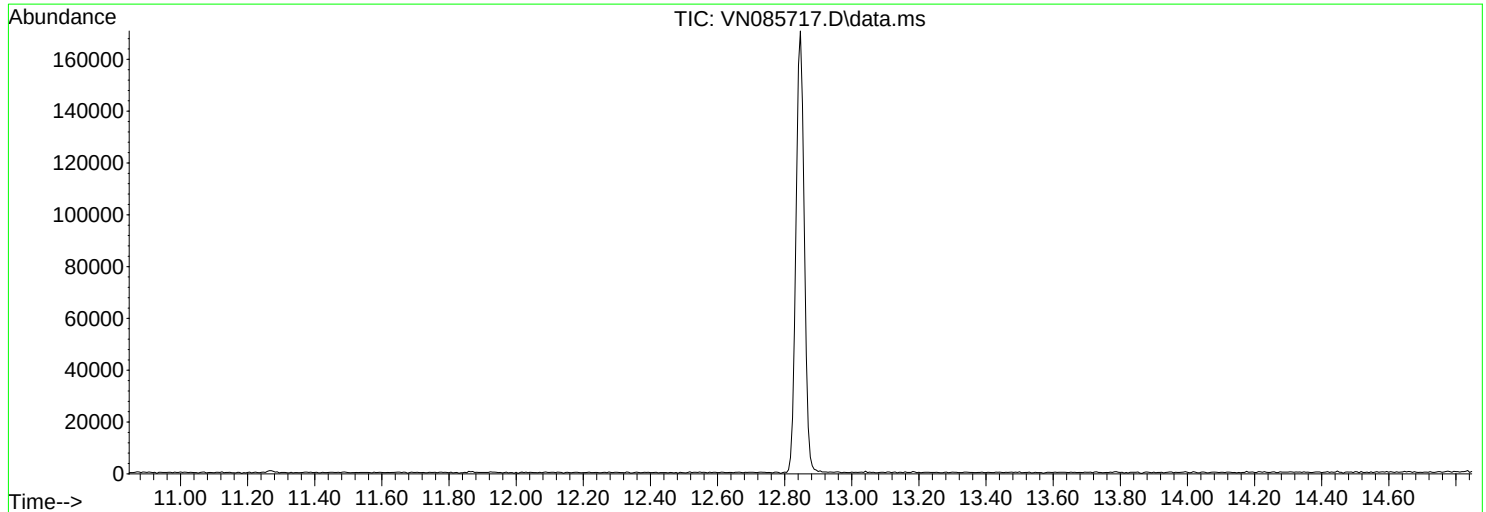
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.95	1703	144.85	346				
103.75	127	171.10	56				
105.70	51	171.95	407				
115.90	59	172.80	296				
116.85	327	174.00	16613				
117.80	58	175.00	1179				
118.95	233	175.95	16185				
127.90	145	177.00	1079				
140.85	328						
142.90	422						
143.10	115						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085717.D
Acq On : 10 Feb 2025 09:49
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\82N011425W.M
Title : SW846 8260
Last Update : Wed Jan 15 02:16:08 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	19.7	6047	PASS
75	95	30	60	52.8	16257	PASS
95	95	100	100	100.0	30773	PASS
96	95	5	9	5.4	1672	PASS
173	174	0.00	2	1.4	340	PASS
174	95	50	100	78.9	24269	PASS
175	174	5	9	6.9	1684	PASS
176	174	95	101	96.6	23435	PASS
177	176	5	9	6.0	1400	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	183	50.15	6047	69.15	3274	80.00	56
36.20	83	51.15	2022	70.05	359	81.00	193
37.10	1627	56.05	539	71.90	77	81.95	59
38.10	1224	57.15	873	72.20	67	87.05	149
39.10	630	60.05	352	73.05	1422	88.10	1333
40.25	123	61.05	1589	74.10	5567	92.05	1140
44.05	242	62.10	1871	75.10	16257	93.10	1625
45.00	308	63.00	1954	76.10	1320	94.10	4056
47.20	314	64.15	455	77.05	266	95.10	30773
48.10	236	65.15	366	78.20	55	96.15	1672
49.10	1449	68.05	3055	79.00	2034	103.95	175

Average of 12.841 to 12.853 min.: VN085717.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
106.00	66	172.10	586				
116.00	135	172.90	127				
117.05	349	173.05	340				
118.00	76	174.10	24269				
119.05	310	175.05	1684				
129.90	67	176.10	23435				
141.05	338	177.10	1400				
143.05	843						
145.00	623						
147.90	55						
171.05	275						

Instrument :

MSVOA_N

ClientSampleId :

BFB

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	Weekly Storage Blanks		Date Received:	
Client Sample ID:	VN0210WBL01		SDG No.:	Q1328
Lab Sample ID:	VN0210WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085720.D	1		02/10/25 13:12	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	Weekly Storage Blanks		Date Received:	
Client Sample ID:	VN0210WBL01		SDG No.:	Q1328
Lab Sample ID:	VN0210WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085720.D	1		02/10/25 13:12	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN0210WBL01	SDG No.:	Q1328
Lab Sample ID:	VN0210WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085720.D	1		02/10/25 13:12	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	48.3		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		77 - 121	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	252000	8.224			
540-36-3	1,4-Difluorobenzene	469000	9.1			
3114-55-4	Chlorobenzene-d5	395000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.788			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN0210WBL01	SDG No.:	Q1328
Lab Sample ID:	VN0210WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085720.D	1		02/10/25 13:12	VN021025

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\VN021025\
 Data File : VN085720.D
 Acq On : 10 Feb 2025 13:12
 Operator : JC\MD
 Sample : VN0210WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBL01

Quant Time: Feb 11 03:20:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	252400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	469407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	394938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	156176	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	194879	47.832	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.660%
35) Dibromofluoromethane	8.165	113	163357	50.163	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.320%
50) Toluene-d8	10.565	98	559089	48.321	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.640%
62) 4-Bromofluorobenzene	12.847	95	174849	44.177	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.360%

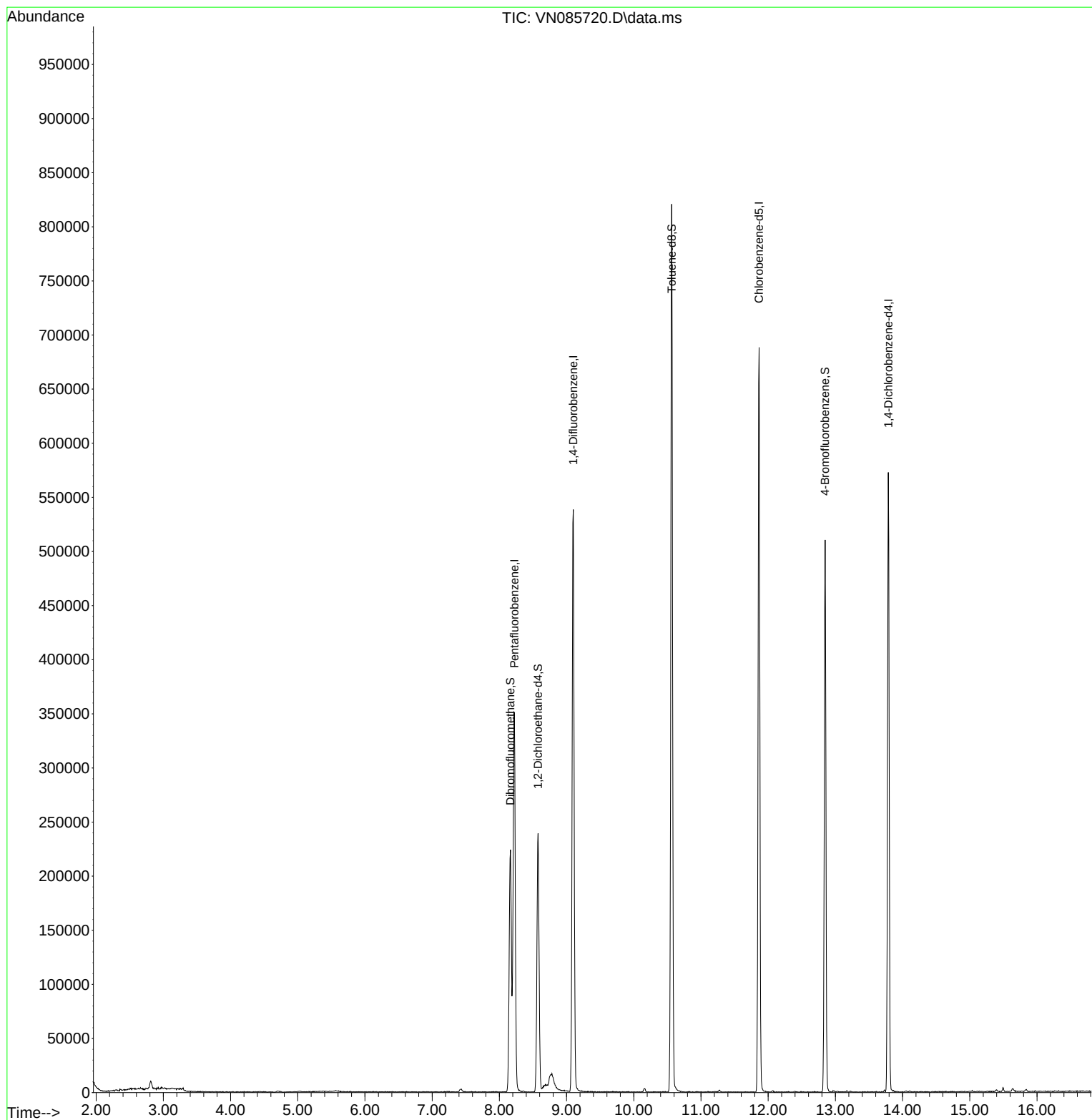
Target Compounds	Qvalue

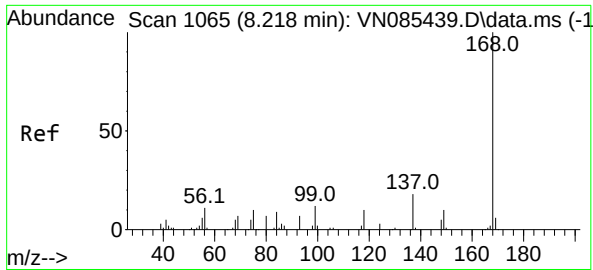
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

Quant Time: Feb 11 03:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

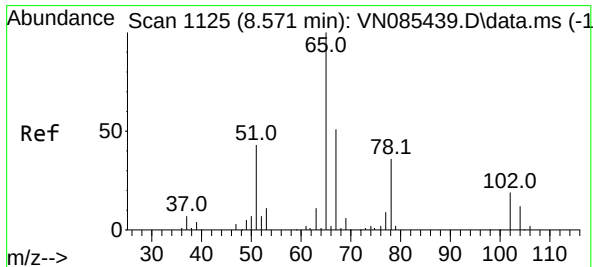
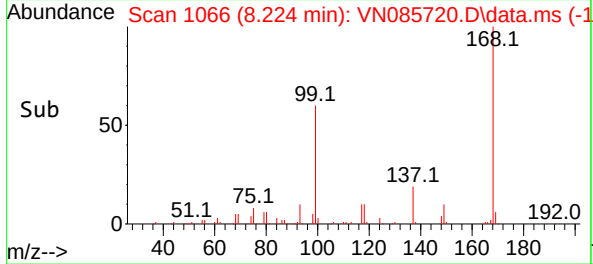
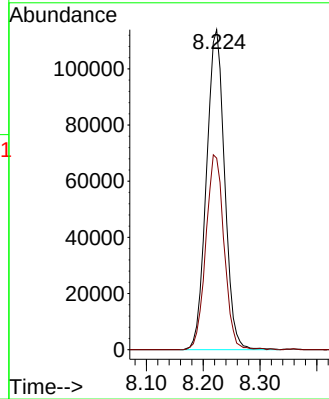
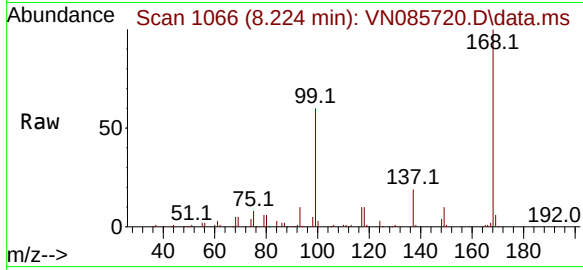




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

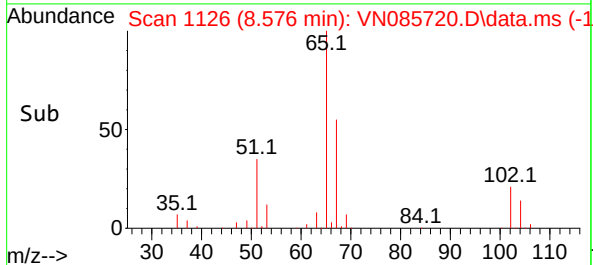
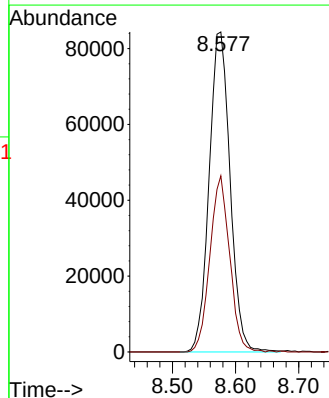
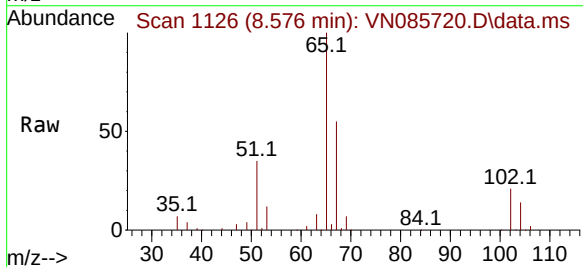
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

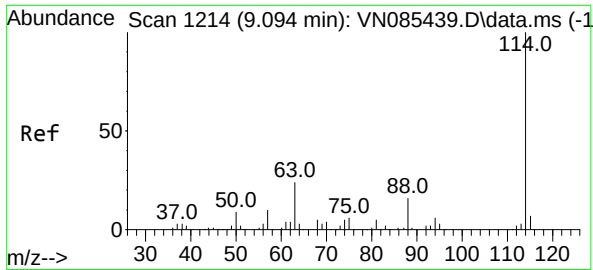
Tgt Ion:168 Resp: 252400
Ion Ratio Lower Upper
168 100
99 59.9 53.6 80.4



#33
1,2-Dichloroethane-d4
Concen: 47.832 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Tgt Ion: 65 Resp: 194879
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085720.D

Acq: 10 Feb 2025 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBL01

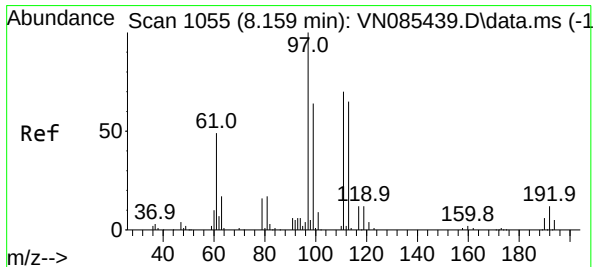
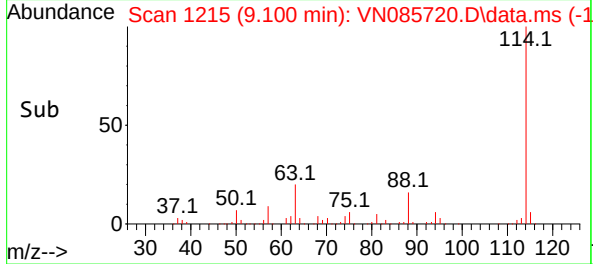
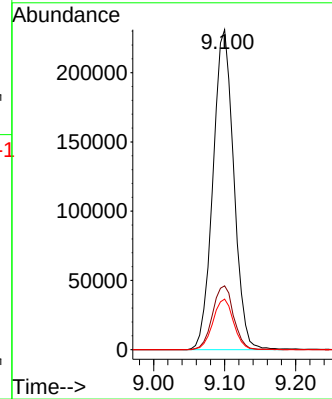
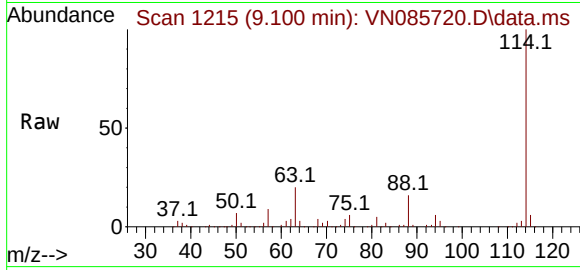
Tgt Ion:114 Resp: 469407

Ion Ratio Lower Upper

114 100

63 19.9 0.0 47.6

88 15.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.163 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085720.D

Acq: 10 Feb 2025 13:12

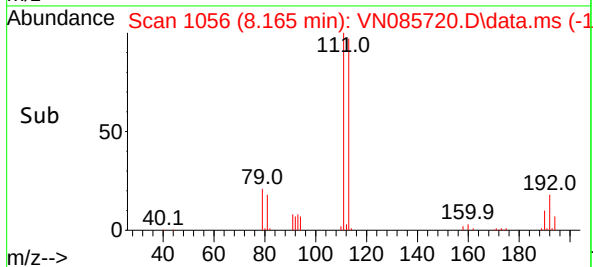
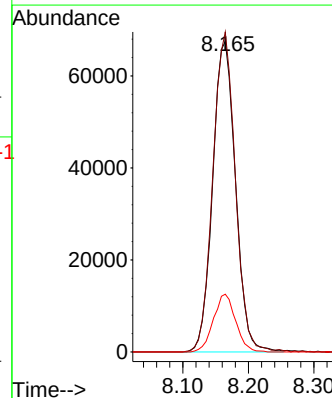
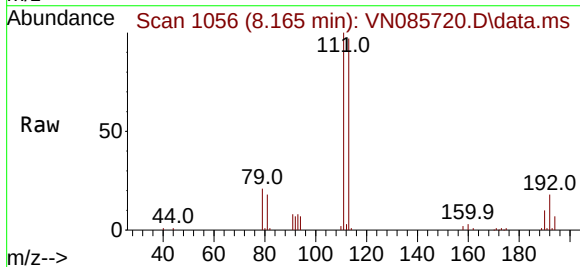
Tgt Ion:113 Resp: 163357

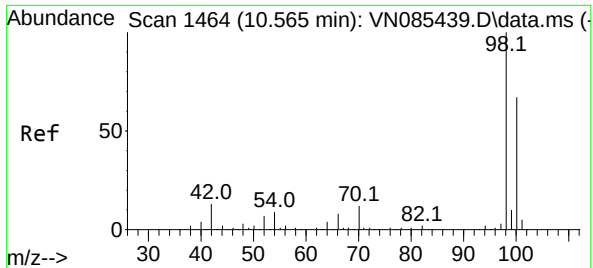
Ion Ratio Lower Upper

113 100

111 101.5 82.7 124.1

192 18.1 14.3 21.5

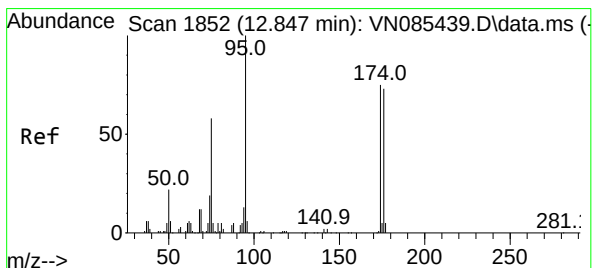
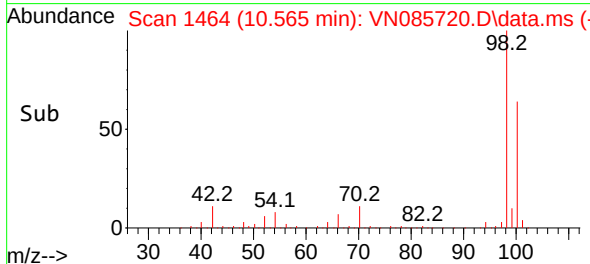
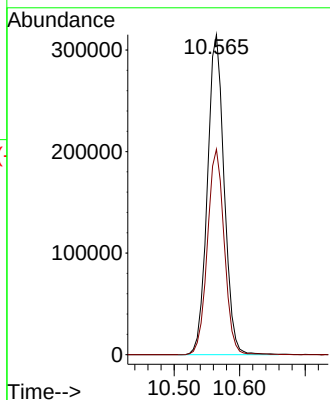
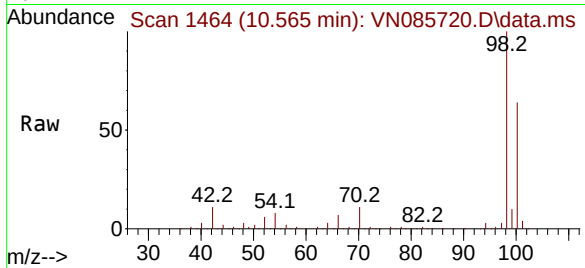




#50
Toluene-d8
Concen: 48.321 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

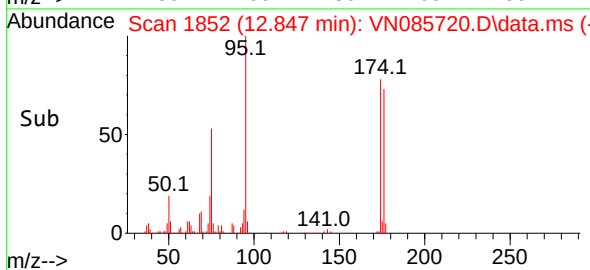
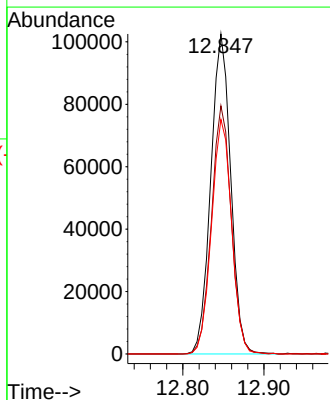
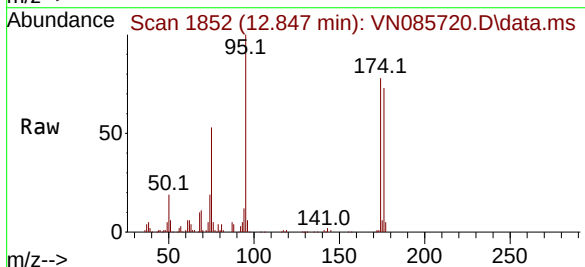
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

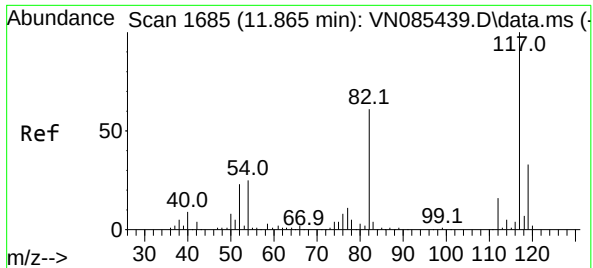
Tgt Ion: 98 Resp: 559089
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 44.177 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Tgt Ion: 95 Resp: 174849
Ion Ratio Lower Upper
95 100
174 77.2 0.0 145.0
176 73.9 0.0 142.4

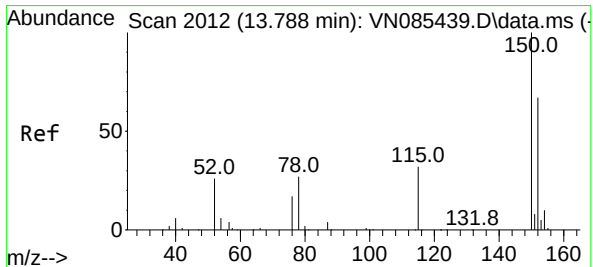
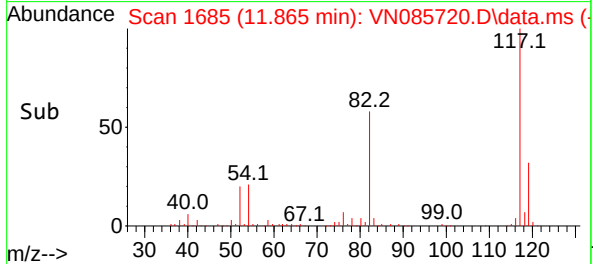
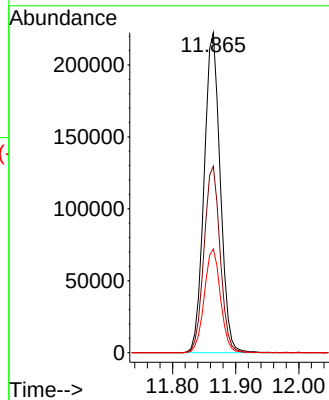
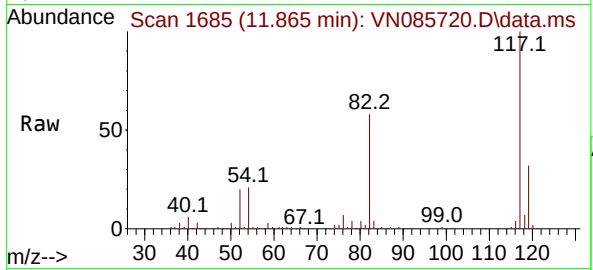




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11685
Delta R.T. -0.000 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

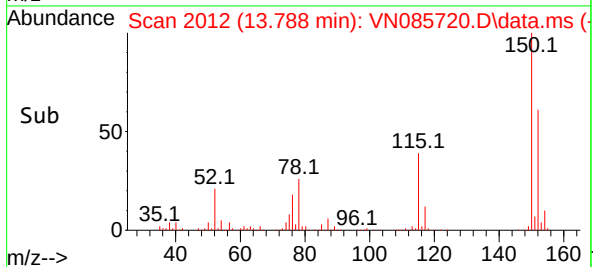
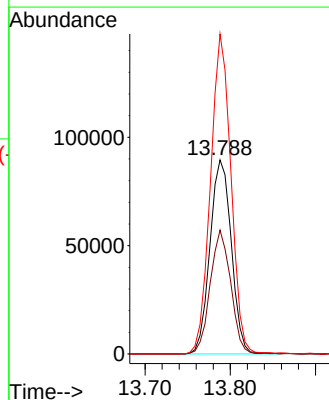
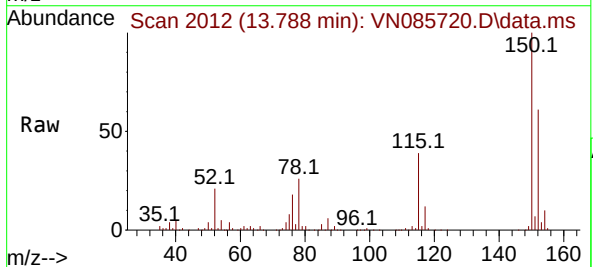
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

Tgt Ion:117 Resp: 394938
Ion Ratio Lower Upper
117 100
82 58.2 48.6 72.8
119 32.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Tgt Ion:152 Resp: 156176
Ion Ratio Lower Upper
152 100
115 61.1 31.1 93.3
150 157.8 0.0 343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

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\82N011425W.M

Title : SW846 8260

Signal : TIC: VN085720.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.812	139	146	153	rBV7	7222	16116	1.10%	0.214%
2	8.165	1045	1056	1060	rBV	223967	526229	35.78%	7.001%
3	8.218	1060	1065	1077	rVB	349844	788705	53.63%	10.493%
4	8.577	1115	1126	1135	rBV	239026	533892	36.31%	7.103%
5	8.771	1151	1159	1160	rBV4	10030	23172	1.58%	0.308%
6	9.100	1205	1215	1234	rBV	537670	1102022	74.94%	14.661%
7	10.565	1455	1464	1483	rBV	820391	1470572	100.00%	19.564%
8	11.865	1676	1685	1699	rBV	687962	1229949	83.64%	16.363%
9	12.847	1844	1852	1862	rBV	510153	860884	58.54%	11.453%
10	13.788	2005	2012	2024	rBV	572203	965006	65.62%	12.838%

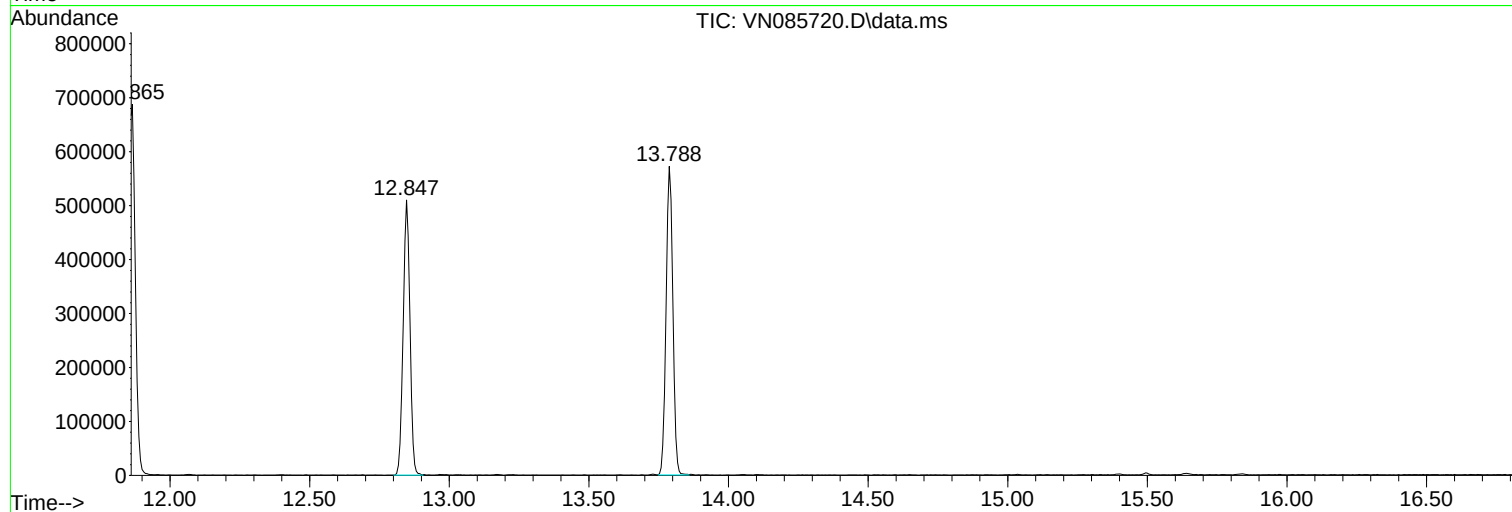
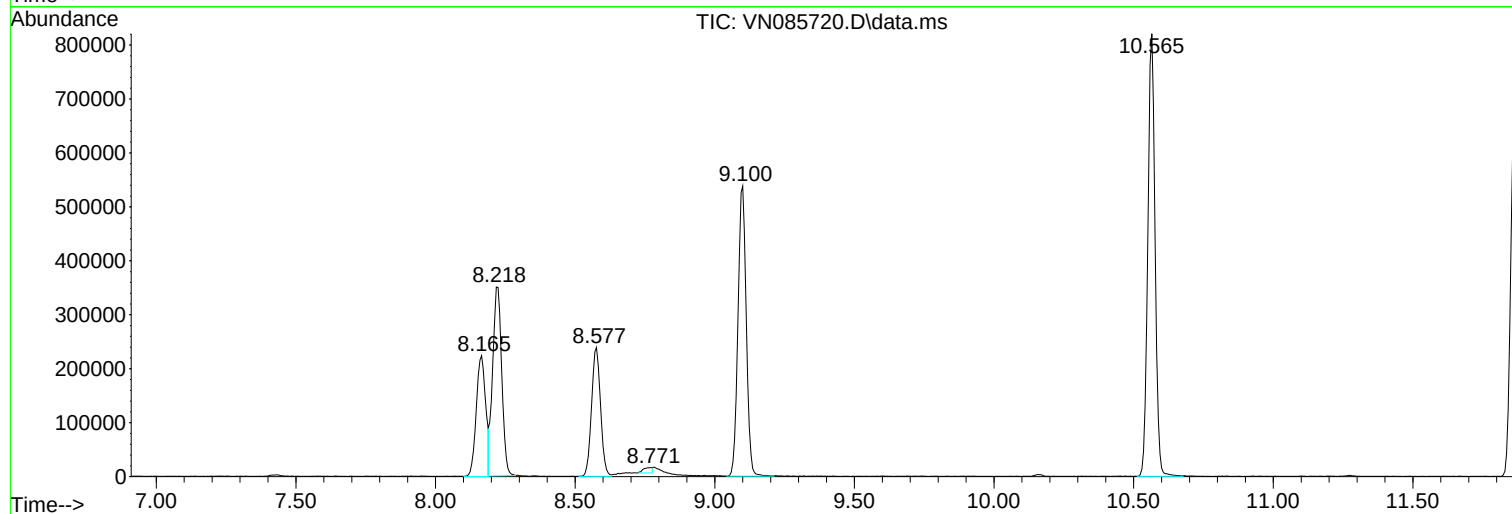
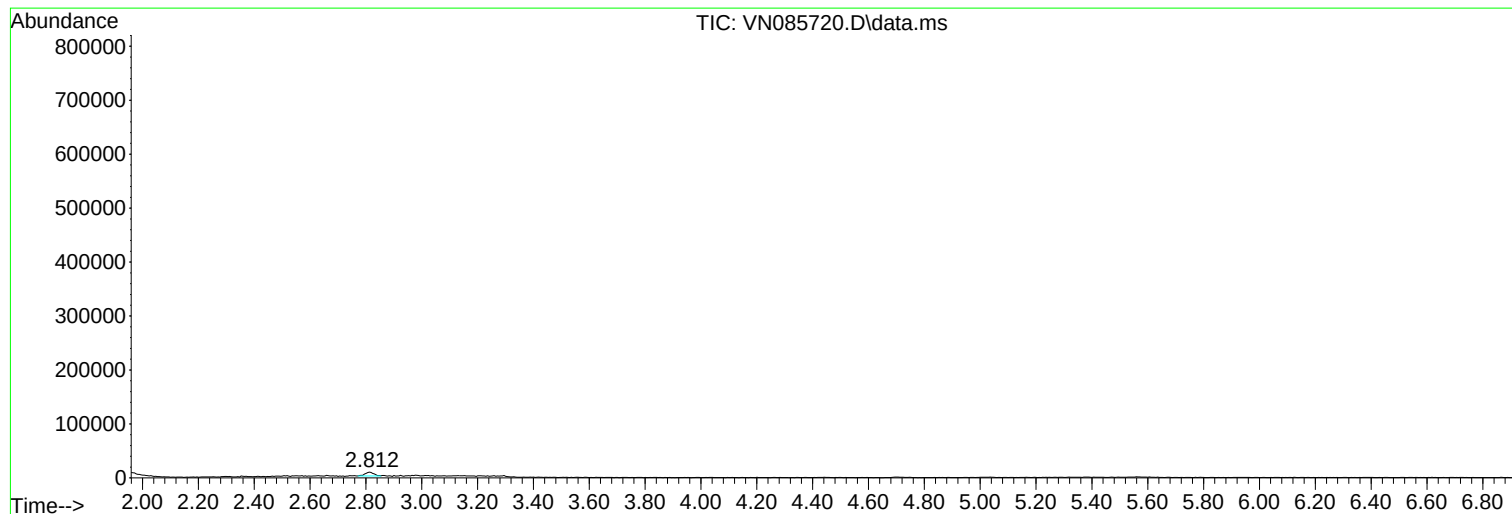
Sum of corrected areas: 7516547

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.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\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.4		0.21	1.00	ug/L
74-87-3	Chloromethane	17.7		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.8		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	14.9		0.38	1.00	ug/L
74-83-9	Bromomethane	18.5		1.40	5.00	ug/L
75-00-3	Chloroethane	18.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	86.7		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.26	1.00	ug/L
107-02-8	Acrolein	50.6		6.70	25.0	ug/L
107-13-1	Acrylonitrile	82.7		0.90	5.00	ug/L
67-64-1	Acetone	78.6		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.0		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	15.7		0.60	1.00	ug/L
75-09-2	Methylene Chloride	18.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	81.9		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	17.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.6		1.60	5.00	ug/L
78-93-3	2-Butanone	78.5		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	19.0		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.8		0.25	1.00	ug/L
74-97-5	Bromochloromethane	16.3		0.18	1.00	ug/L
67-66-3	Chloroform	17.4		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.5		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	17.7		0.18	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	Weekly Storage Blanks			Date Received:	
Client Sample ID:	VN0210WBS01			SDG No.:	Q1328
Lab Sample ID:	VN0210WBS01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085721.D	1		02/10/25 14:12	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	18.3		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	16.5		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.2		0.19	1.00	ug/L
74-95-3	Dibromomethane	17.3		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	17.7		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	81.4		0.75	5.00	ug/L
108-88-3	Toluene	19.4		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.9		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.3		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.3		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	17.9		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	86.5		1.80	5.00	ug/L
591-78-6	2-Hexanone	82.2		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	18.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.2		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	17.9		0.21	1.00	ug/L
67-72-1	Hexachloroethane	17.1		0	0	ug/L
100-41-4	Ethyl Benzene	18.7		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	40.0		0.31	2.00	ug/L
95-47-6	o-Xylene	19.3		0.14	1.00	ug/L
100-42-5	Styrene	19.7		0.16	1.00	ug/L
75-25-2	Bromoform	19.1		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.6		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	16.9		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	18.5		0.39	1.00	ug/L
108-86-1	Bromobenzene	18.1		0.26	1.00	ug/L
103-65-1	n-propylbenzene	18.6		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	17.9		0.16	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN0210WBS01	SDG No.:	Q1328
Lab Sample ID:	VN0210WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085721.D	1		02/10/25 14:12	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	19.0		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	18.5		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	18.2		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	19.3		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	18.9		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	19.0		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.5		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.6		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	17.8		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.2		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.4		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	17.7		0.31	1.00	ug/L
91-20-3	Naphthalene	16.2		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.2		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.3		74 - 125	79%	SPK: 50
1868-53-7	Dibromofluoromethane	44.5		75 - 124	89%	SPK: 50
2037-26-5	Toluene-d8	44.6		86 - 113	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		77 - 121	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	320000	8.224			
540-36-3	1,4-Difluorobenzene	544000	9.1			
3114-55-4	Chlorobenzene-d5	478000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	233000	13.788			

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	Weekly Storage Blanks		Date Received:	
Client Sample ID:	VN0210WBS01		SDG No.:	Q1328
Lab Sample ID:	VN0210WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085721.D	1		02/10/25 14:12	VN021025

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\VN021025\
 Data File : VN085721.D
 Acq On : 10 Feb 2025 14:12
 Operator : JC\MD
 Sample : VN0210WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:20:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	320498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	543900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	477598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	232853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	203246	39.286	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	78.580%		
35) Dibromofluoromethane	8.165	113	167990	44.520	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.040%		
50) Toluene-d8	10.565	98	597282	44.551	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.100%		
62) 4-Bromofluorobenzene	12.847	95	213760	46.611	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	88331	20.355	ug/l	99
3) Chloromethane	2.359	50	83326	17.735	ug/l	98
4) Vinyl Chloride	2.512	62	88754	18.794	ug/l	99
5) Bromomethane	2.959	94	52768	18.498	ug/l	98
6) Chloroethane	3.124	64	53912	18.006	ug/l	97
7) Trichlorofluoromethane	3.501	101	123240	17.985	ug/l	97
8) Diethyl Ether	3.959	74	40137	16.955	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	72118	18.686	ug/l	97
10) Methyl Iodide	4.589	142	87760	19.856	ug/l	99
11) Tert butyl alcohol	5.518	59	51371	86.717	ug/l	99
12) 1,1-Dichloroethene	4.336	96	65001	18.897	ug/l	90
13) Acrolein	4.177	56	40936	50.621	ug/l	97
14) Allyl chloride	5.018	41	85957	15.400	ug/l	96
15) Acrylonitrile	5.718	53	155679	82.735	ug/l	99
16) Acetone	4.424	43	131435	78.628	ug/l	94
17) Carbon Disulfide	4.712	76	190875	18.023	ug/l #	94
18) Methyl Acetate	5.024	43	79755	15.690	ug/l	94
19) Methyl tert-butyl Ether	5.789	73	200083	17.914	ug/l	97
20) Methylene Chloride	5.277	84	75264	18.188	ug/l	88
21) trans-1,2-Dichloroethene	5.783	96	68149	18.539	ug/l	96
22) Diisopropyl ether	6.665	45	202767	16.367	ug/l	96
23) Vinyl Acetate	6.600	43	709850	81.875	ug/l	96
24) 1,1-Dichloroethane	6.565	63	130079	17.220	ug/l	98
25) 2-Butanone	7.477	43	192994	78.456	ug/l #	88
26) 2,2-Dichloropropane	7.489	77	116035	18.999	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	77257	17.843	ug/l	96
28) Bromochloromethane	7.812	49	57336	16.315	ug/l	89
29) Tetrahydrofuran	7.836	42	126475	81.095	ug/l	91
30) Chloroform	7.965	83	135647	17.374	ug/l	97
31) Cyclohexane	8.253	56	108881	16.583	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	119557	17.458	ug/l	95
36) 1,1-Dichloropropene	8.371	75	93549	17.665	ug/l	98
37) Ethyl Acetate	7.559	43	79822	14.933	ug/l	96
38) Carbon Tetrachloride	8.359	117	109315	18.030	ug/l	98
39) Methylcyclohexane	9.600	83	91915	18.470	ug/l	98
40) Benzene	8.606	78	290473	18.255	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
 Data File : VN085721.D
 Acq On : 10 Feb 2025 14:12
 Operator : JC\MD
 Sample : VN0210WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:20:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	43060	15.484	ug/l	93
42) 1,2-Dichloroethane	8.665	62	98683	16.466	ug/l	97
43) Isopropyl Acetate	8.683	43	145019	16.931	ug/l	99
44) Trichloroethene	9.347	130	68649	18.534	ug/l	97
45) 1,2-Dichloropropane	9.618	63	69815	17.177	ug/l	100
46) Dibromomethane	9.706	93	50778	17.314	ug/l	96
47) Bromodichloromethane	9.882	83	105660	17.684	ug/l	100
48) Methyl methacrylate	9.677	41	61288	15.900	ug/l	93
49) 1,4-Dioxane	9.688	88	23751	365.912	ug/l	94
51) 4-Methyl-2-Pentanone	10.441	43	404517	81.388	ug/l	95
52) Toluene	10.624	92	179258	19.443	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	101058	17.898	ug/l	95
54) cis-1,3-Dichloropropene	10.306	75	110376	18.301	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	66822	18.314	ug/l	96
56) Ethyl methacrylate	10.871	69	94038	16.640	ug/l	89
57) 1,3-Dichloropropane	11.159	76	113364	17.868	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	200212	86.468	ug/l	97
59) 2-Hexanone	11.194	43	287586	82.233	ug/l	93
60) Dibromochloromethane	11.359	129	79667	18.085	ug/l	100
61) 1,2-Dibromoethane	11.471	107	66280	18.249	ug/l	99
64) Tetrachloroethene	11.100	164	64003	19.657	ug/l	99
65) Chlorobenzene	11.888	112	194870	18.625	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	68857	17.932	ug/l	98
67) Ethyl Benzene	11.959	91	319020	18.721	ug/l	98
68) m/p-Xylenes	12.071	106	251837	39.987	ug/l	97
69) o-Xylene	12.394	106	115933	19.262	ug/l	98
70) Styrene	12.406	104	196059	19.683	ug/l	98
71) Bromoform	12.576	173	52382	19.065	ug/l #	99
73) Isopropylbenzene	12.694	105	292203	18.593	ug/l	99
74) N-amyl acetate	12.494	43	109562	15.510	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	93715	16.881	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	87763m	18.544	ug/l	
77) Bromobenzene	12.976	156	74162	18.062	ug/l	96
78) n-propylbenzene	13.035	91	346882	18.645	ug/l	99
79) 2-Chlorotoluene	13.123	91	215960	17.936	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	247091	19.035	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	32042m	18.317	ug/l	
82) 4-Chlorotoluene	13.218	91	222118	18.527	ug/l	98
83) tert-Butylbenzene	13.435	119	198026	18.165	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	249382	19.275	ug/l	99
85) sec-Butylbenzene	13.612	105	284863	18.854	ug/l	100
86) p-Isopropyltoluene	13.729	119	238678	19.005	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	139515	18.451	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	137627	17.560	ug/l	100
89) n-Butylbenzene	14.053	91	192550	17.764	ug/l	99
90) Hexachloroethane	14.329	117	49134	17.083	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	134016	17.768	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17393	17.157	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	60944	17.385	ug/l	99
94) Hexachlorobutadiene	15.494	225	32965	17.713	ug/l	96
95) Naphthalene	15.641	128	169714	16.224	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	60838	17.152	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085721.D
Acq On : 10 Feb 2025 14:12
Operator : JC\MD
Sample : VN0210WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

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

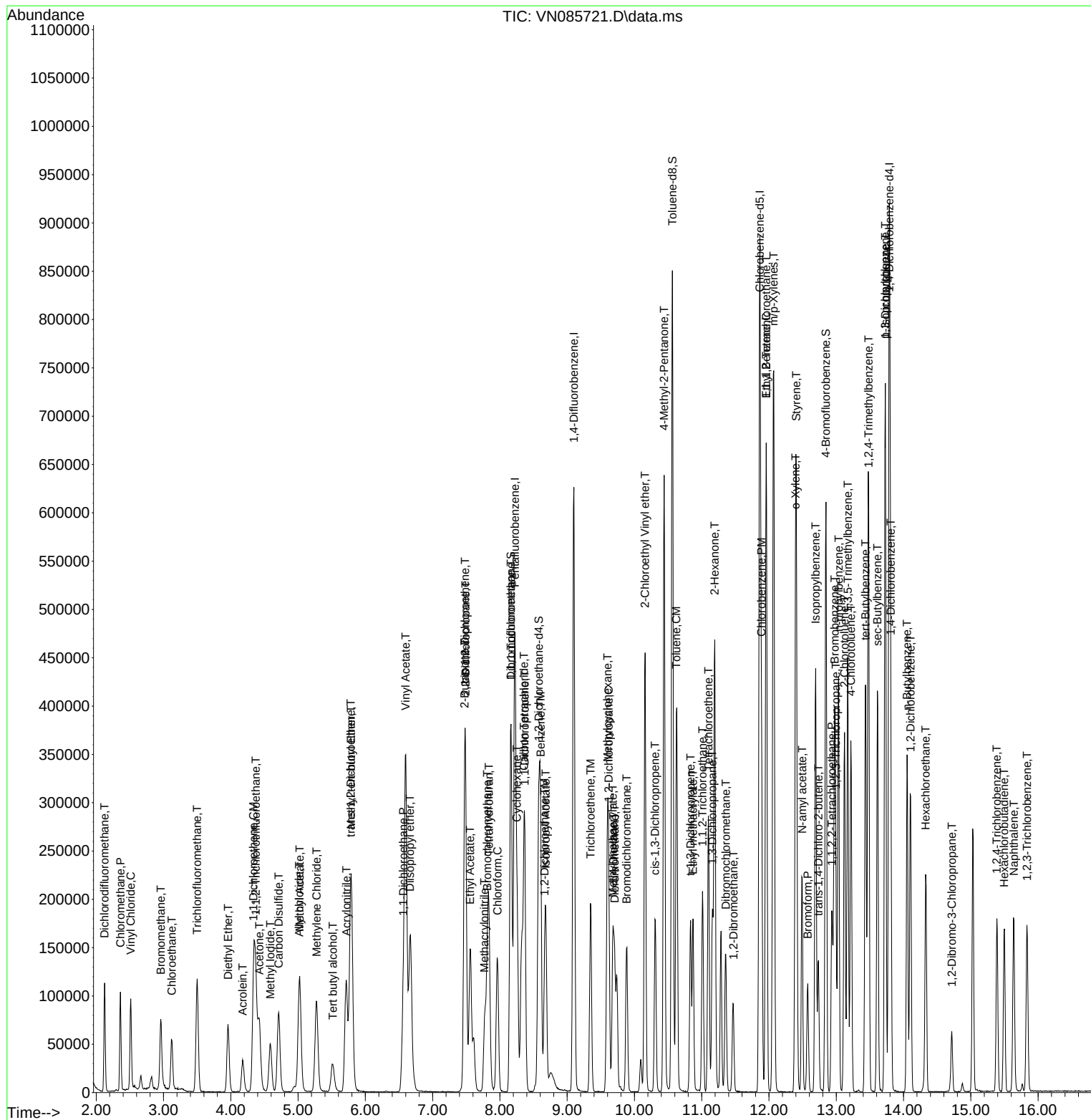
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Data File : VN085721.D
Acq On : 10 Feb 2025 14:12
Operator : JC\MD
Sample : VN0210WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

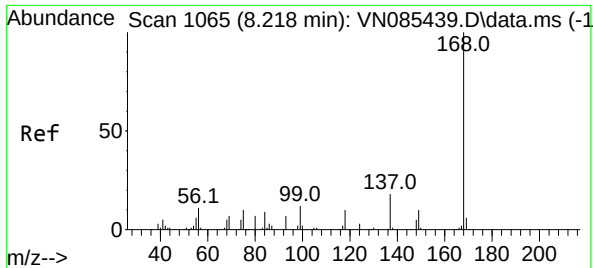
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration





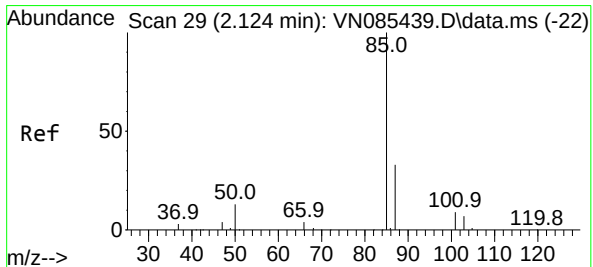
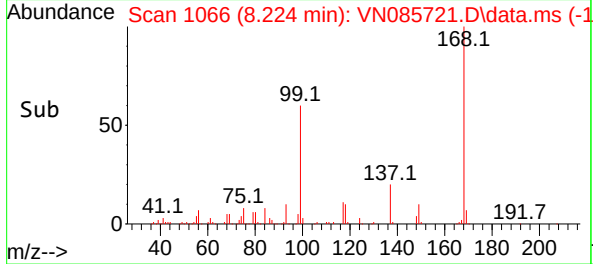
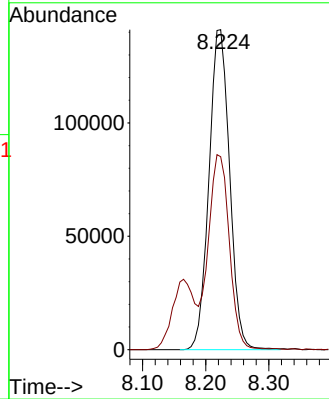
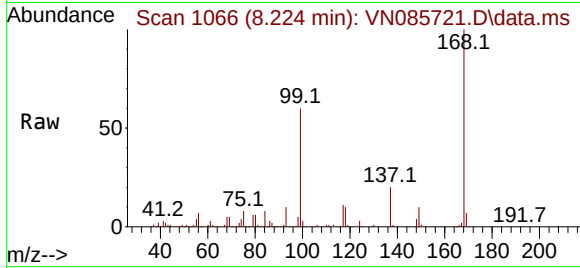
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tgt Ion:168 Resp: 320498
Ion Ratio Lower Upper
168 100
99 60.1 53.6 80.4

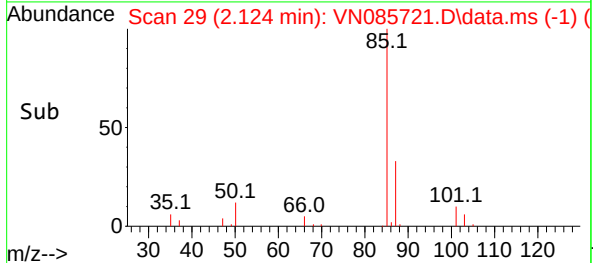
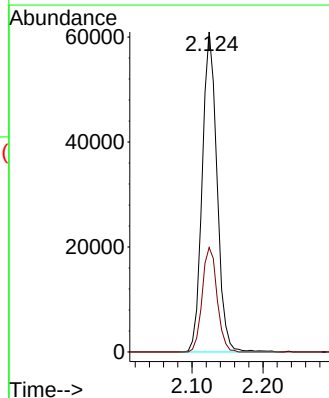
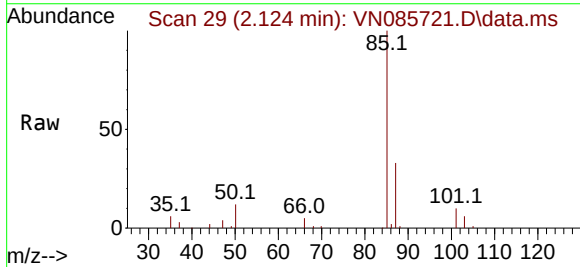
Manual Integrations
APPROVED

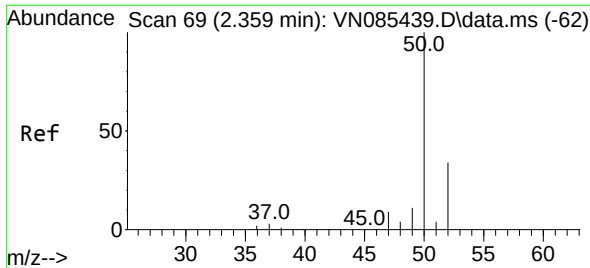
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 20.355 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Tgt Ion: 85 Resp: 88331
Ion Ratio Lower Upper
85 100
87 32.7 16.7 50.1





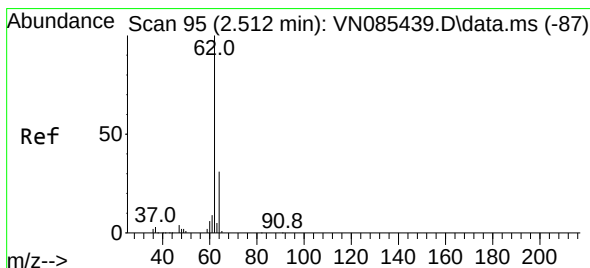
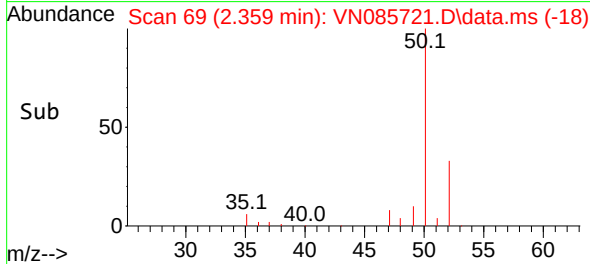
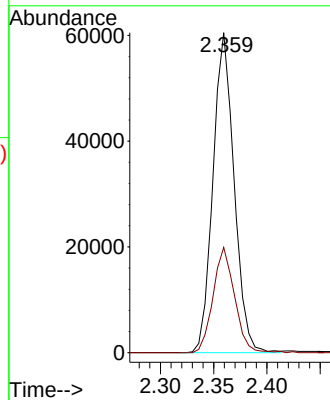
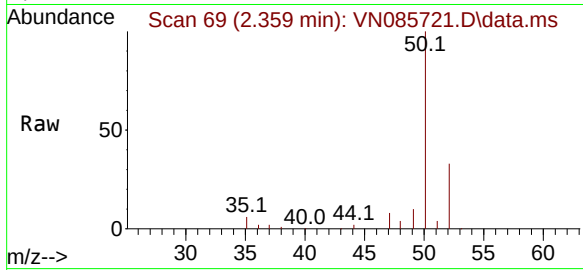
#3
Chloromethane
Concen: 17.735 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tgt Ion: 50 Resp: 83320
Ion Ratio Lower Upper
50 100
52 32.9 27.0 40.6

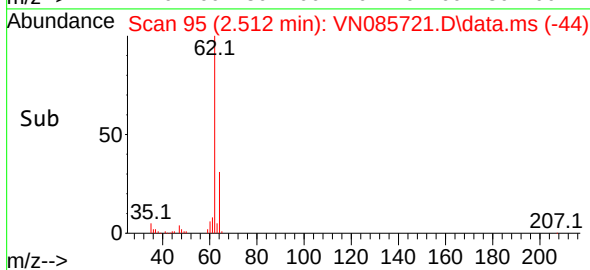
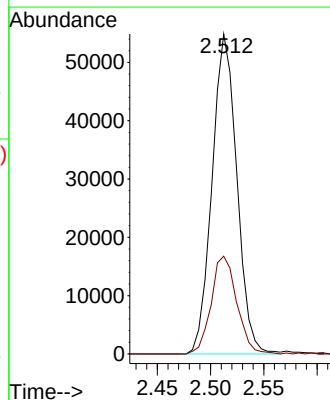
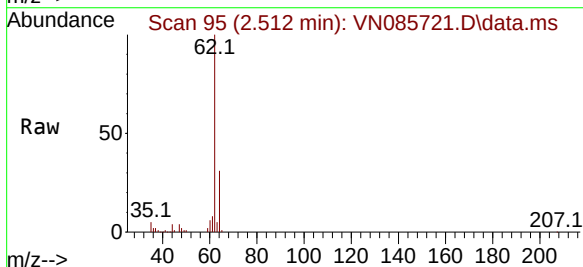
Manual Integrations
APPROVED

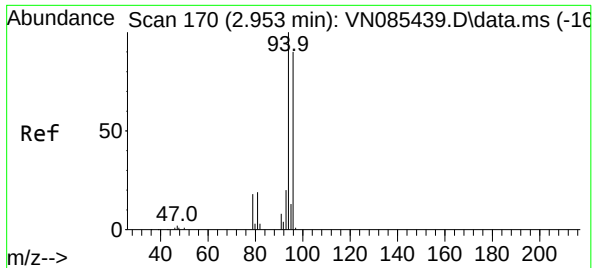
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 18.794 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

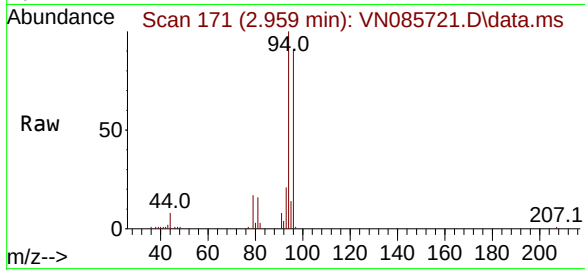
Tgt Ion: 62 Resp: 88754
Ion Ratio Lower Upper
62 100
64 30.6 24.8 37.2





#5
Bromomethane
Concen: 18.498 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

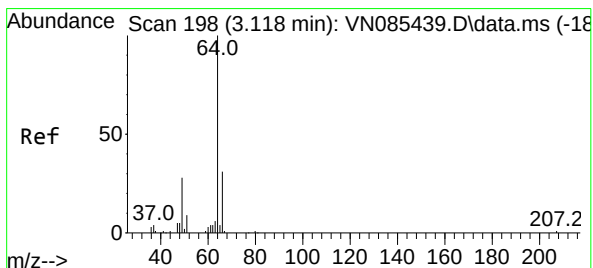
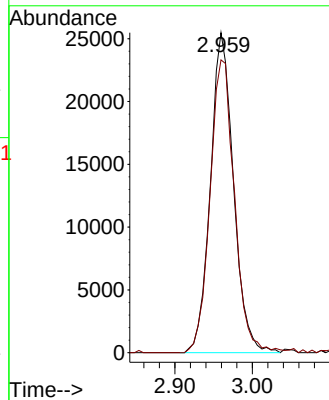
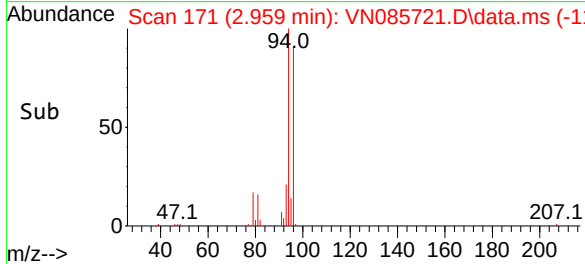
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion: 94 Resp: 52768
Ion Ratio Lower Upper
94 100
96 91.5 71.8 107.6

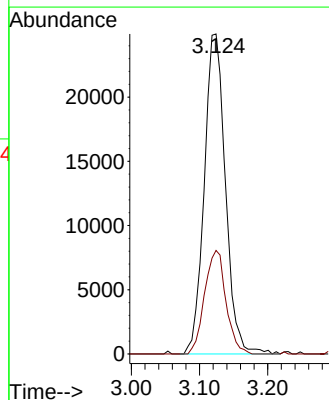
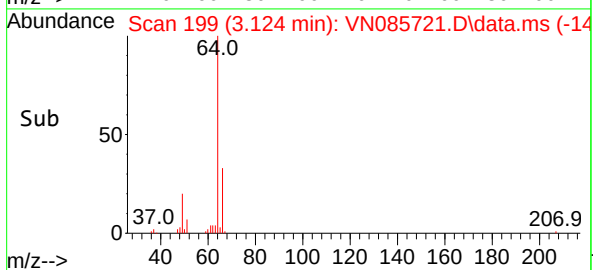
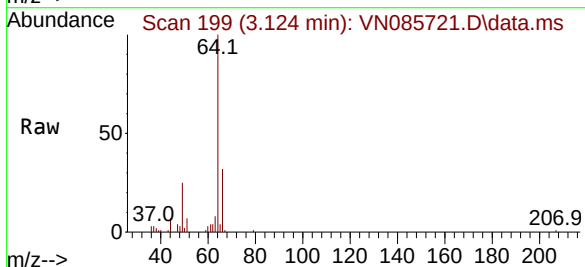
Manual Integrations
APPROVED

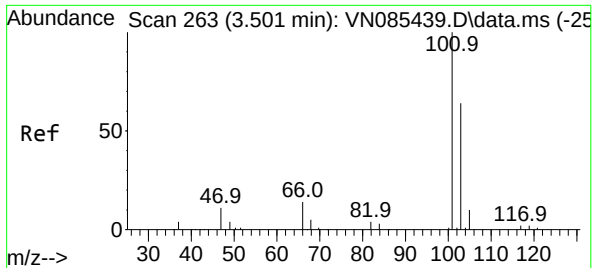
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 18.006 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

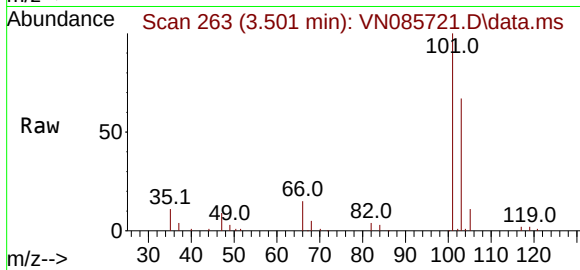
Tgt Ion: 64 Resp: 53912
Ion Ratio Lower Upper
64 100
66 32.4 24.6 36.8





#7
Trichlorofluoromethane
Concen: 17.985 ug/l
RT: 3.501 min Scan# 263
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

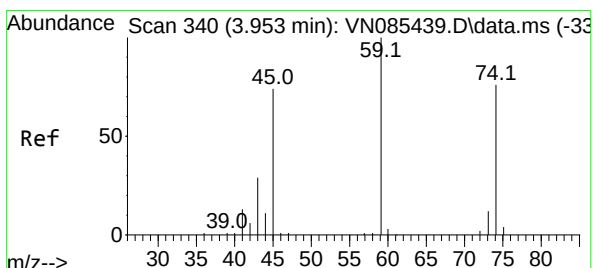
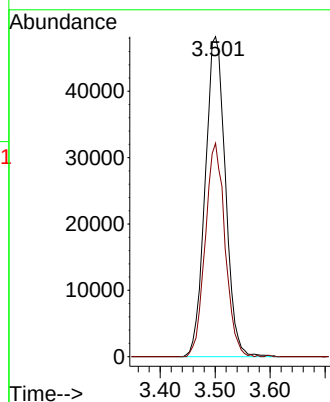
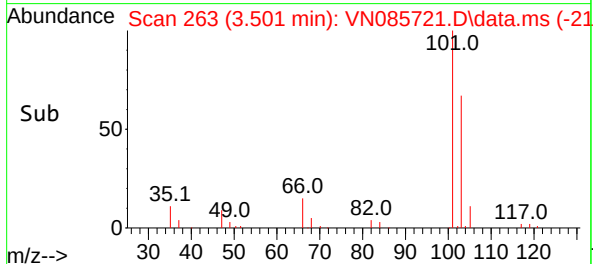
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion:101 Resp: 123240
Ion Ratio Lower Upper
101 100
103 66.7 51.4 77.2

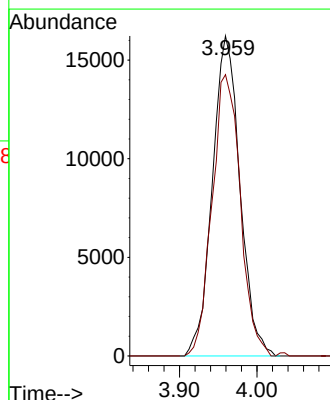
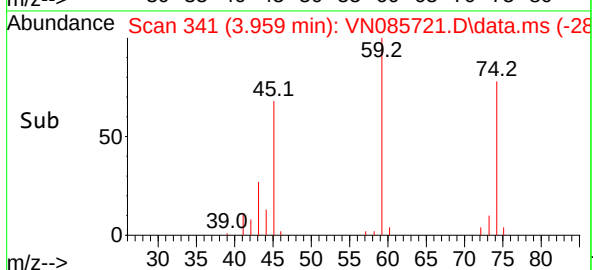
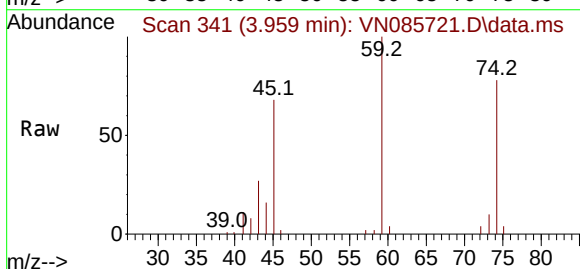
Manual Integrations
APPROVED

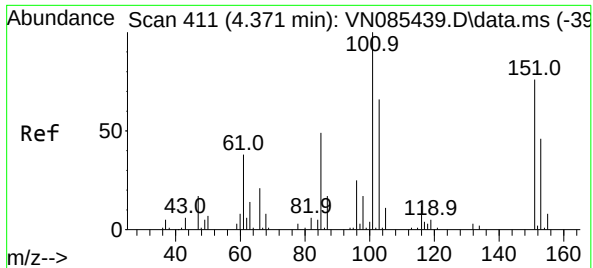
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 16.955 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Tgt Ion: 74 Resp: 40137
Ion Ratio Lower Upper
74 100
45 90.0 49.7 149.1





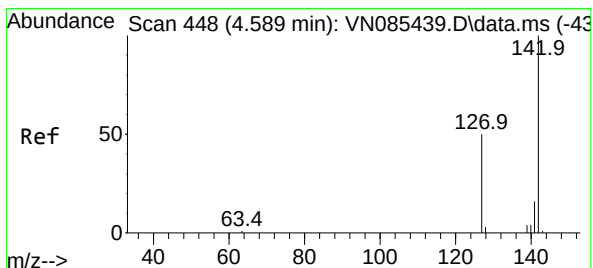
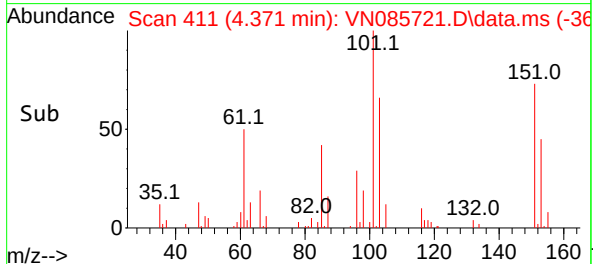
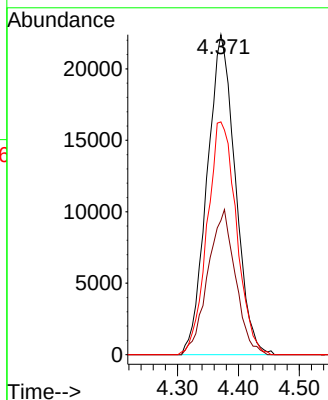
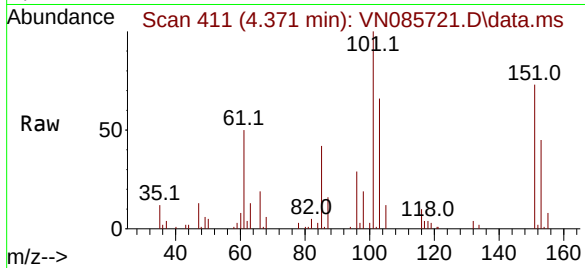
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.686 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tgt Ion:101 Resp: 72118
Ion Ratio Lower Upper
101 100
85 44.3 37.8 56.8
151 75.4 58.8 88.2

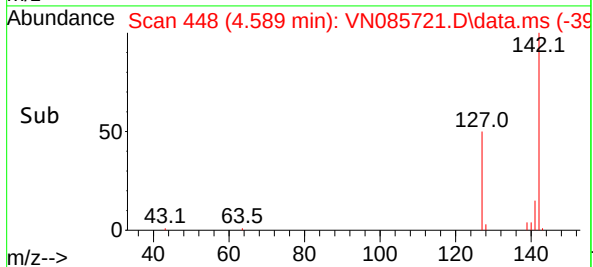
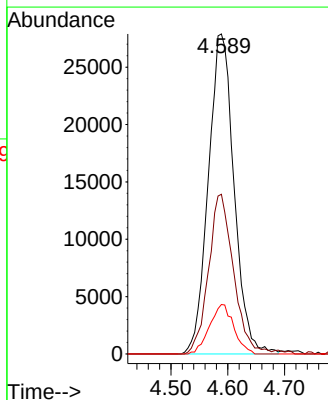
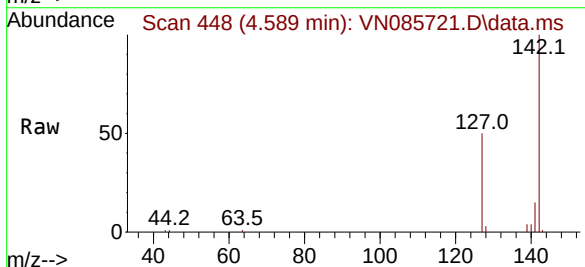
Manual Integrations
APPROVED

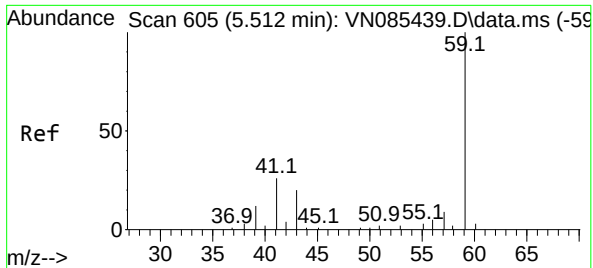
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#10
Methyl Iodide
Concen: 19.856 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Tgt Ion:142 Resp: 87760
Ion Ratio Lower Upper
142 100
127 49.9 40.3 60.5
141 15.4 12.8 19.2





#11

Tert butyl alcohol

Concen: 86.717 ug/l

RT: 5.518 min Scan# 605

Delta R.T. 0.006 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tgt Ion: 59 Resp: 5137

Ion Ratio Lower Upper

59 100

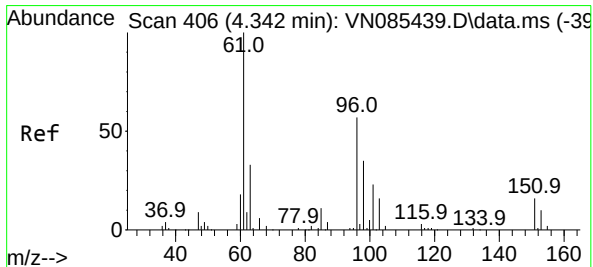
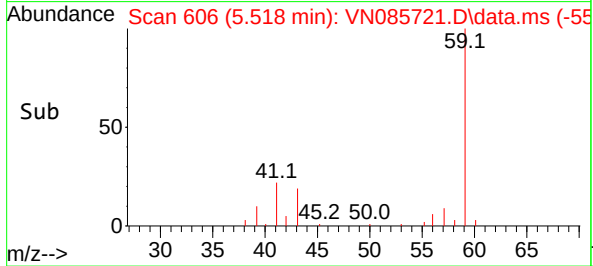
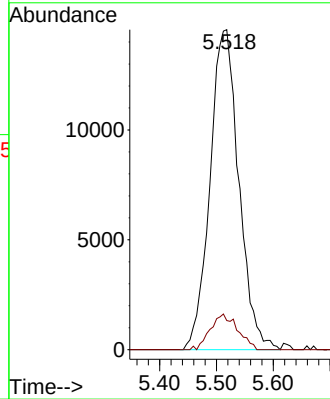
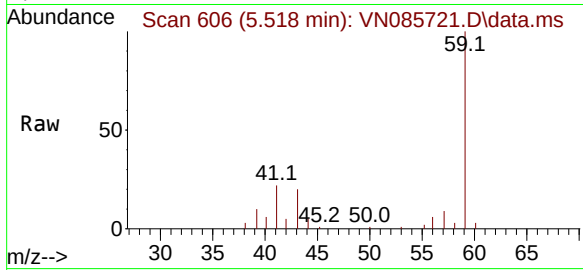
57 10.6 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#12

1,1-Dichloroethene

Concen: 18.897 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.006 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

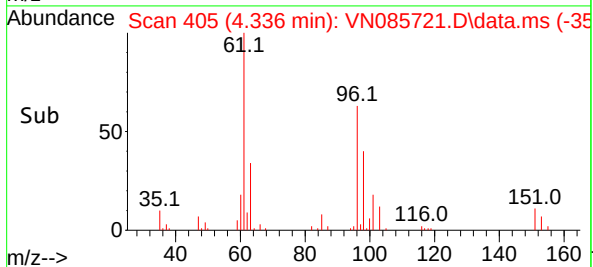
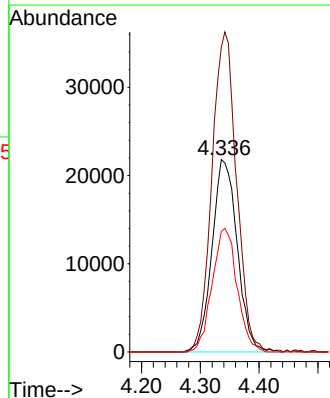
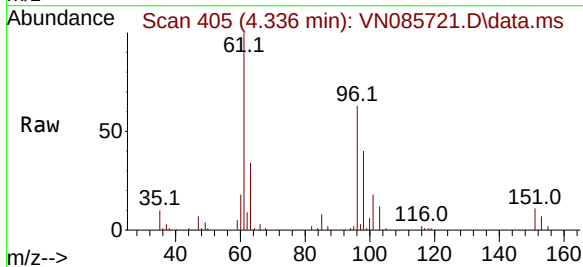
Tgt Ion: 96 Resp: 65001

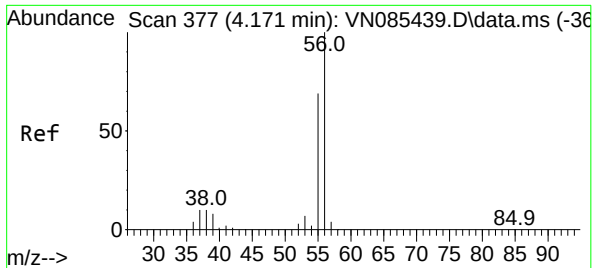
Ion Ratio Lower Upper

96 100

61 158.4 141.0 211.4

98 62.6 49.0 73.6





#13

Acrolein

Concen: 50.621 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tgt Ion: 56 Resp: 40936

Ion Ratio Lower Upper

56 100

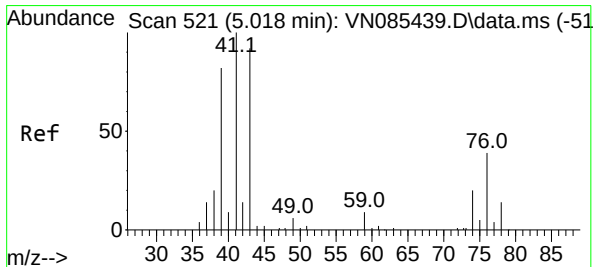
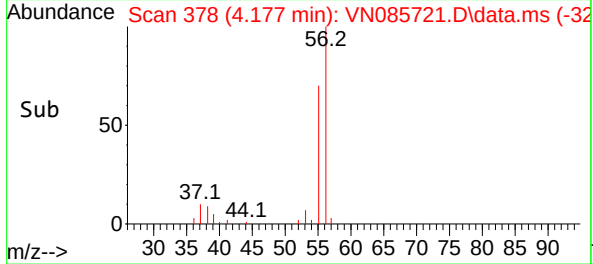
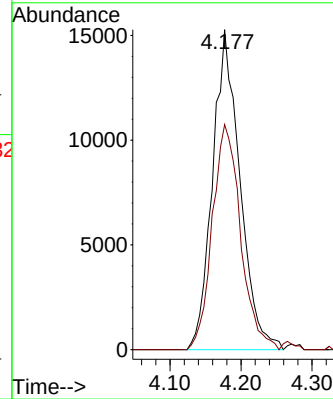
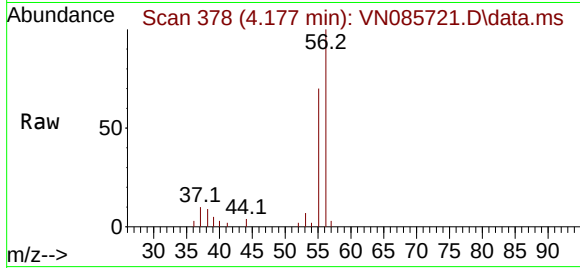
55 72.6 56.3 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 15.400 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

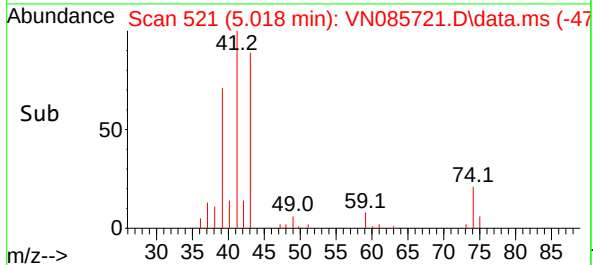
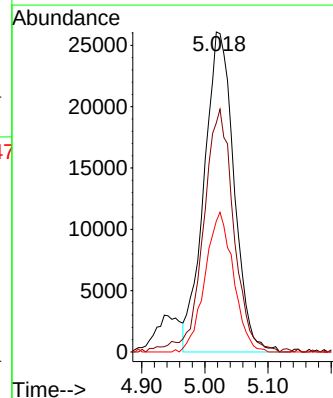
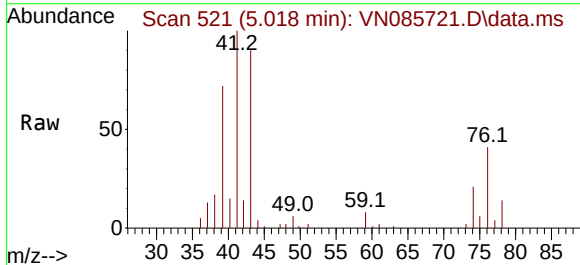
Tgt Ion: 41 Resp: 85957

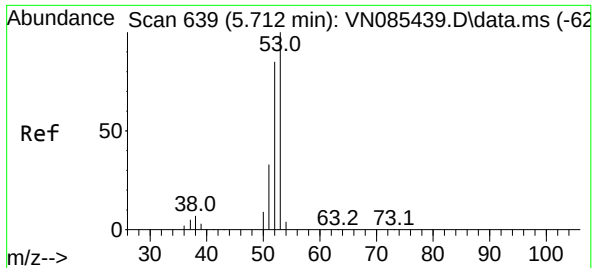
Ion Ratio Lower Upper

41 100

39 77.0 64.4 96.6

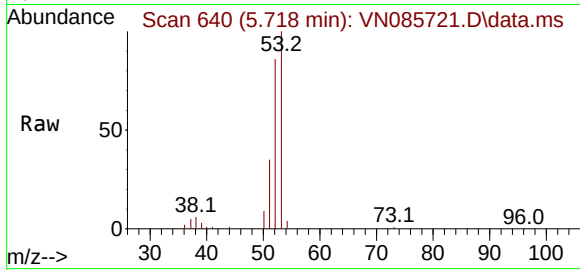
76 41.4 30.5 45.7





#15
Acrylonitrile
Concen: 82.735 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

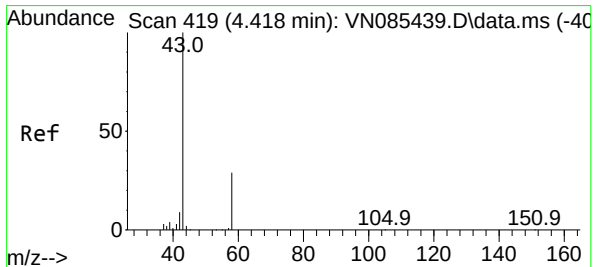
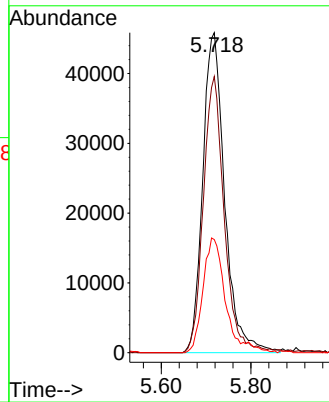
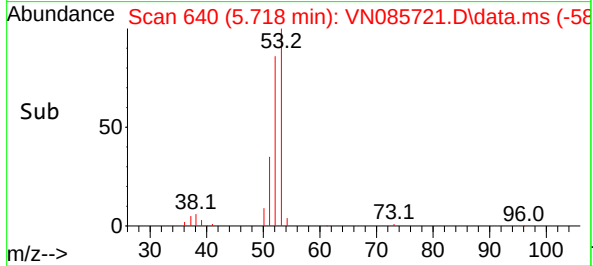
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion: 53 Resp: 155679
Ion Ratio Lower Upper
53 100
52 82.5 65.5 98.3
51 36.7 29.8 44.8

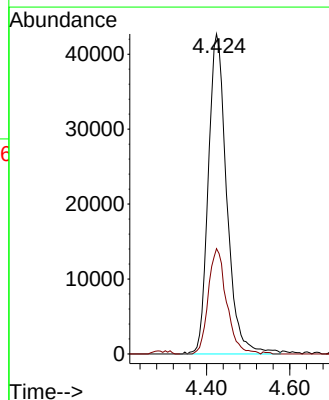
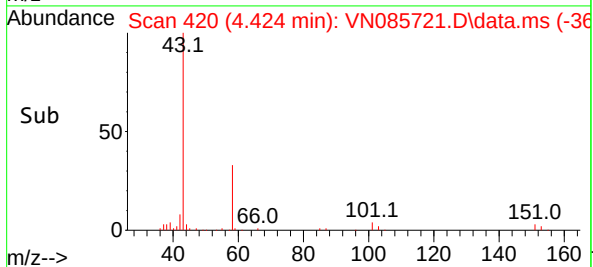
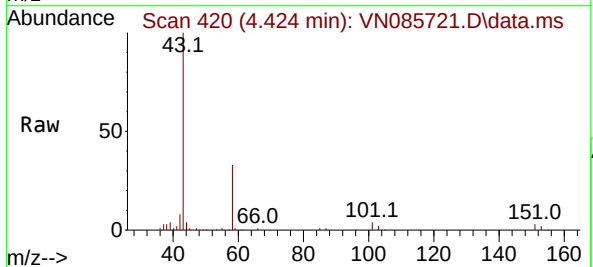
Manual Integrations
APPROVED

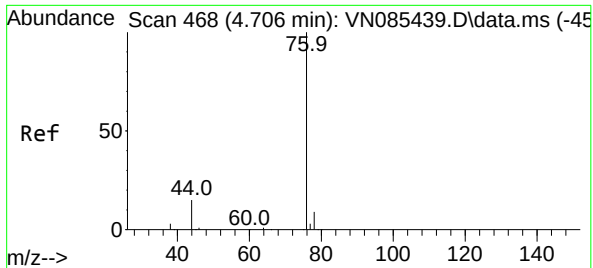
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#16
Acetone
Concen: 78.628 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

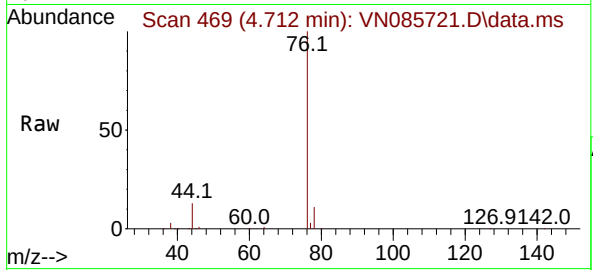
Tgt Ion: 43 Resp: 131435
Ion Ratio Lower Upper
43 100
58 32.9 23.8 35.6





#17
Carbon Disulfide
Concen: 18.023 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

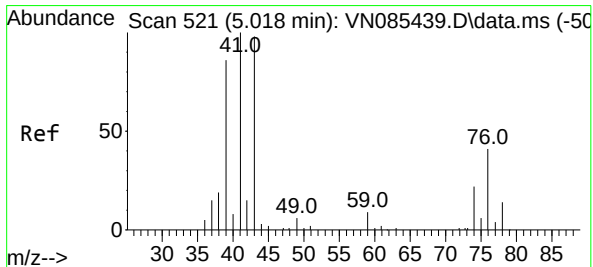
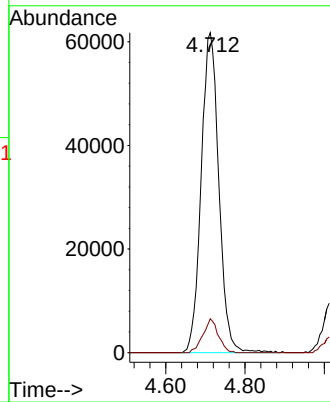
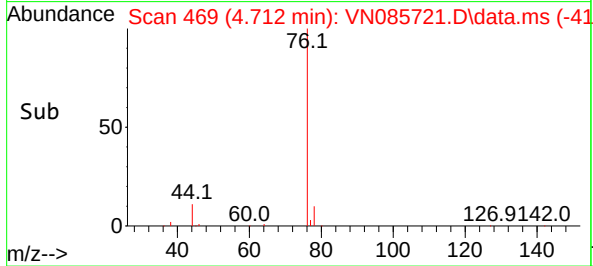
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion: 76 Resp: 190875
Ion Ratio Lower Upper
76 100
78 10.6 6.9 10.3

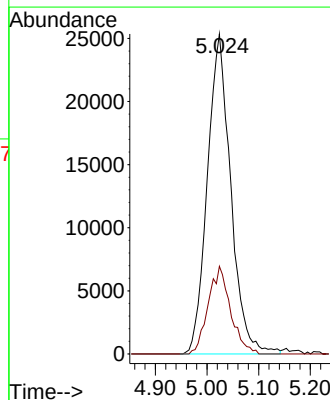
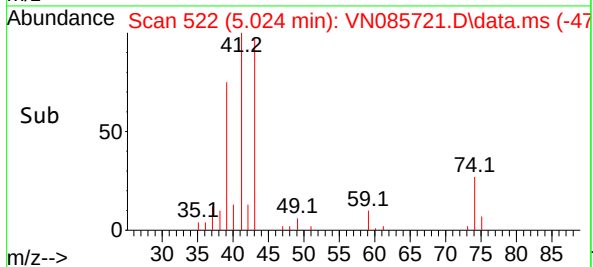
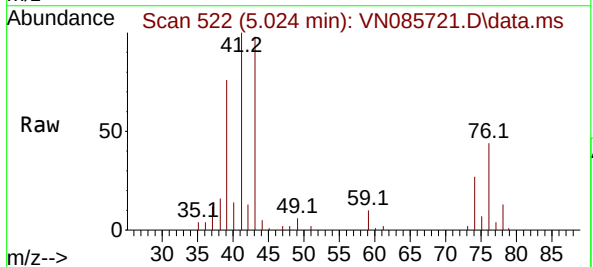
Manual Integrations
APPROVED

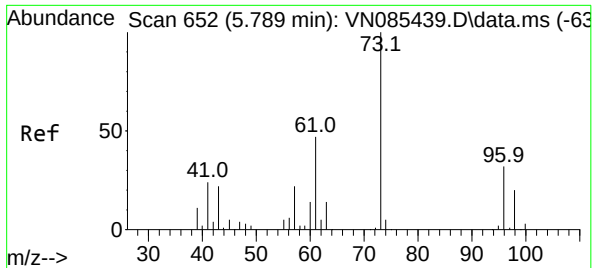
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#18
Methyl Acetate
Concen: 15.690 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Tgt Ion: 43 Resp: 79755
Ion Ratio Lower Upper
43 100
74 26.1 18.6 28.0





#19

Methyl tert-butyl Ether

Concen: 17.914 ug/l

RT: 5.789 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tgt Ion: 73 Resp: 20008

Ion Ratio Lower Upper

73 100

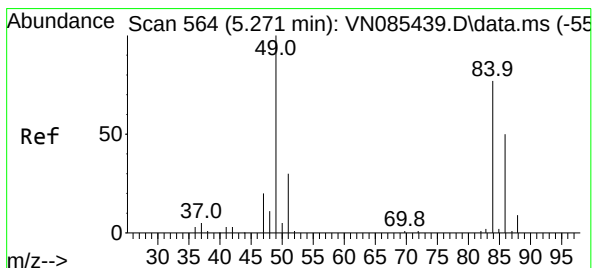
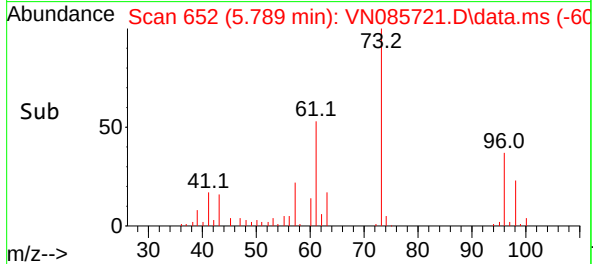
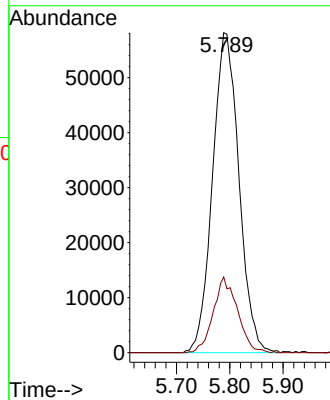
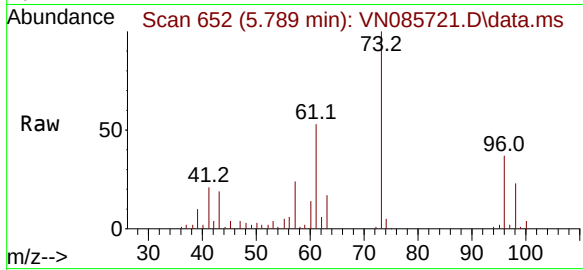
57 23.6 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#20

Methylene Chloride

Concen: 18.188 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Tgt Ion: 84 Resp: 75264

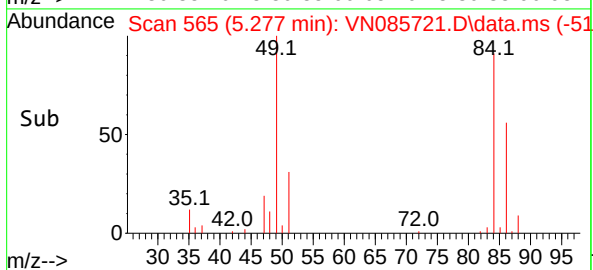
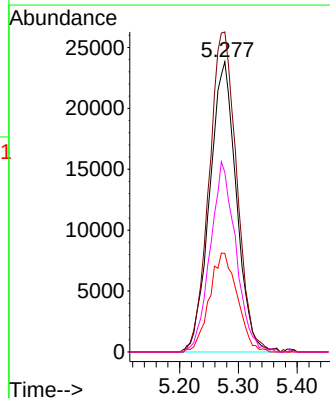
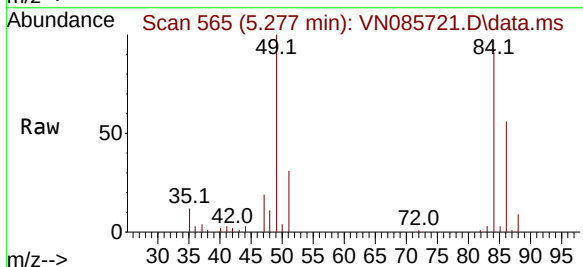
Ion Ratio Lower Upper

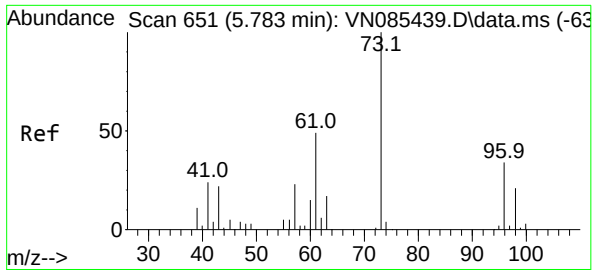
84 100

49 110.2 104.1 156.1

51 33.9 31.0 46.4

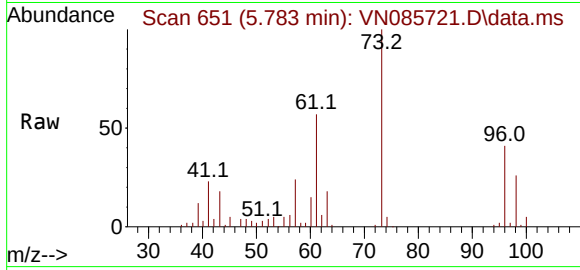
86 61.9 51.9 77.9





#21
trans-1,2-Dichloroethene
Concen: 18.539 ug/l
RT: 5.783 min Scan# 651
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

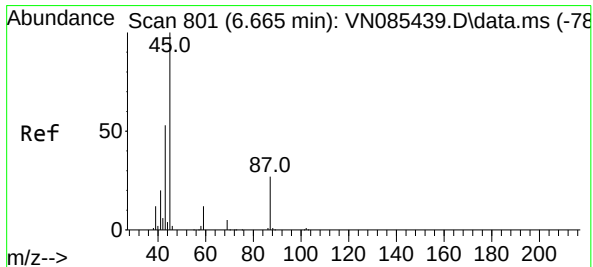
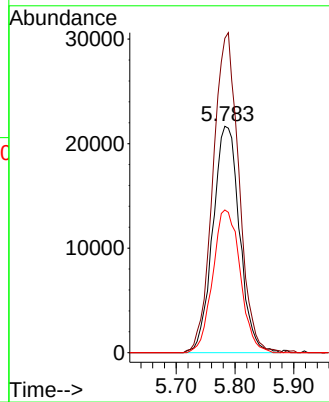
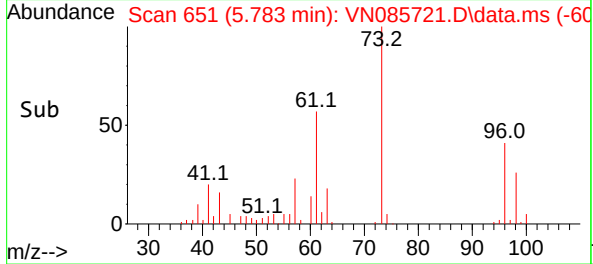
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion: 96 Resp: 68149
Ion Ratio Lower Upper
96 100
61 138.8 115.7 173.5
98 63.0 49.8 74.8

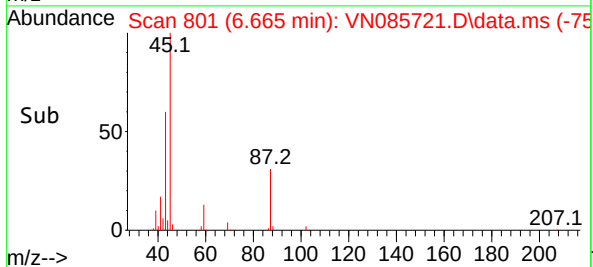
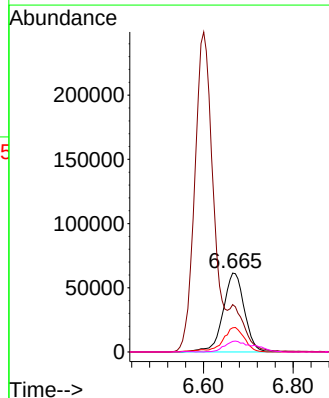
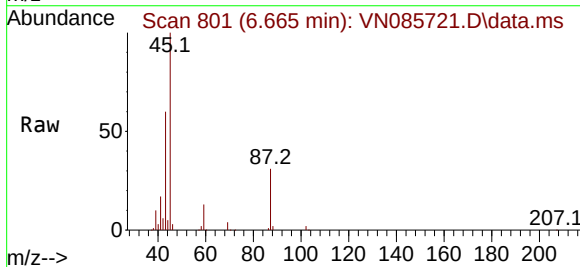
Manual Integrations
APPROVED

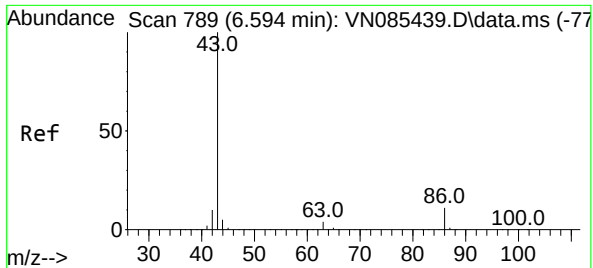
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#22
Diisopropyl ether
Concen: 16.367 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Tgt Ion: 45 Resp: 202767
Ion Ratio Lower Upper
45 100
43 58.9 45.0 67.6
87 30.7 21.8 32.8
59 13.3 10.2 15.2





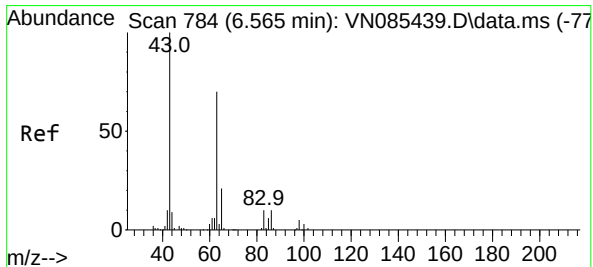
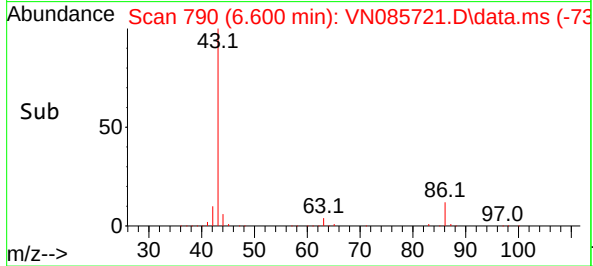
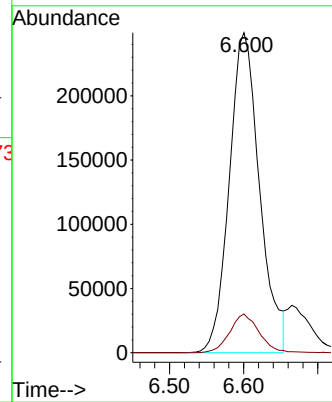
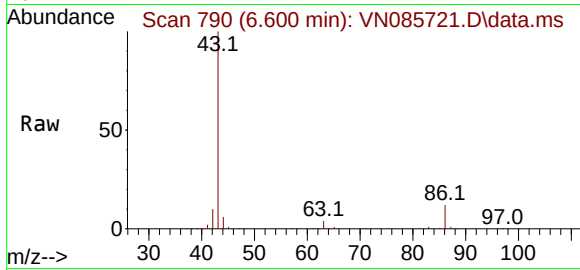
#23
 Vinyl Acetate
 Concen: 81.875 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. 0.006 min
 Lab File: VN085721.D
 Acq: 10 Feb 2025 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS01

Tgt Ion: 43 Resp: 709850
 Ion Ratio Lower Upper
 43 100
 86 12.1 8.4 12.6

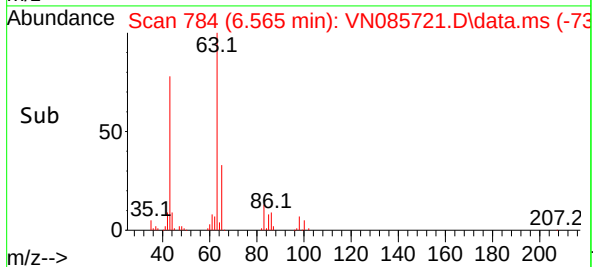
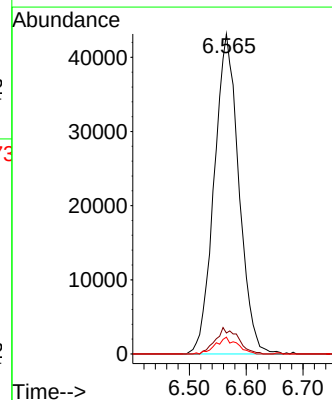
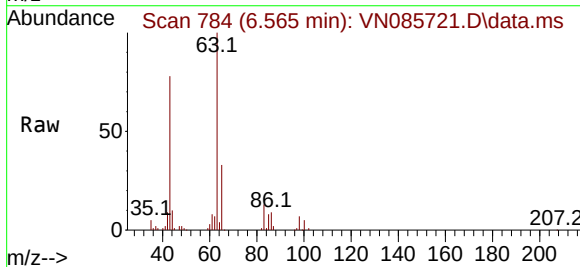
Manual Integrations
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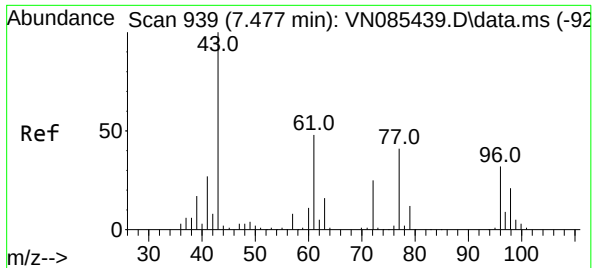
Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025



#24
 1,1-Dichloroethane
 Concen: 17.220 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: VN085721.D
 Acq: 10 Feb 2025 14:12

Tgt Ion: 63 Resp: 130079
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 5.3 2.0 6.0





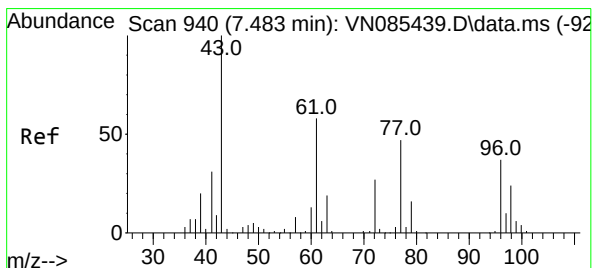
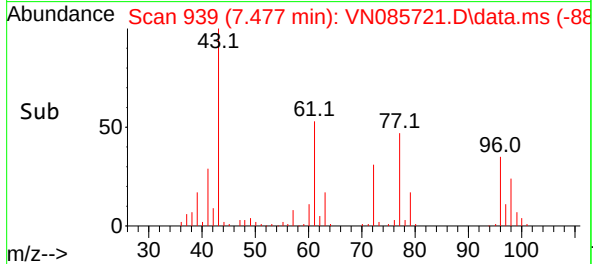
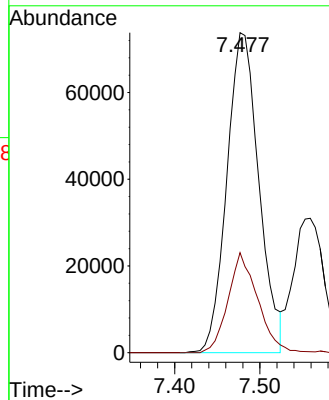
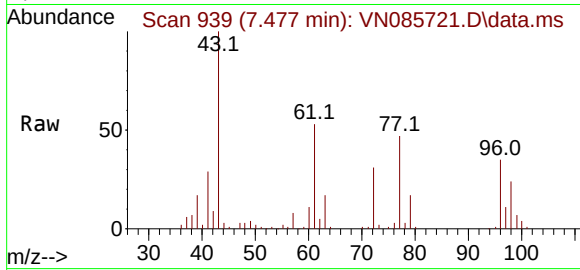
#25
2-Butanone
Concen: 78.456 ug/l
RT: 7.477 min Scan# 910
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tgt Ion: 43 Resp: 192994
Ion Ratio Lower Upper
43 100
72 31.3 20.2 30.4

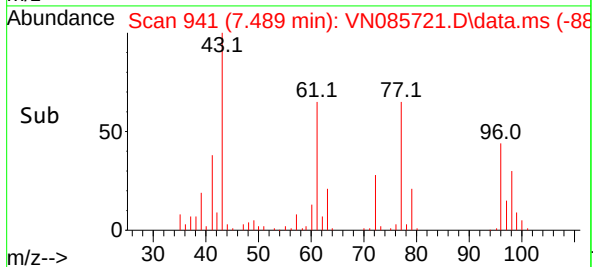
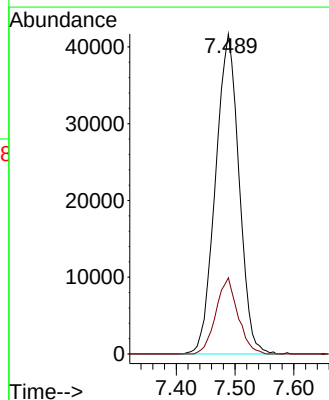
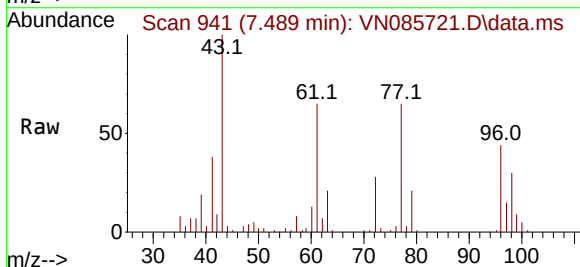
Manual Integrations
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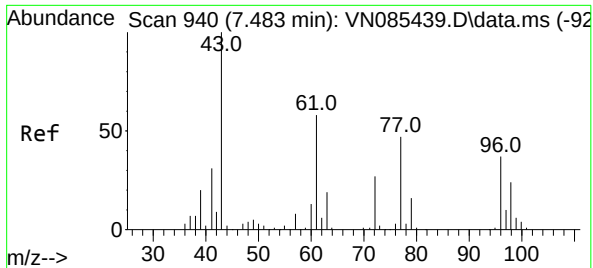
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#26
2,2-Dichloropropane
Concen: 18.999 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

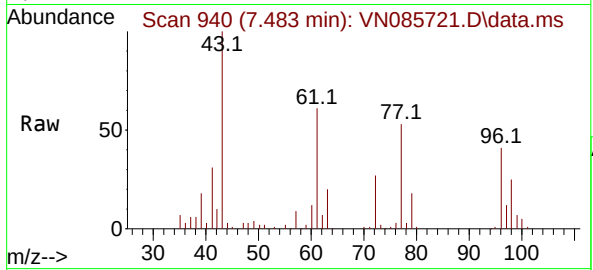
Tgt Ion: 77 Resp: 116035
Ion Ratio Lower Upper
77 100
97 22.2 10.7 32.1





#27
cis-1,2-Dichloroethene
Concen: 17.843 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

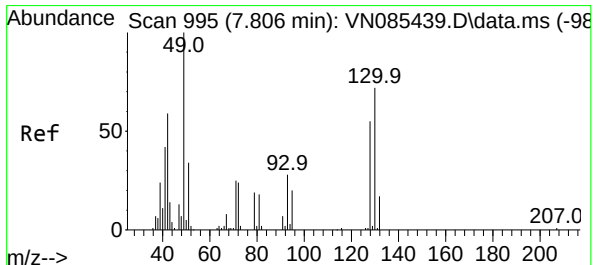
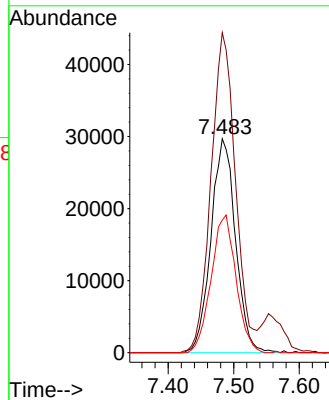
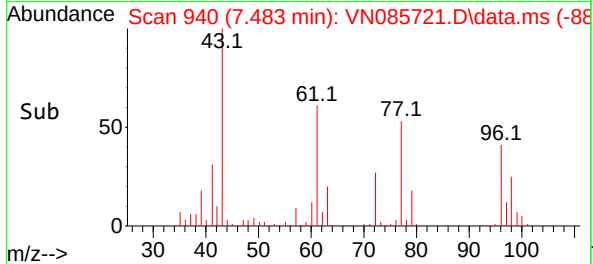
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion: 96 Resp: 7725
Ion Ratio Lower Upper
96 100
61 149.4 0.0 311.8
98 65.2 0.0 126.0

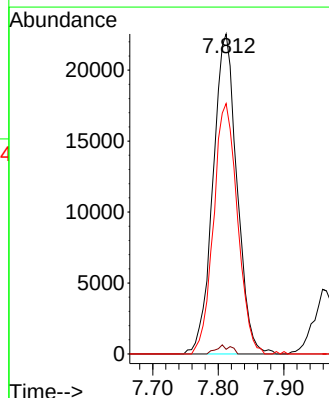
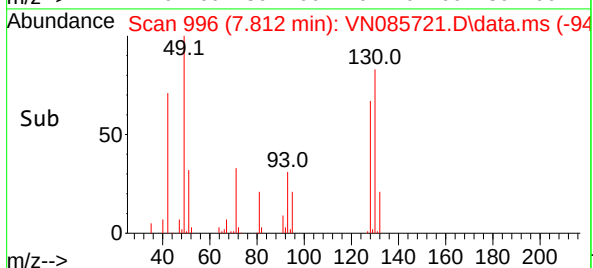
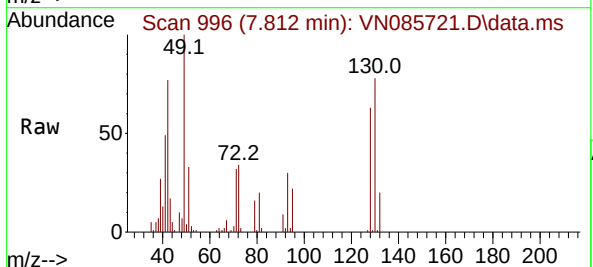
Manual Integrations
APPROVED

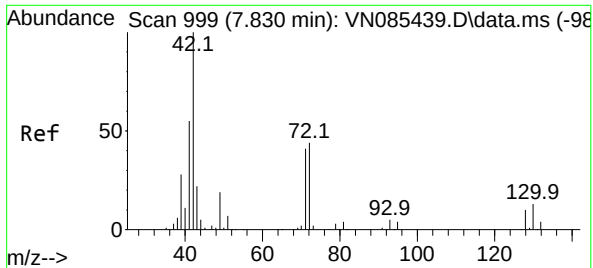
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#28
Bromochloromethane
Concen: 16.315 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Tgt Ion: 49 Resp: 57336
Ion Ratio Lower Upper
49 100
129 1.7 0.0 4.4
130 77.9 55.0 82.4





#29

Tetrahydrofuran

Concen: 81.095 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tgt Ion: 42 Resp: 12647

Ion Ratio Lower Upper

42 100

72 48.4 34.2 51.2

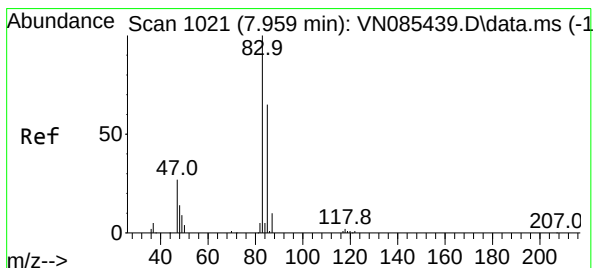
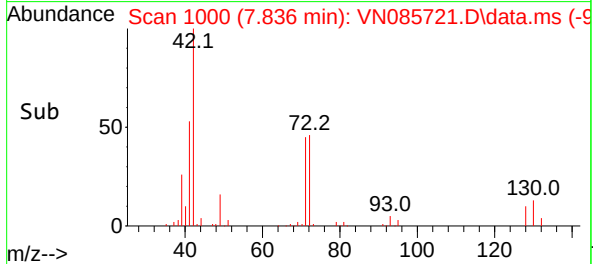
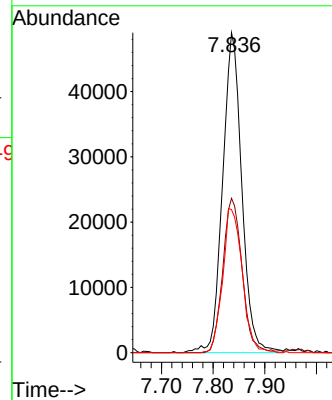
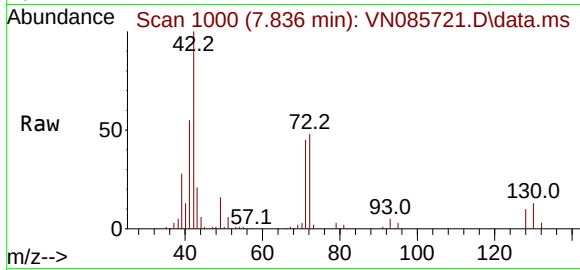
71 45.9 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 17.374 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085721.D

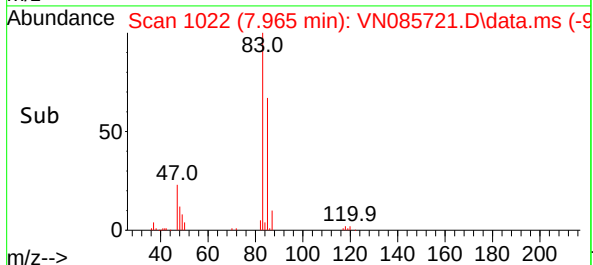
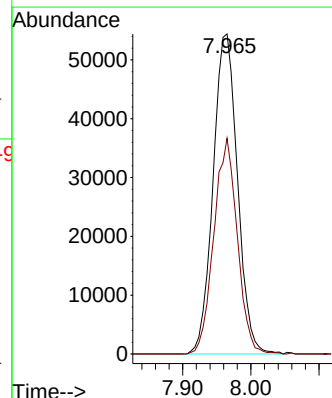
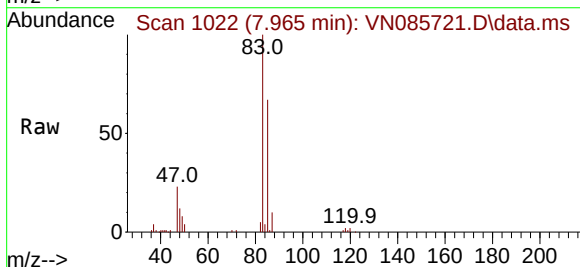
Acq: 10 Feb 2025 14:12

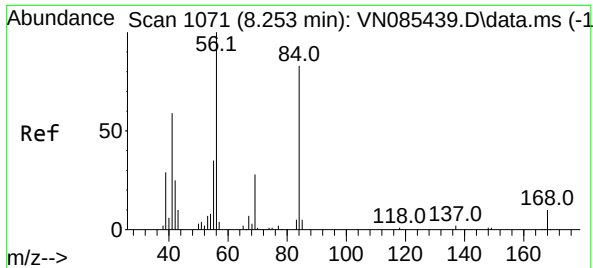
Tgt Ion: 83 Resp: 135647

Ion Ratio Lower Upper

83 100

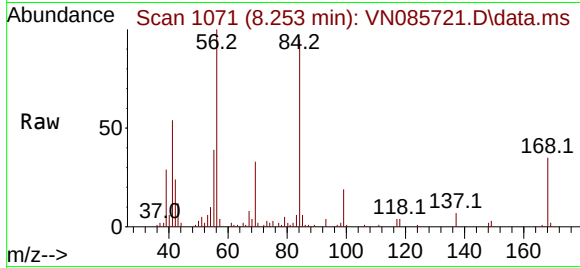
85 67.4 51.8 77.6





#31
Cyclohexane
Concen: 16.583 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

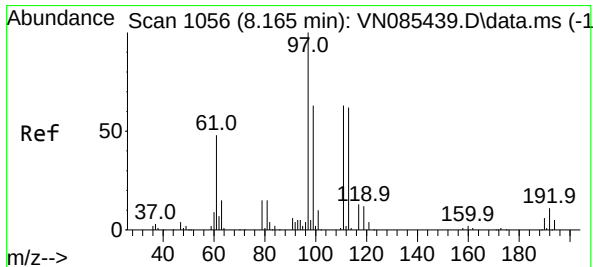
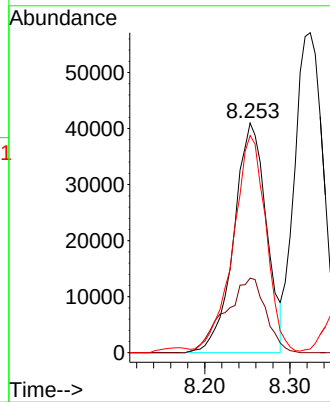
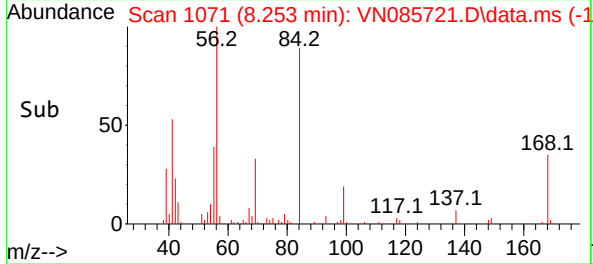
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion: 56 Resp: 10888
Ion Ratio Lower Upper
56 100
69 32.5 22.2 33.4
84 92.5 66.4 99.6

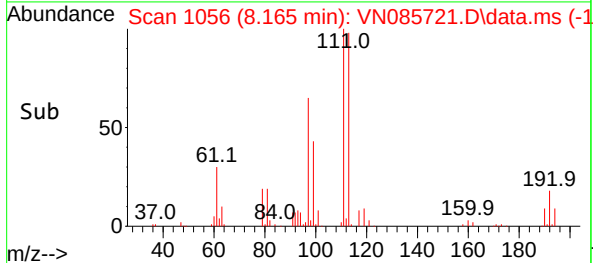
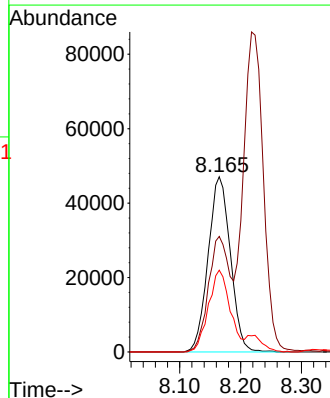
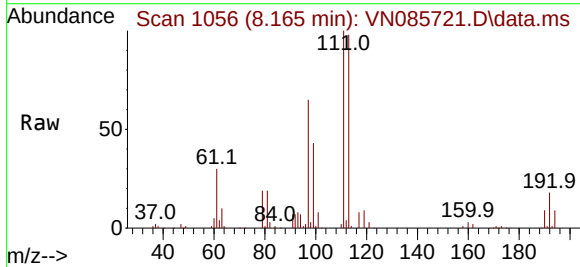
Manual Integrations
APPROVED

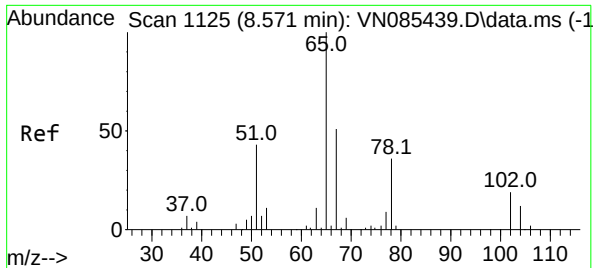
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#32
1,1,1-Trichloroethane
Concen: 17.458 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Tgt Ion: 97 Resp: 119557
Ion Ratio Lower Upper
97 100
99 64.3 49.8 74.6
61 45.9 41.4 62.2





#33

1,2-Dichloroethane-d4

Concen: 39.286 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tgt Ion: 65 Resp: 203240

Ion Ratio Lower Upper

65 100

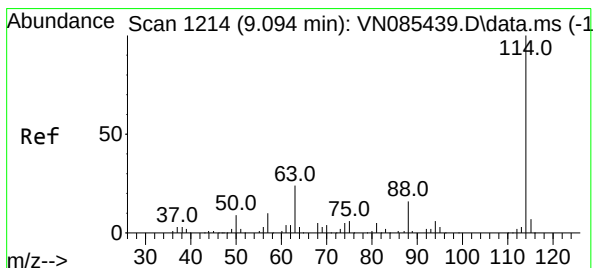
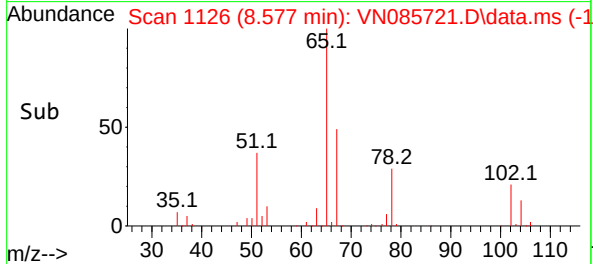
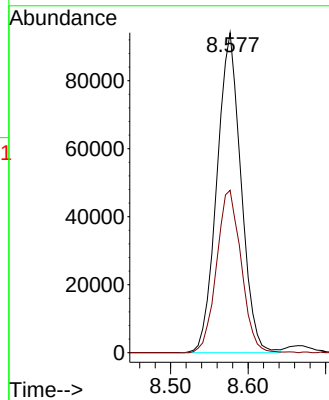
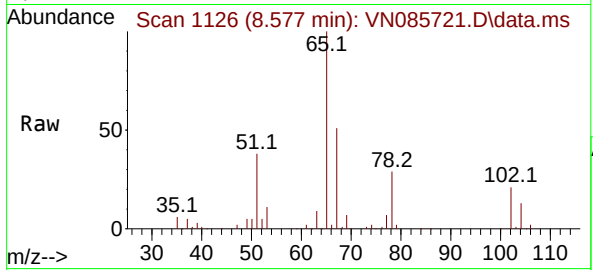
67 52.0 0.0 101.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

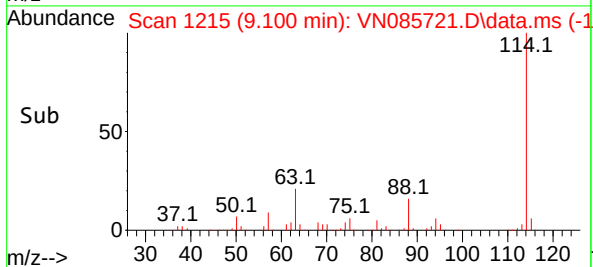
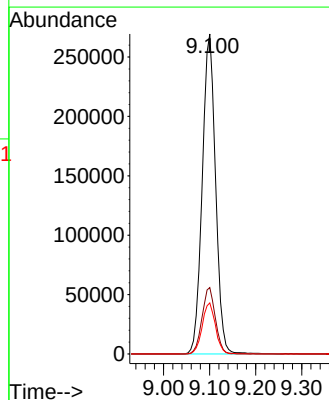
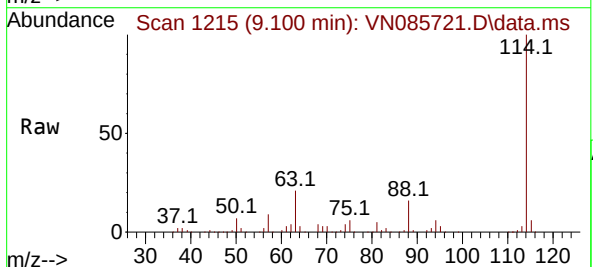
Tgt Ion:114 Resp: 543900

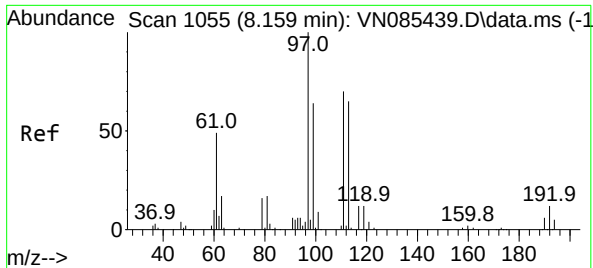
Ion Ratio Lower Upper

114 100

63 20.7 0.0 47.6

88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 44.520 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tgt Ion:113 Resp: 167990

Ion Ratio Lower Upper

113 100

111 102.8 82.7 124.1

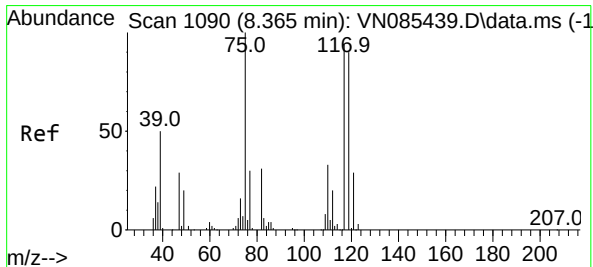
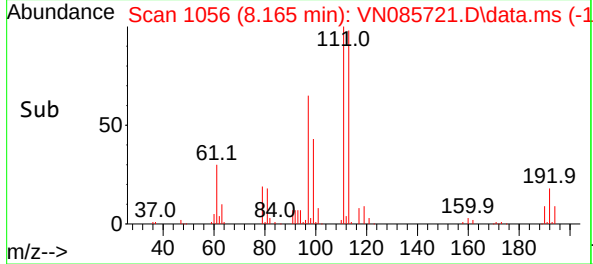
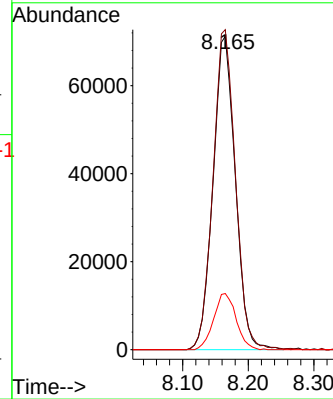
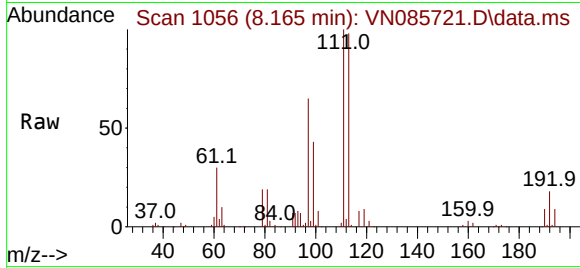
192 18.1 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 17.665 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

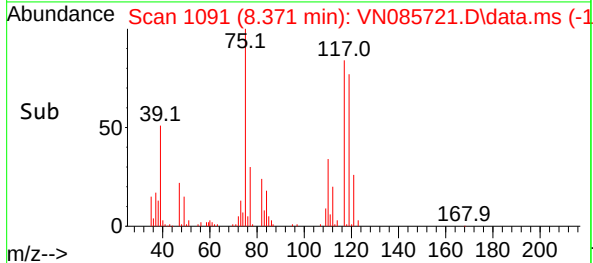
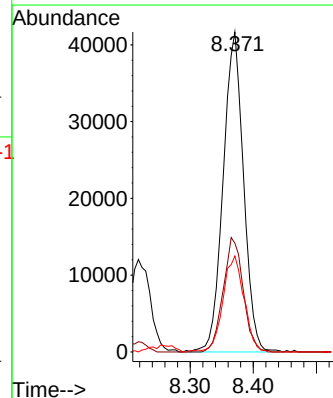
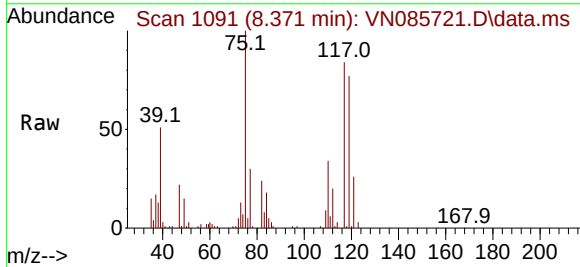
Tgt Ion: 75 Resp: 93549

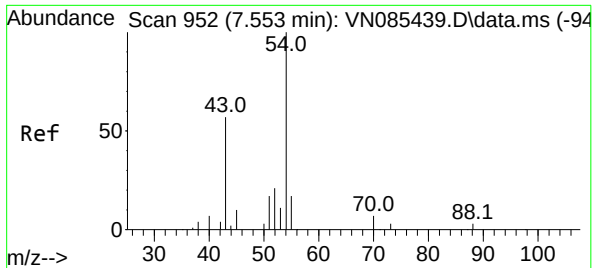
Ion Ratio Lower Upper

75 100

110 35.0 16.5 49.5

77 31.1 24.4 36.6





#37

Ethyl Acetate

Concen: 14.933 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tgt Ion: 43 Resp: 7982

Ion Ratio Lower Upper

43 100

61 15.2 10.9 16.3

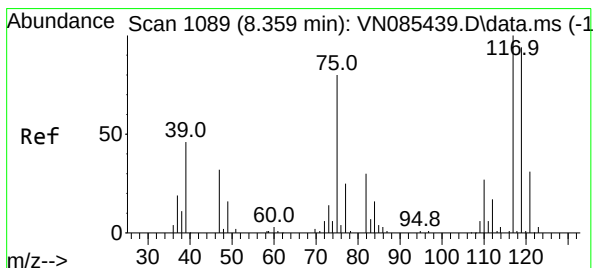
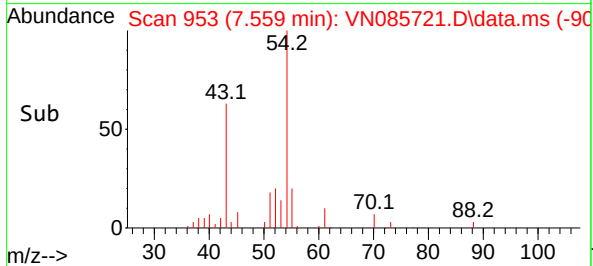
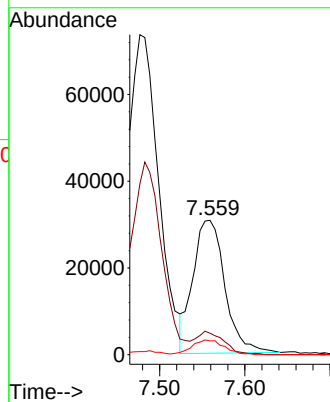
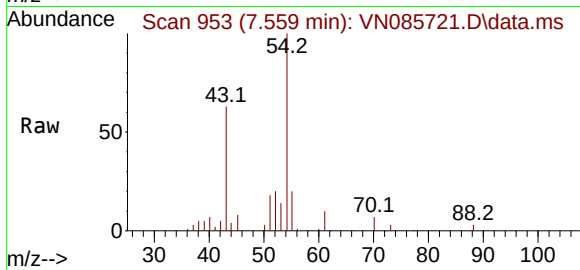
70 11.1 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 18.030 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

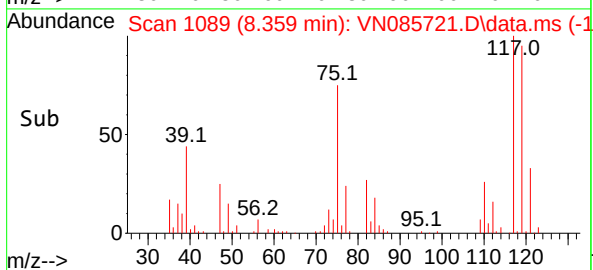
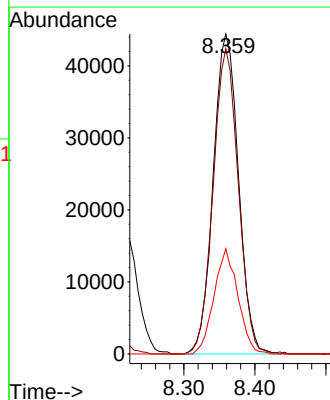
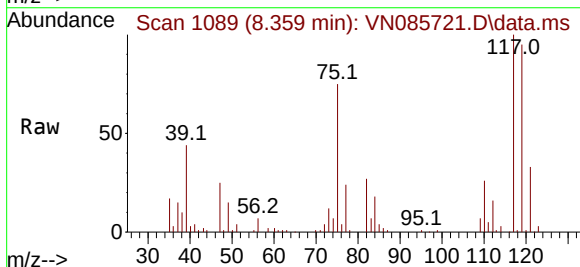
Tgt Ion:117 Resp: 109315

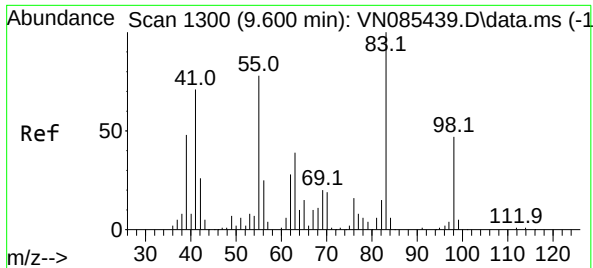
Ion Ratio Lower Upper

117 100

119 95.4 75.4 113.2

121 32.9 24.6 37.0





#39

Methylcyclohexane

Concen: 18.470 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

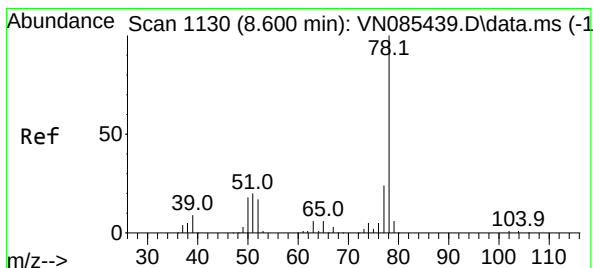
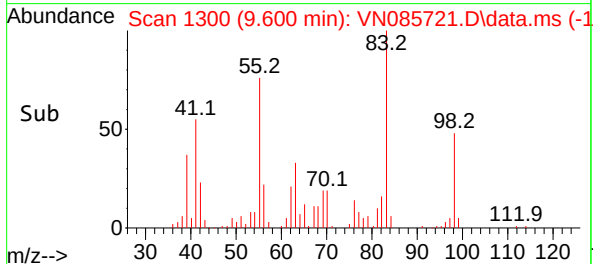
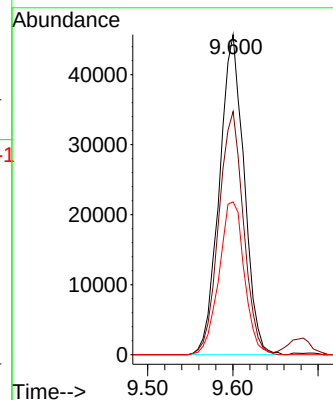
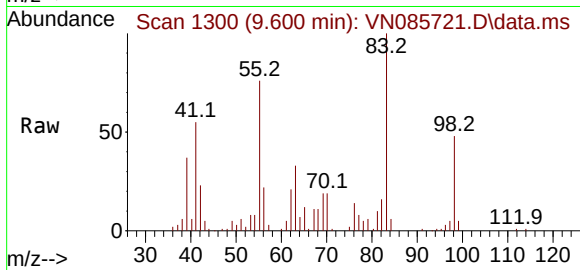
Tgt Ion:	83	Resp:	9191
Ion Ratio	Lower	Upper	
83	100		
55	76.0	62.6	94.0
98	47.8	37.7	56.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 18.255 ug/l

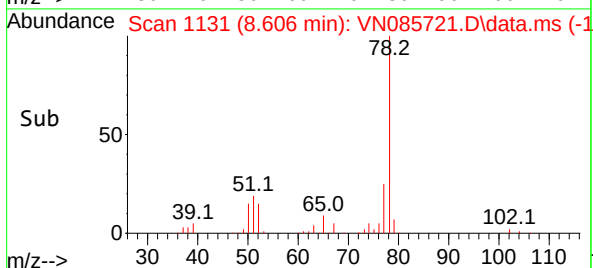
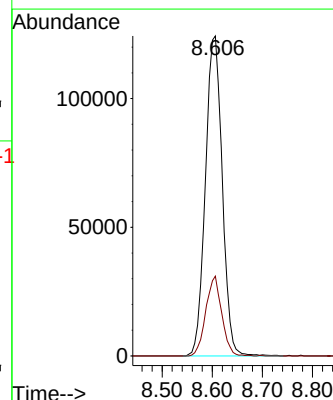
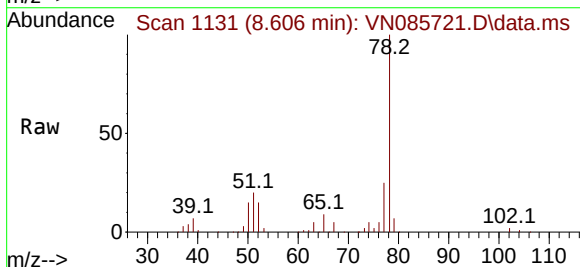
RT: 8.606 min Scan# 1131

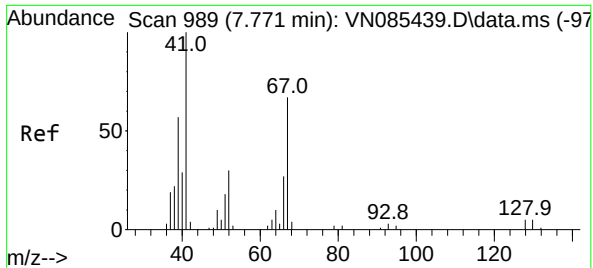
Delta R.T. 0.006 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

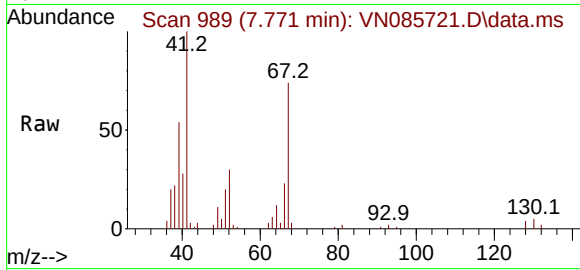
Tgt Ion:	78	Resp:	290473
Ion Ratio	Lower	Upper	
78	100		
77	25.0	19.0	28.6





#41
Methacrylonitrile
Concen: 15.484 ug/l
RT: 7.771 min Scan# 989
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

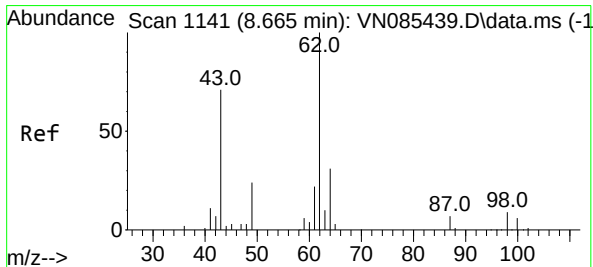
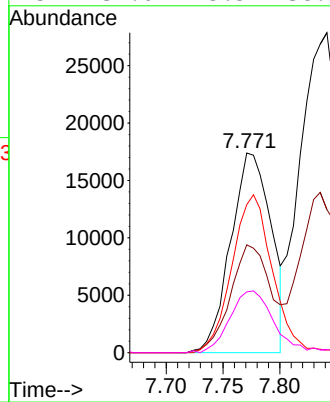
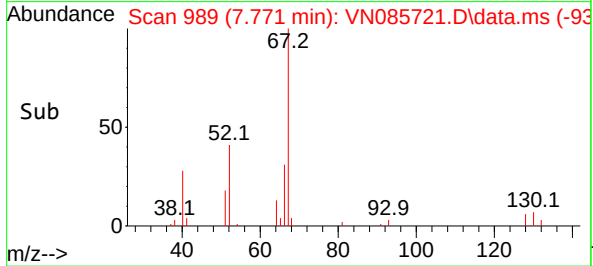
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion: 41 Resp: 43060
Ion Ratio Lower Upper
41 100
39 53.2 46.0 69.0
67 79.2 57.4 86.2
52 34.0 25.5 38.3

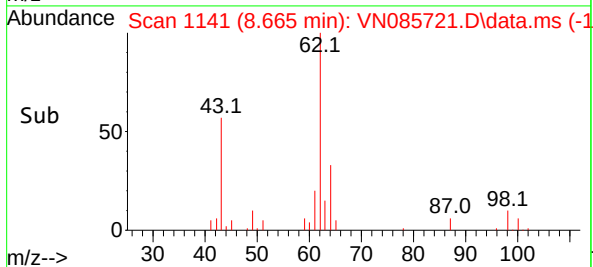
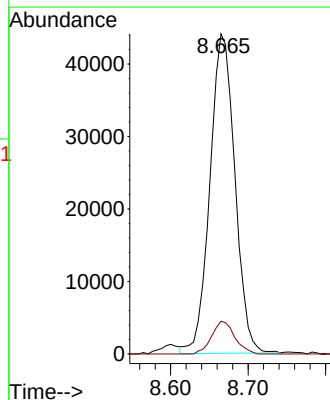
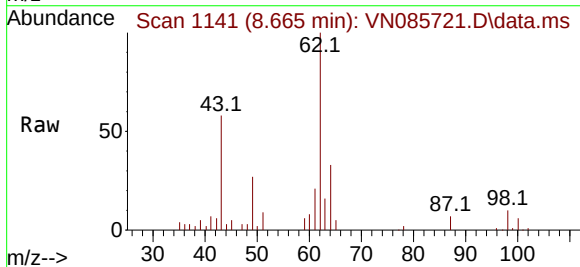
Manual Integrations
APPROVED

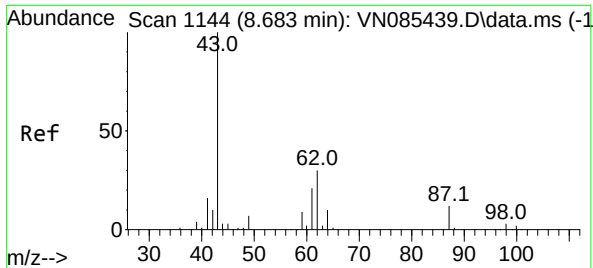
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#42
1,2-Dichloroethane
Concen: 16.466 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Tgt Ion: 62 Resp: 98683
Ion Ratio Lower Upper
62 100
98 9.4 0.0 17.0





#43

Isopropyl Acetate

Concen: 16.931 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tgt Ion: 43 Resp: 145019

Ion Ratio Lower Upper

43 100

61 25.9 20.7 31.1

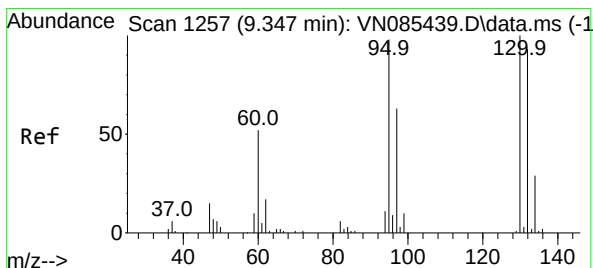
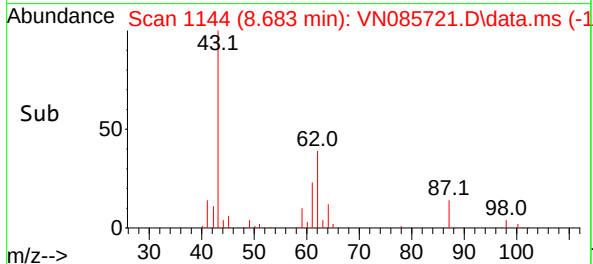
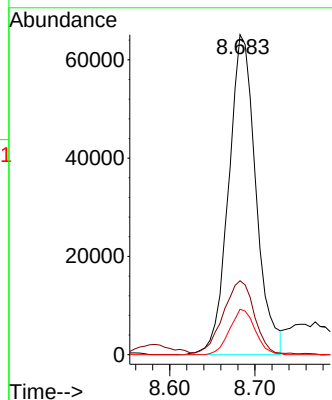
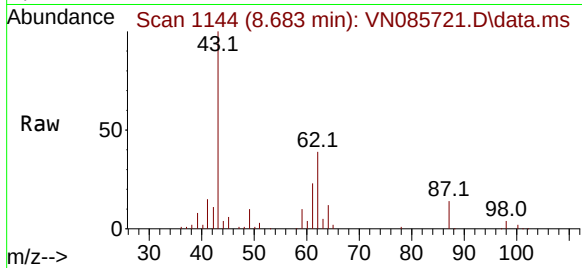
87 13.2 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 18.534 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN085721.D

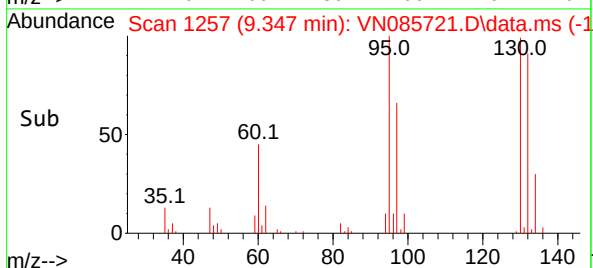
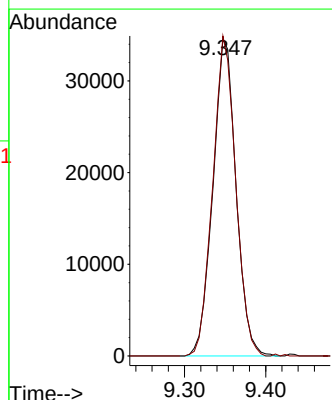
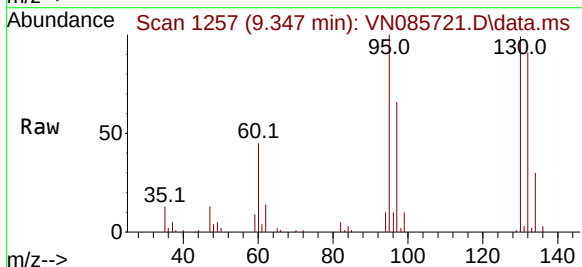
Acq: 10 Feb 2025 14:12

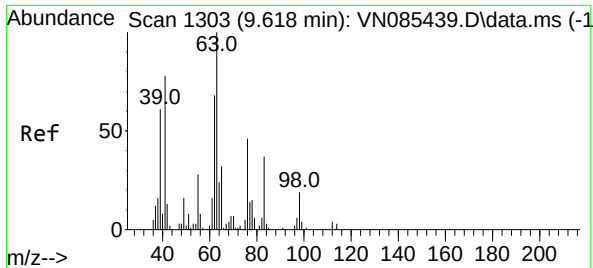
Tgt Ion:130 Resp: 68649

Ion Ratio Lower Upper

130 100

95 101.0 0.0 195.8





#45

1,2-Dichloropropane

Concen: 17.177 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tgt Ion: 63 Resp: 6981

Ion Ratio Lower Upper

63 100

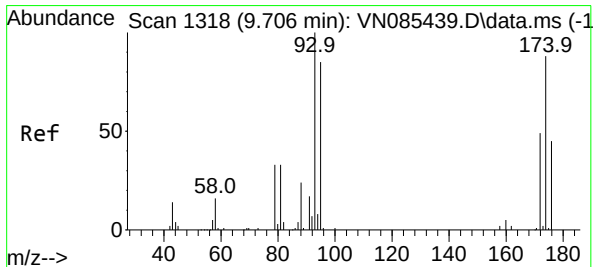
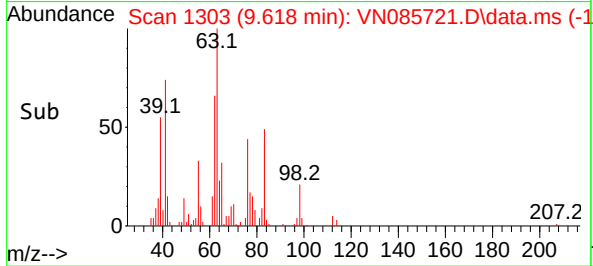
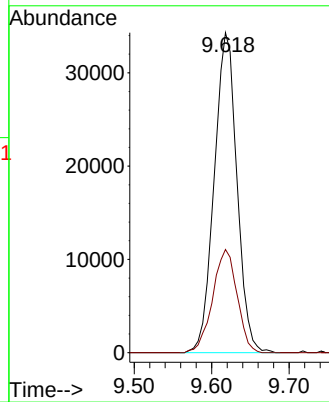
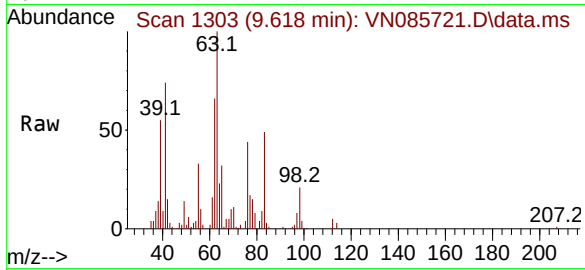
65 32.3 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 17.314 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

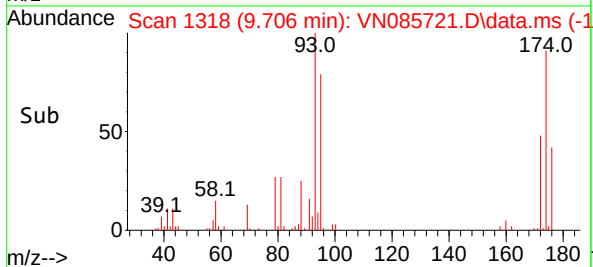
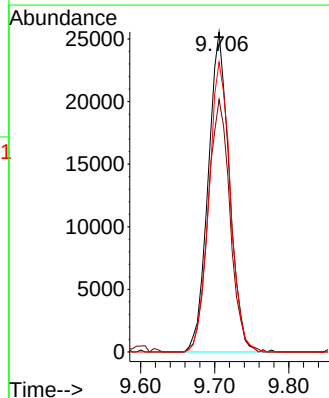
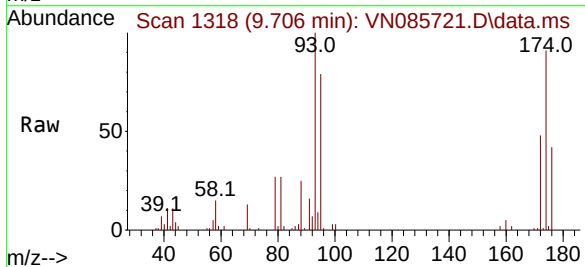
Tgt Ion: 93 Resp: 50778

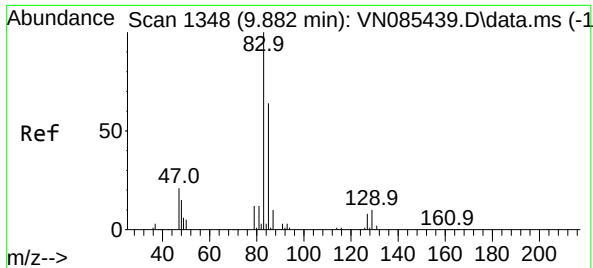
Ion Ratio Lower Upper

93 100

95 81.8 64.7 97.1

174 91.9 69.0 103.4





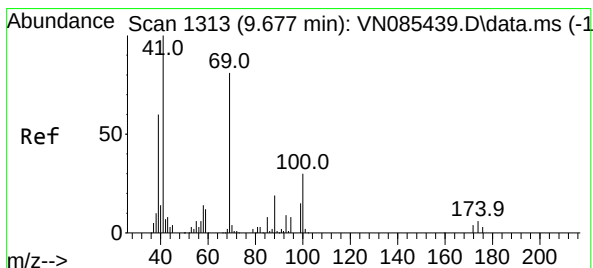
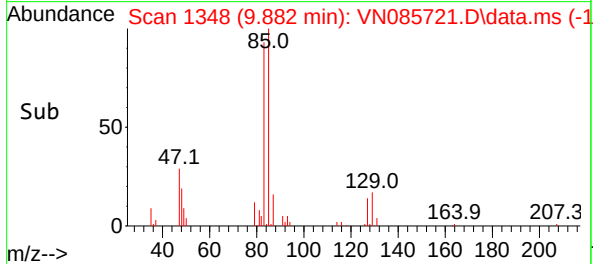
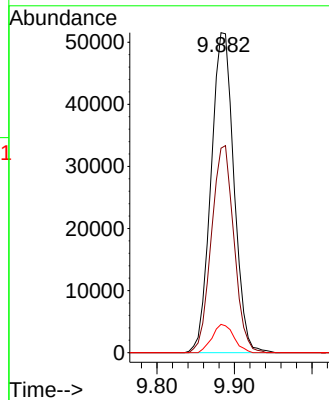
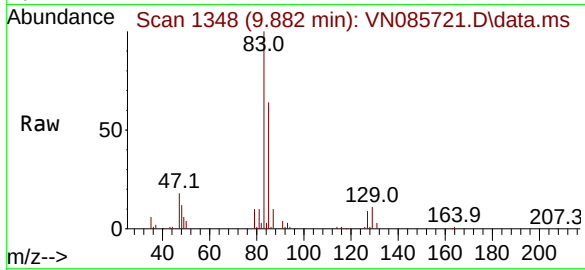
#47
Bromodichloromethane
Concen: 17.684 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tgt Ion: 83 Resp: 105660
Ion Ratio Lower Upper
83 100
85 63.9 51.2 76.8
127 8.8 6.5 9.7

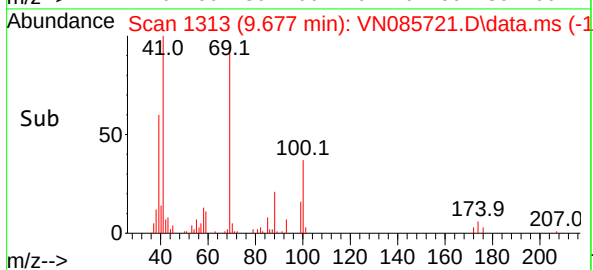
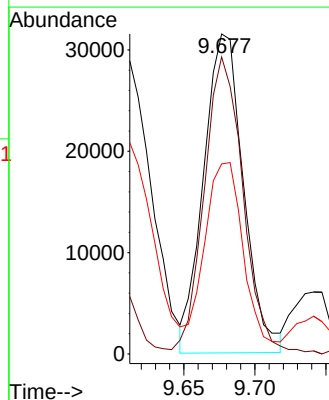
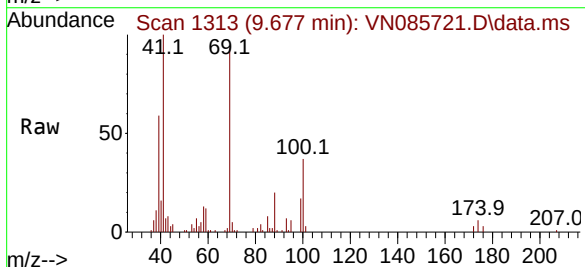
Manual Integrations
APPROVED

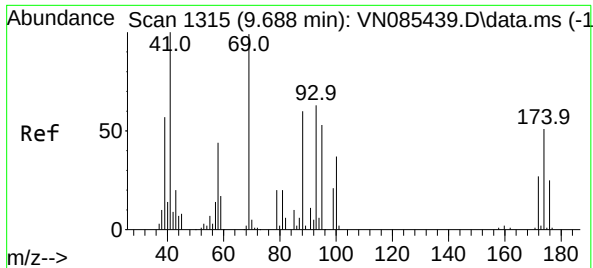
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#48
Methyl methacrylate
Concen: 15.900 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Tgt Ion: 41 Resp: 61288
Ion Ratio Lower Upper
41 100
69 91.1 64.7 97.1
39 60.2 49.0 73.6





#49

1,4-Dioxane

Concen: 365.912 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tgt Ion: 88 Resp: 2375

Ion Ratio Lower Upper

88 100

43 29.1 26.6 39.8

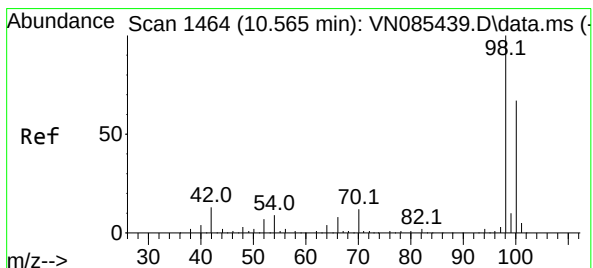
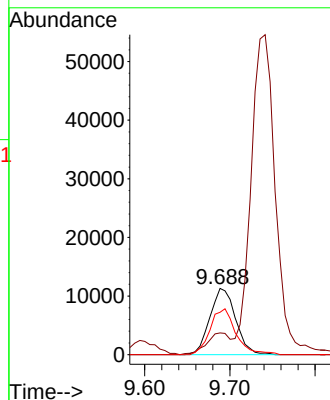
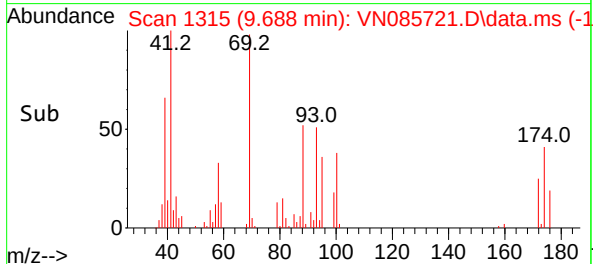
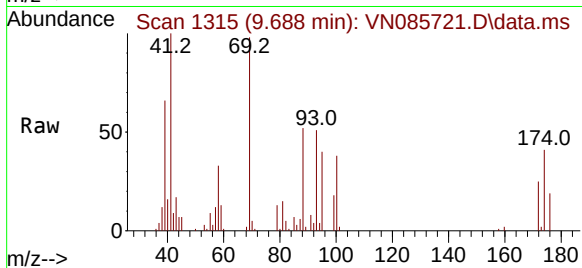
58 69.6 59.5 89.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 44.551 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085721.D

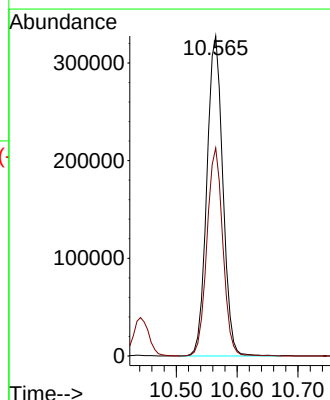
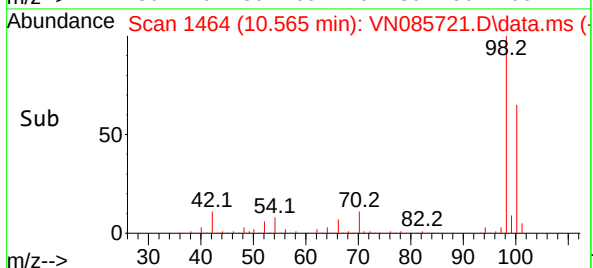
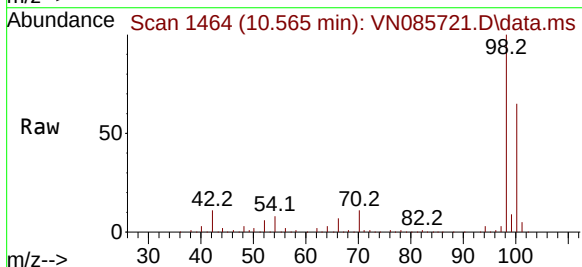
Acq: 10 Feb 2025 14:12

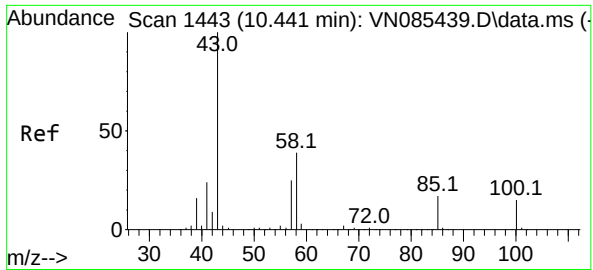
Tgt Ion: 98 Resp: 597282

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4





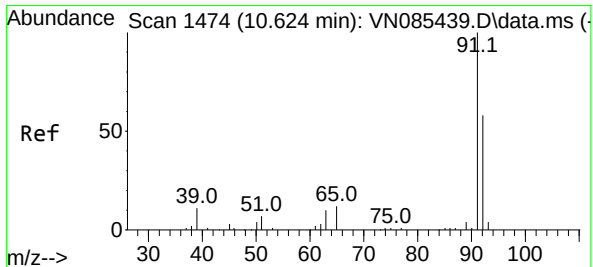
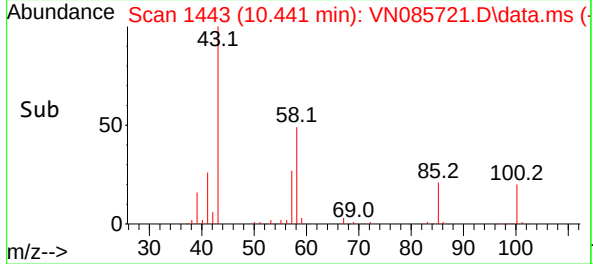
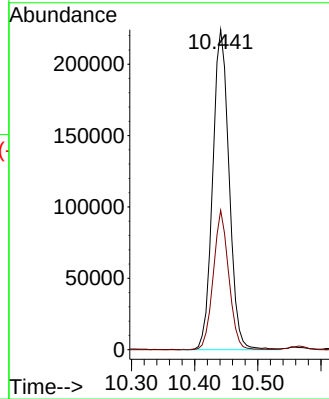
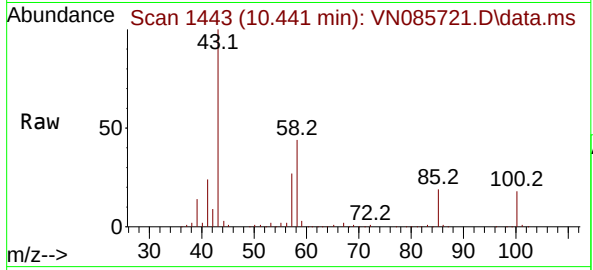
#51
4-Methyl-2-Pentanone
Concen: 81.388 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tgt Ion: 43 Resp: 40451
Ion Ratio Lower Upper
43 100
58 41.1 30.5 45.7

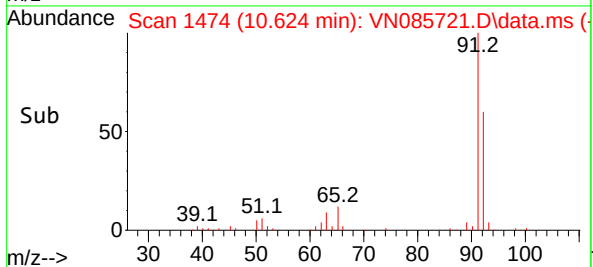
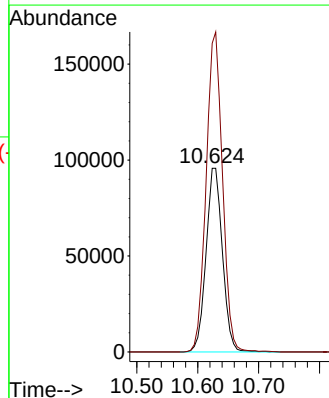
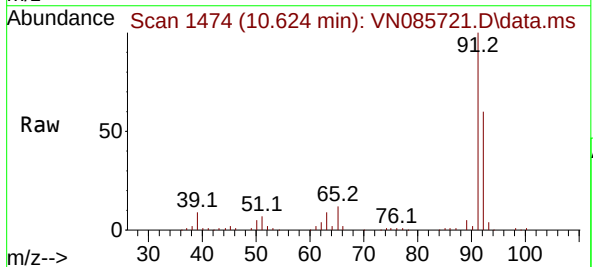
Manual Integrations
APPROVED

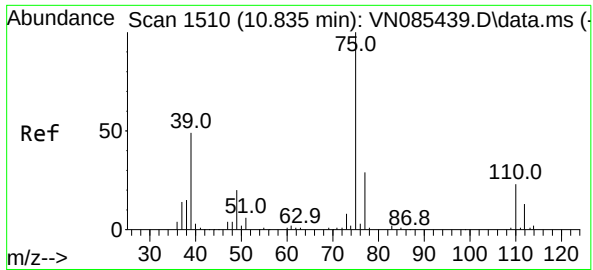
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#52
Toluene
Concen: 19.443 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

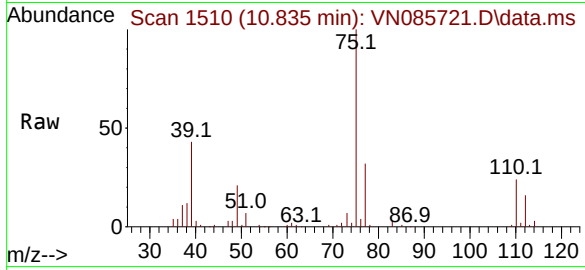
Tgt Ion: 92 Resp: 179258
Ion Ratio Lower Upper
92 100
91 173.3 139.2 208.8





#53
t-1,3-Dichloropropene
Concen: 17.898 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

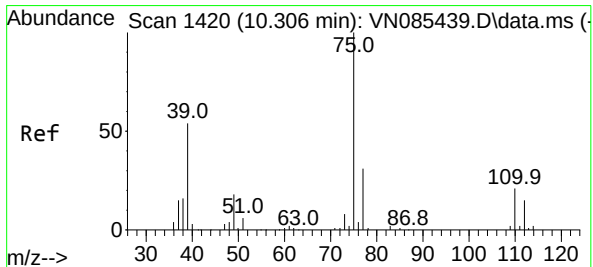
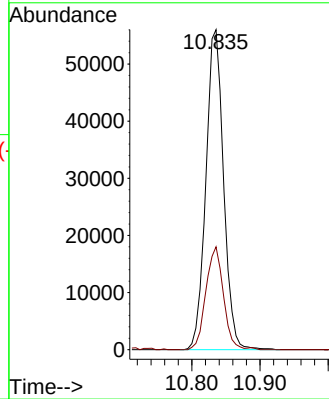
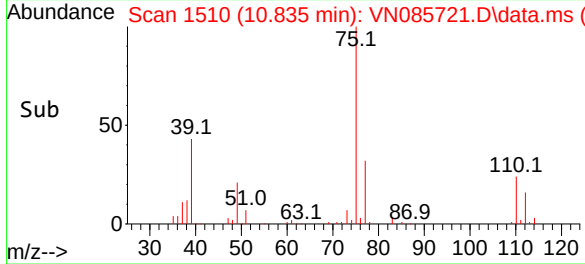
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion: 75 Resp: 101058
Ion Ratio Lower Upper
75 100
77 32.2 23.5 35.3

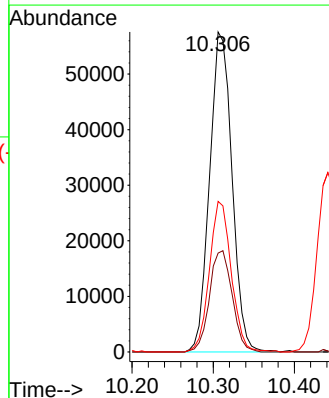
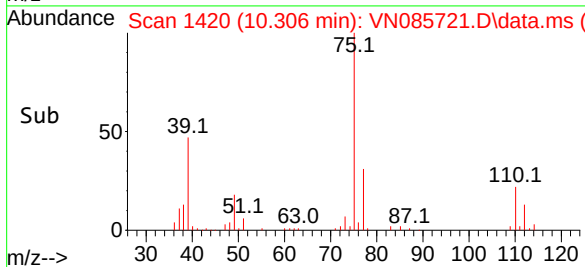
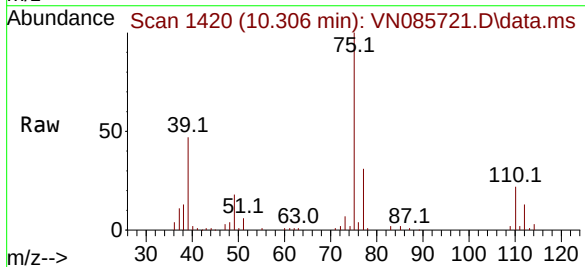
Manual Integrations
APPROVED

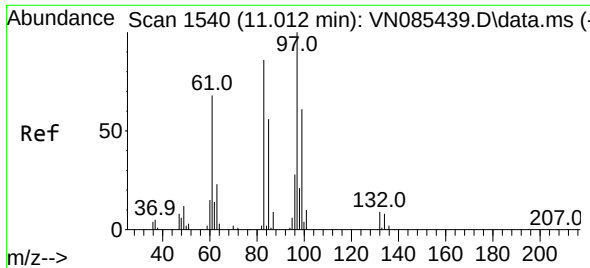
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#54
cis-1,3-Dichloropropene
Concen: 18.301 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

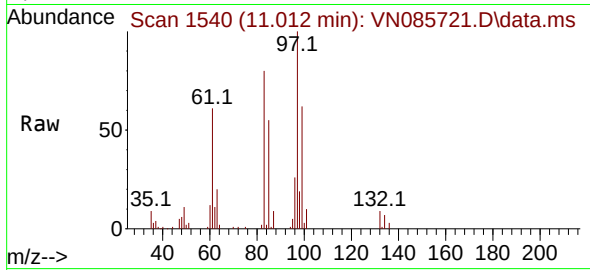
Tgt Ion: 75 Resp: 110376
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.4
39 47.1 43.1 64.7





#55
1,1,2-Trichloroethane
Concen: 18.314 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

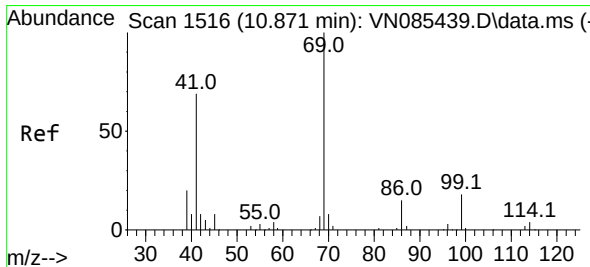
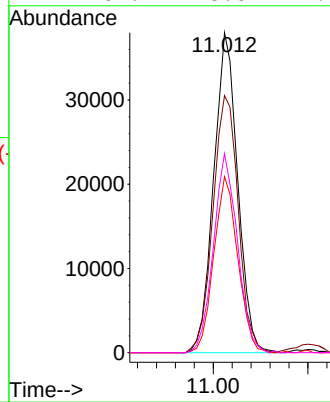
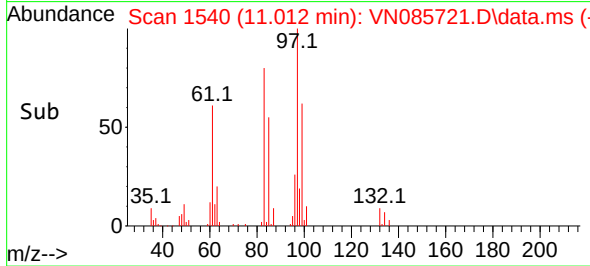
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion: 97 Resp: 6682
Ion Ratio Lower Upper
97 100
83 80.4 69.0 103.6
85 55.0 44.6 66.8
99 62.2 48.6 72.8

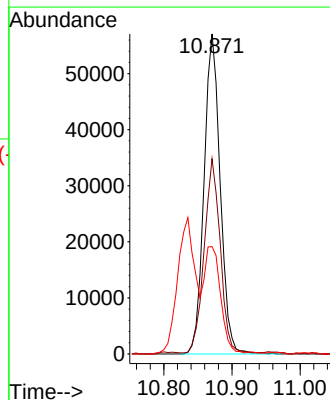
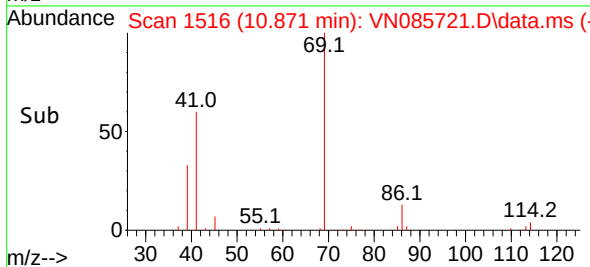
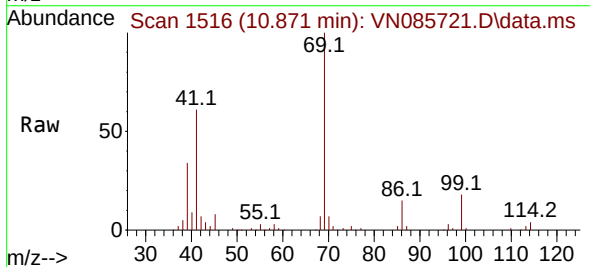
Manual Integrations
APPROVED

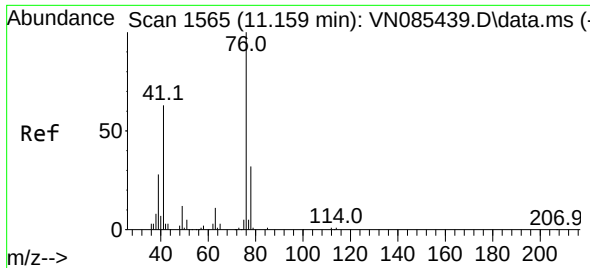
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#56
Ethyl methacrylate
Concen: 16.640 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Tgt Ion: 69 Resp: 94038
Ion Ratio Lower Upper
69 100
41 60.0 54.6 82.0
39 33.5 32.4 48.6





#57

1,3-Dichloropropane

Concen: 17.868 ug/l

RT: 11.159 min Scan# 11336

Delta R.T. 0.000 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tgt Ion: 76 Resp: 11336

Ion Ratio Lower Upper

76 100

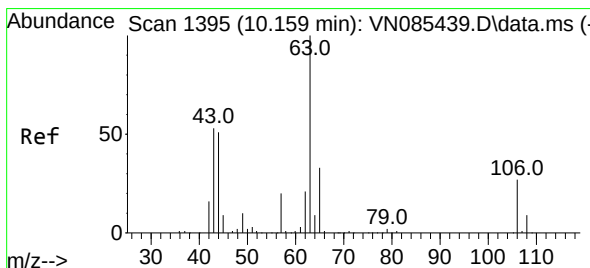
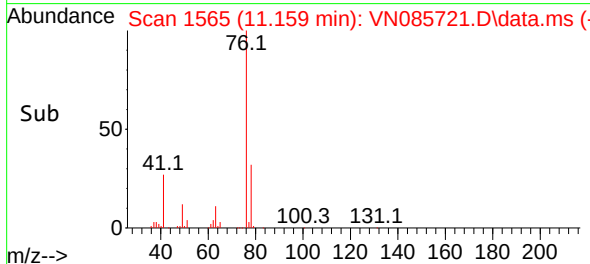
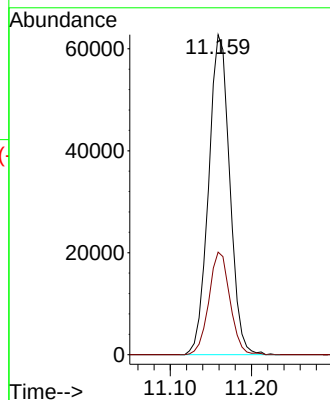
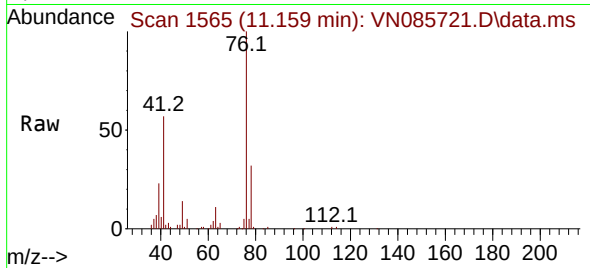
78 32.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 86.468 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085721.D

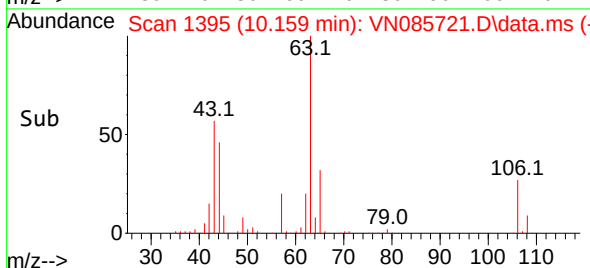
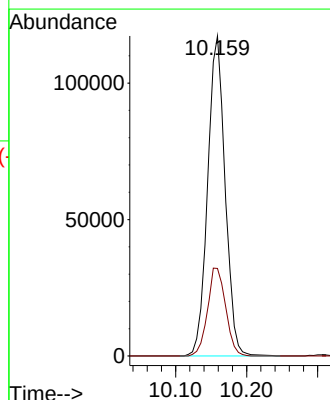
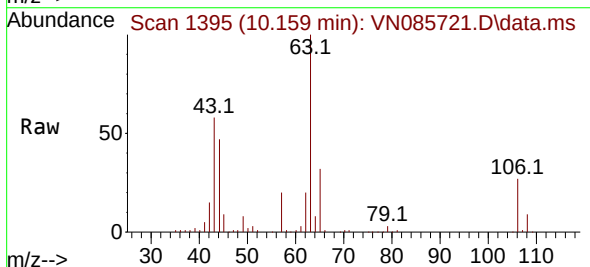
Acq: 10 Feb 2025 14:12

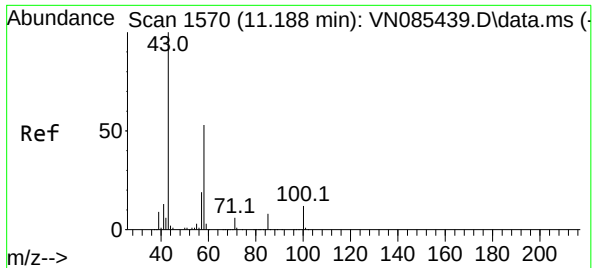
Tgt Ion: 63 Resp: 200212

Ion Ratio Lower Upper

63 100

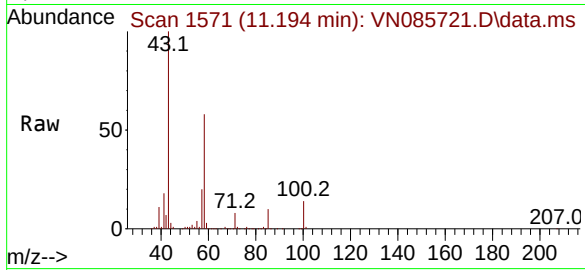
106 28.5 21.6 32.4





#59
2-Hexanone
Concen: 82.233 ug/l
RT: 11.194 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

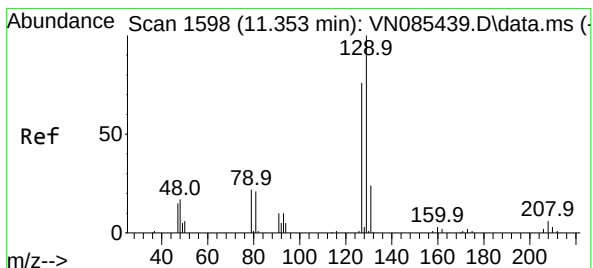
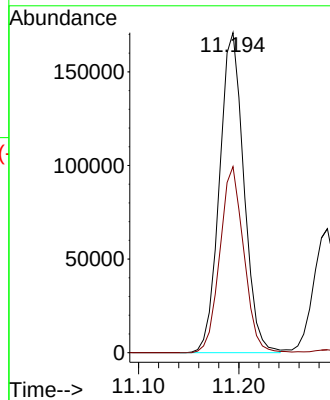
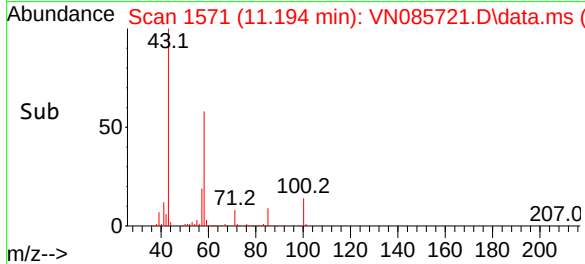
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion: 43 Resp: 287580
Ion Ratio Lower Upper
43 100
58 57.0 26.2 78.6

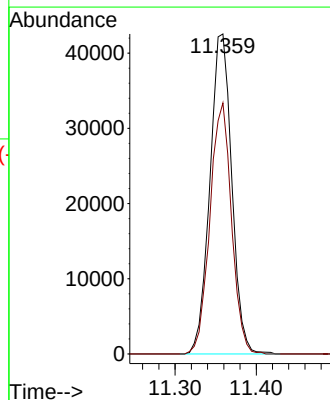
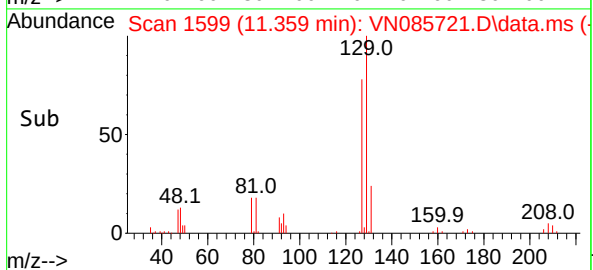
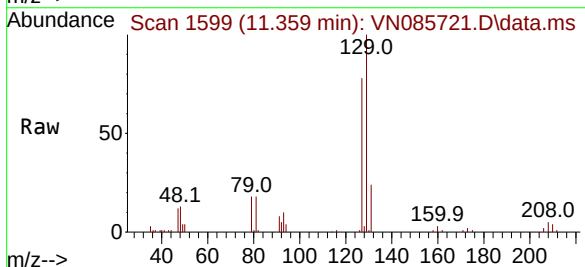
Manual Integrations
APPROVED

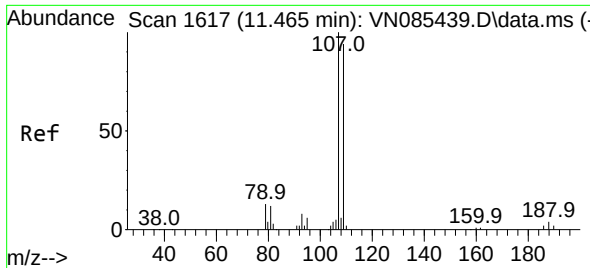
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#60
Dibromochloromethane
Concen: 18.085 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Tgt Ion:129 Resp: 79667
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





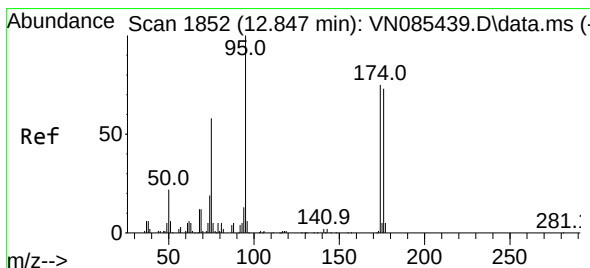
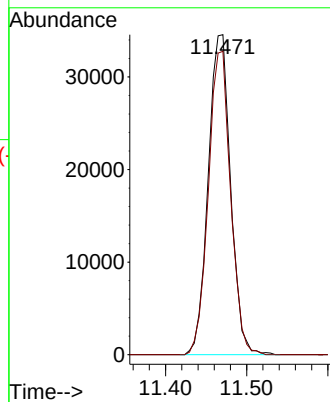
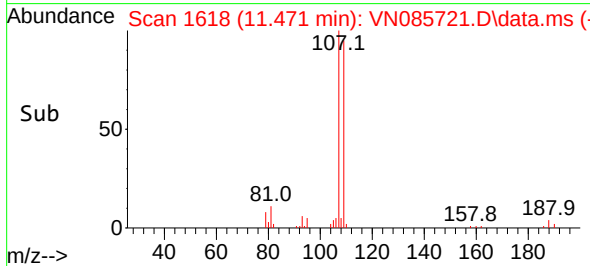
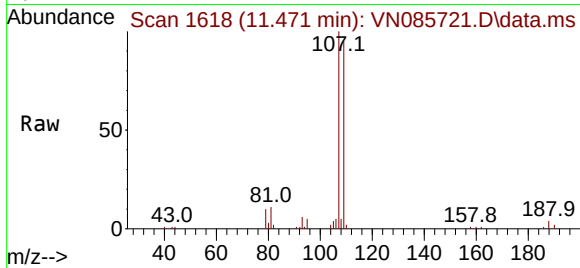
#61
1,2-Dibromoethane
Concen: 18.249 ug/l
RT: 11.471 min Scan# 1617
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tgt Ion:107 Resp: 66280
Ion Ratio Lower Upper
107 100
109 94.2 75.9 113.9

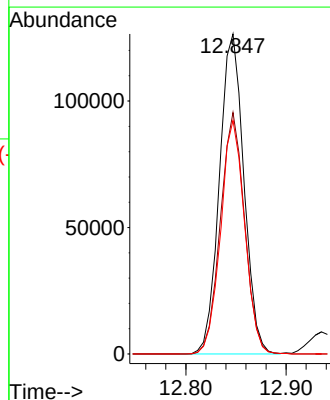
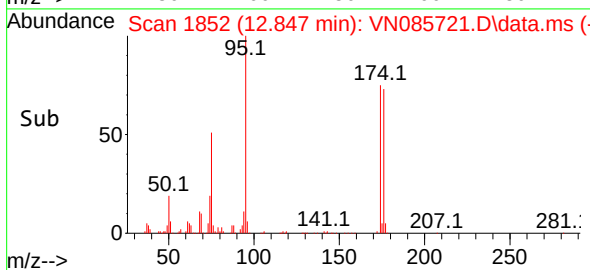
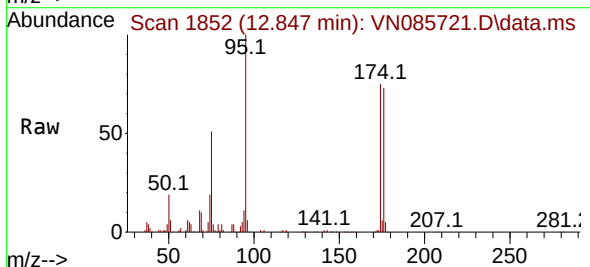
Manual Integrations
APPROVED

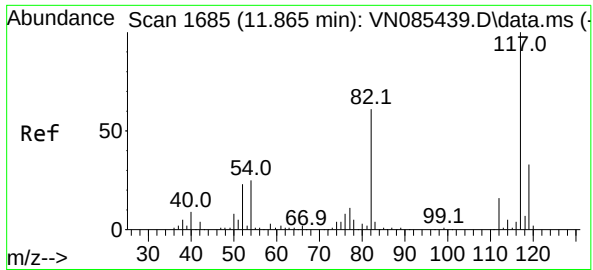
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#62
4-Bromofluorobenzene
Concen: 46.611 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

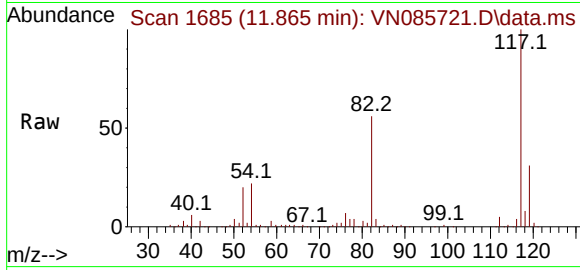
Tgt Ion: 95 Resp: 213760
Ion Ratio Lower Upper
95 100
174 74.3 0.0 145.0
176 71.5 0.0 142.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

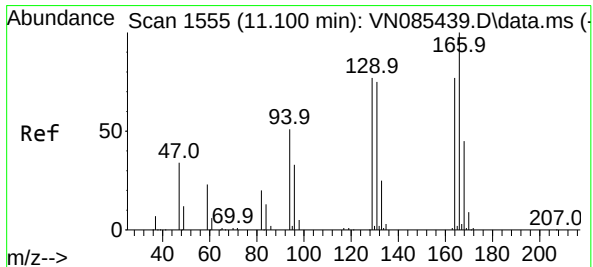
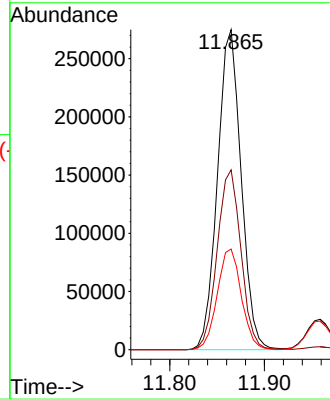
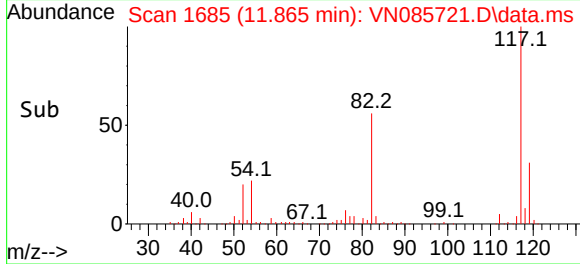
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion:117 Resp: 477598
Ion Ratio Lower Upper
117 100
82 56.2 48.6 72.8
119 31.5 26.6 39.8

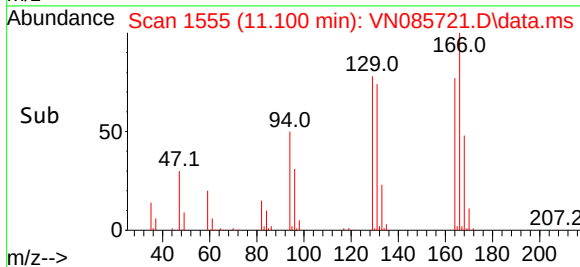
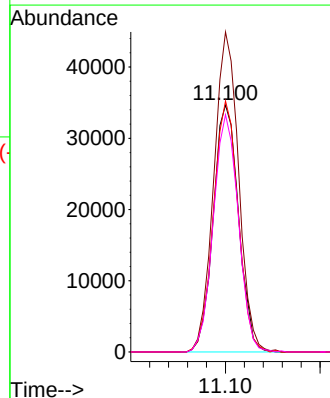
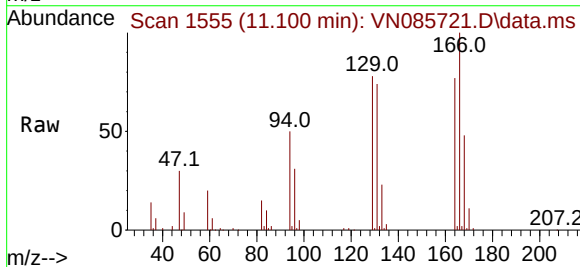
Manual Integrations
APPROVED

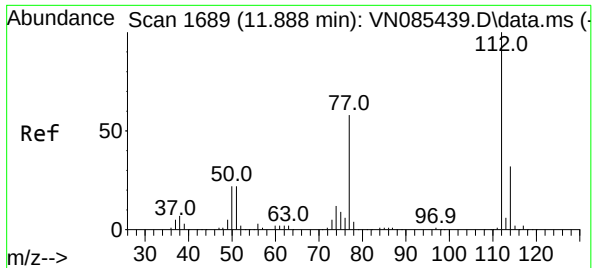
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#64
Tetrachloroethene
Concen: 19.657 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

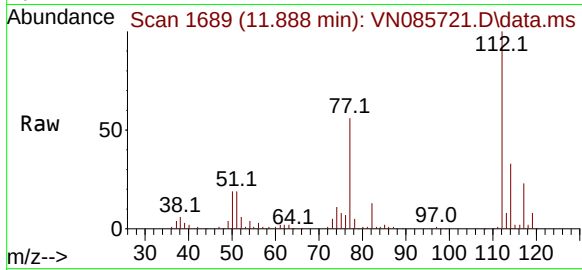
Tgt Ion:164 Resp: 64003
Ion Ratio Lower Upper
164 100
166 129.6 103.4 155.2
129 101.7 79.2 118.8
131 96.1 77.1 115.7





#65
Chlorobenzene
Concen: 18.625 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

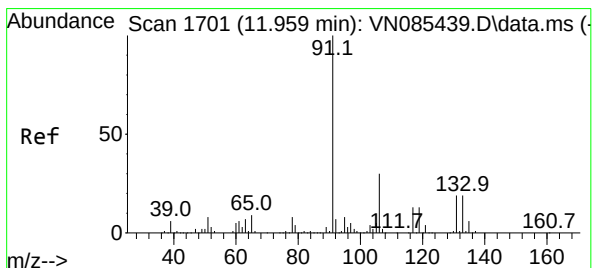
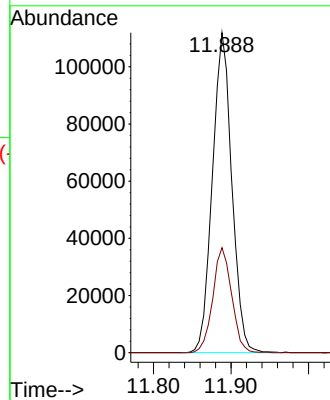
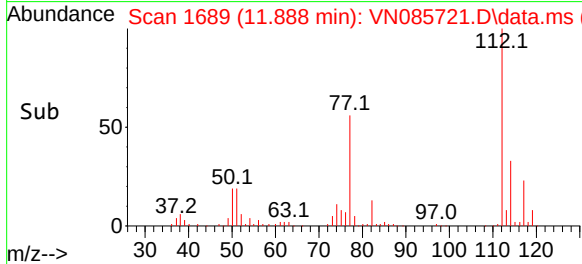
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion:112 Resp: 194870
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9

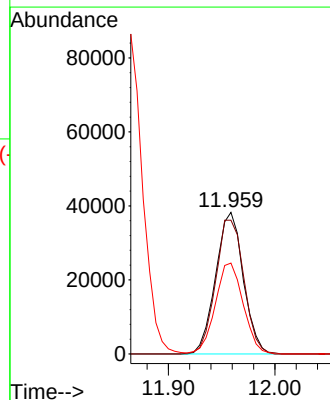
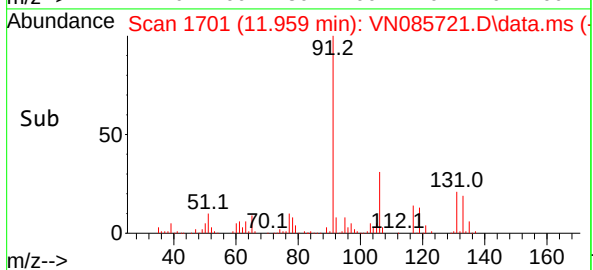
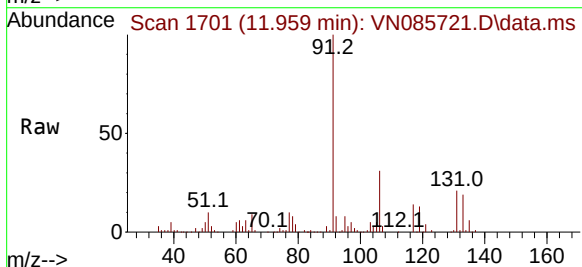
Manual Integrations
APPROVED

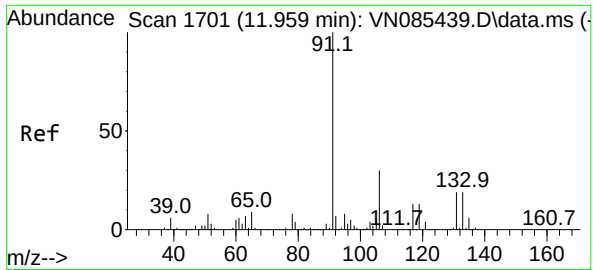
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 17.932 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

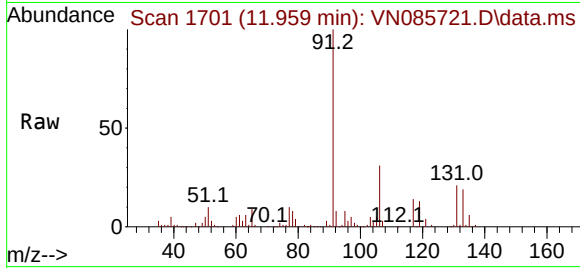
Tgt Ion:131 Resp: 68857
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.3
119 64.9 33.1 99.5





#67
Ethyl Benzene
Concen: 18.721 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

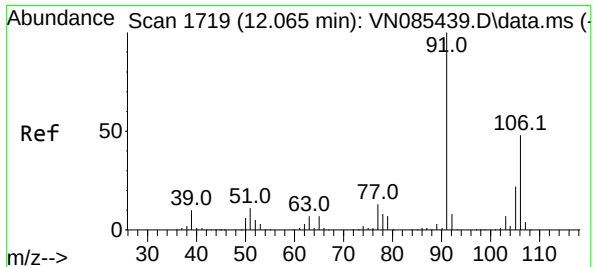
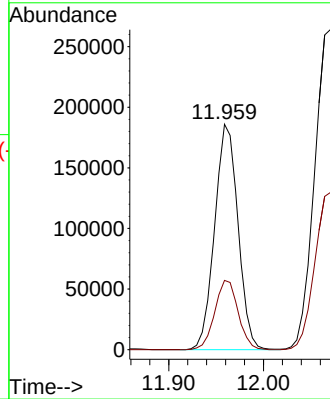
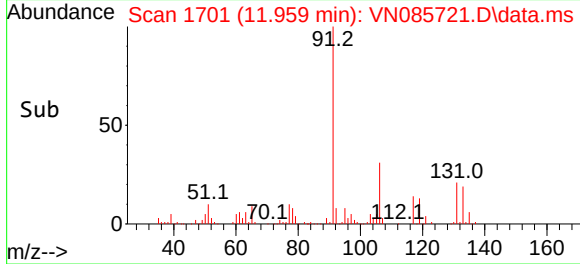
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion: 91 Resp: 319020
Ion Ratio Lower Upper
91 100
106 30.7 23.8 35.8

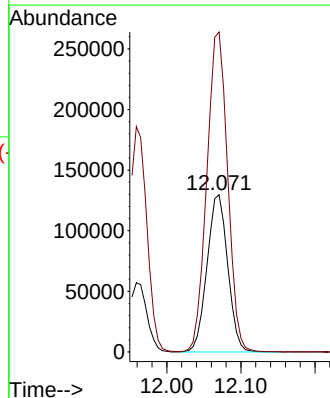
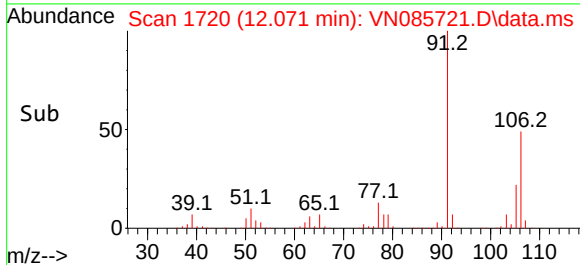
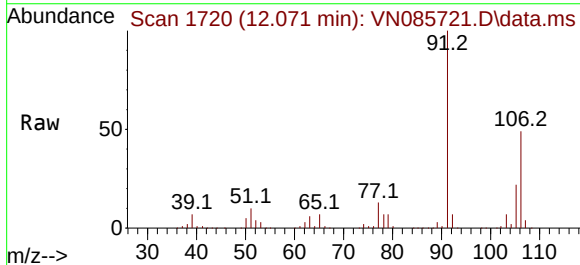
Manual Integrations
APPROVED

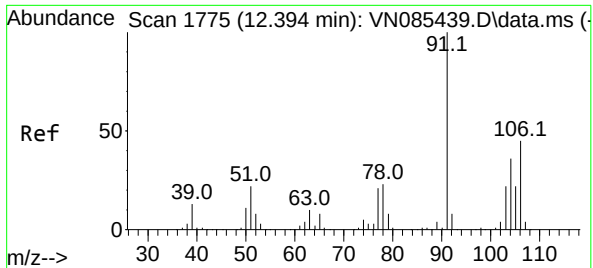
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#68
m/p-Xylenes
Concen: 39.987 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Tgt Ion:106 Resp: 251837
Ion Ratio Lower Upper
106 100
91 205.0 167.7 251.5





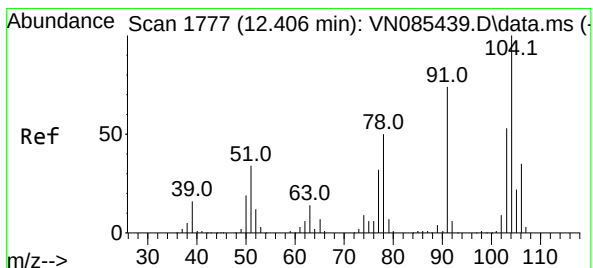
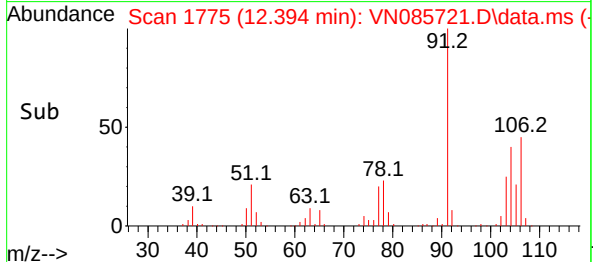
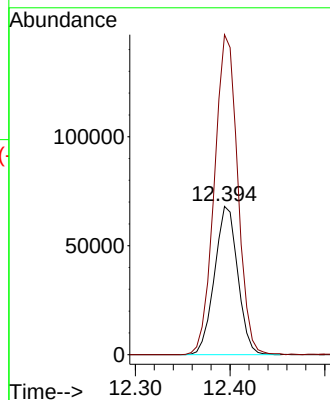
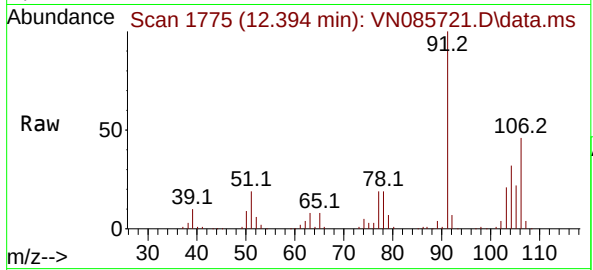
#69
o-Xylene
Concen: 19.262 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tgt Ion:106 Resp: 11593
Ion Ratio Lower Upper
106 100
91 216.9 110.4 331.2

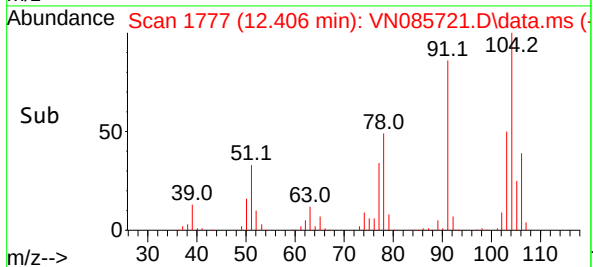
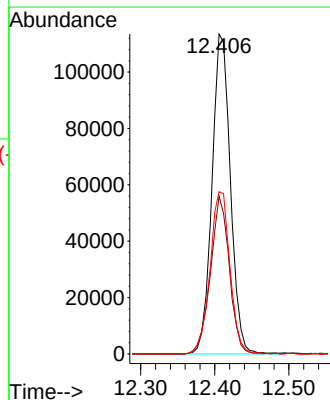
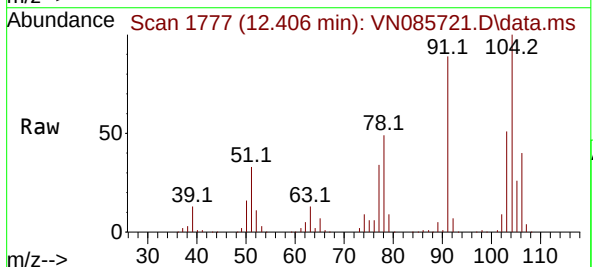
Manual Integrations
APPROVED

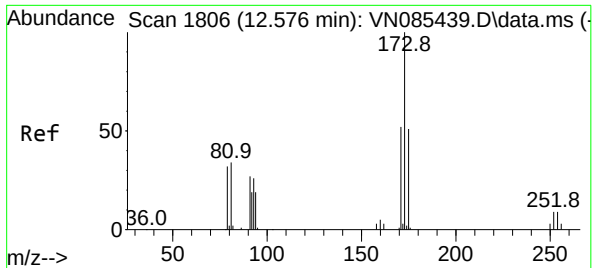
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#70
Styrene
Concen: 19.683 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

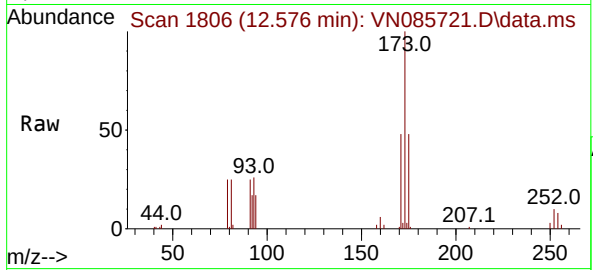
Tgt Ion:104 Resp: 196059
Ion Ratio Lower Upper
104 100
78 50.3 42.5 63.7
103 54.7 43.8 65.8





#71
Bromoform
Concen: 19.065 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

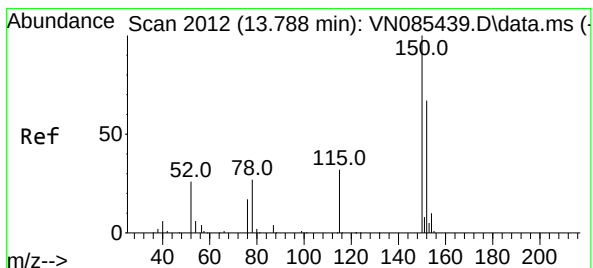
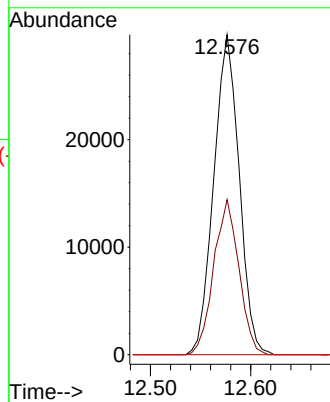
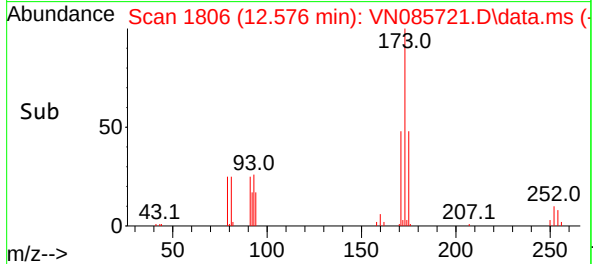
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



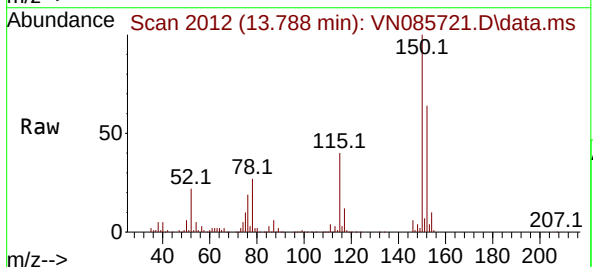
Tgt Ion:173 Resp: 5238
Ion Ratio Lower Upper
173 100
175 48.1 24.4 73.2
254 0.0 0.0 0.0

Manual Integrations
APPROVED

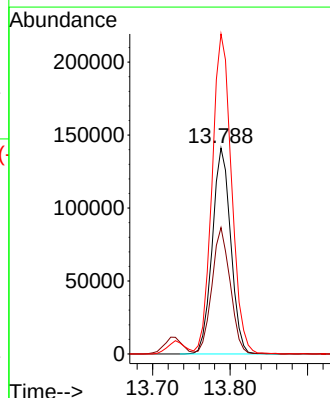
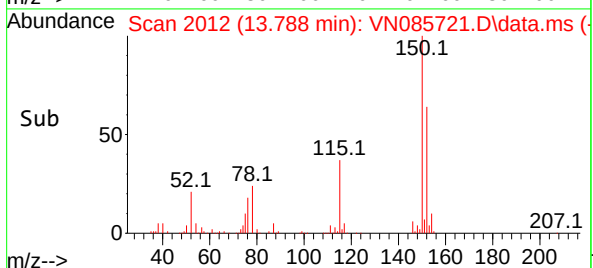
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

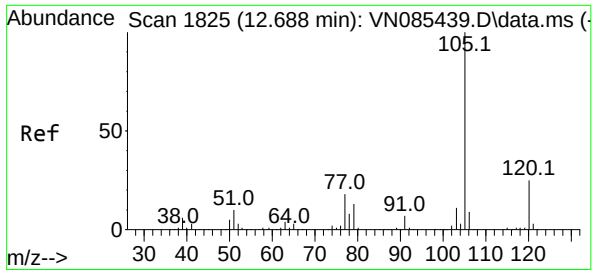


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12



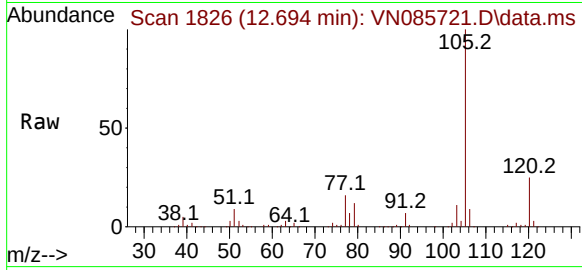
Tgt Ion:152 Resp: 232853
Ion Ratio Lower Upper
152 100
115 61.0 31.1 93.3
150 164.3 0.0 343.6





#73
Isopropylbenzene
Concen: 18.593 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

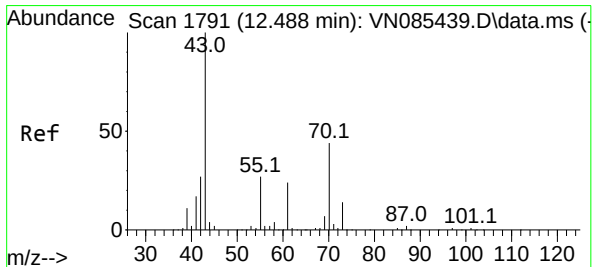
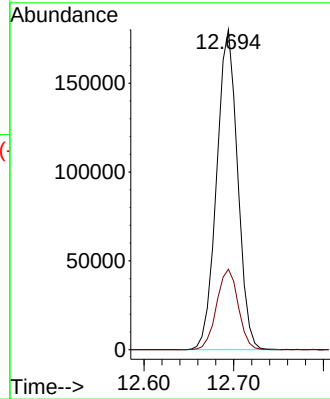
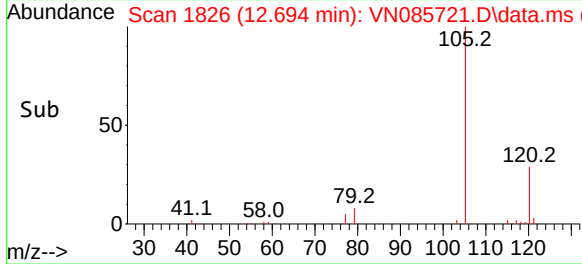
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion:105 Resp: 29220
Ion Ratio Lower Upper
105 100
120 25.9 12.8 38.3

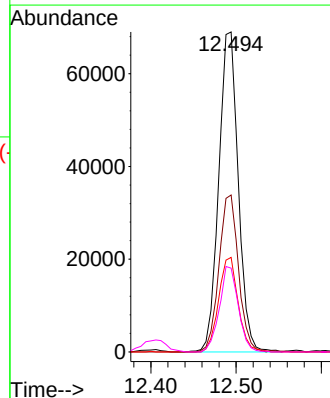
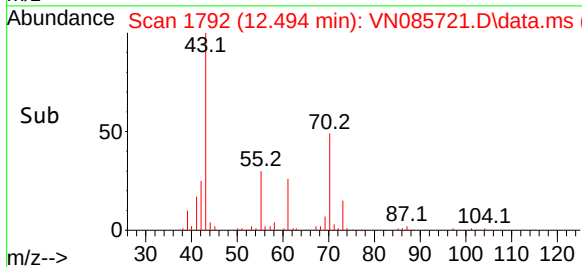
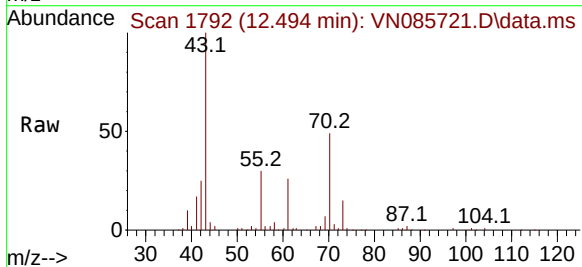
Manual Integrations
APPROVED

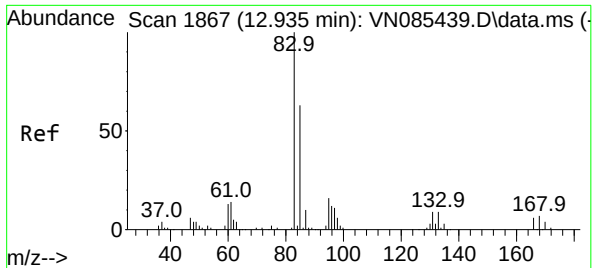
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 15.510 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

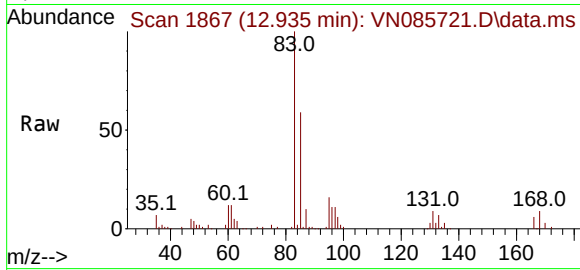
Tgt Ion: 43 Resp: 109562
Ion Ratio Lower Upper
43 100
70 49.2 34.0 51.0
55 29.6 21.4 32.2
61 25.8 19.0 28.4





#75
1,1,2,2-Tetrachloroethane
Concen: 16.881 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

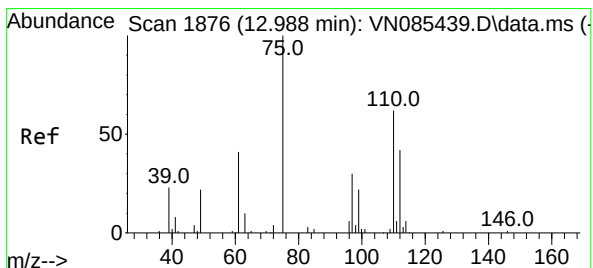
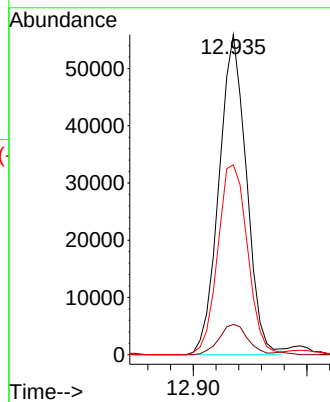
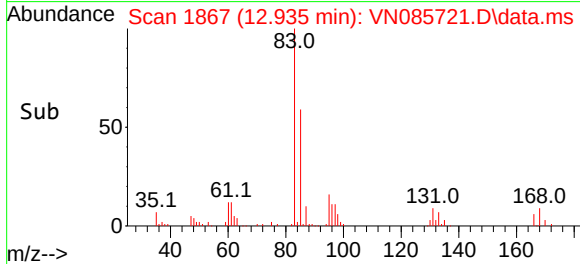
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion: 83 Resp: 93715
Ion Ratio Lower Upper
83 100
131 9.9 4.8 14.4
85 64.3 32.2 96.6

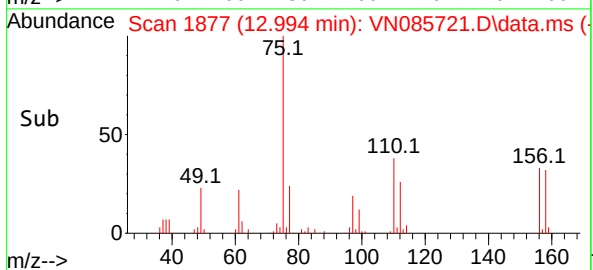
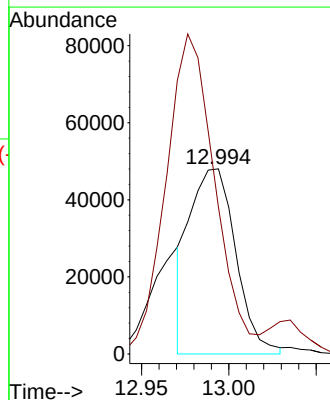
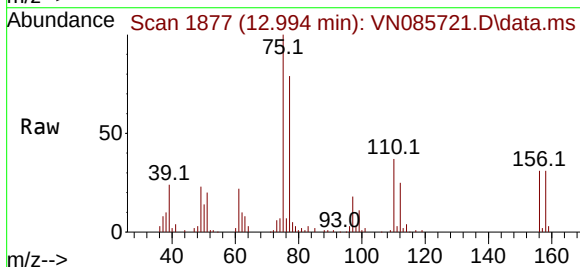
Manual Integrations
APPROVED

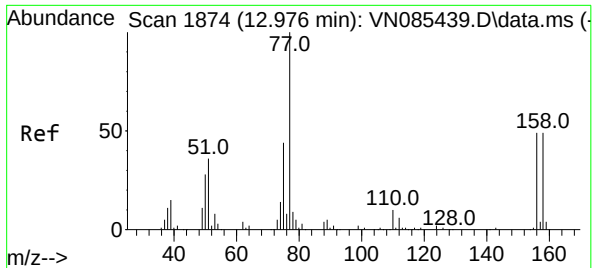
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#76
1,2,3-Trichloropropane
Concen: 18.544 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

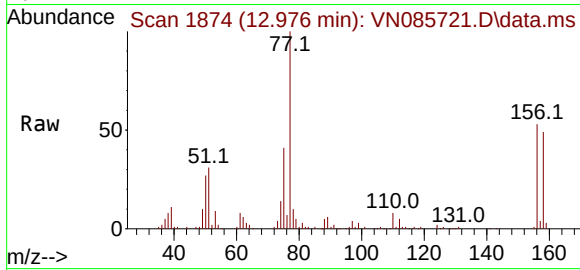
Tgt Ion: 75 Resp: 87763
Ion Ratio Lower Upper
75 100
77 185.1 109.7 329.2





#77
Bromobenzene
Concen: 18.062 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

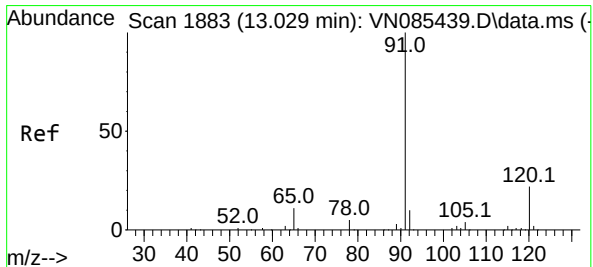
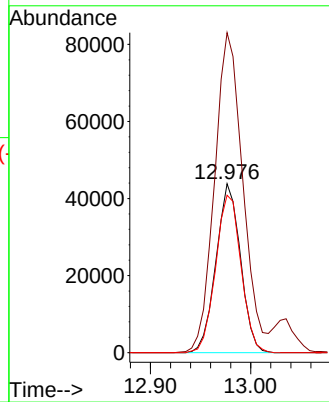
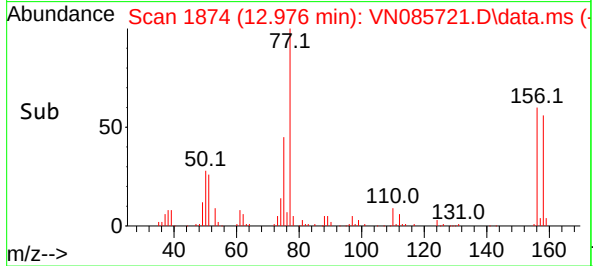
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion:156 Resp: 74162
Ion Ratio Lower Upper
156 100
77 219.1 114.1 342.4
158 96.9 48.9 146.8

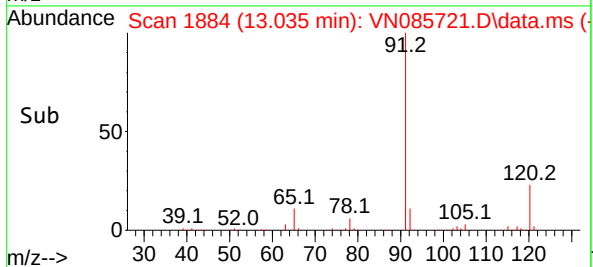
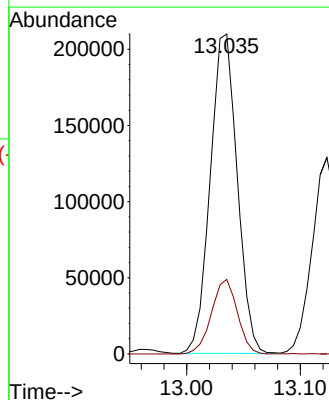
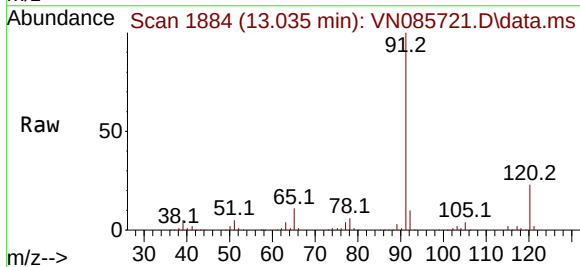
Manual Integrations
APPROVED

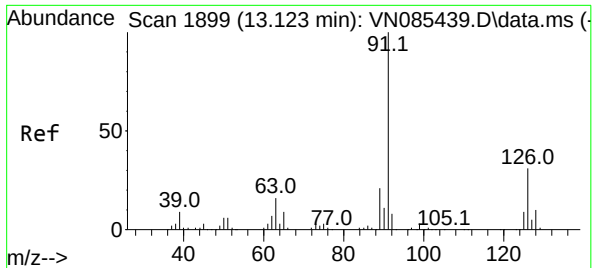
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#78
n-propylbenzene
Concen: 18.645 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Tgt Ion: 91 Resp: 346882
Ion Ratio Lower Upper
91 100
120 22.4 10.9 32.6





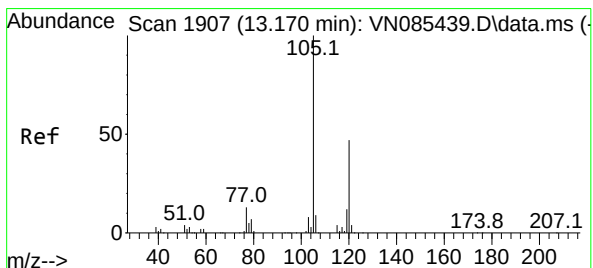
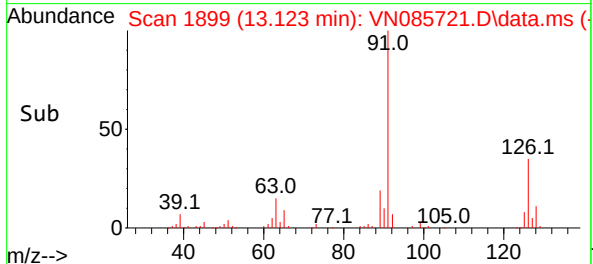
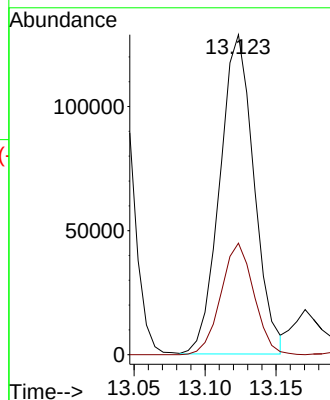
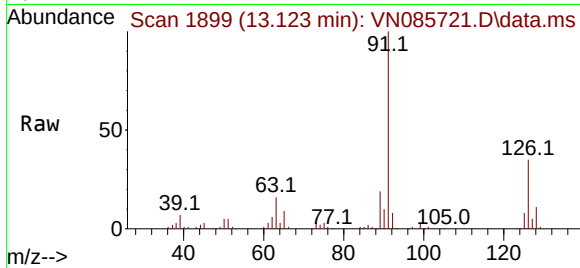
#79
2-Chlorotoluene
Concen: 17.936 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tgt Ion: 91 Resp: 215960
Ion Ratio Lower Upper
91 100
126 33.6 15.7 47.1

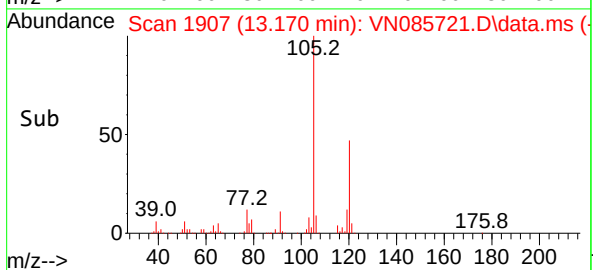
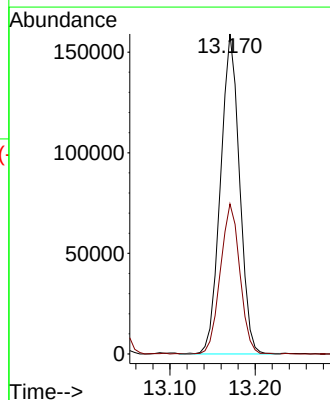
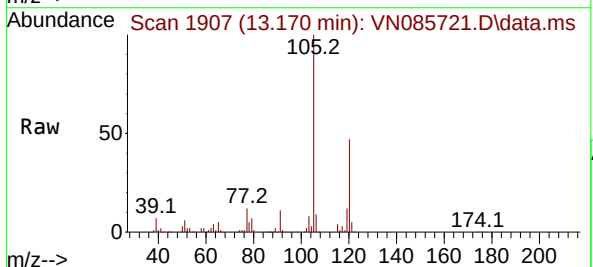
Manual Integrations
APPROVED

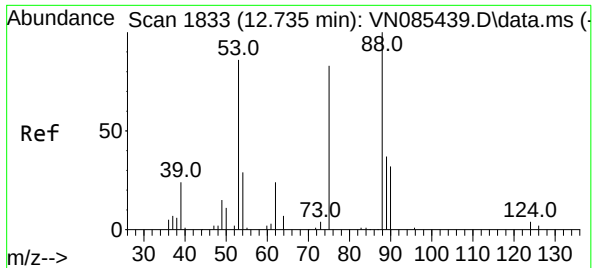
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#80
1,3,5-Trimethylbenzene
Concen: 19.035 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

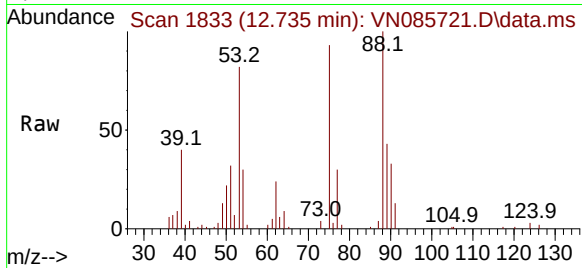
Tgt Ion:105 Resp: 247091
Ion Ratio Lower Upper
105 100
120 48.0 23.9 71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 18.317 ug/l m
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

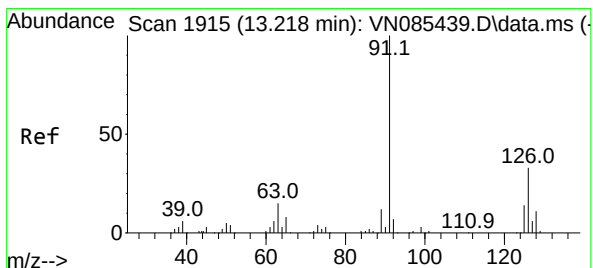
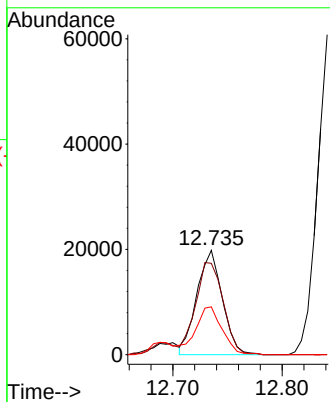
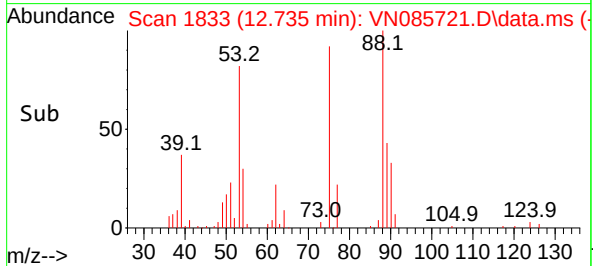
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



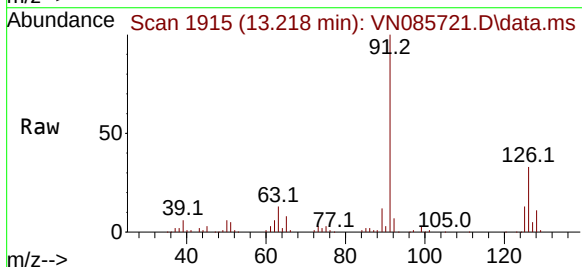
Tgt Ion: 75 Resp: 3204
Ion Ratio Lower Upper
75 100
53 96.2 95.6 143.4
89 49.4 37.0 55.6

Manual Integrations
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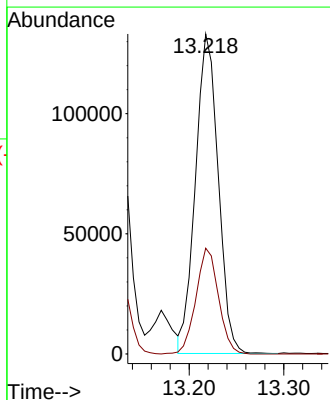
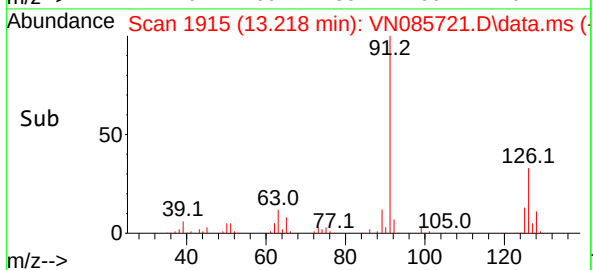
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

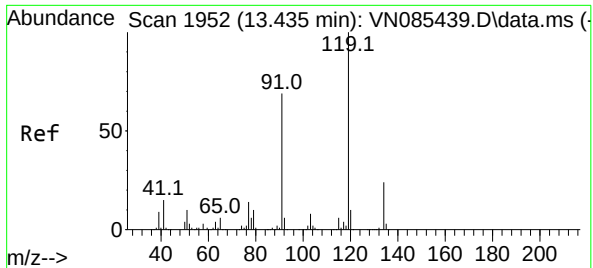


#82
4-Chlorotoluene
Concen: 18.527 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12



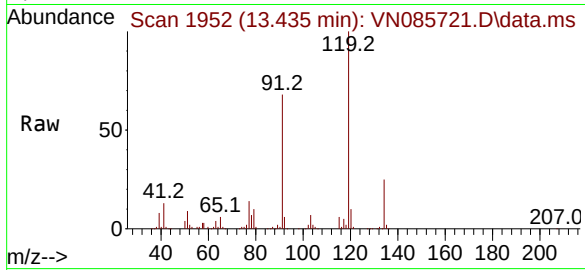
Tgt Ion: 91 Resp: 222118
Ion Ratio Lower Upper
91 100
126 32.8 15.9 47.7





#83
tert-Butylbenzene
Concen: 18.165 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

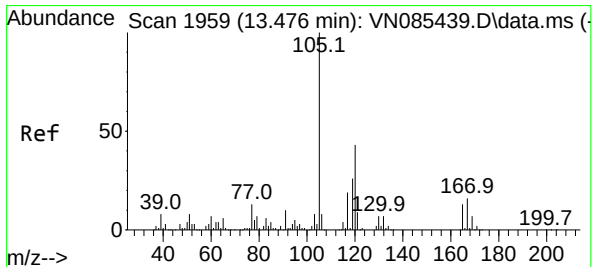
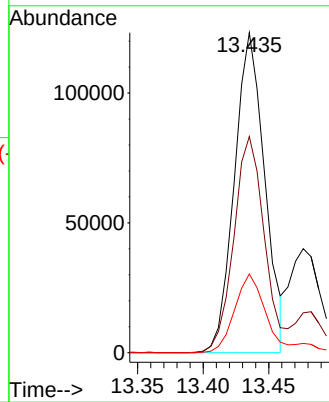
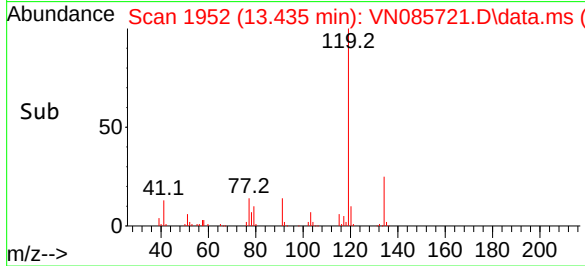
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



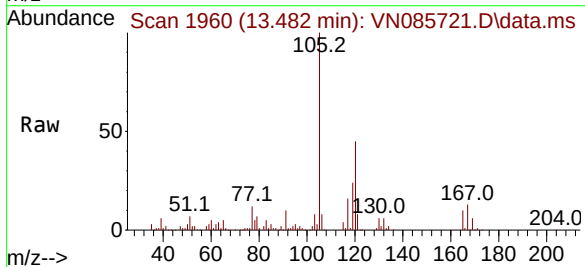
Tgt Ion:119 Resp: 198020
Ion Ratio Lower Upper
119 100
91 68.8 35.1 105.3
134 26.9 12.0 36.1

Manual Integrations
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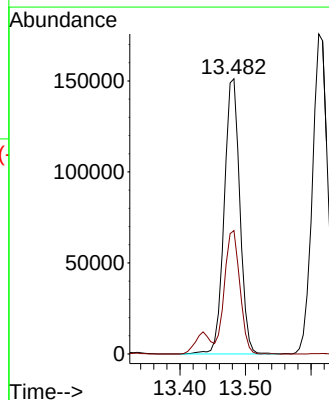
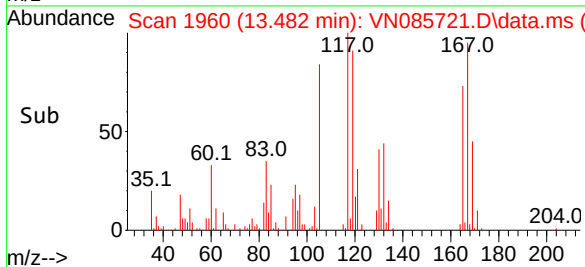
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

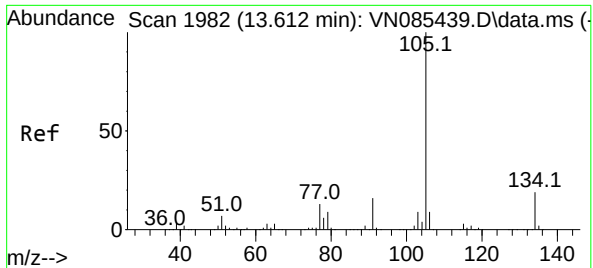


#84
1,2,4-Trimethylbenzene
Concen: 19.275 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12



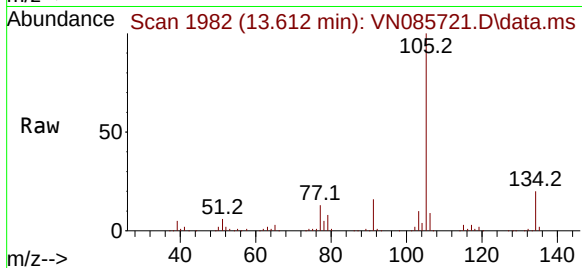
Tgt Ion:105 Resp: 249382
Ion Ratio Lower Upper
105 100
120 44.1 21.6 65.0





#85
 sec-Butylbenzene
 Concen: 18.854 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN085721.D
 Acq: 10 Feb 2025 14:12

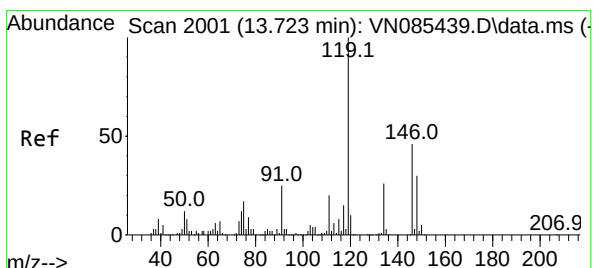
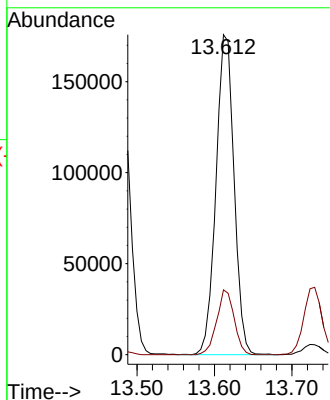
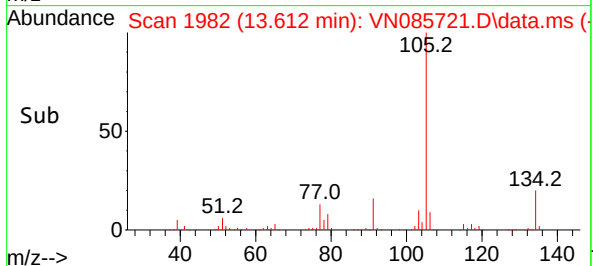
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS01



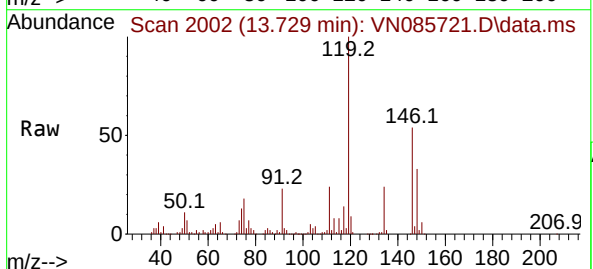
Tgt Ion:105 Resp: 28486
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 28.9

Manual Integrations
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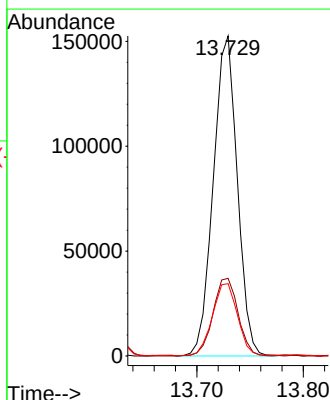
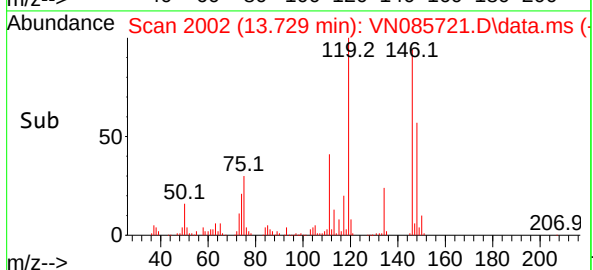
Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

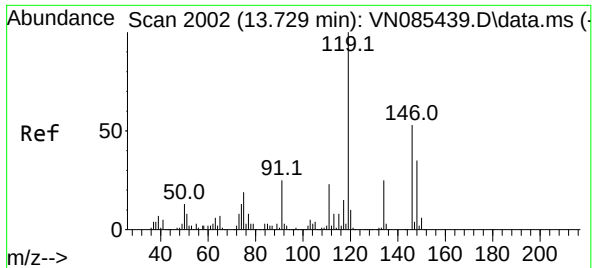


#86
 p-Isopropyltoluene
 Concen: 19.005 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN085721.D
 Acq: 10 Feb 2025 14:12



Tgt Ion:119 Resp: 238678
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.0
 91 23.8 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 18.451 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tgt Ion:146 Resp: 13951

Ion Ratio Lower Upper

146 100

111 42.9 21.4 64.3

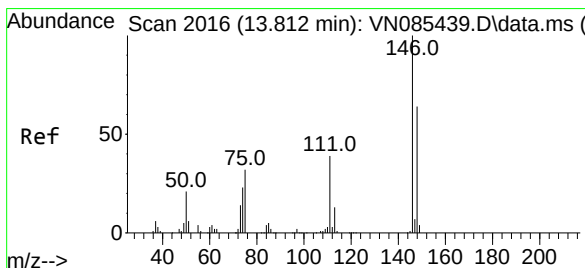
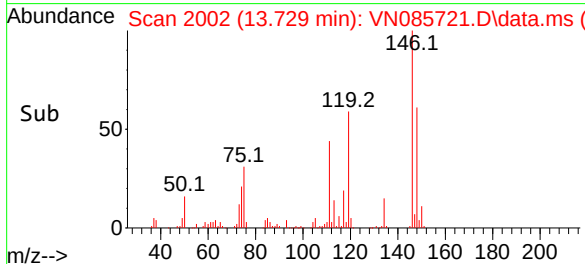
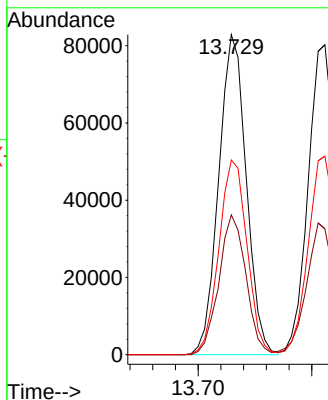
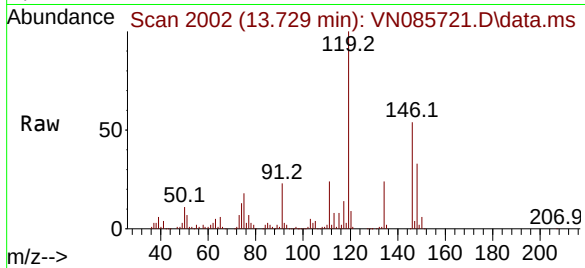
148 62.2 32.3 96.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 17.560 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

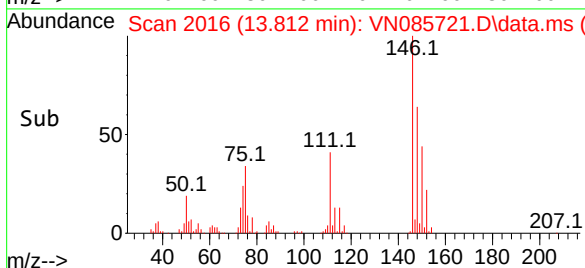
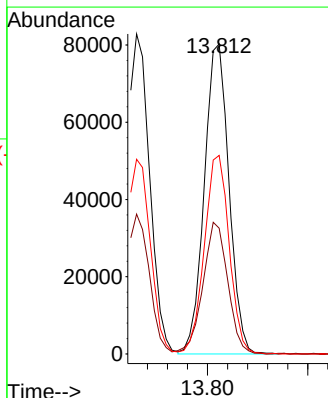
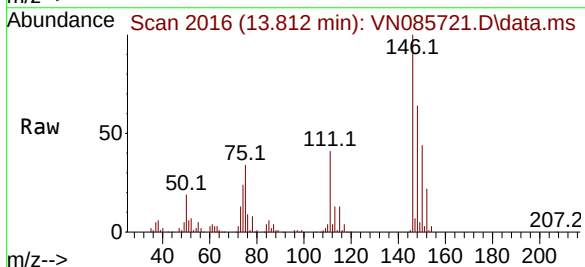
Tgt Ion:146 Resp: 137627

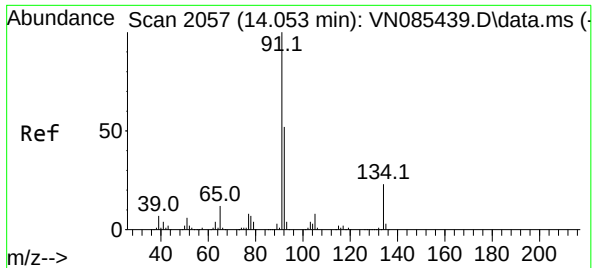
Ion Ratio Lower Upper

146 100

111 42.9 21.3 63.7

148 64.5 32.4 97.0





#89

n-Butylbenzene

Concen: 17.764 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN085721.D

Acq: 10 Feb 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tgt Ion: 91 Resp: 192550

Ion Ratio Lower Upper

91 100

92 51.9 25.8 77.3

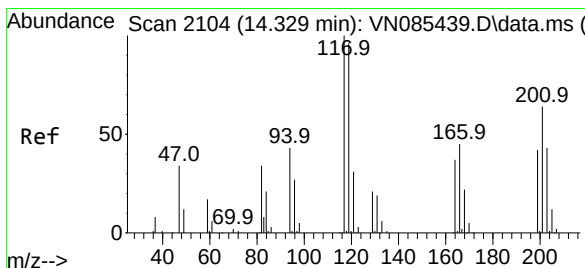
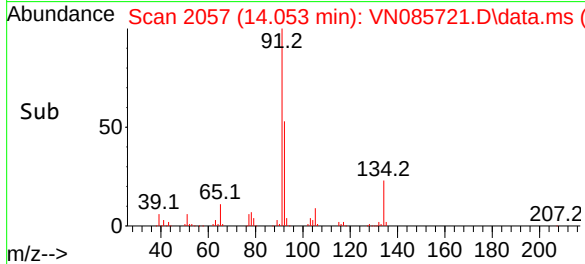
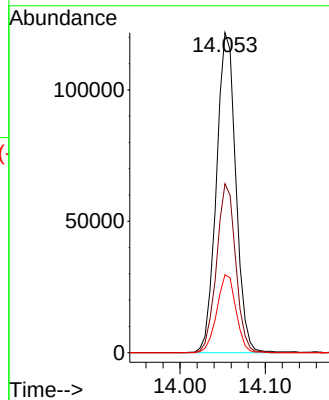
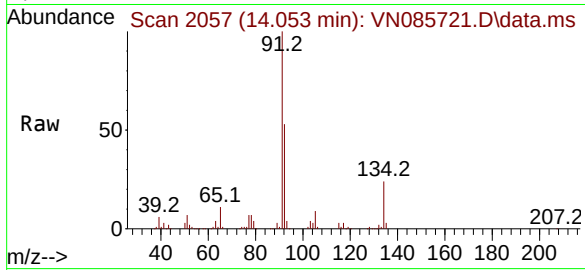
134 24.1 11.7 35.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 17.083 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. 0.000 min

Lab File: VN085721.D

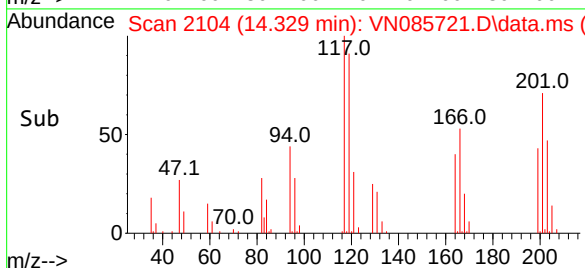
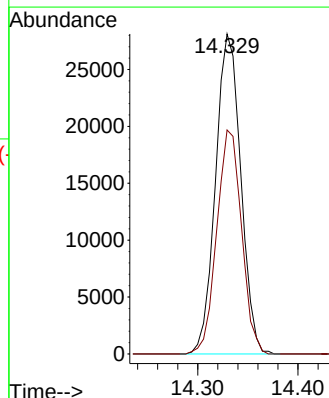
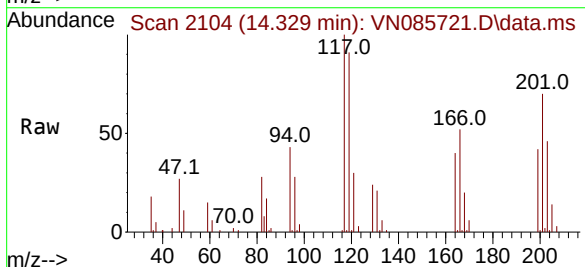
Acq: 10 Feb 2025 14:12

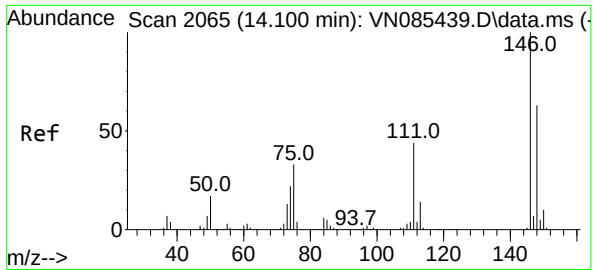
Tgt Ion:117 Resp: 49134

Ion Ratio Lower Upper

117 100

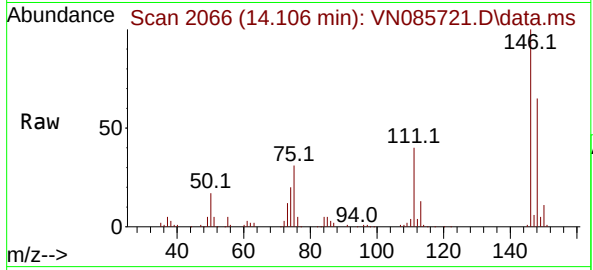
201 68.8 33.7 101.0





#91
1,2-Dichlorobenzene
Concen: 17.768 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

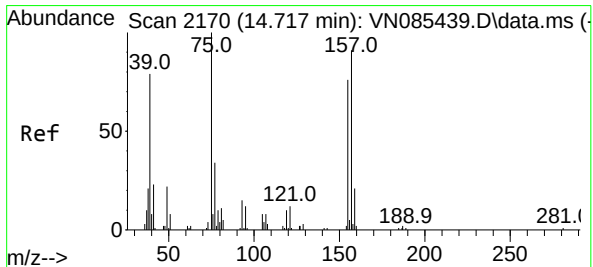
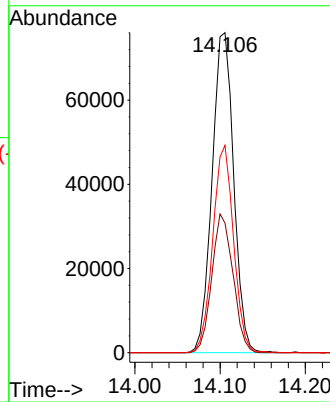
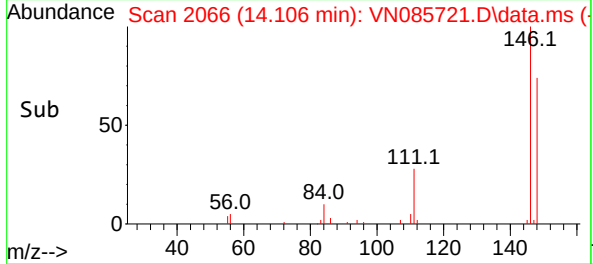
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion:146 Resp: 134010
Ion Ratio Lower Upper
146 100
111 42.4 21.7 65.1
148 62.6 31.4 94.2

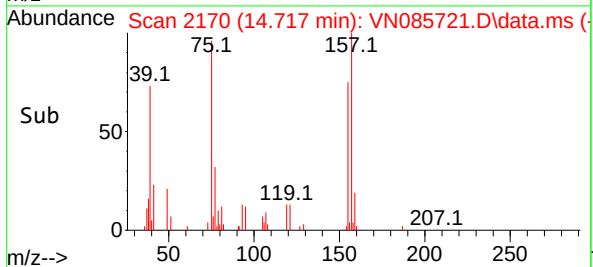
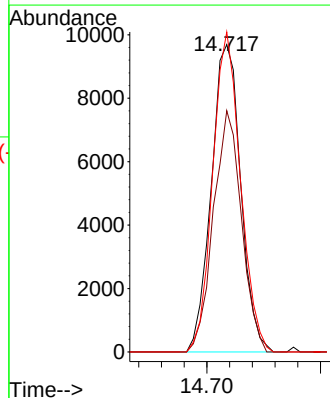
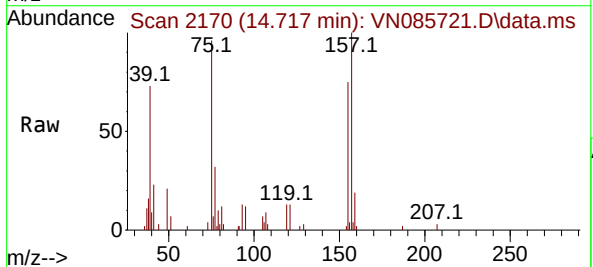
Manual Integrations
APPROVED

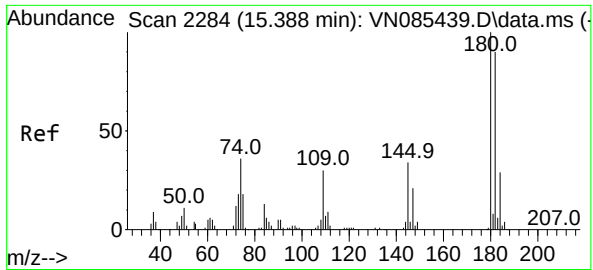
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.157 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

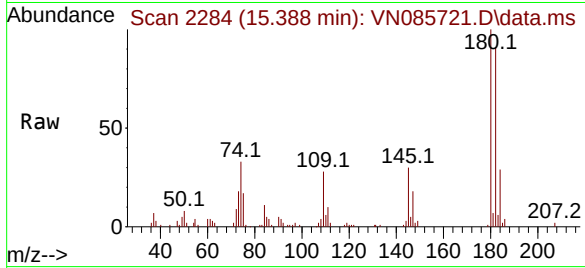
Tgt Ion: 75 Resp: 17393
Ion Ratio Lower Upper
75 100
155 75.2 36.4 109.2
157 98.4 45.4 136.1





#93
1,2,4-Trichlorobenzene
Concen: 17.385 ug/l
RT: 15.388 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

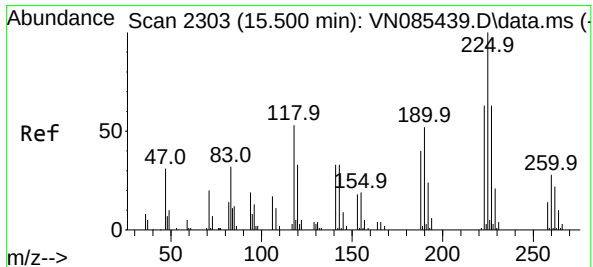
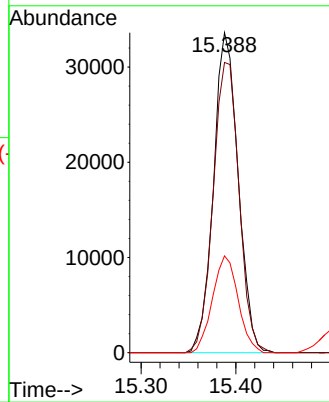
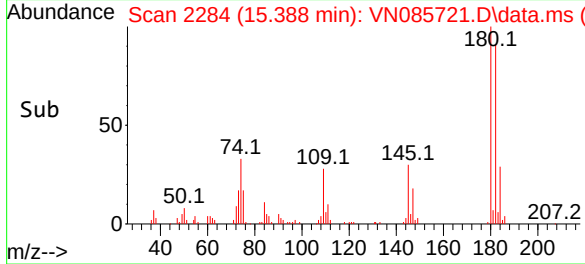
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



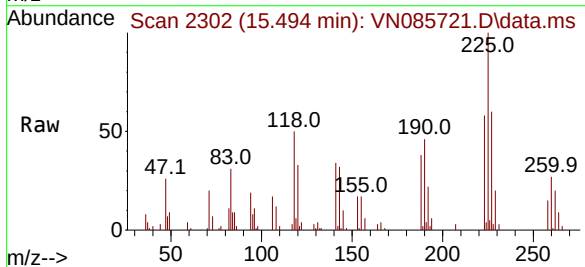
Tgt Ion:180 Resp: 60944
Ion Ratio Lower Upper
180 100
182 95.1 46.8 140.3
145 31.4 16.0 48.0

Manual Integrations
APPROVED

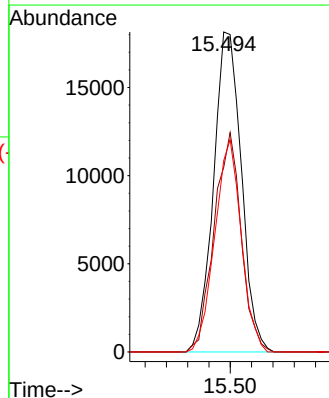
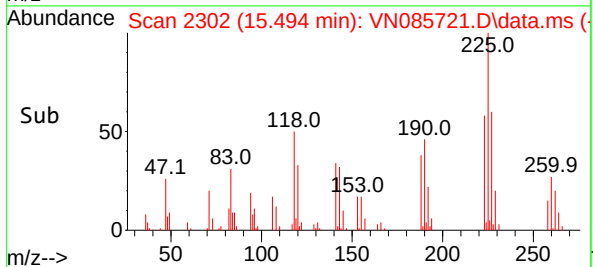
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

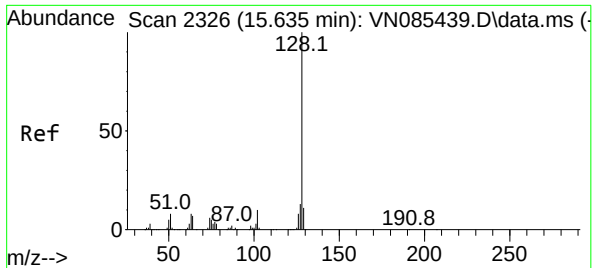


#94
Hexachlorobutadiene
Concen: 17.713 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12



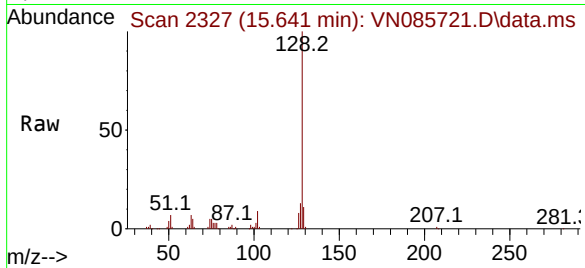
Tgt Ion:225 Resp: 32965
Ion Ratio Lower Upper
225 100
223 66.4 30.7 92.1
227 63.1 30.9 92.5





#95
Naphthalene
Concen: 16.224 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

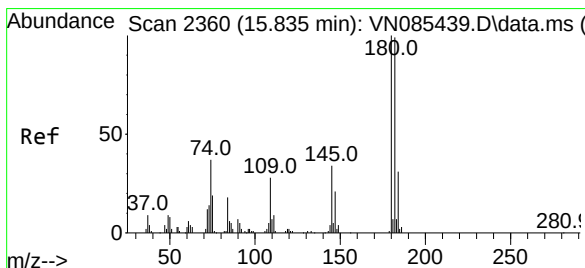
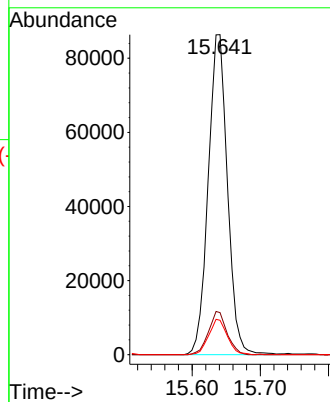
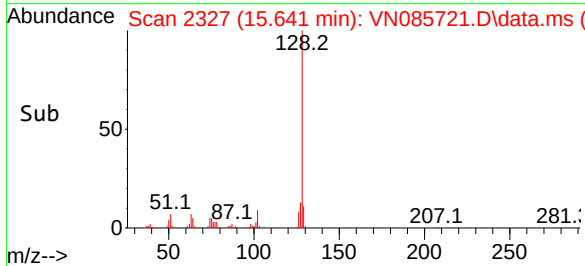
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01



Tgt Ion:128 Resp: 169714
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.7 8.8 13.2

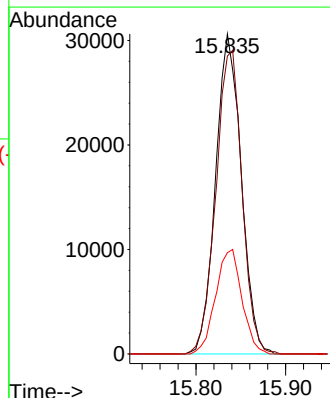
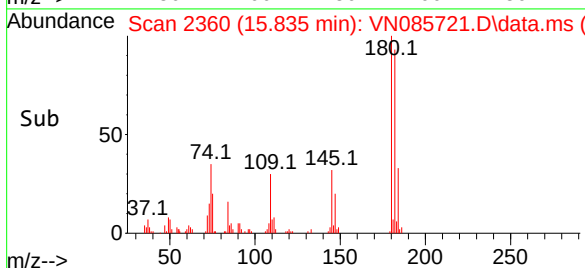
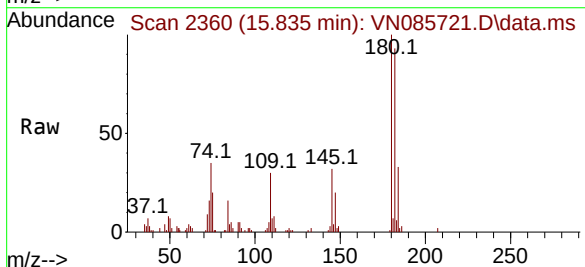
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.152 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085721.D
Acq: 10 Feb 2025 14:12

Tgt Ion:180 Resp: 60838
Ion Ratio Lower Upper
180 100
182 96.8 47.4 142.2
145 33.4 16.9 50.7



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN0210WBSD01	SDG No.:	Q1328
Lab Sample ID:	VN0210WBSD01	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
VN085733.D	1		02/10/25 18:59	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.3		0.21	1.00	ug/L
74-87-3	Chloromethane	20.4		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	21.6		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	18.4		0.38	1.00	ug/L
74-83-9	Bromomethane	20.7		1.40	5.00	ug/L
75-00-3	Chloroethane	21.1		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.6		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	110		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	21.8		0.26	1.00	ug/L
107-02-8	Acrolein	95.2		6.70	25.0	ug/L
107-13-1	Acrylonitrile	100		0.90	5.00	ug/L
67-64-1	Acetone	91.9		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	20.1		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.2		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.8		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	21.3		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	96.7		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.9		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.3		1.60	5.00	ug/L
78-93-3	2-Butanone	95.2		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.3		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	21.2		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.0		0.25	1.00	ug/L
74-97-5	Bromochloromethane	22.4		0.18	1.00	ug/L
67-66-3	Chloroform	19.9		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.7		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.1		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	19.7		0.18	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	Weekly Storage Blanks		Date Received:	
Client Sample ID:	VN0210WBSD01		SDG No.:	Q1328
Lab Sample ID:	VN0210WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085733.D	1		02/10/25 18:59	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	21.1		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.8		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.19	1.00	ug/L
74-95-3	Dibromomethane	20.1		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	20.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.7		0.75	5.00	ug/L
108-88-3	Toluene	22.1		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.7		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.1		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	20.6		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	110		1.80	5.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.2		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.3		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.8		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.8		0.21	1.00	ug/L
67-72-1	Hexachloroethane	19.2		0	0	ug/L
100-41-4	Ethyl Benzene	21.8		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	45.3		0.31	2.00	ug/L
95-47-6	o-Xylene	23.0		0.14	1.00	ug/L
100-42-5	Styrene	22.7		0.16	1.00	ug/L
75-25-2	Bromoform	22.1		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	23.0		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.8		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	19.1		0.39	1.00	ug/L
108-86-1	Bromobenzene	21.6		0.26	1.00	ug/L
103-65-1	n-propylbenzene	22.1		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	21.7		0.16	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN0210WBSD01	SDG No.:	Q1328
Lab Sample ID:	VN0210WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085733.D	1		02/10/25 18:59	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	22.5		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	21.4		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	23.0		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	23.2		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	23.1		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	23.2		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.5		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	22.8		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.1		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	21.8		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	18.8		0.31	1.00	ug/L
91-20-3	Naphthalene	24.8		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.9		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	54.4		75 - 124	109%	SPK: 50
2037-26-5	Toluene-d8	54.6		86 - 113	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.5		77 - 121	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	231000	8.224			
540-36-3	1,4-Difluorobenzene	404000	9.1			
3114-55-4	Chlorobenzene-d5	359000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	167000	13.788			

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	Weekly Storage Blanks			Date Received:	
Client Sample ID:	VN0210WBSD01			SDG No.:	Q1328
Lab Sample ID:	VN0210WBSD01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085733.D	1		02/10/25 18:59	VN021025

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\VN021025\
 Data File : VN085733.D
 Acq On : 10 Feb 2025 18:59
 Operator : JC\MD
 Sample : VN0210WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:28:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	231142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	403589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	358601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	166903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	186071	49.870	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.740%		
35) Dibromofluoromethane	8.165	113	152408	54.433	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.860%		
50) Toluene-d8	10.565	98	543357	54.619	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	109.240%		
62) 4-Bromofluorobenzene	12.847	95	195707	57.511	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	115.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	69902	22.336	ug/l	98
3) Chloromethane	2.359	50	69207	20.424	ug/l	98
4) Vinyl Chloride	2.512	62	73505	21.582	ug/l	97
5) Bromomethane	2.954	94	42642	20.727	ug/l	93
6) Chloroethane	3.118	64	45644	21.138	ug/l	94
7) Trichlorofluoromethane	3.501	101	101829	20.605	ug/l	96
8) Diethyl Ether	3.959	74	34304	20.093	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.365	101	57836	20.778	ug/l	98
10) Methyl Iodide	4.589	142	74089	23.243	ug/l	93
11) Tert butyl alcohol	5.518	59	48502	113.525	ug/l	99
12) 1,1-Dichloroethene	4.342	96	54189	21.844	ug/l	92
13) Acrolein	4.177	56	55543	95.236	ug/l	96
14) Allyl chloride	5.018	41	70783	17.584	ug/l	95
15) Acrylonitrile	5.718	53	136377	100.496	ug/l	99
16) Acetone	4.424	43	110809	91.915	ug/l	96
17) Carbon Disulfide	4.712	76	153388	20.082	ug/l	99
18) Methyl Acetate	5.024	43	70306	19.179	ug/l	93
19) Methyl tert-butyl Ether	5.795	73	171132	21.245	ug/l	97
20) Methylene Chloride	5.271	84	62100	20.808	ug/l	89
21) trans-1,2-Dichloroethene	5.789	96	56508	21.315	ug/l	97
22) Diisopropyl ether	6.671	45	171243	19.166	ug/l	97
23) Vinyl Acetate	6.600	43	604661m	96.704	ug/l	
24) 1,1-Dichloroethane	6.571	63	108507	19.917	ug/l	98
25) 2-Butanone	7.483	43	168816	95.157	ug/l #	89
26) 2,2-Dichloropropane	7.489	77	93490	21.226	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	65572	20.999	ug/l	93
28) Bromochloromethane	7.812	49	56710	22.375	ug/l	86
29) Tetrahydrofuran	7.836	42	114064	101.411	ug/l	91
30) Chloroform	7.965	83	112224	19.931	ug/l	98
31) Cyclohexane	8.253	56	86612	18.291	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	102075	20.667	ug/l	95
36) 1,1-Dichloropropene	8.371	75	77259	19.661	ug/l	99
37) Ethyl Acetate	7.559	43	72999	18.404	ug/l	98
38) Carbon Tetrachloride	8.359	117	91209	20.274	ug/l	99
39) Methylcyclohexane	9.600	83	74319	20.126	ug/l	95
40) Benzene	8.606	78	248602	21.055	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
 Data File : VN085733.D
 Acq On : 10 Feb 2025 18:59
 Operator : JC\MD
 Sample : VN0210WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:28:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	39995	19.381	ug/l	97
42) 1,2-Dichloroethane	8.671	62	86733	19.504	ug/l	99
43) Isopropyl Acetate	8.688	43	130144	20.477	ug/l	99
44) Trichloroethene	9.347	130	57172	20.802	ug/l	92
45) 1,2-Dichloropropane	9.618	63	59156	19.615	ug/l	97
46) Dibromomethane	9.706	93	43727	20.094	ug/l	95
47) Bromodichloromethane	9.882	83	89840	20.264	ug/l	99
48) Methyl methacrylate	9.677	41	55422	19.377	ug/l	92
49) 1,4-Dioxane	9.694	88	22461	466.342	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	364061	98.714	ug/l	95
52) Toluene	10.629	92	150953	22.065	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	86648	20.681	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	94546	21.126	ug/l	92
55) 1,1,2-Trichloroethane	11.012	97	57705	21.313	ug/l	98
56) Ethyl methacrylate	10.871	69	83395	19.510	ug/l	91
57) 1,3-Dichloropropane	11.159	76	97185	20.644	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	181891	105.866	ug/l	97
59) 2-Hexanone	11.194	43	262185	101.034	ug/l	93
60) Dibromochloromethane	11.359	129	69068	21.130	ug/l	99
61) 1,2-Dibromoethane	11.465	107	57030	21.161	ug/l	100
64) Tetrachloroethene	11.100	164	52118	21.319	ug/l	95
65) Chlorobenzene	11.888	112	163378	20.797	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	60097	20.844	ug/l	98
67) Ethyl Benzene	11.959	91	278845	21.793	ug/l	100
68) m/p-Xylenes	12.071	106	214296	45.317	ug/l	97
69) o-Xylene	12.394	106	103912	22.994	ug/l	97
70) Styrene	12.406	104	170141	22.749	ug/l	98
71) Bromoform	12.576	173	45609	22.108	ug/l #	98
73) Isopropylbenzene	12.694	105	258819	22.976	ug/l	98
74) N-amyl acetate	12.494	43	100274	19.805	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	82681	20.779	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	64639m	19.054	ug/l	
77) Bromobenzene	12.976	156	63556	21.596	ug/l	94
78) n-propylbenzene	13.035	91	294746	22.103	ug/l	98
79) 2-Chlorotoluene	13.123	91	187503	21.725	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	209301	22.494	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	26603	21.217	ug/l	86
82) 4-Chlorotoluene	13.218	91	184197	21.435	ug/l	97
83) tert-Butylbenzene	13.435	119	179417	22.962	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	215295	23.216	ug/l	99
85) sec-Butylbenzene	13.612	105	250416	23.123	ug/l	99
86) p-Isopropyltoluene	13.723	119	210787	23.155	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	116748	21.541	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	112036	19.943	ug/l	99
89) n-Butylbenzene	14.053	91	177324	22.824	ug/l	96
90) Hexachloroethane	14.329	117	39638	19.226	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	113871	21.063	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15149	20.849	ug/l	84
93) 1,2,4-Trichlorobenzene	15.388	180	54735	21.784	ug/l	98
94) Hexachlorobutadiene	15.500	225	25144	18.849	ug/l	94
95) Naphthalene	15.635	128	185618	24.756	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	53261	20.949	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085733.D
Acq On : 10 Feb 2025 18:59
Operator : JC\MD
Sample : VN0210WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:28:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

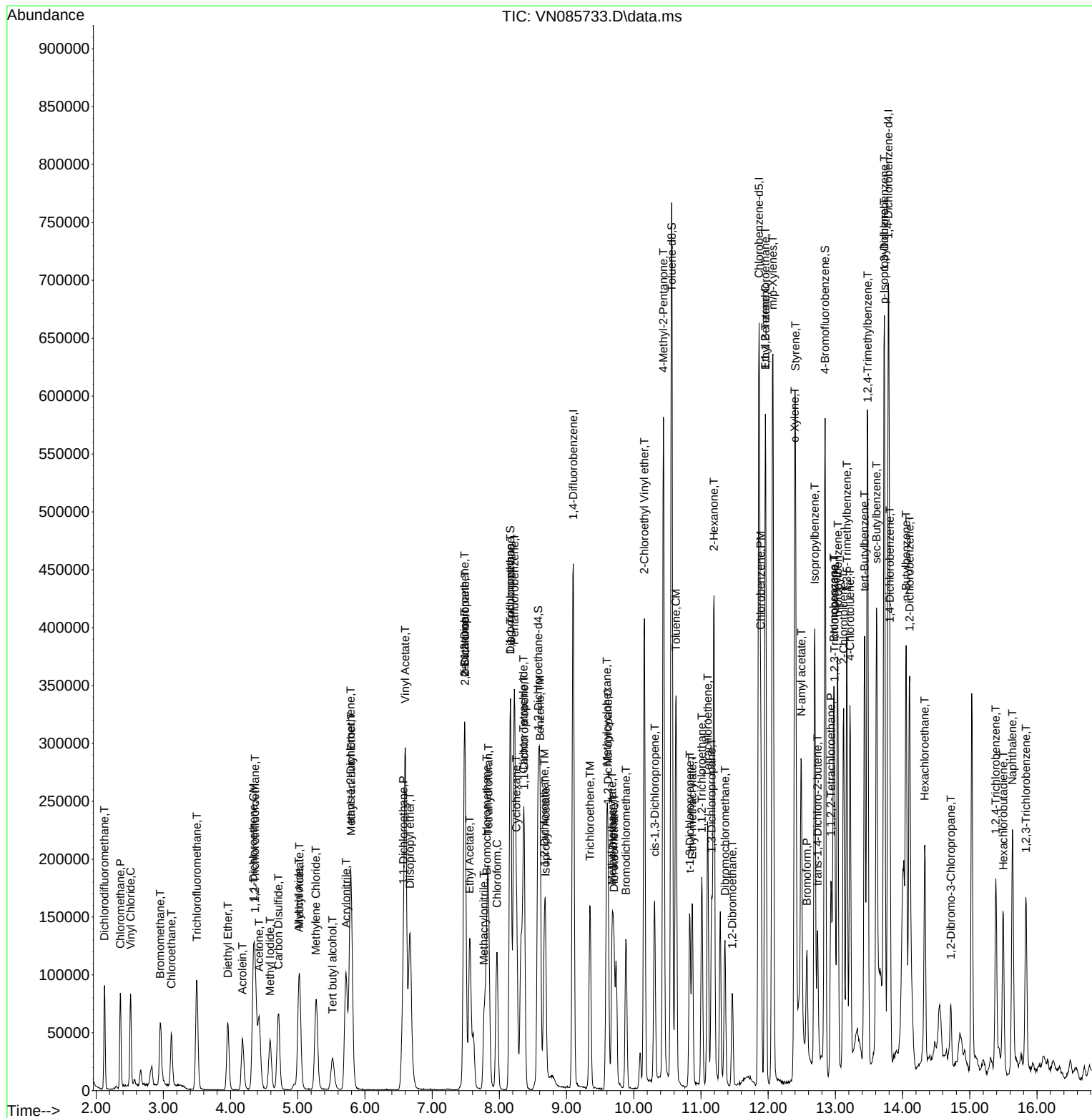
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

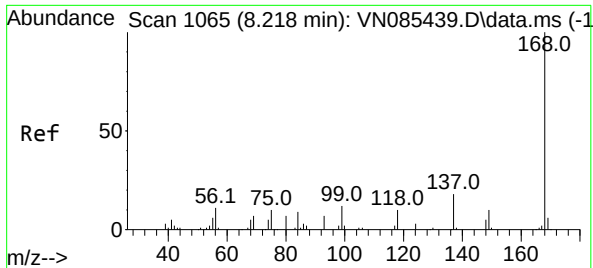
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Manual Integrations

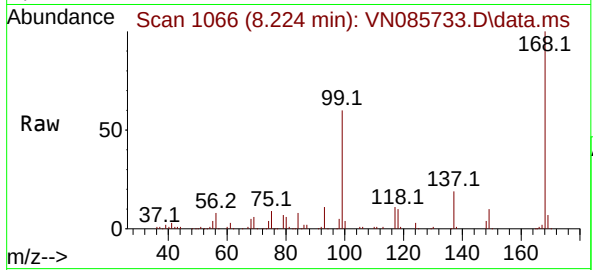
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

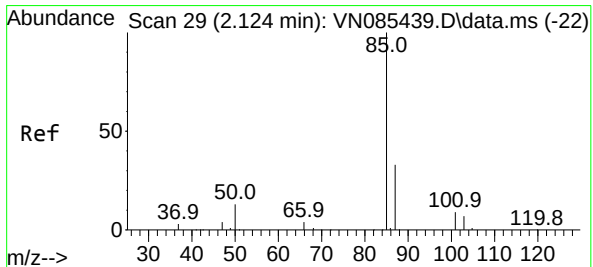
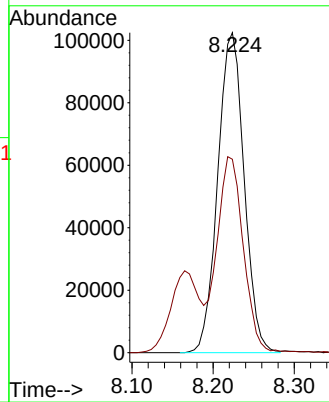
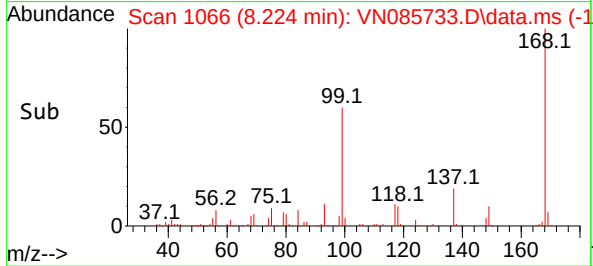
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion:168 Resp: 23114
Ion Ratio Lower Upper
168 100
99 60.0 53.6 80.4

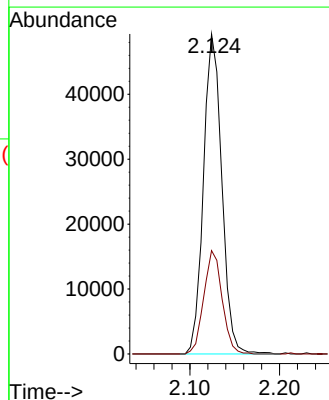
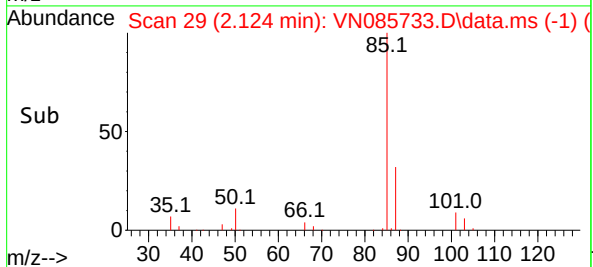
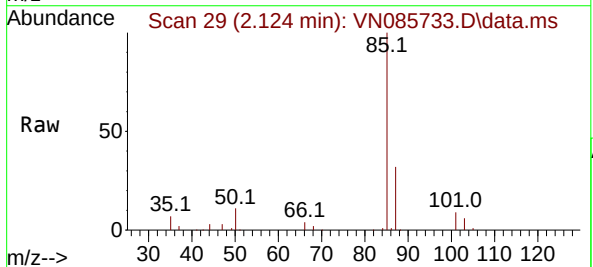
Manual Integrations
APPROVED

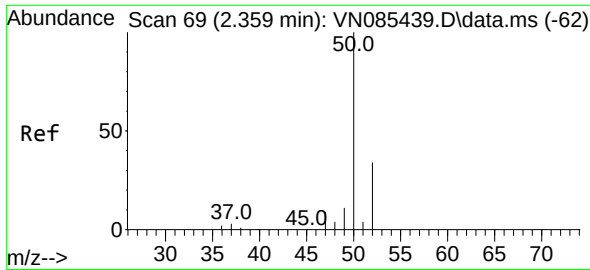
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 22.336 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion: 85 Resp: 69902
Ion Ratio Lower Upper
85 100
87 32.3 16.7 50.1





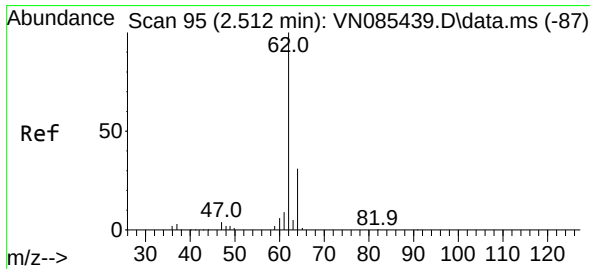
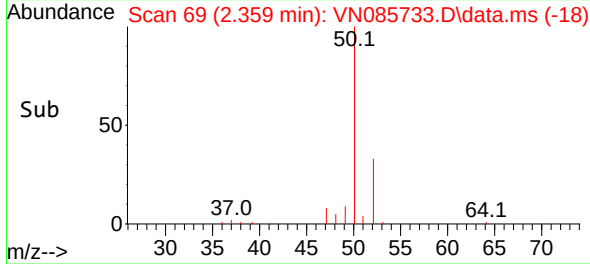
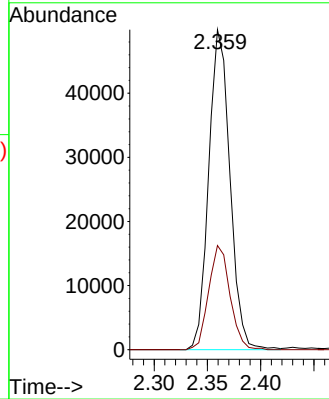
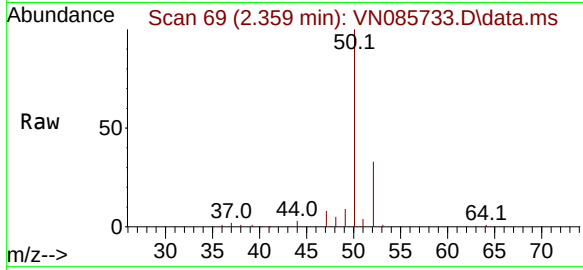
#3
Chloromethane
Concen: 20.424 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion: 50 Resp: 6920
Ion Ratio Lower Upper
50 100
52 32.6 27.0 40.6

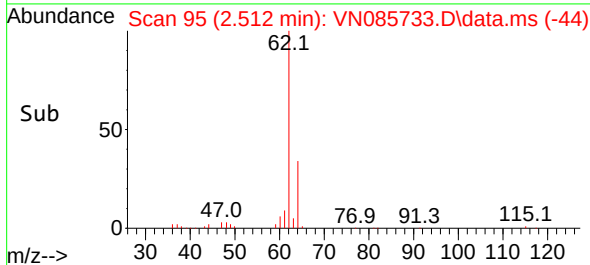
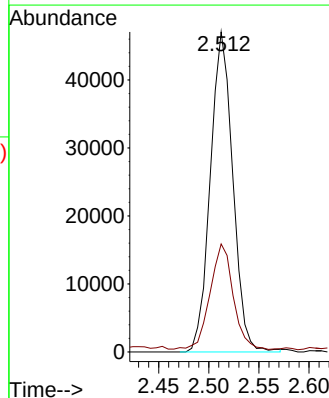
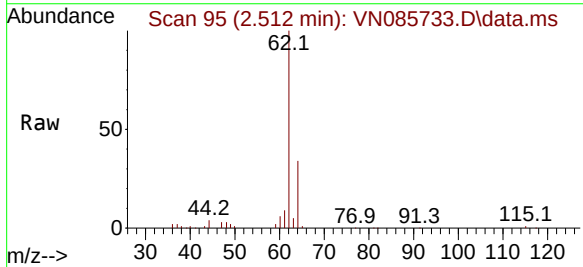
Manual Integrations
APPROVED

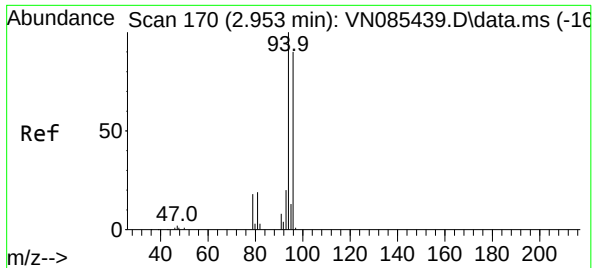
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 21.582 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion: 62 Resp: 73505
Ion Ratio Lower Upper
62 100
64 32.7 24.8 37.2





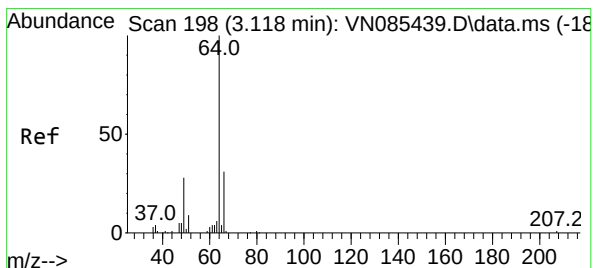
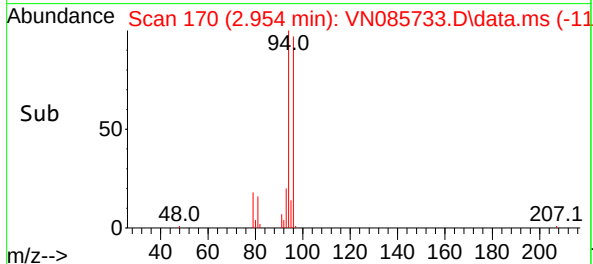
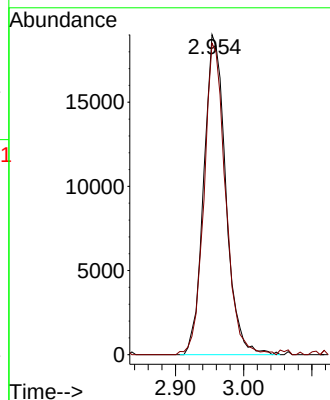
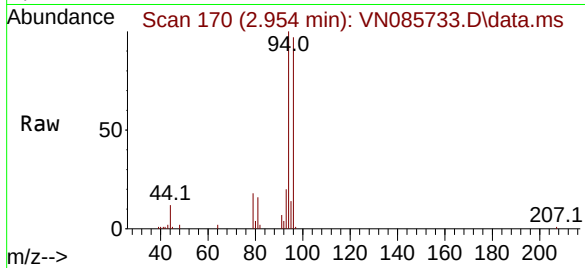
#5
Bromomethane
Concen: 20.727 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion: 94 Resp: 4264
Ion Ratio Lower Upper
94 100
96 96.3 71.8 107.6

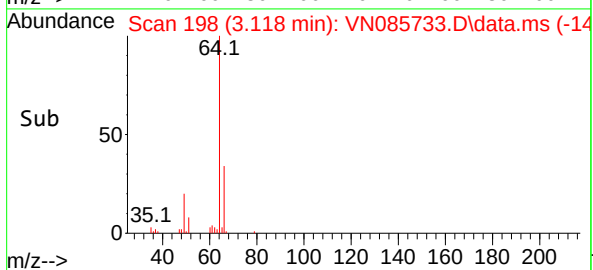
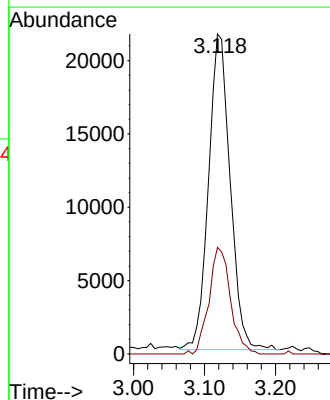
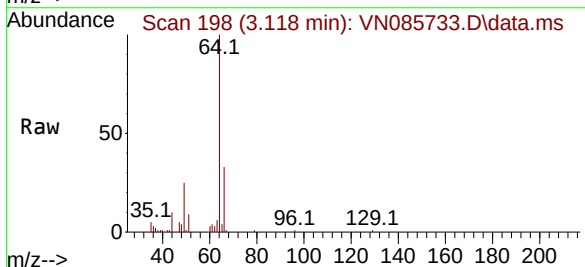
Manual Integrations
APPROVED

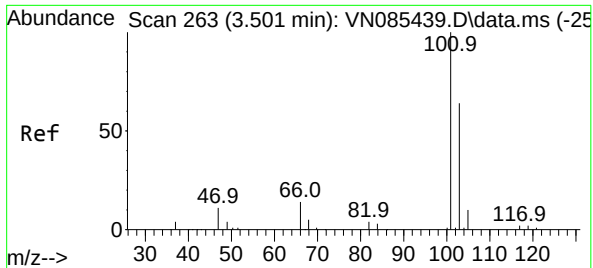
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 21.138 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion: 64 Resp: 45644
Ion Ratio Lower Upper
64 100
66 33.8 24.6 36.8





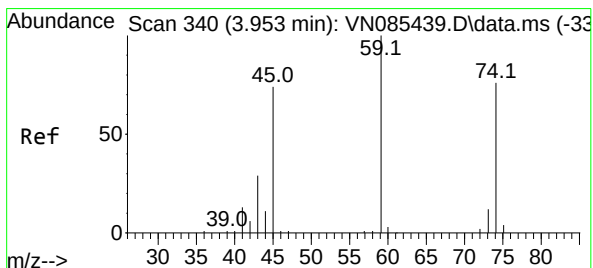
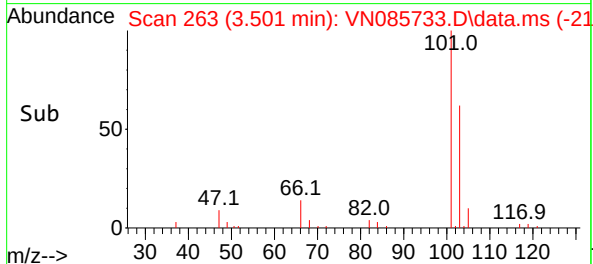
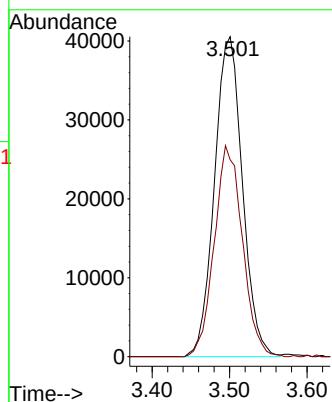
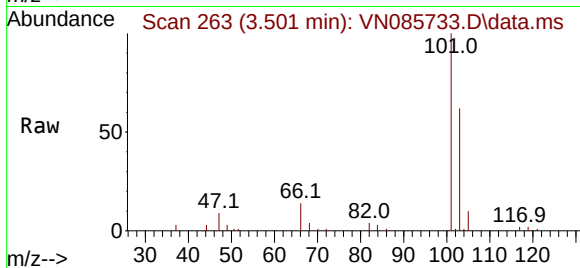
#7
Trichlorofluoromethane
Concen: 20.605 ug/l
RT: 3.501 min Scan# 201
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion:101 Resp: 101829
Ion Ratio Lower Upper
101 100
103 61.6 51.4 77.2

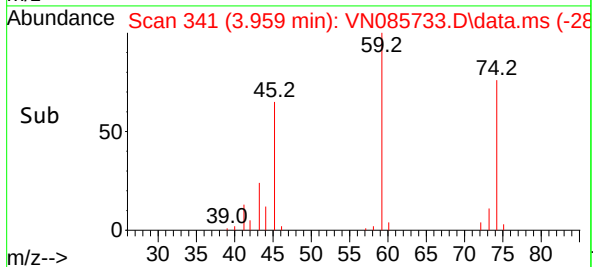
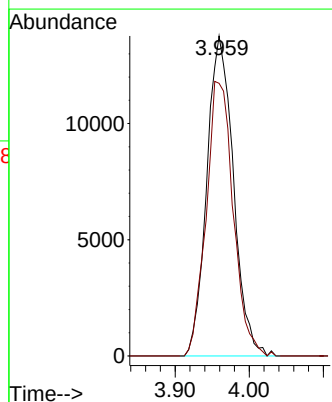
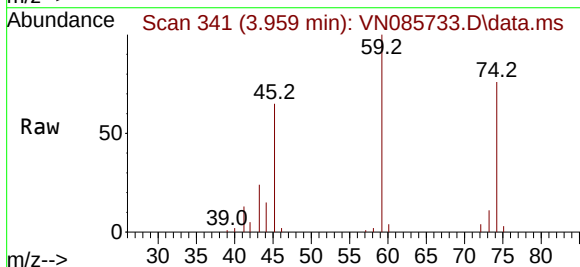
Manual Integrations
APPROVED

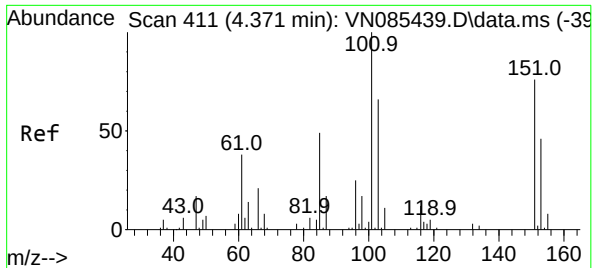
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 20.093 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion: 74 Resp: 34304
Ion Ratio Lower Upper
74 100
45 87.6 49.7 149.1





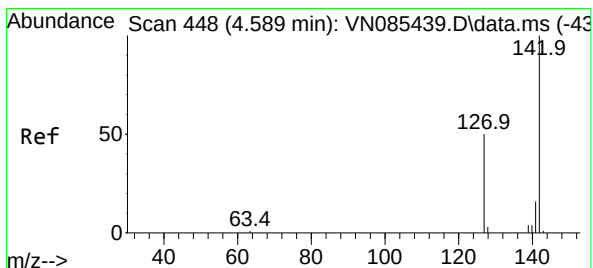
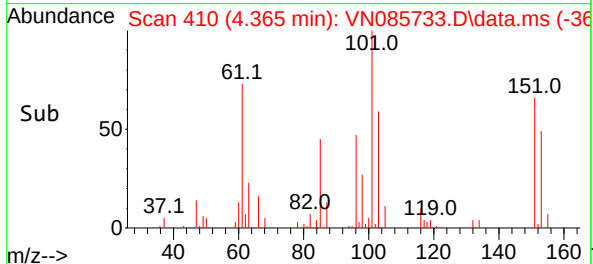
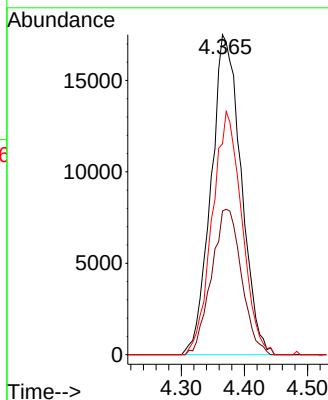
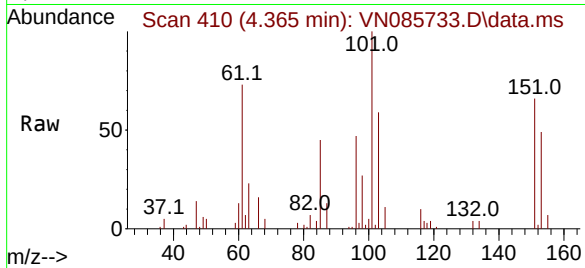
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.778 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion:101 Resp: 57830
Ion Ratio Lower Upper
101 100
85 45.5 37.8 56.8
151 75.1 58.8 88.2

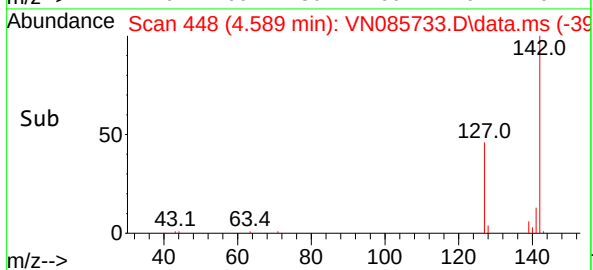
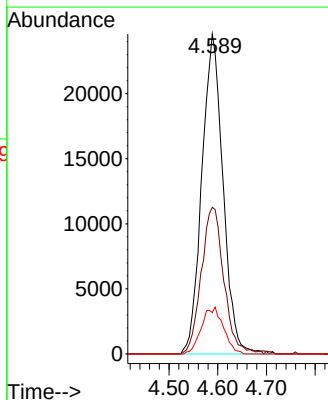
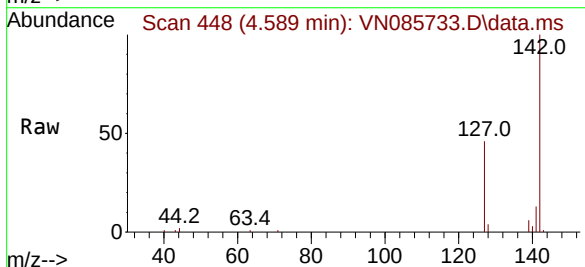
Manual Integrations
APPROVED

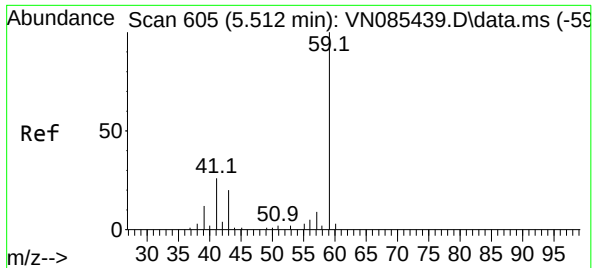
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#10
Methyl Iodide
Concen: 23.243 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion:142 Resp: 74089
Ion Ratio Lower Upper
142 100
127 45.8 40.3 60.5
141 12.9 12.8 19.2





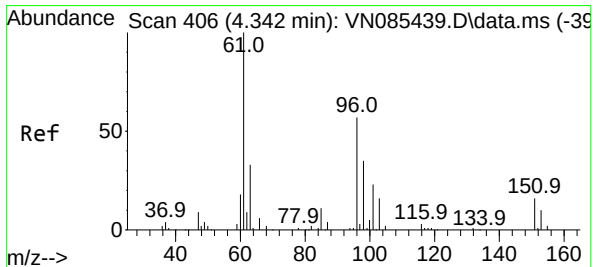
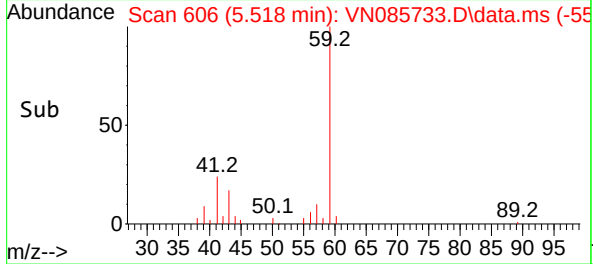
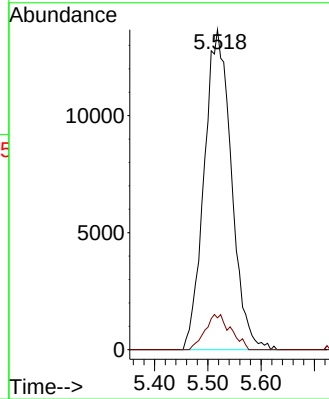
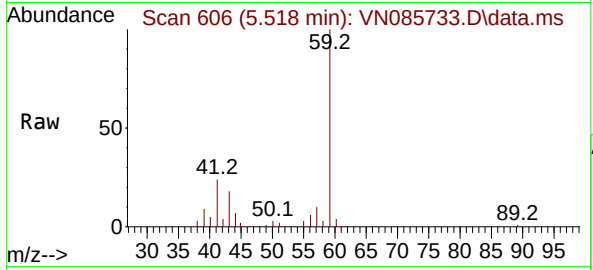
#11
Tert butyl alcohol
Concen: 113.525 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion: 59 Resp: 4850
Ion Ratio Lower Upper
59 100
57 10.4 8.6 13.0

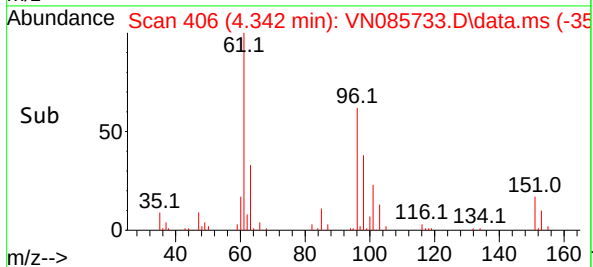
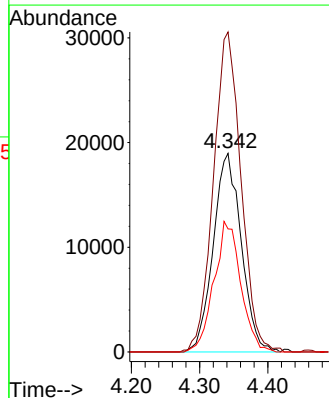
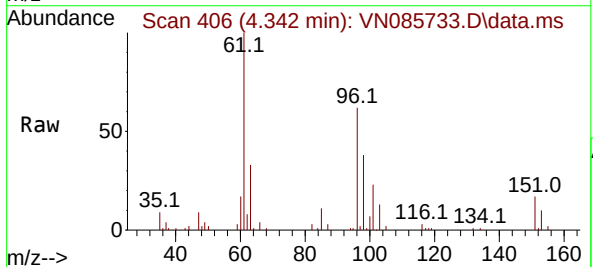
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APPROVED

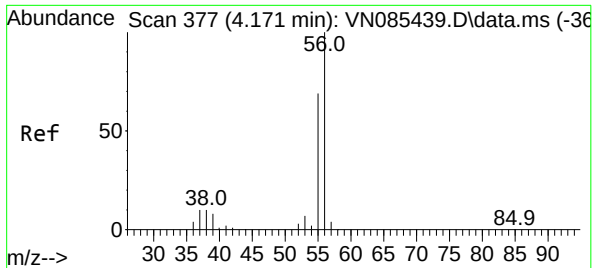
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#12
1,1-Dichloroethene
Concen: 21.844 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion: 96 Resp: 54189
Ion Ratio Lower Upper
96 100
61 161.2 141.0 211.4
98 62.0 49.0 73.6





#13

Acrolein

Concen: 95.236 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 56 Resp: 5554

Ion Ratio Lower Upper

56 100

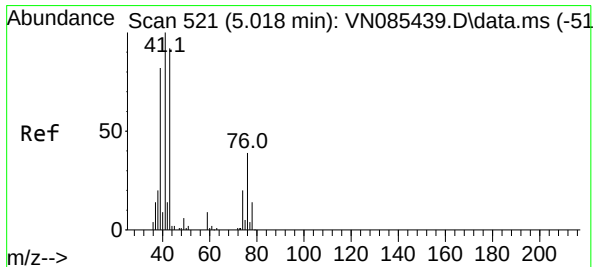
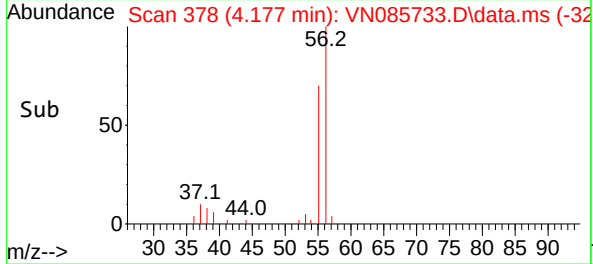
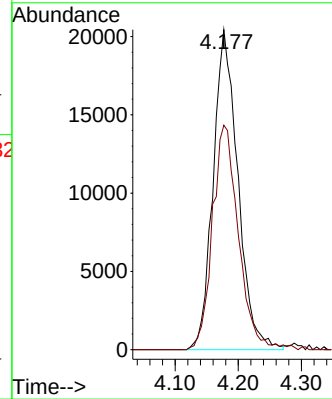
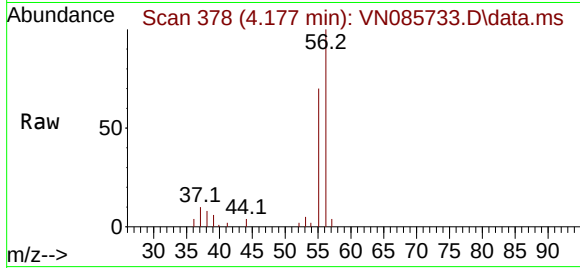
55 73.9 56.3 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 17.584 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

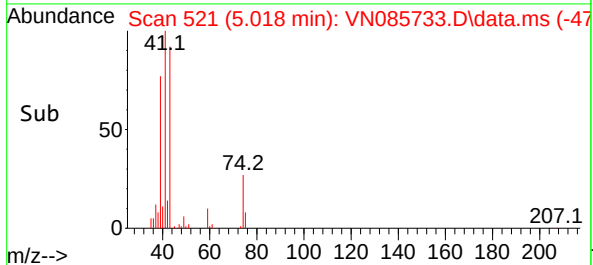
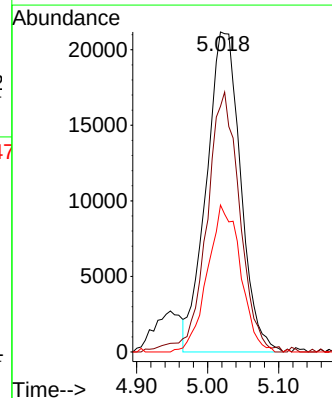
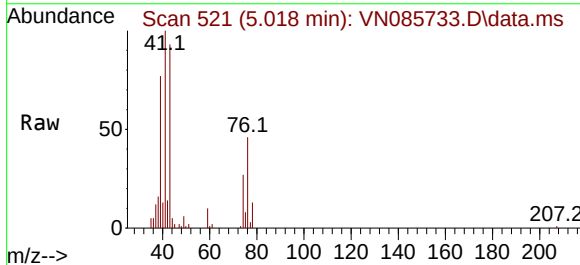
Tgt Ion: 41 Resp: 70783

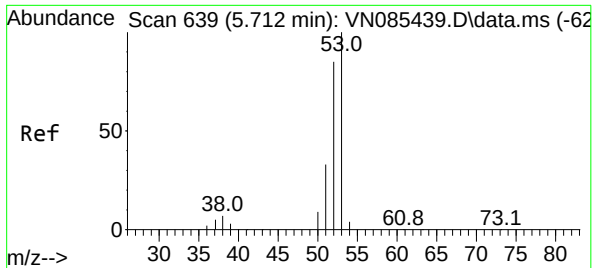
Ion Ratio Lower Upper

41 100

39 78.4 64.4 96.6

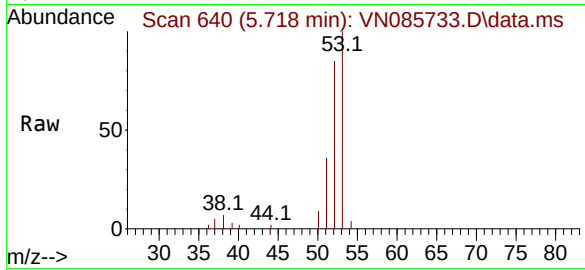
76 44.4 30.5 45.7





#15
Acrylonitrile
Concen: 100.496 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

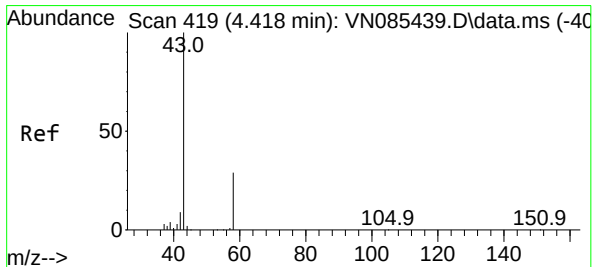
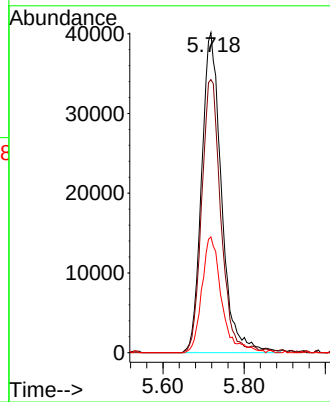
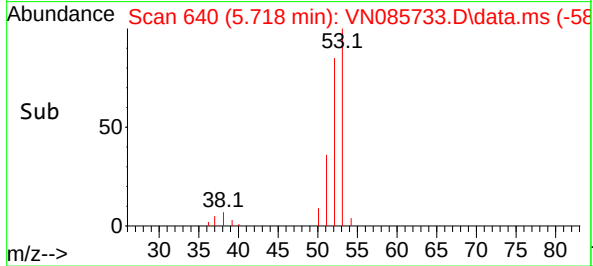
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion: 53 Resp: 13637
Ion Ratio Lower Upper
53 100
52 81.7 65.5 98.3
51 36.0 29.8 44.8

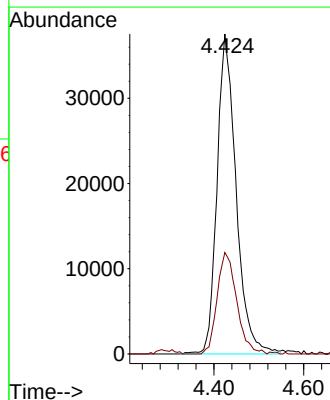
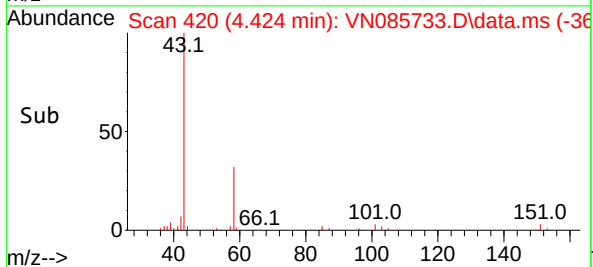
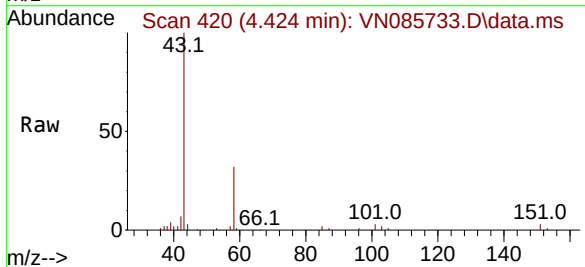
Manual Integrations
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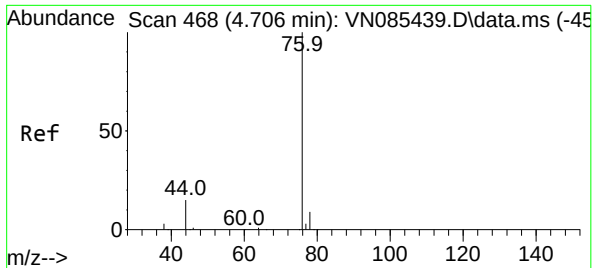
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#16
Acetone
Concen: 91.915 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion: 43 Resp: 110809
Ion Ratio Lower Upper
43 100
58 31.7 23.8 35.6





#17

Carbon Disulfide

Concen: 20.082 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.006 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 76 Resp: 15338

Ion Ratio Lower Upper

76 100

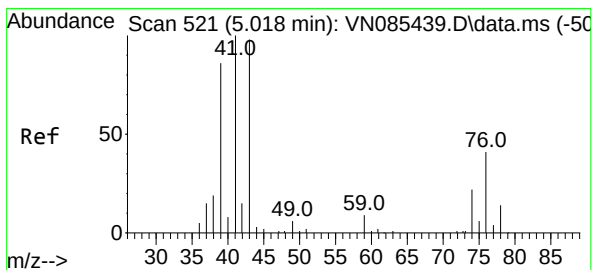
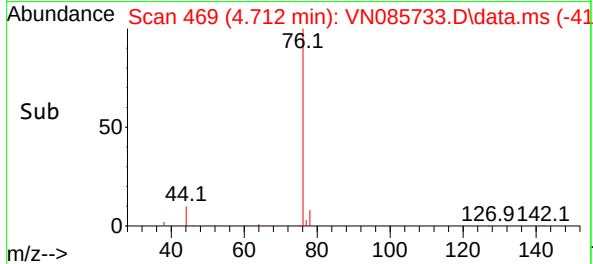
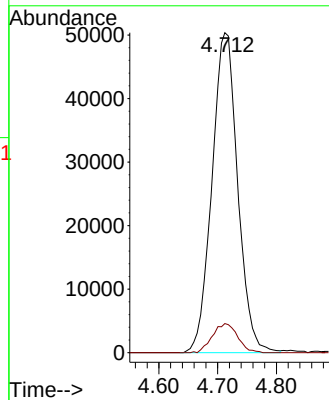
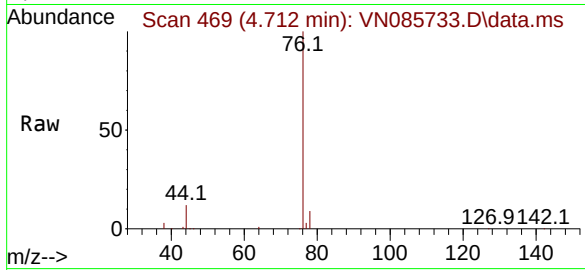
78 9.1 6.9 10.3

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

Methyl Acetate

Concen: 19.179 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN085733.D

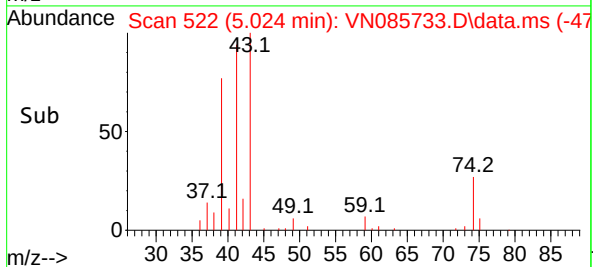
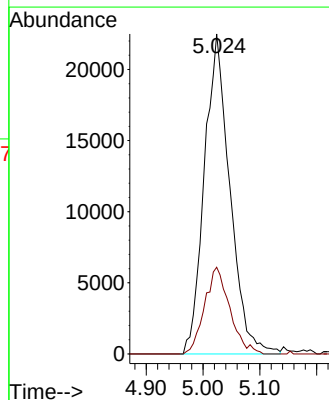
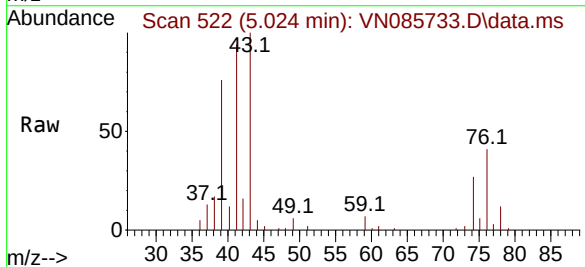
Acq: 10 Feb 2025 18:59

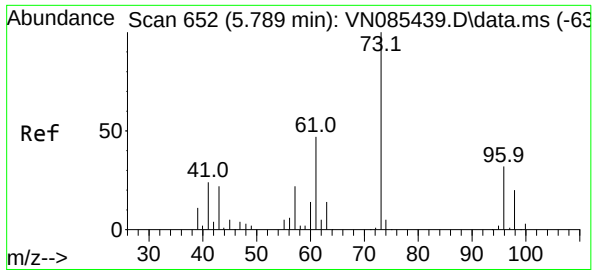
Tgt Ion: 43 Resp: 70306

Ion Ratio Lower Upper

43 100

74 26.8 18.6 28.0





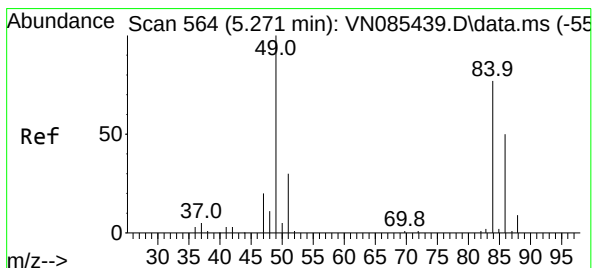
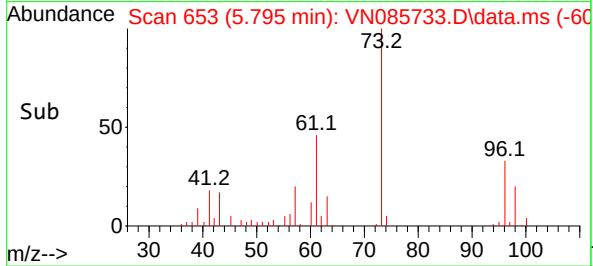
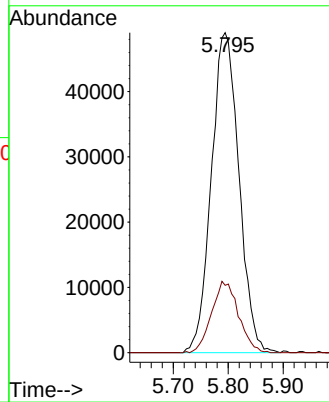
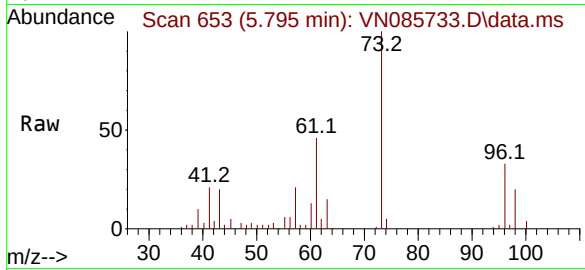
#19
Methyl tert-butyl Ether
Concen: 21.245 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion: 73 Resp: 17113
Ion Ratio Lower Upper
73 100
57 21.0 17.8 26.8

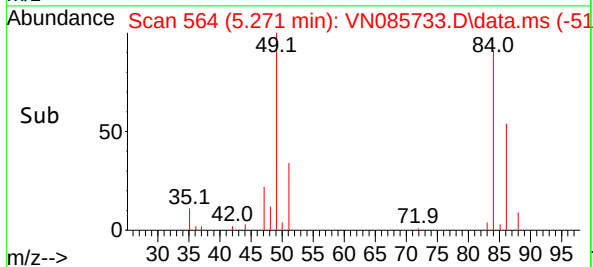
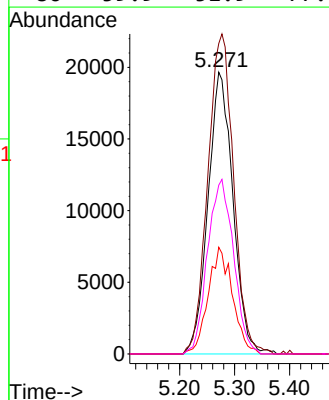
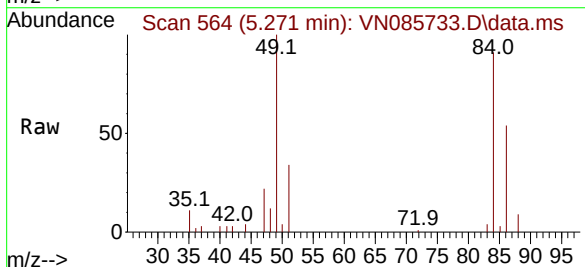
Manual Integrations
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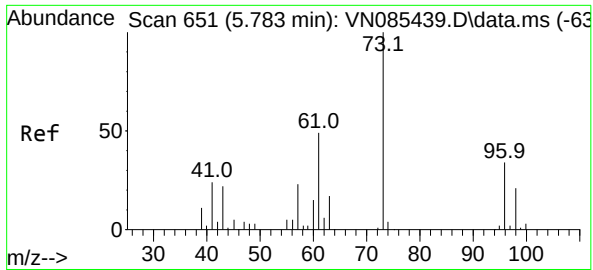
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#20
Methylene Chloride
Concen: 20.808 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

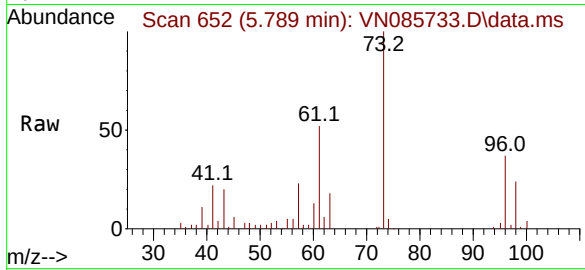
Tgt Ion: 84 Resp: 62100
Ion Ratio Lower Upper
84 100
49 110.2 104.1 156.1
51 37.9 31.0 46.4
86 59.9 51.9 77.9





#21
trans-1,2-Dichloroethene
Concen: 21.315 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

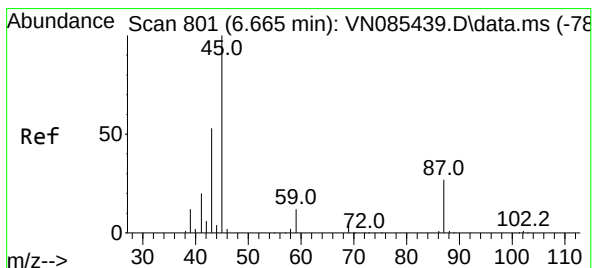
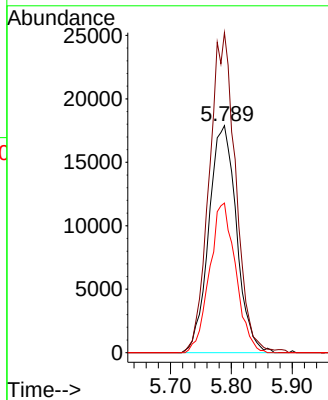
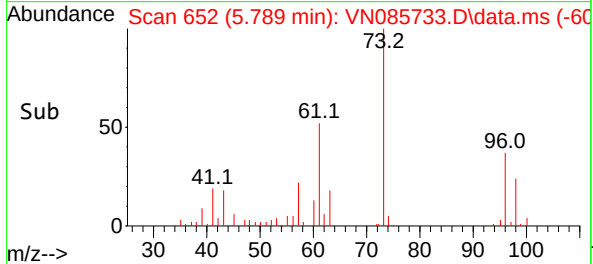
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion: 96 Resp: 56508
Ion Ratio Lower Upper
96 100
61 141.0 115.7 173.5
98 65.9 49.8 74.8

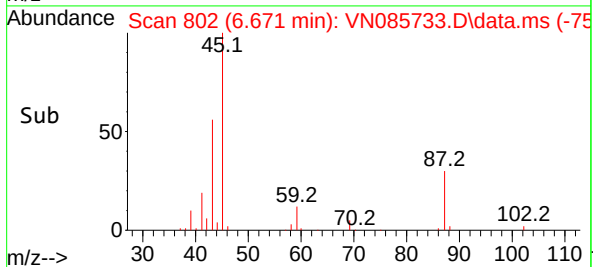
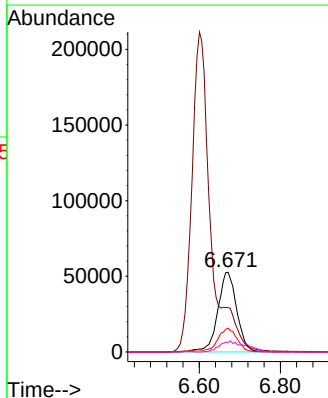
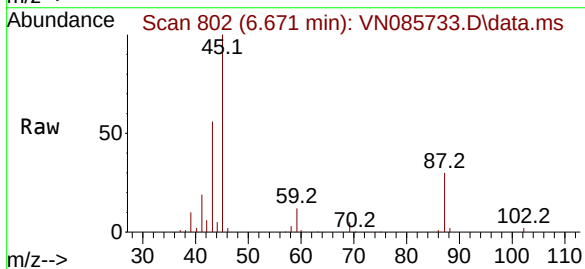
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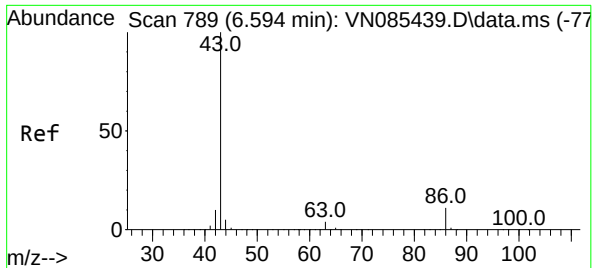
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#22
Diisopropyl ether
Concen: 19.166 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion: 45 Resp: 171243
Ion Ratio Lower Upper
45 100
43 54.6 45.0 67.6
87 29.9 21.8 32.8
59 11.9 10.2 15.2





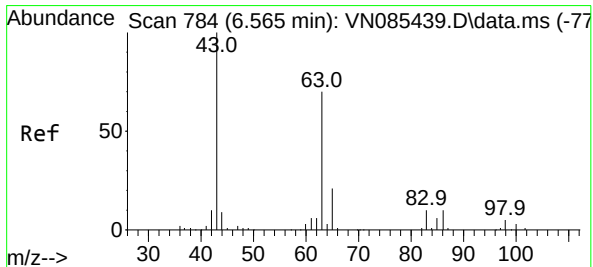
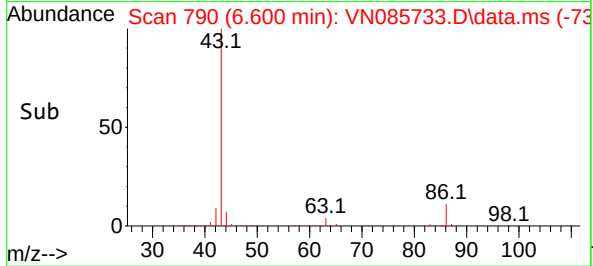
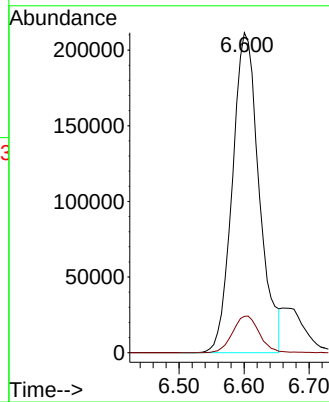
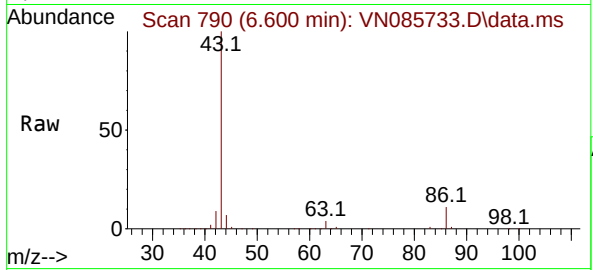
#23
 Vinyl Acetate
 Concen: 96.704 ug/l m
 RT: 6.600 min Scan# 790
 Delta R.T. 0.006 min
 Lab File: VN085733.D
 Acq: 10 Feb 2025 18:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01

Tgt Ion: 43 Resp: 60466
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.4 12.6

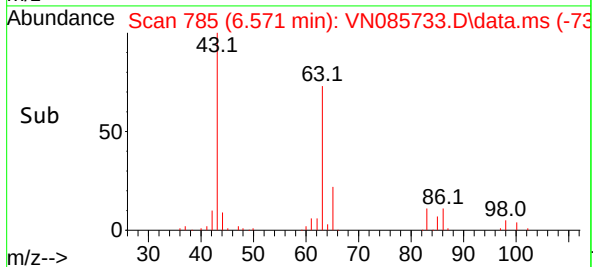
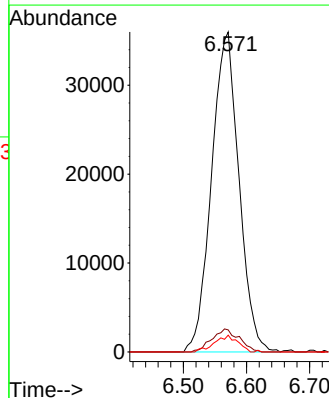
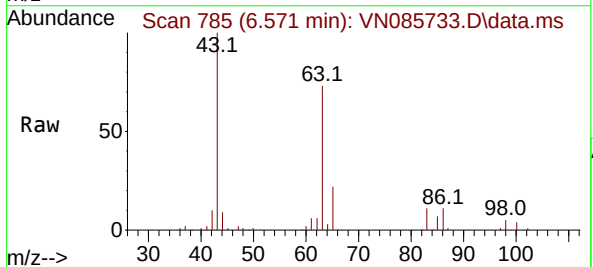
Manual Integrations
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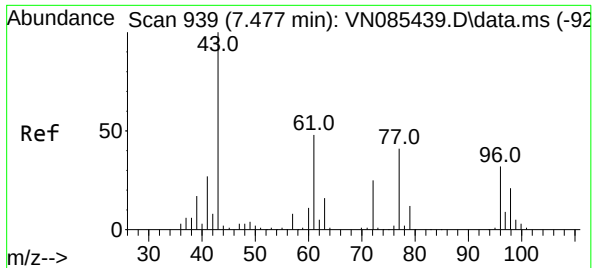
Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025



#24
 1,1-Dichloroethane
 Concen: 19.917 ug/l
 RT: 6.571 min Scan# 785
 Delta R.T. 0.006 min
 Lab File: VN085733.D
 Acq: 10 Feb 2025 18:59

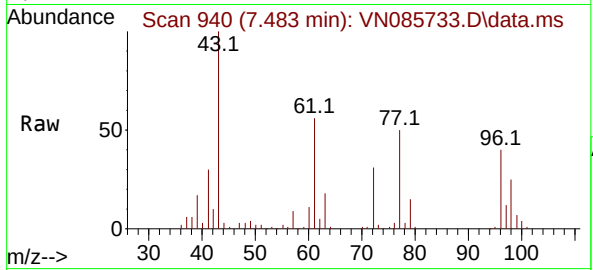
Tgt Ion: 63 Resp: 108507
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 5.3 2.0 6.0





#25
2-Butanone
Concen: 95.157 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

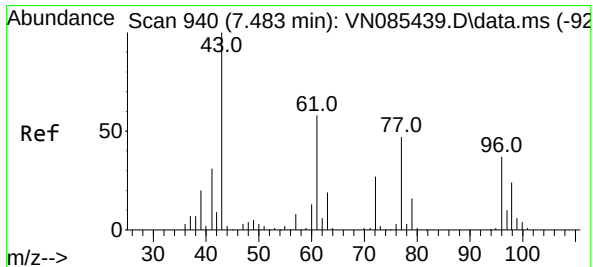
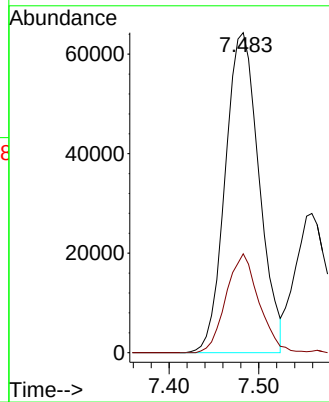
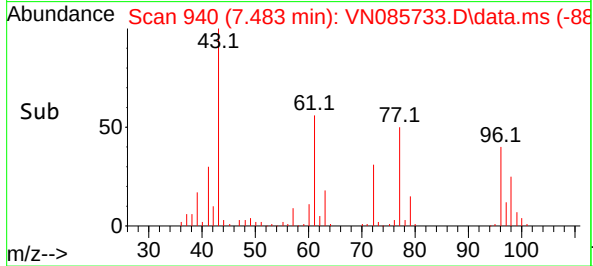
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion: 43 Resp: 168810
Ion Ratio Lower Upper
43 100
72 30.9 20.2 30.4

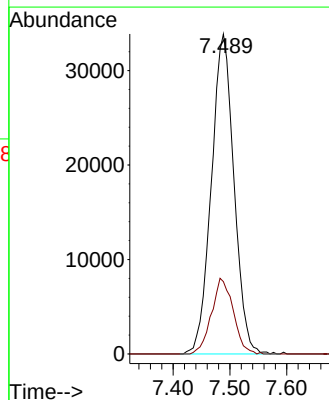
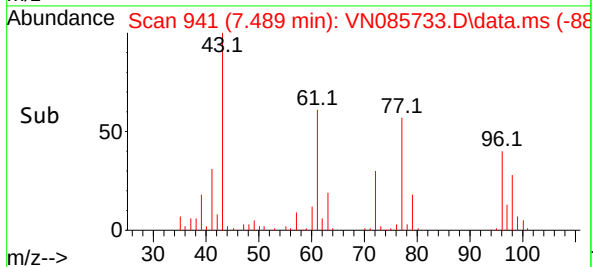
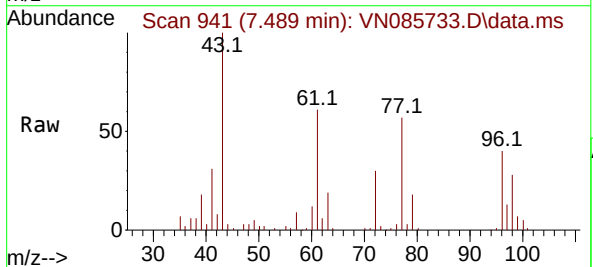
Manual Integrations
APPROVED

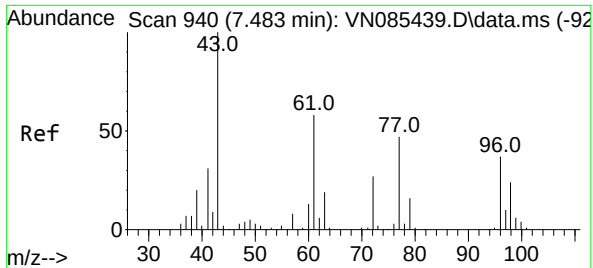
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#26
2,2-Dichloropropane
Concen: 21.226 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

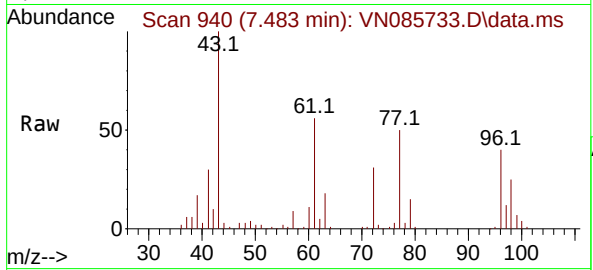
Tgt Ion: 77 Resp: 93490
Ion Ratio Lower Upper
77 100
97 22.8 10.7 32.1





#27
cis-1,2-Dichloroethene
Concen: 20.999 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

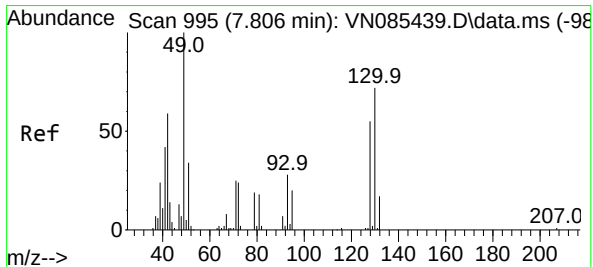
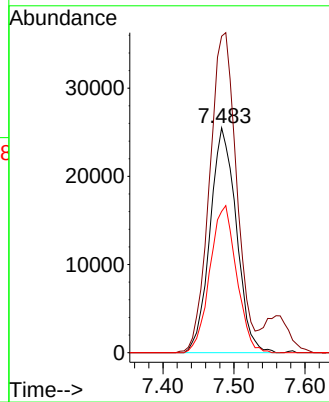
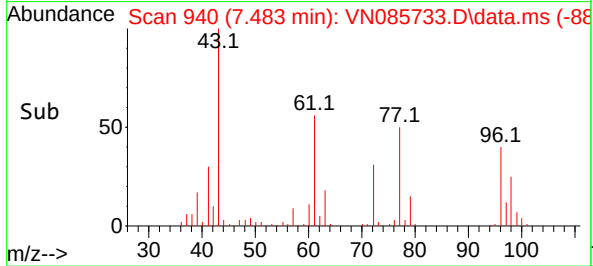
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion: 96 Resp: 65572
Ion Ratio Lower Upper
96 100
61 145.6 0.0 311.8
98 66.3 0.0 126.0

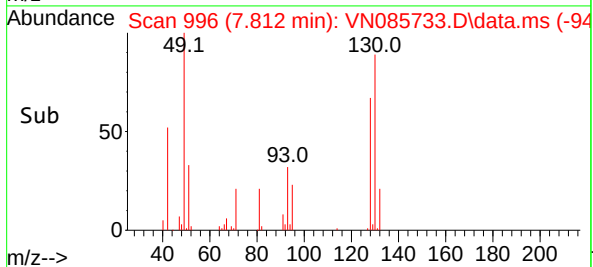
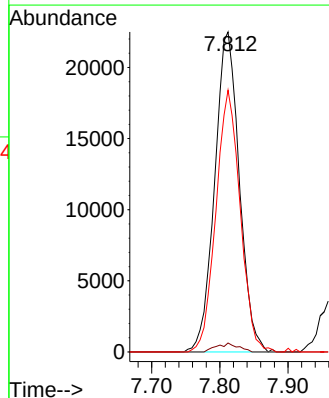
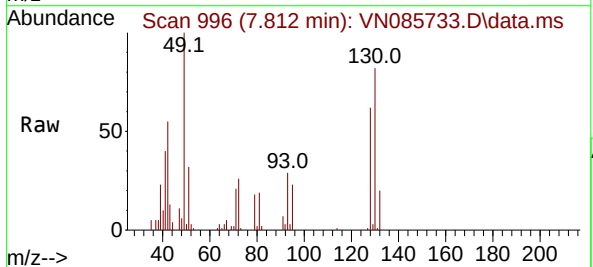
Manual Integrations
APPROVED

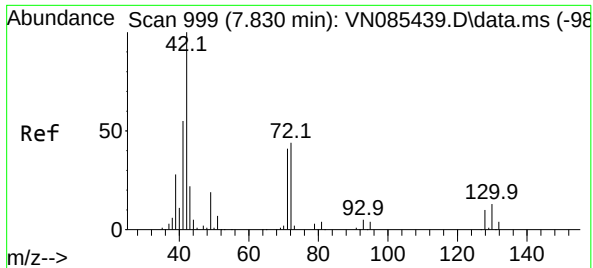
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#28
Bromochloromethane
Concen: 22.375 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion: 49 Resp: 56710
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.4
130 80.3 55.0 82.4





#29

Tetrahydrofuran

Concen: 101.411 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 42 Resp: 114064

Ion Ratio Lower Upper

42 100

72 48.5 34.2 51.2

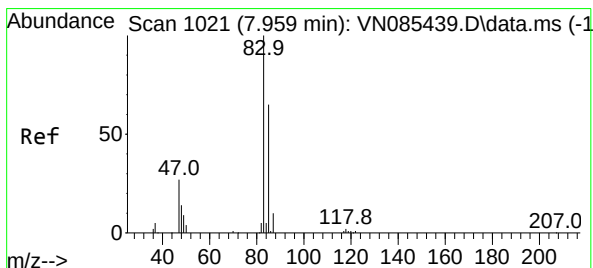
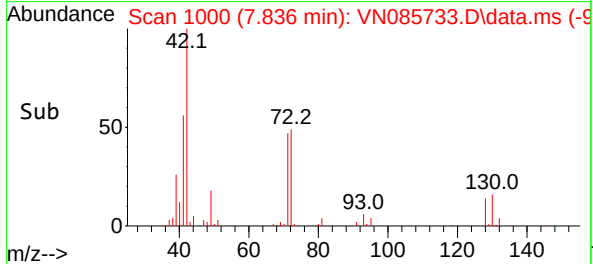
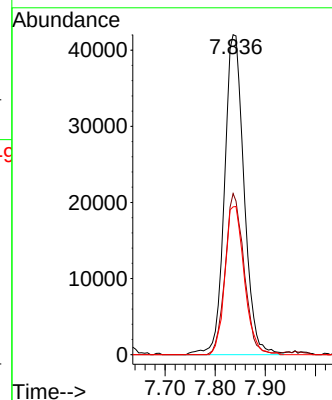
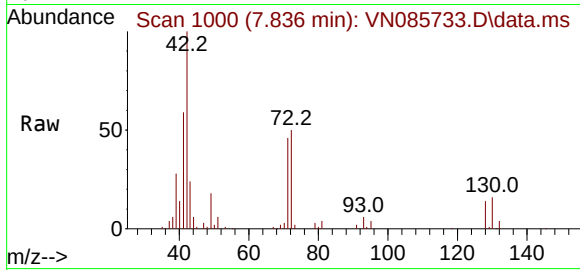
71 45.8 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 19.931 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085733.D

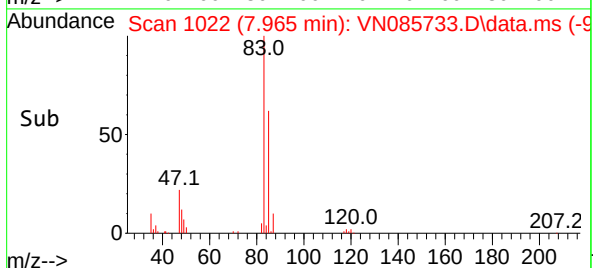
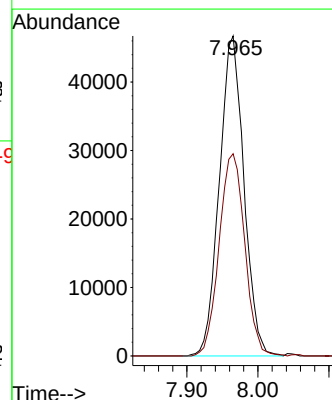
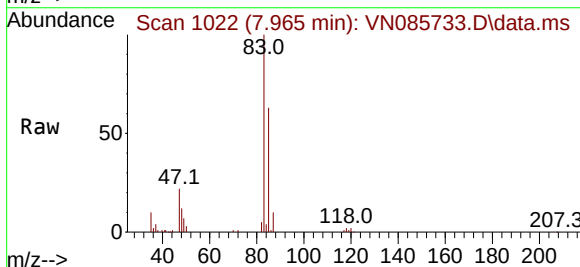
Acq: 10 Feb 2025 18:59

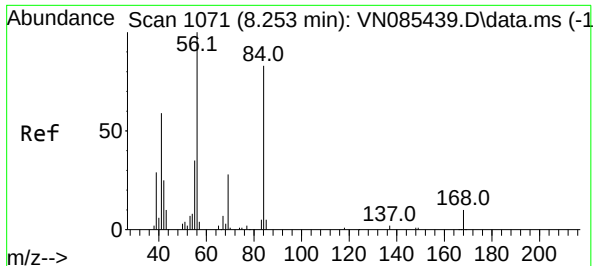
Tgt Ion: 83 Resp: 112224

Ion Ratio Lower Upper

83 100

85 63.2 51.8 77.6





#31

Cyclohexane

Concen: 18.291 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 56 Resp: 8661

Ion Ratio Lower Upper

56 100

69 31.9 22.2 33.4

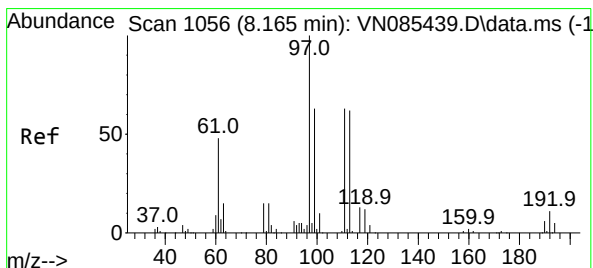
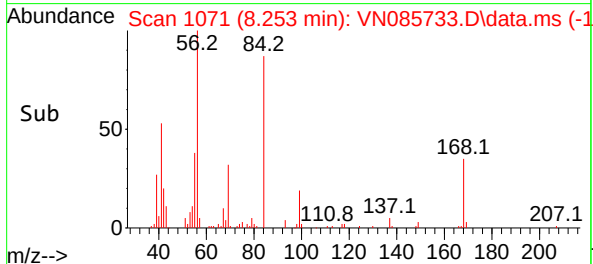
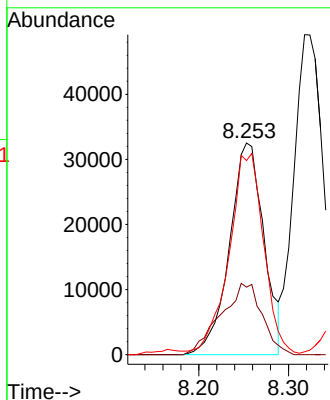
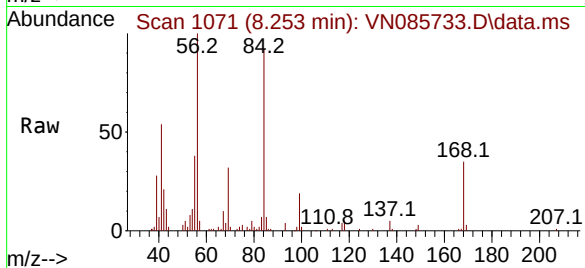
84 90.0 66.4 99.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#32

1,1,1-Trichloroethane

Concen: 20.667 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

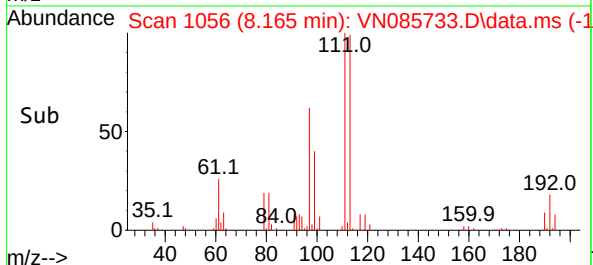
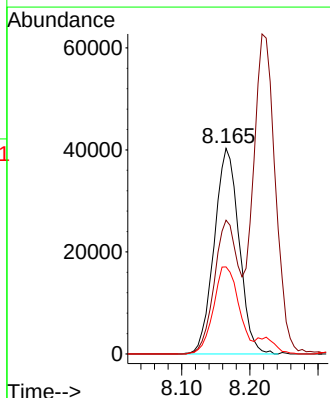
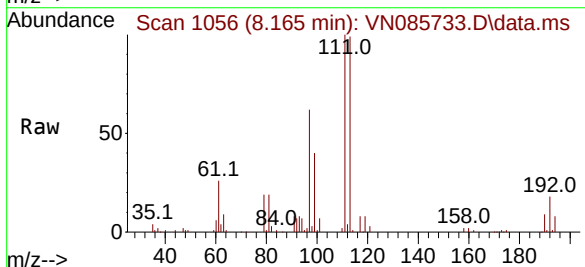
Tgt Ion: 97 Resp: 102075

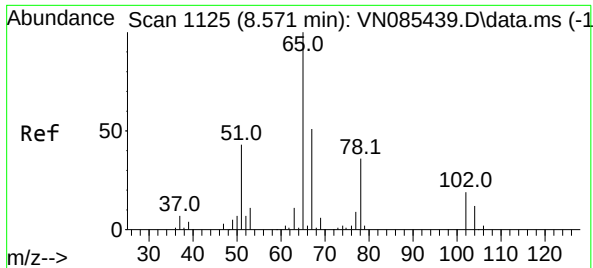
Ion Ratio Lower Upper

97 100

99 62.5 49.8 74.6

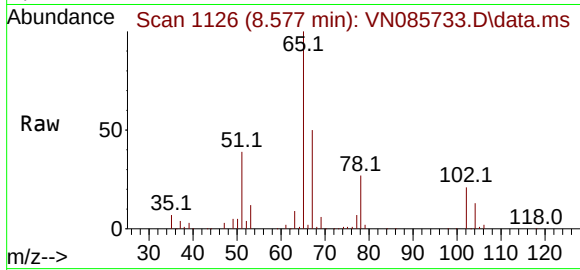
61 43.8 41.4 62.2





#33
1,2-Dichloroethane-d4
Concen: 49.870 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

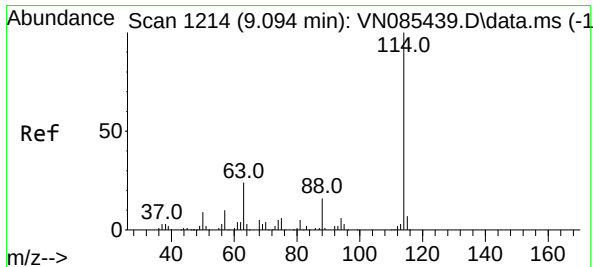
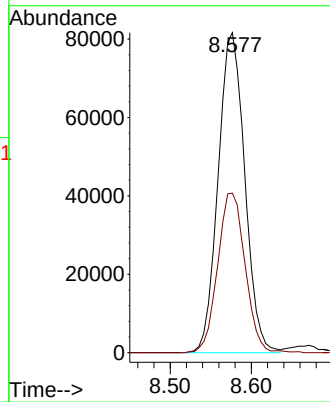
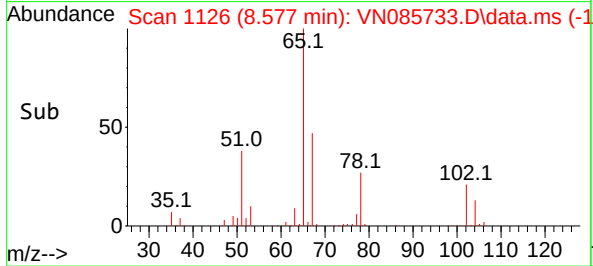
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion: 65 Resp: 18607
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.6

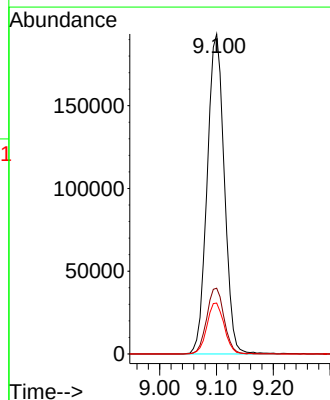
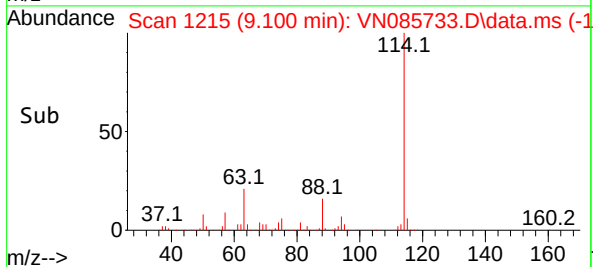
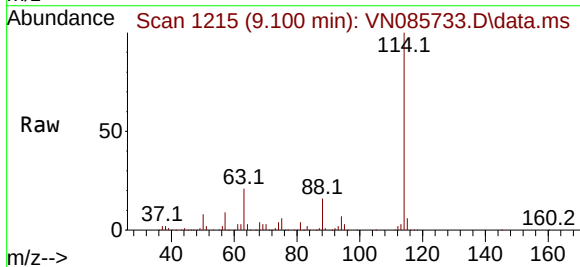
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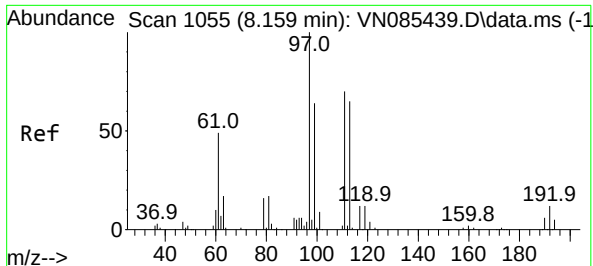
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion:114 Resp: 403589
Ion Ratio Lower Upper
114 100
63 20.5 0.0 47.6
88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.433 ug/l

RT: 8.165 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion:113 Resp: 152408

Ion Ratio Lower Upper

113 100

111 103.5 82.7 124.1

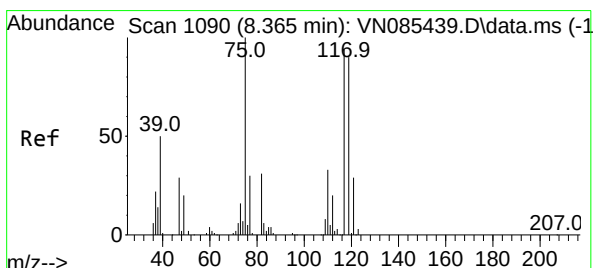
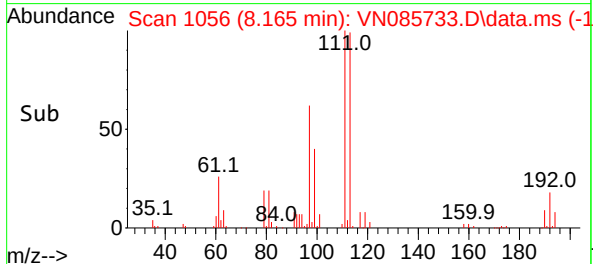
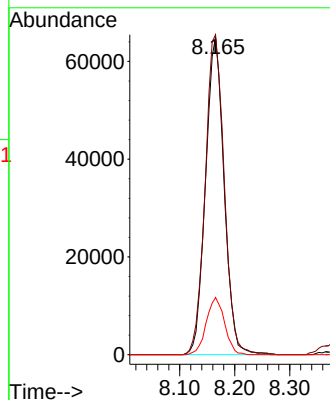
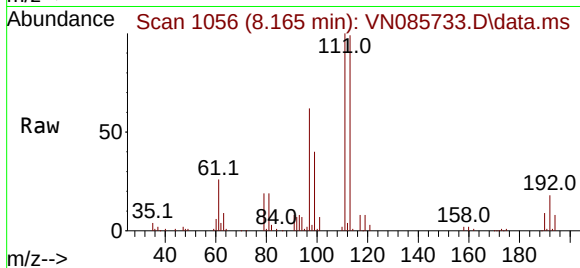
192 17.8 14.3 21.5

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 19.661 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

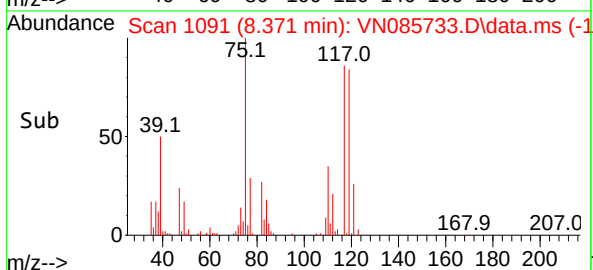
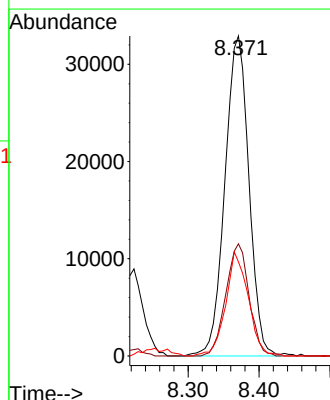
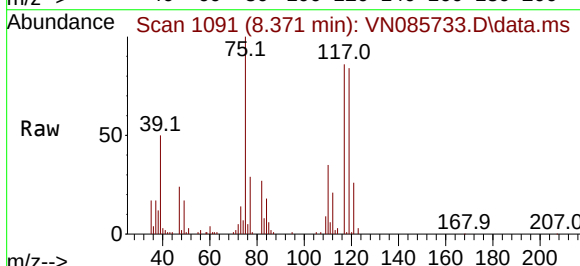
Tgt Ion: 75 Resp: 77259

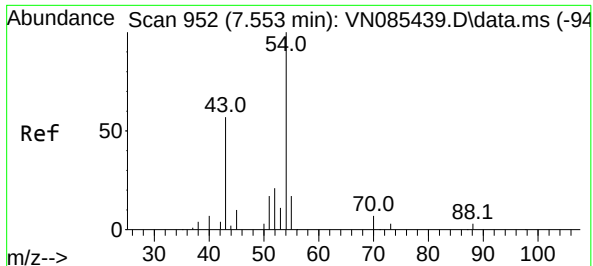
Ion Ratio Lower Upper

75 100

110 33.9 16.5 49.5

77 30.6 24.4 36.6





#37

Ethyl Acetate

Concen: 18.404 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 43 Resp: 7299

Ion Ratio Lower Upper

43 100

61 13.7 10.9 16.3

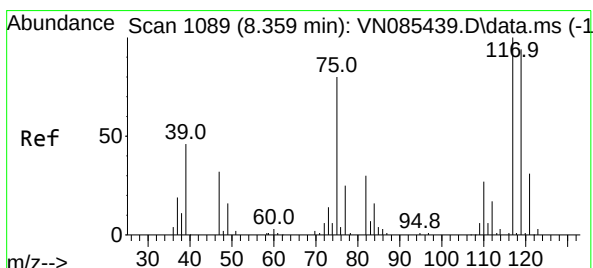
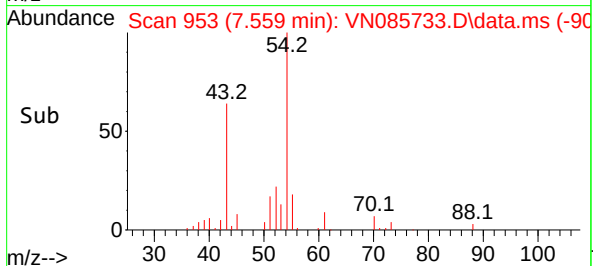
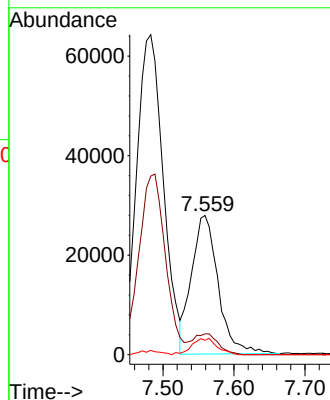
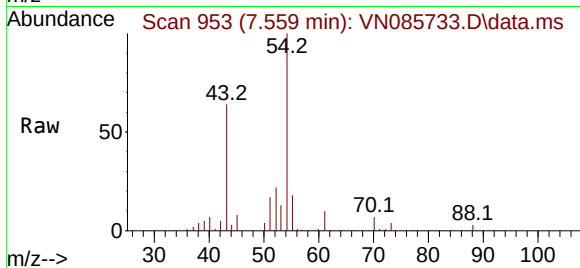
70 11.0 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 20.274 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

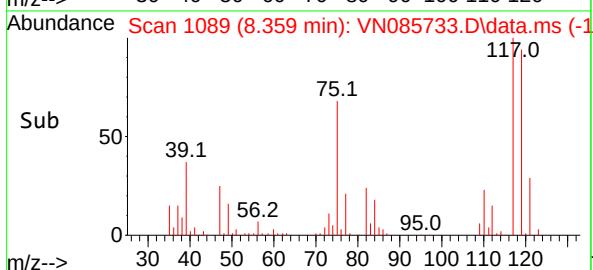
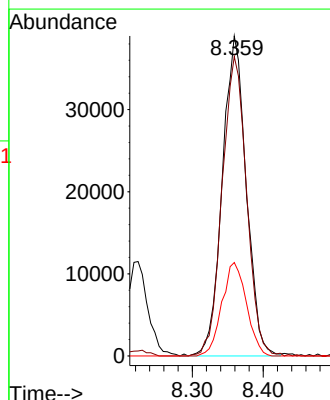
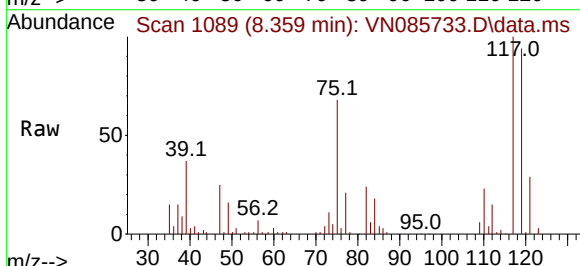
Tgt Ion:117 Resp: 91209

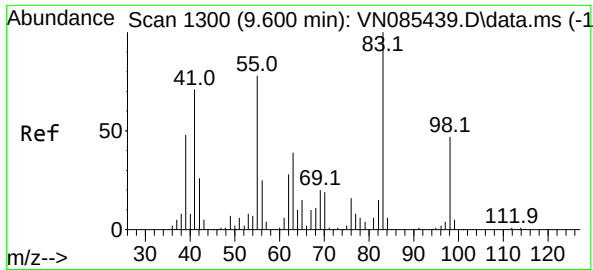
Ion Ratio Lower Upper

117 100

119 93.5 75.4 113.2

121 29.2 24.6 37.0





#39

Methylcyclohexane

Concen: 20.126 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

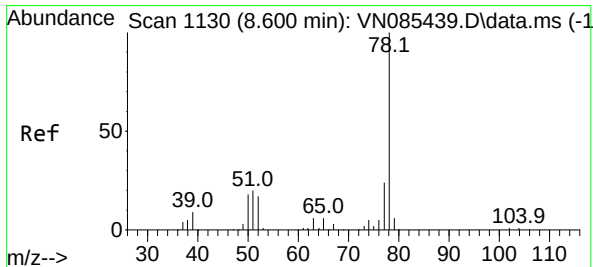
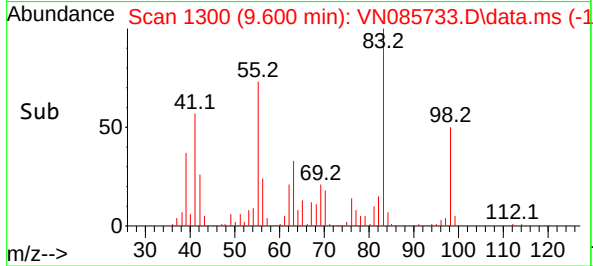
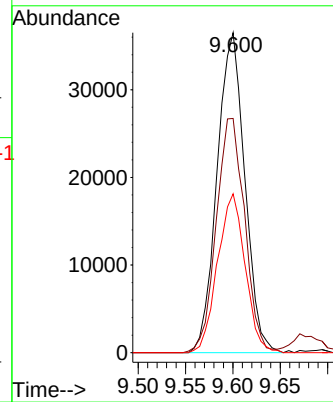
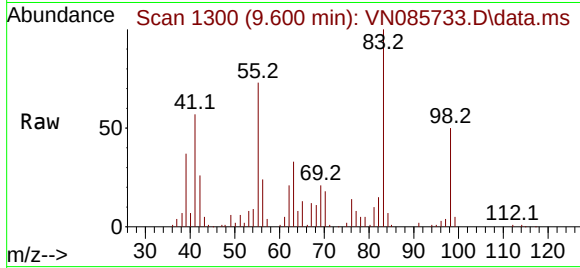
Tgt Ion: 83	Resp: 74319
Ion Ratio	Lower Upper
83 100	
55 73.2	62.6 94.0
98 49.7	37.7 56.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 21.055 ug/l

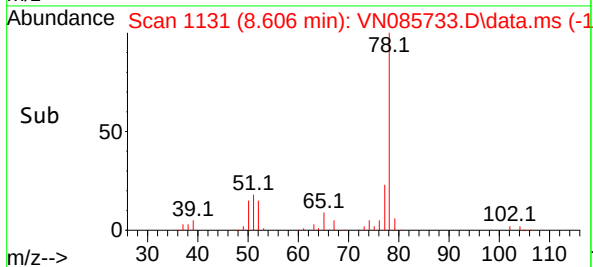
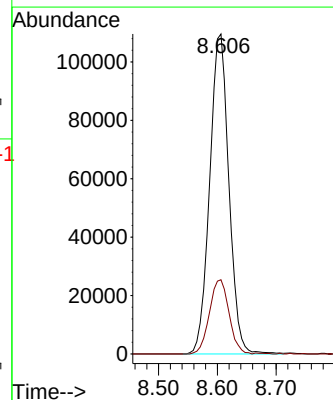
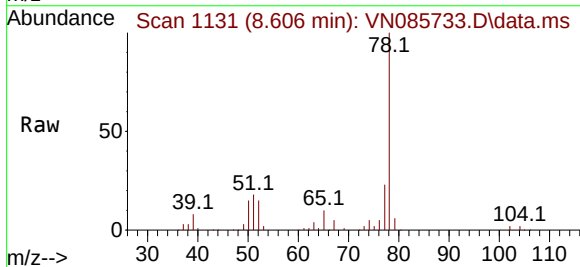
RT: 8.606 min Scan# 1131

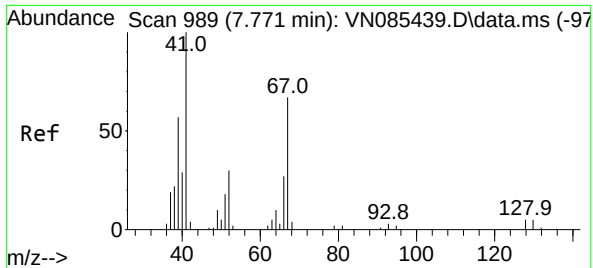
Delta R.T. 0.006 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

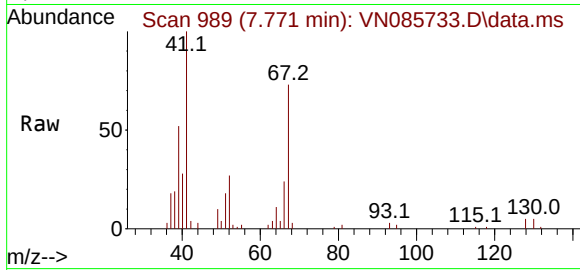
Tgt Ion: 78	Resp: 248602
Ion Ratio	Lower Upper
78 100	
77 23.2	19.0 28.6





#41
Methacrylonitrile
Concen: 19.381 ug/l
RT: 7.771 min Scan# 989
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

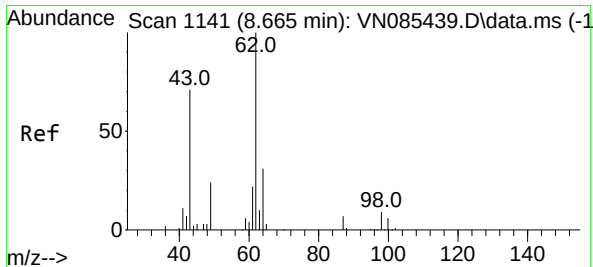
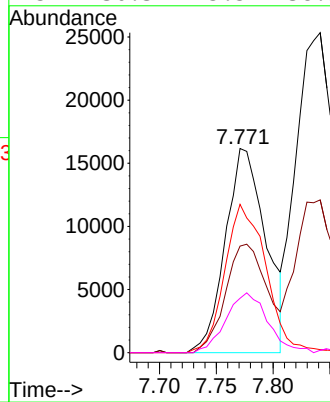
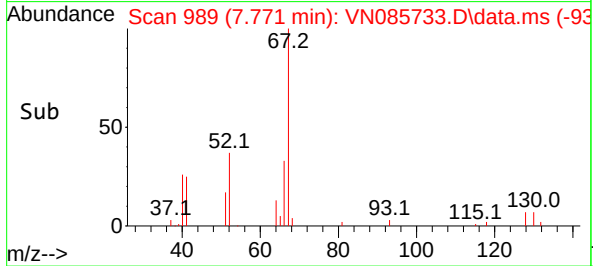
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion: 41 Resp: 3999
Ion Ratio Lower Upper
41 100
39 54.9 46.0 69.0
67 74.4 57.4 86.2
52 30.3 25.5 38.3

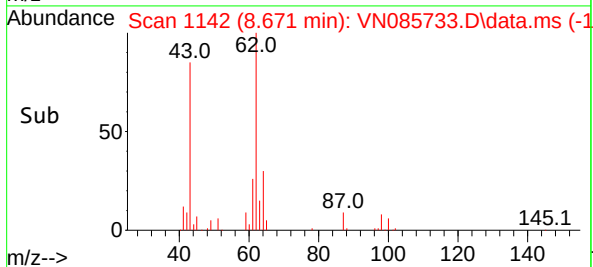
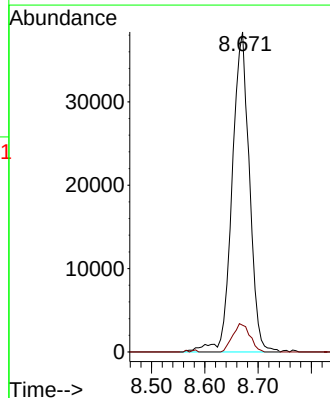
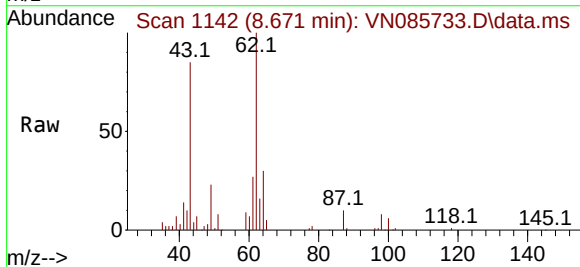
Manual Integrations
APPROVED

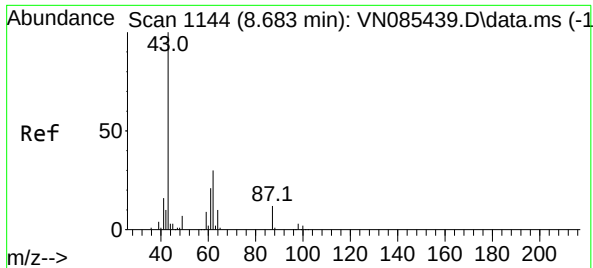
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#42
1,2-Dichloroethane
Concen: 19.504 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion: 62 Resp: 86733
Ion Ratio Lower Upper
62 100
98 8.8 0.0 17.0





#43

Isopropyl Acetate

Concen: 20.477 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 43 Resp: 130144

Ion Ratio Lower Upper

43 100

61 26.3 20.7 31.1

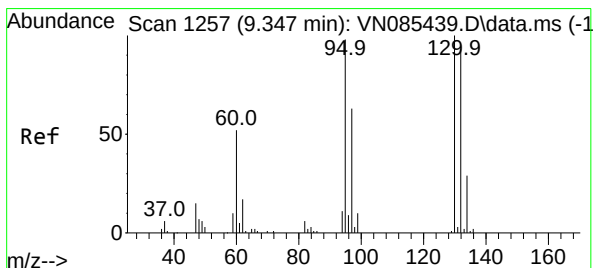
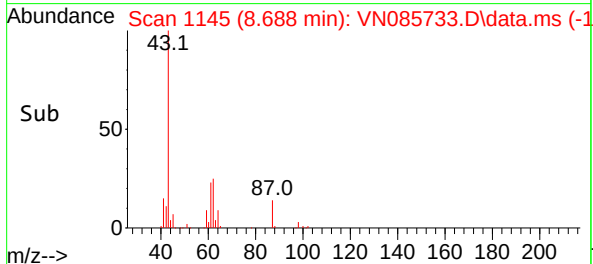
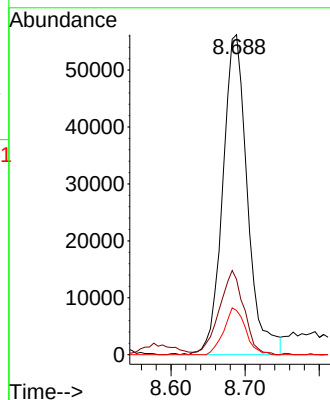
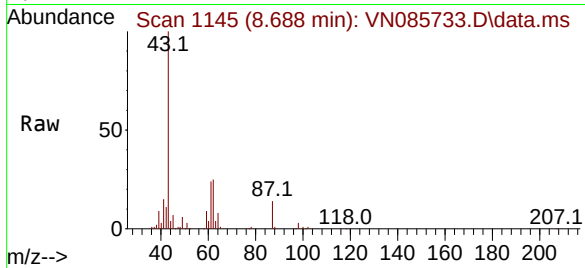
87 12.8 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 20.802 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN085733.D

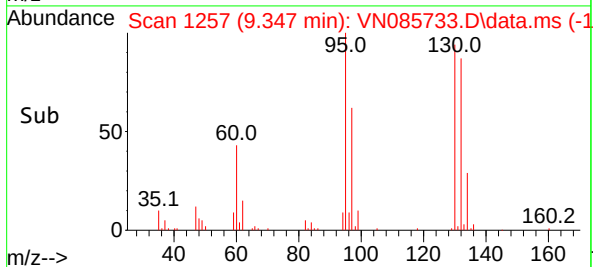
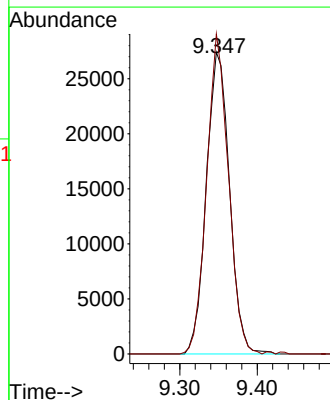
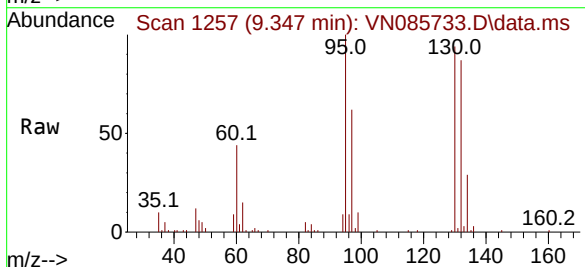
Acq: 10 Feb 2025 18:59

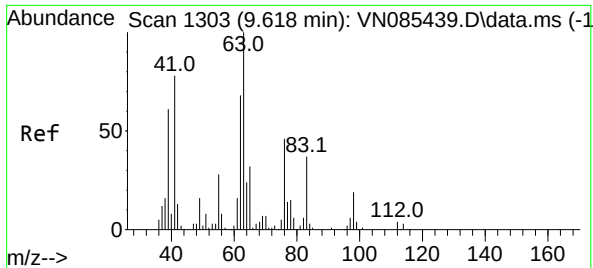
Tgt Ion:130 Resp: 57172

Ion Ratio Lower Upper

130 100

95 106.0 0.0 195.8





#45

1,2-Dichloropropane

Concen: 19.615 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 63 Resp: 59150

Ion Ratio Lower Upper

63 100

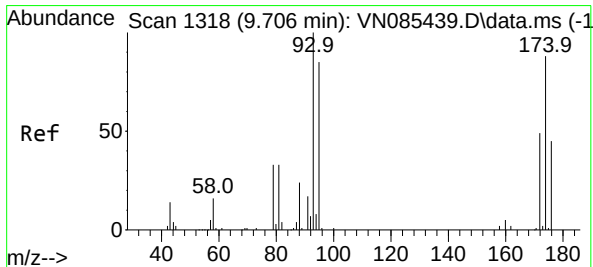
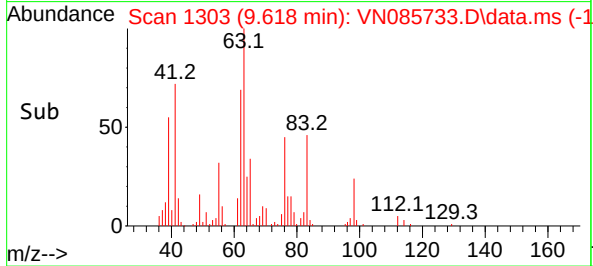
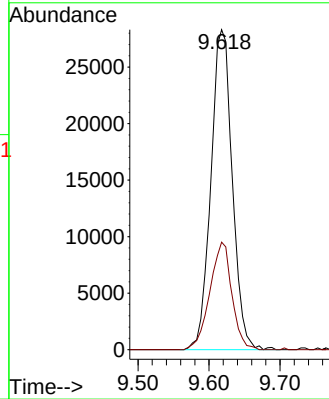
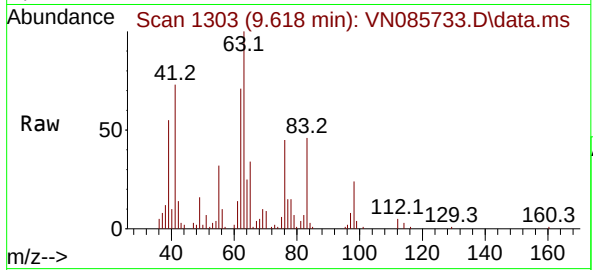
65 33.6 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 20.094 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

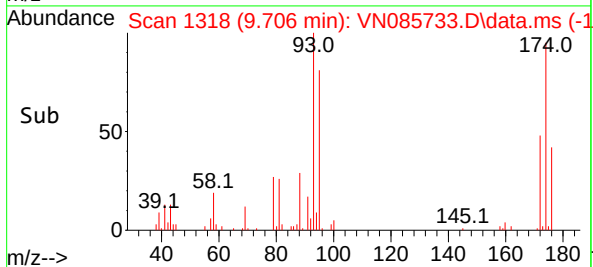
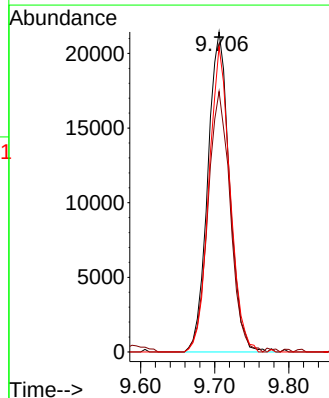
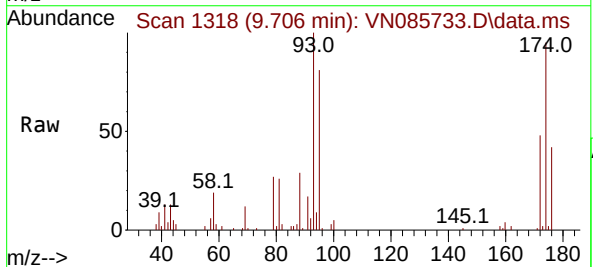
Tgt Ion: 93 Resp: 43727

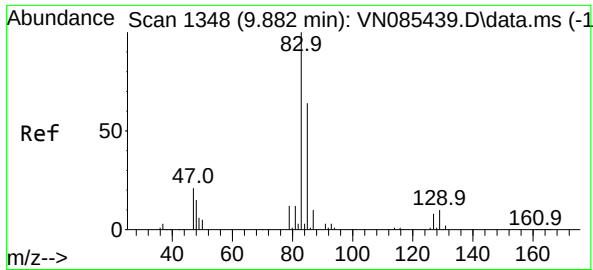
Ion Ratio Lower Upper

93 100

95 83.3 64.7 97.1

174 92.8 69.0 103.4





#47

Bromodichloromethane

Concen: 20.264 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

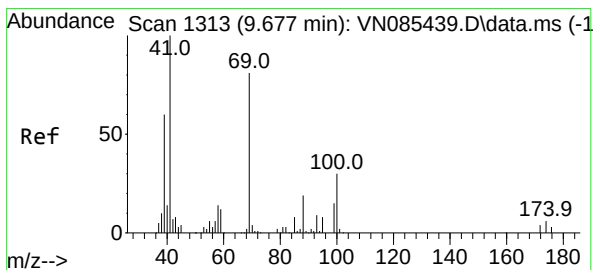
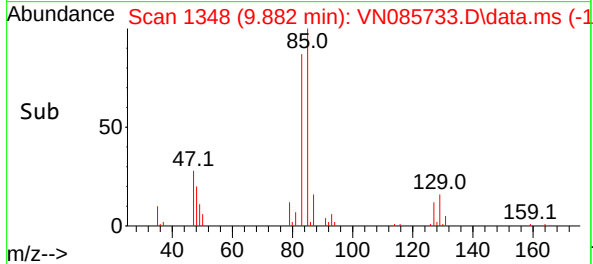
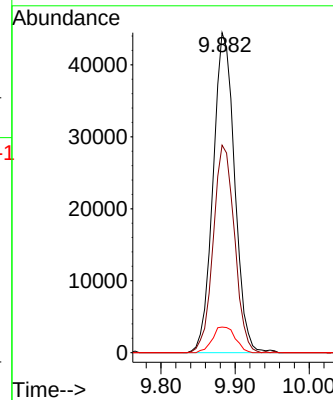
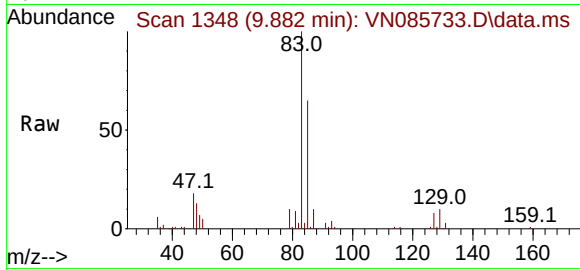
Tgt Ion:	83	Resp:	89840
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.2	76.8
127	8.0	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#48

Methyl methacrylate

Concen: 19.377 ug/l

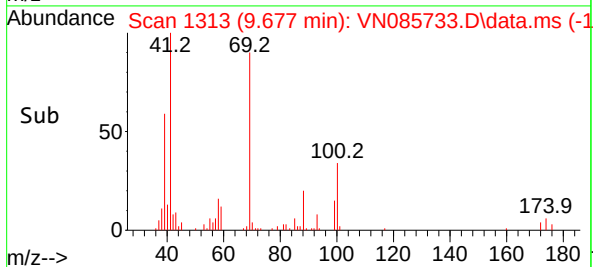
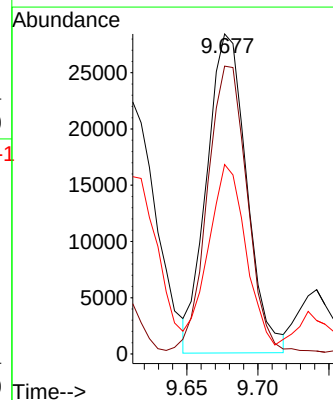
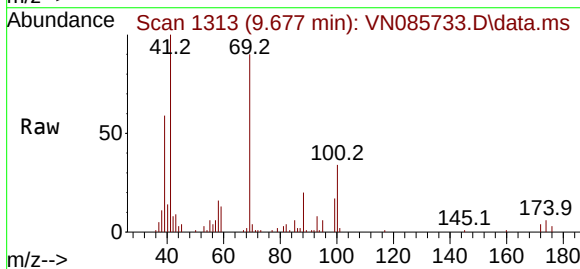
RT: 9.677 min Scan# 1313

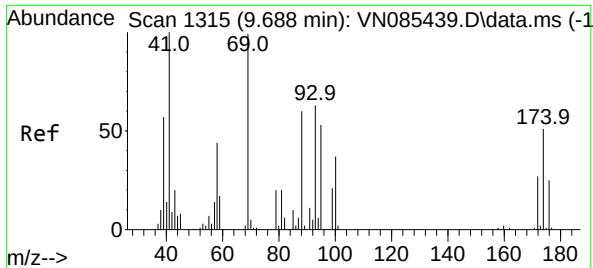
Delta R.T. -0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Tgt Ion:	41	Resp:	55422
Ion Ratio	Lower	Upper	
41	100		
69	89.7	64.7	97.1
39	57.5	49.0	73.6





#49

1,4-Dioxane

Concen: 466.342 ug/l

RT: 9.694 min Scan# 1315

Delta R.T. 0.006 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 88 Resp: 2246

Ion Ratio Lower Upper

88 100

43 27.8 26.6 39.8

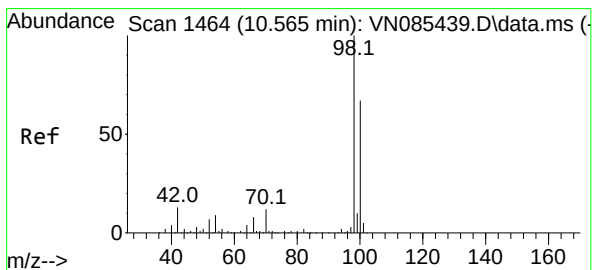
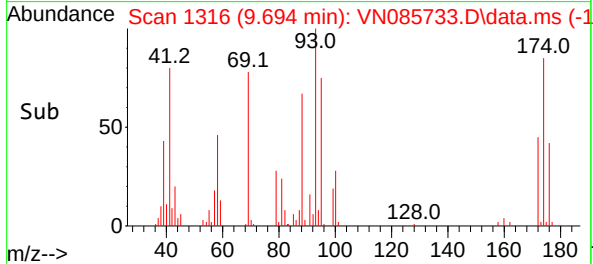
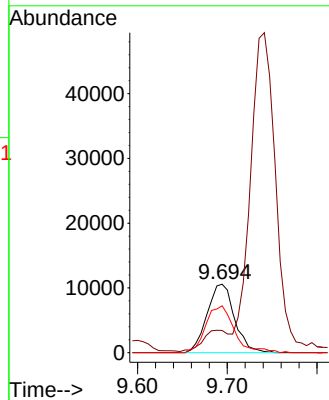
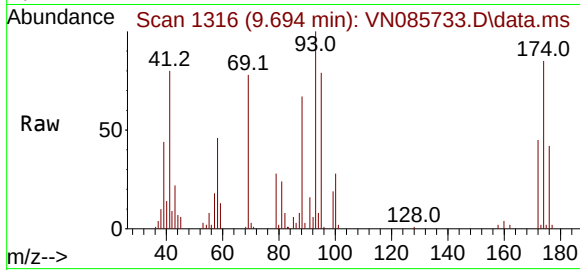
58 71.3 59.5 89.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 54.619 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085733.D

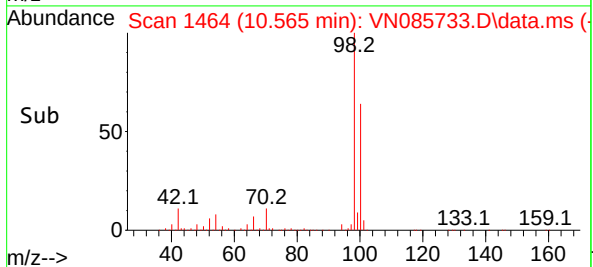
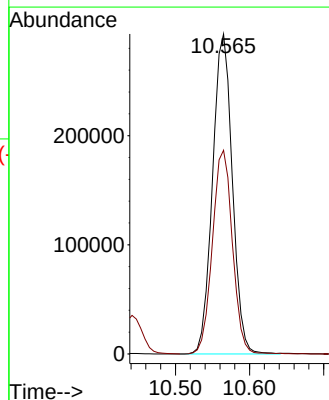
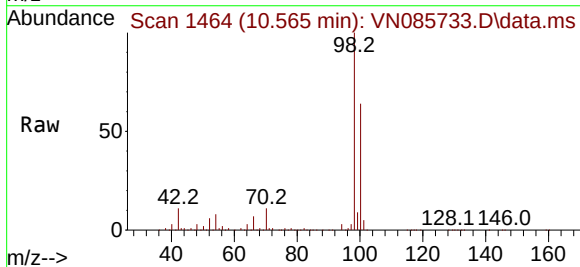
Acq: 10 Feb 2025 18:59

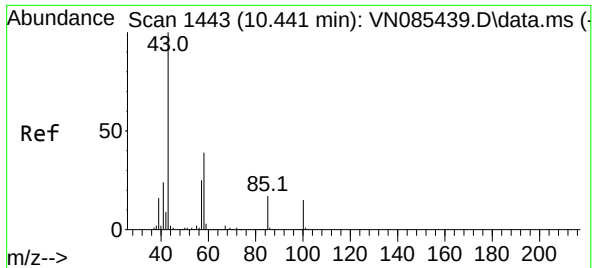
Tgt Ion: 98 Resp: 543357

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4





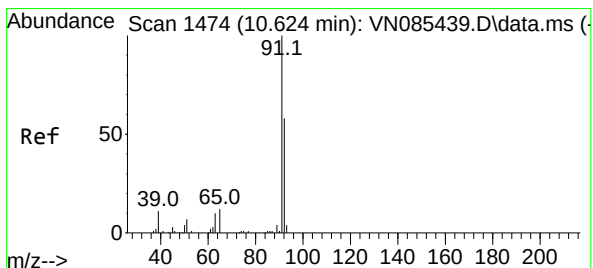
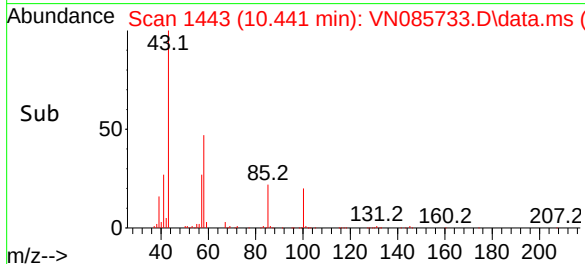
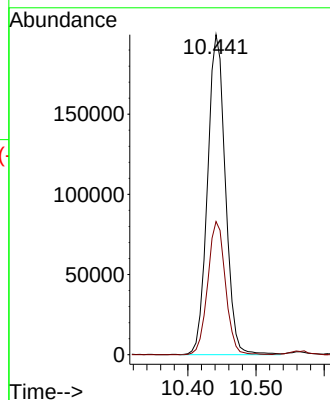
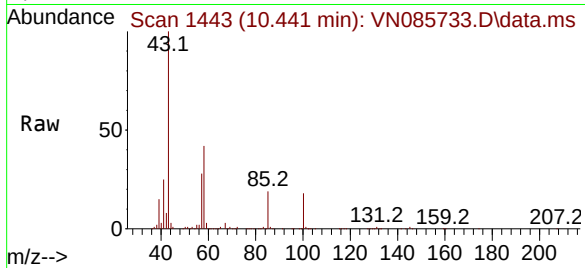
#51
4-Methyl-2-Pentanone
Concen: 98.714 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion: 43 Resp: 36406
Ion Ratio Lower Upper
43 100
58 41.3 30.5 45.7

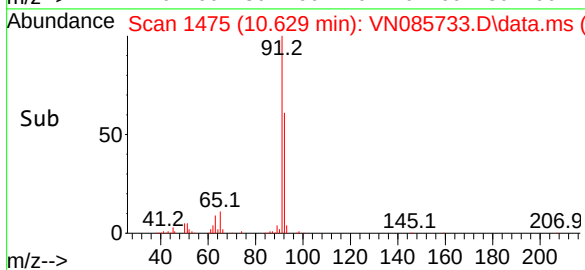
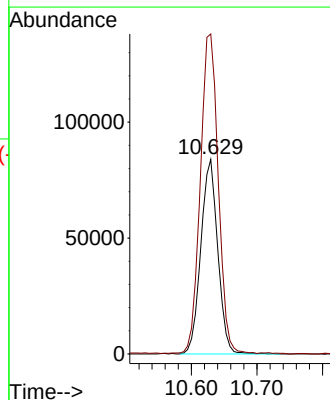
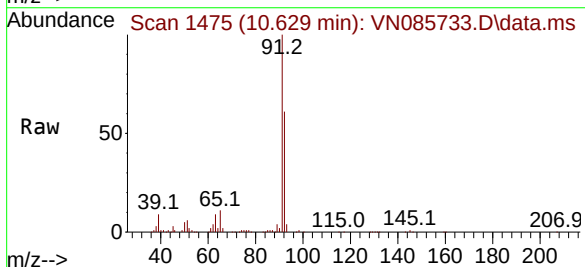
Manual Integrations
APPROVED

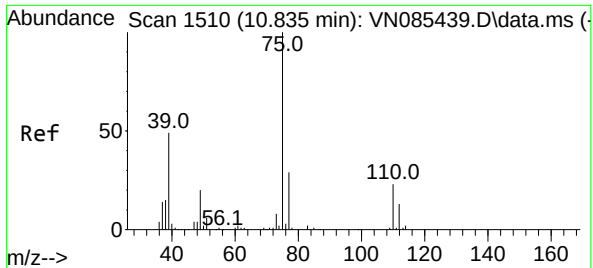
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#52
Toluene
Concen: 22.065 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.005 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion: 92 Resp: 150953
Ion Ratio Lower Upper
92 100
91 173.5 139.2 208.8





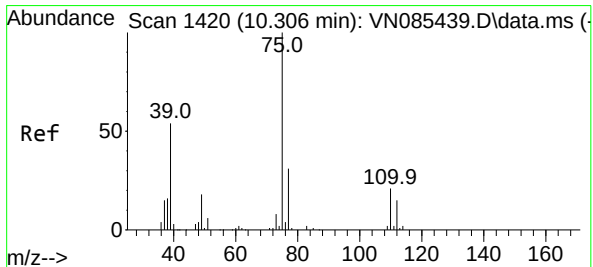
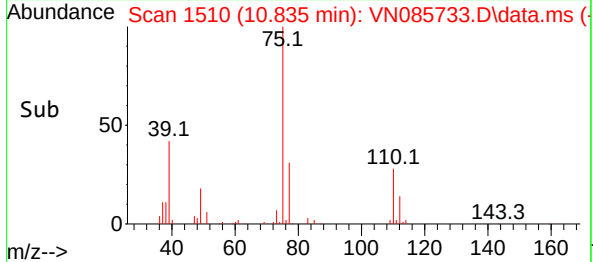
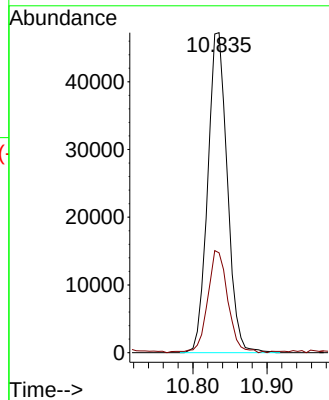
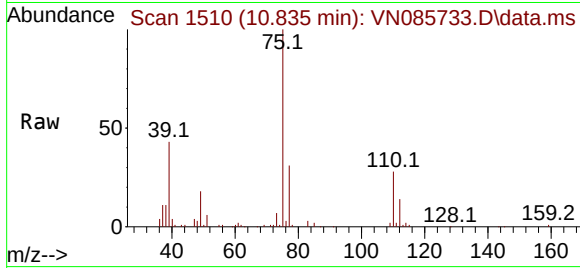
#53
t-1,3-Dichloropropene
Concen: 20.681 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion: 75 Resp: 86648
Ion Ratio Lower Upper
75 100
77 30.8 23.5 35.3

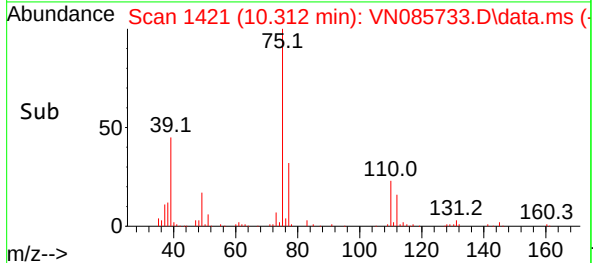
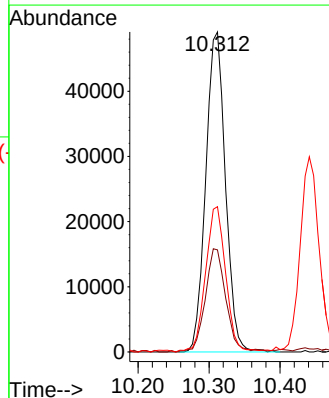
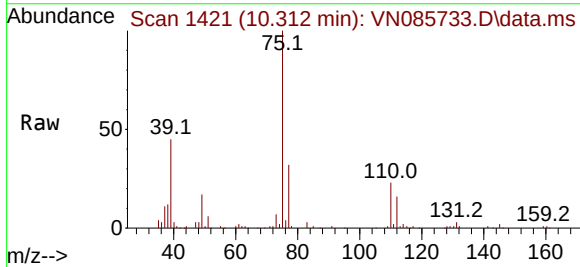
Manual Integrations
APPROVED

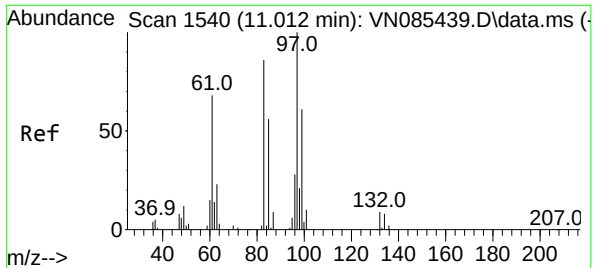
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#54
cis-1,3-Dichloropropene
Concen: 21.126 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

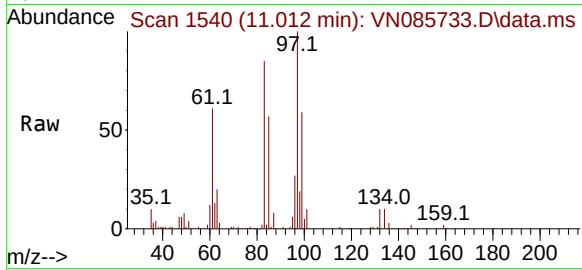
Tgt Ion: 75 Resp: 94546
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.4
39 44.9 43.1 64.7





#55
1,1,2-Trichloroethane
Concen: 21.313 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

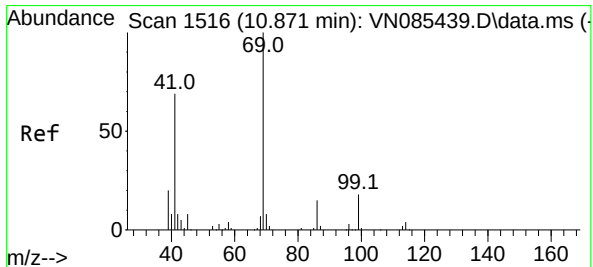
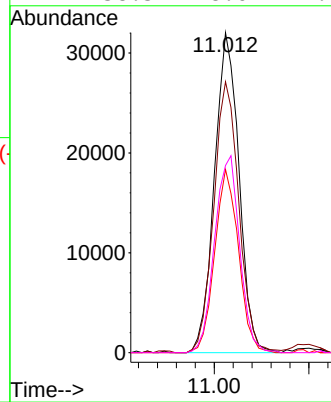
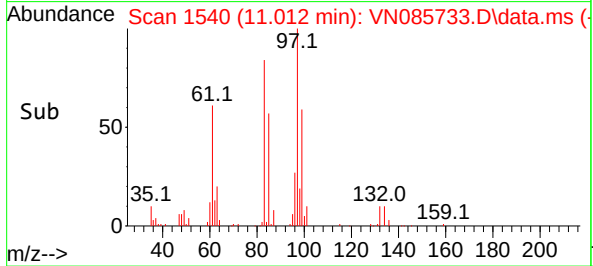
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion: 97 Resp: 5770
Ion Ratio Lower Upper
97 100
83 84.6 69.0 103.6
85 57.3 44.6 66.8
99 58.5 48.6 72.8

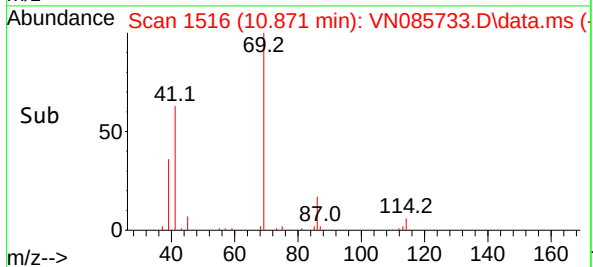
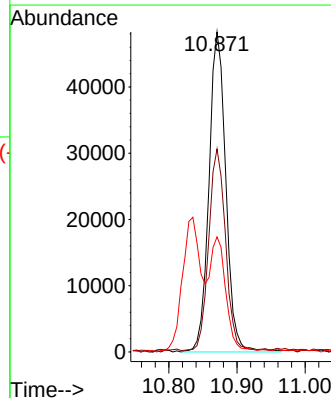
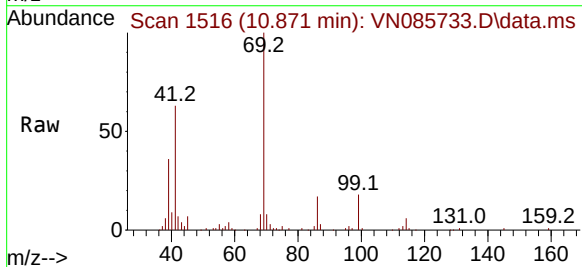
Manual Integrations
APPROVED

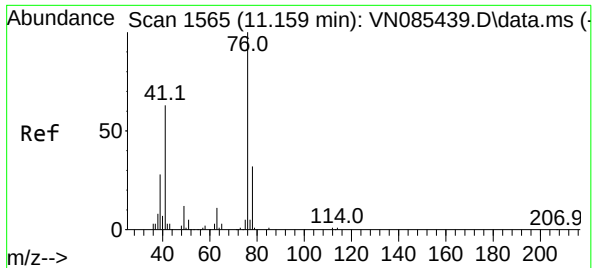
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#56
Ethyl methacrylate
Concen: 19.510 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion: 69 Resp: 83395
Ion Ratio Lower Upper
69 100
41 62.1 54.6 82.0
39 33.4 32.4 48.6





#57

1,3-Dichloropropane

Concen: 20.644 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 76 Resp: 9718

Ion Ratio Lower Upper

76 100

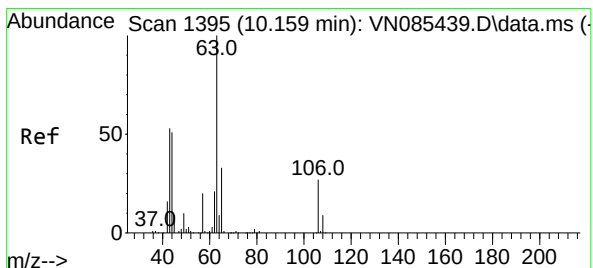
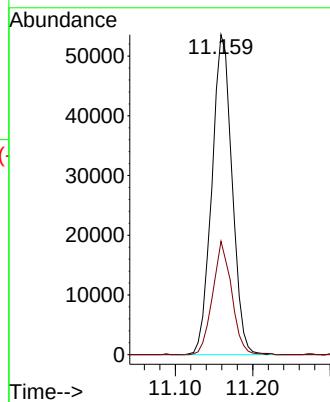
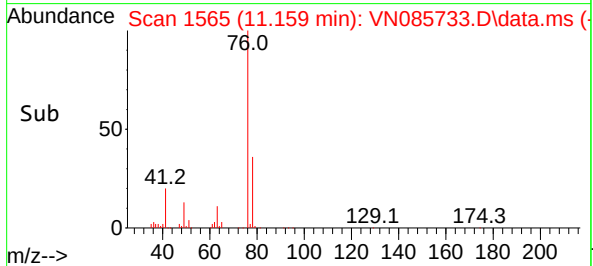
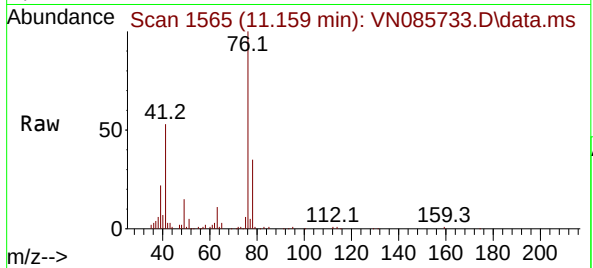
78 33.3 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 105.866 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085733.D

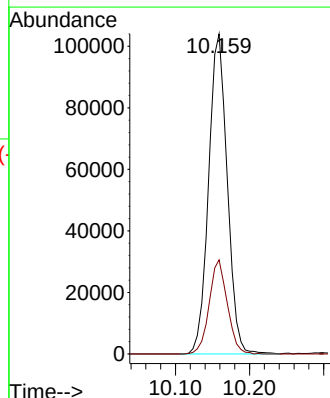
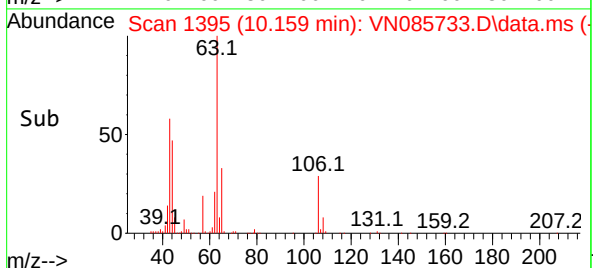
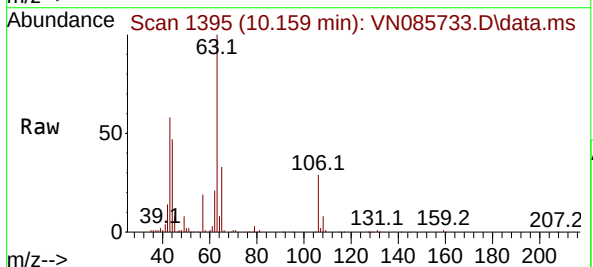
Acq: 10 Feb 2025 18:59

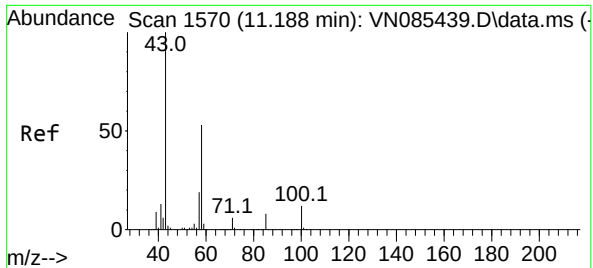
Tgt Ion: 63 Resp: 181891

Ion Ratio Lower Upper

63 100

106 28.5 21.6 32.4





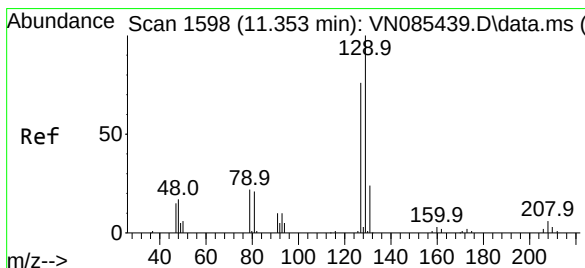
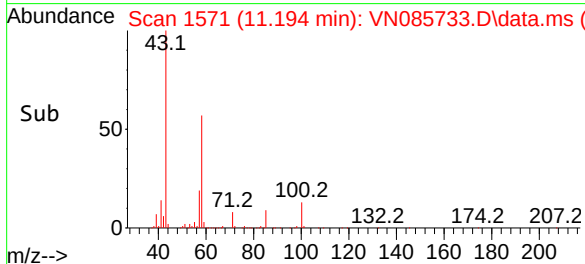
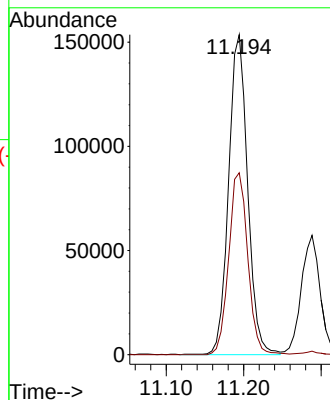
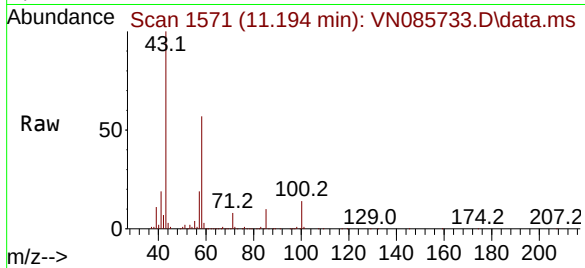
#59
2-Hexanone
Concen: 101.034 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion: 43 Resp: 26218
Ion Ratio Lower Upper
43 100
58 57.1 26.2 78.6

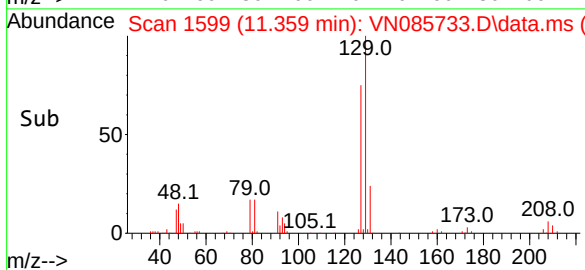
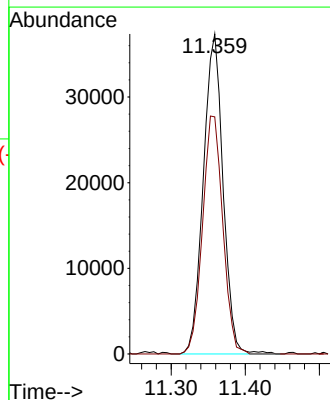
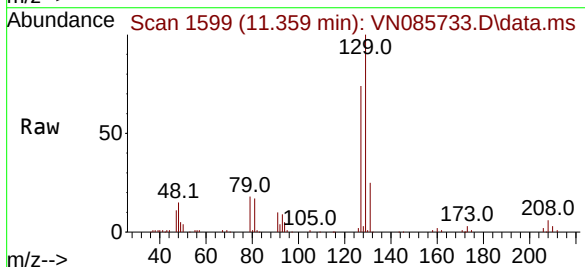
Manual Integrations
APPROVED

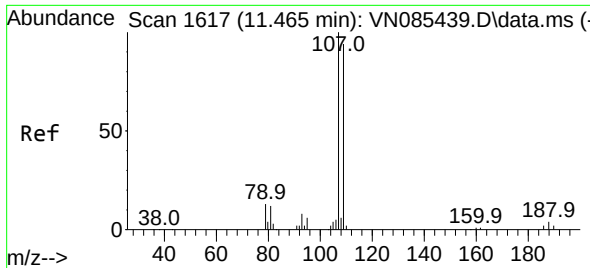
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#60
Dibromochloromethane
Concen: 21.130 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

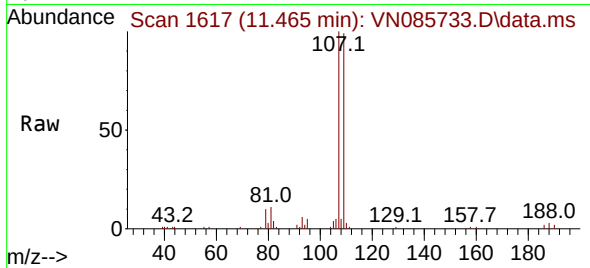
Tgt Ion:129 Resp: 69068
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8





#61
1,2-Dibromoethane
Concen: 21.161 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

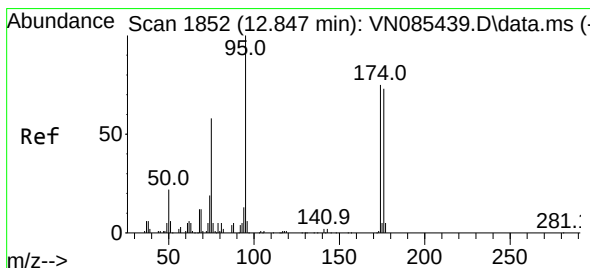
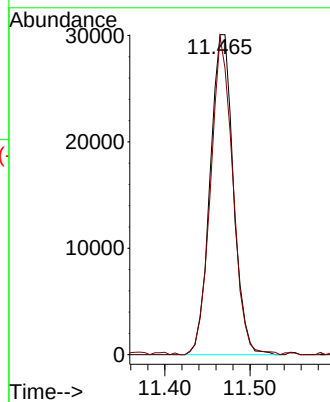
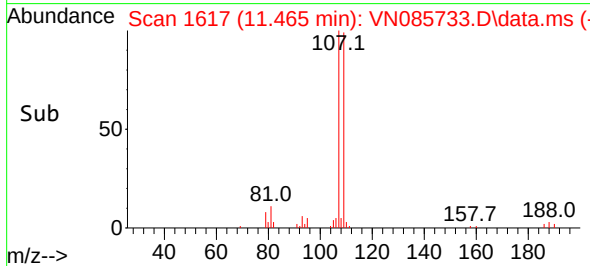
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



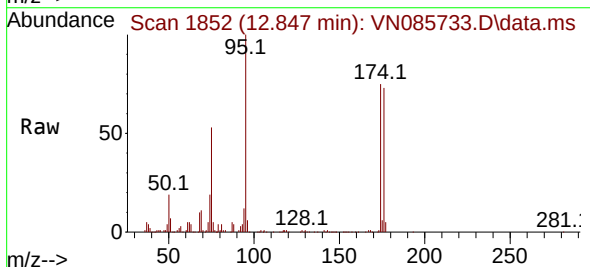
Tgt Ion:107 Resp: 57030
Ion Ratio Lower Upper
107 100
109 94.8 75.9 113.9

Manual Integrations
APPROVED

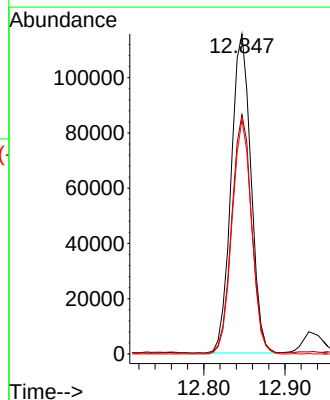
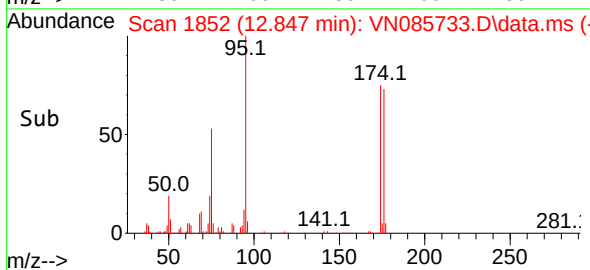
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

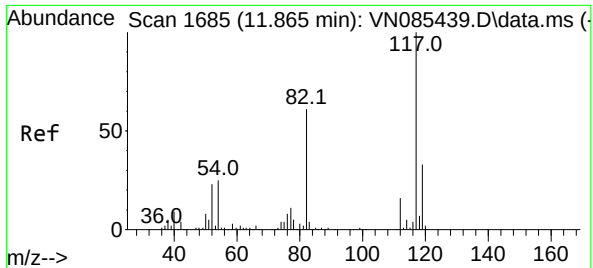


#62
4-Bromofluorobenzene
Concen: 57.511 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59



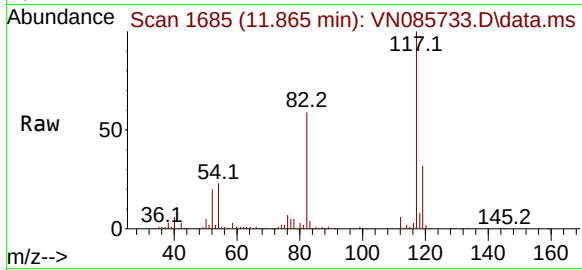
Tgt Ion: 95 Resp: 195707
Ion Ratio Lower Upper
95 100
174 74.9 0.0 145.0
176 72.5 0.0 142.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

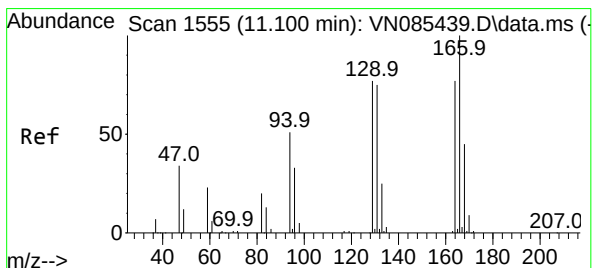
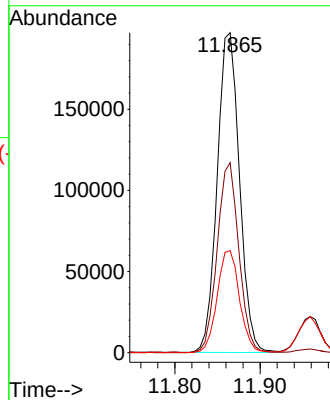
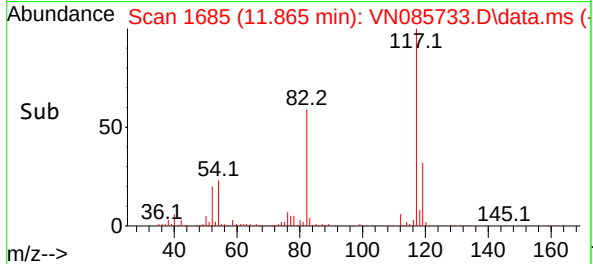
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion:117 Resp: 35860
Ion Ratio Lower Upper
117 100
82 59.4 48.6 72.8
119 31.8 26.6 39.8

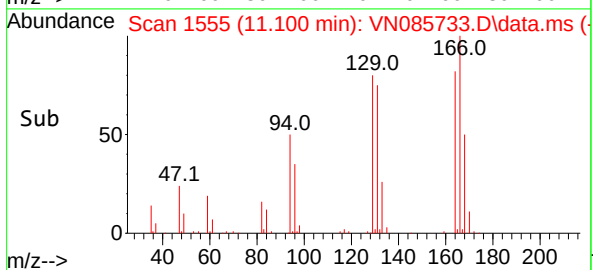
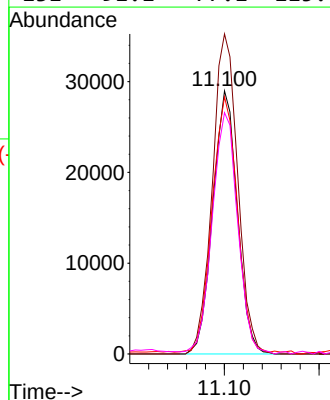
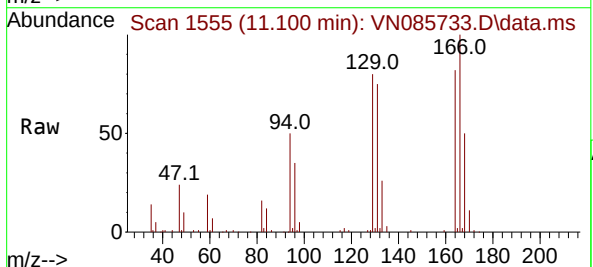
Manual Integrations
APPROVED

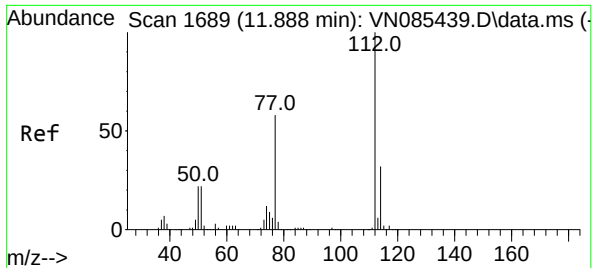
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#64
Tetrachloroethene
Concen: 21.319 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

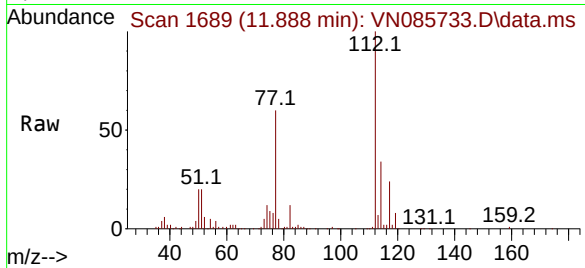
Tgt Ion:164 Resp: 52118
Ion Ratio Lower Upper
164 100
166 121.7 103.4 155.2
129 97.1 79.2 118.8
131 91.1 77.1 115.7





#65
Chlorobenzene
Concen: 20.797 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

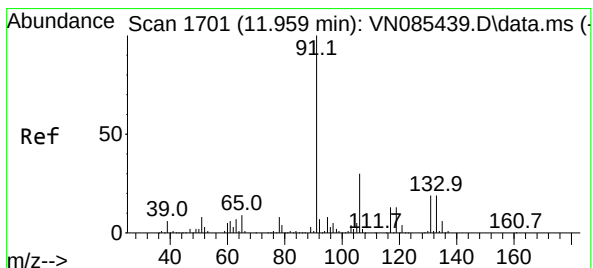
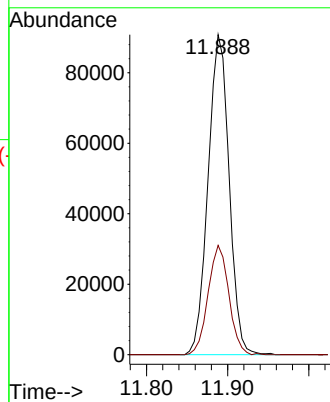
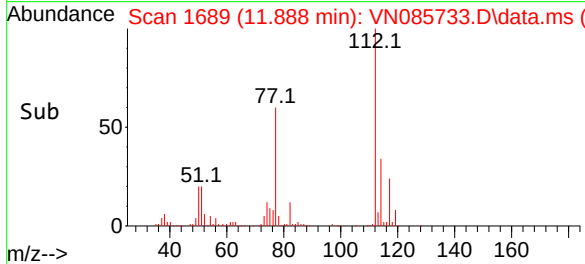
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion:112 Resp: 163378
Ion Ratio Lower Upper
112 100
114 34.2 25.3 37.9

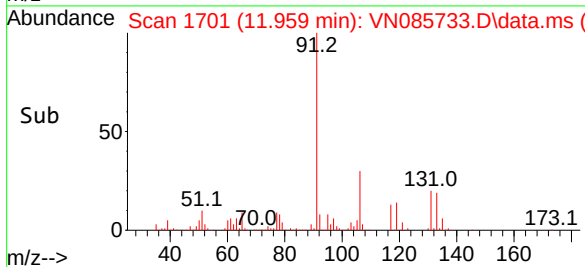
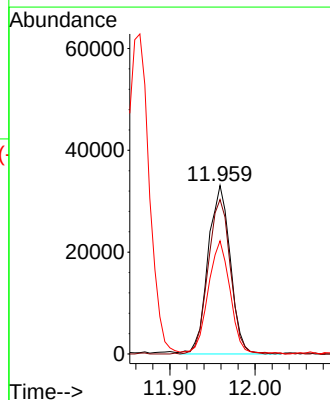
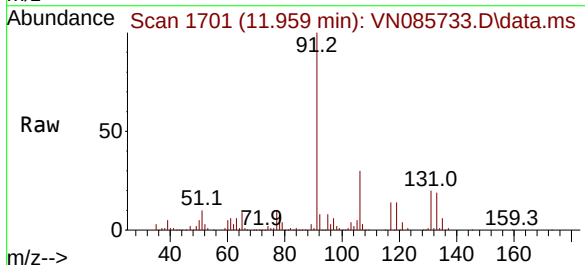
Manual Integrations
APPROVED

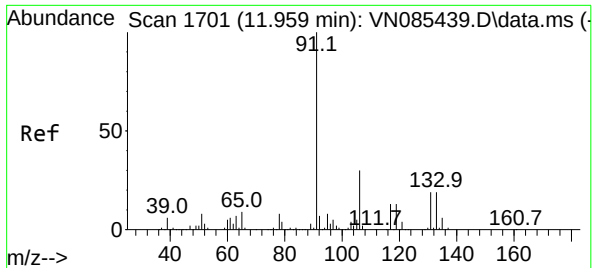
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.844 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion:131 Resp: 60097
Ion Ratio Lower Upper
131 100
133 92.1 47.4 142.3
119 66.7 33.1 99.5





#67

Ethyl Benzene

Concen: 21.793 ug/l

RT: 11.959 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 91 Resp: 27884

Ion Ratio Lower Upper

91 100

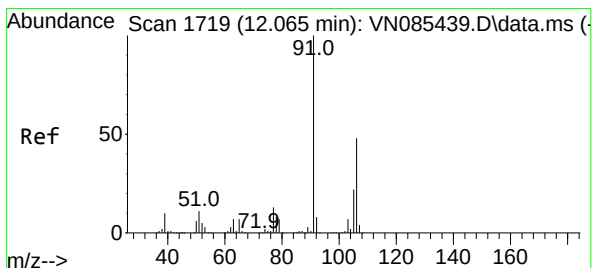
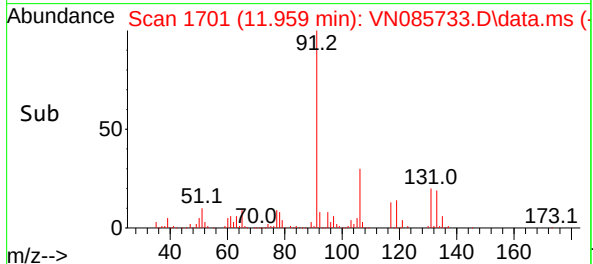
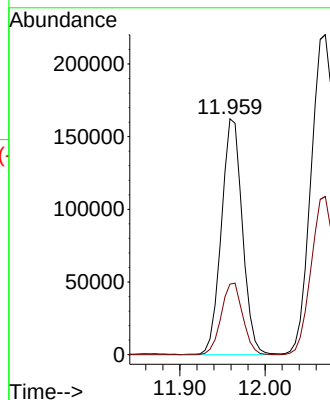
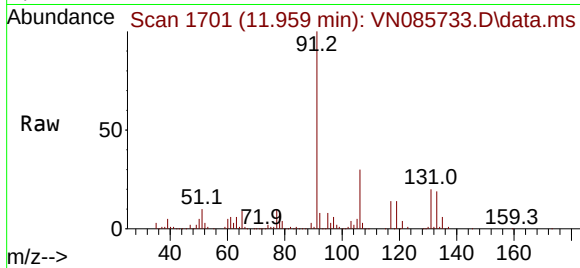
106 29.9 23.8 35.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#68

m/p-Xylenes

Concen: 45.317 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.006 min

Lab File: VN085733.D

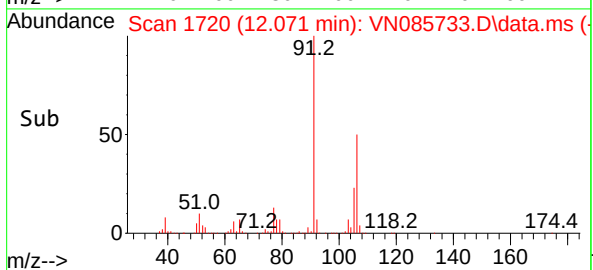
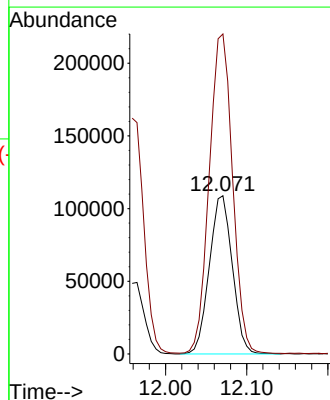
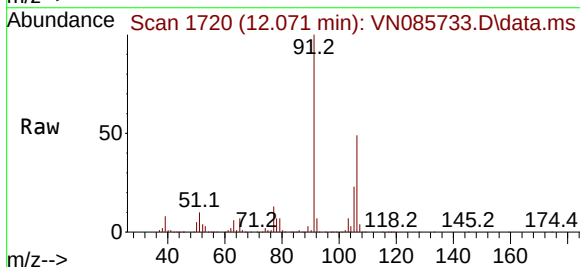
Acq: 10 Feb 2025 18:59

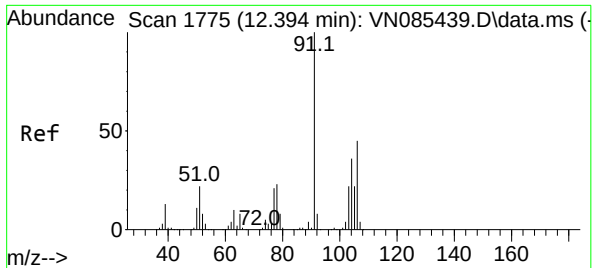
Tgt Ion:106 Resp: 214296

Ion Ratio Lower Upper

106 100

91 204.7 167.7 251.5





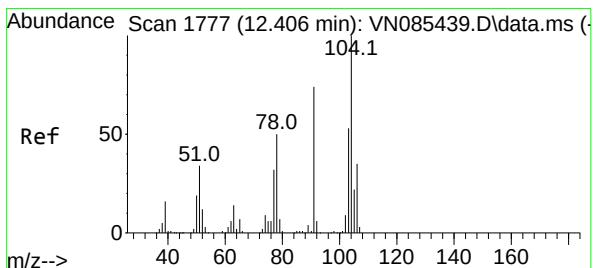
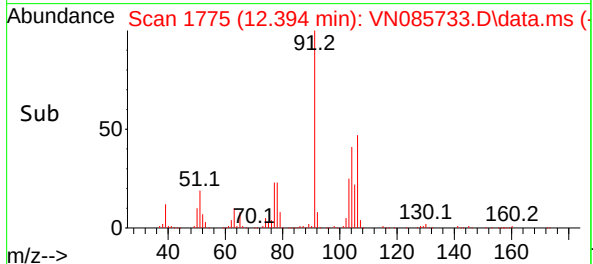
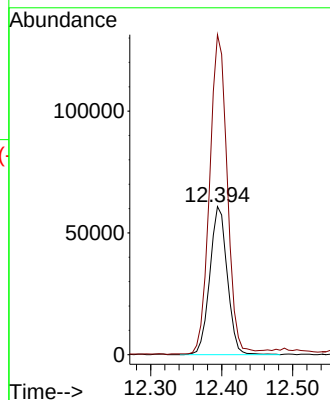
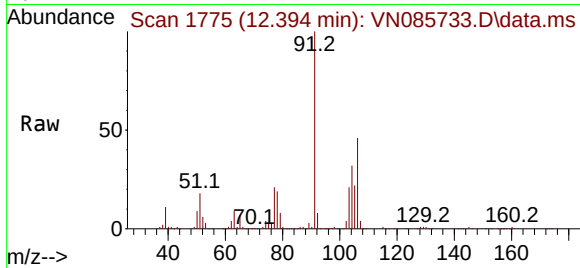
#69
o-Xylene
Concen: 22.994 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion:106 Resp: 103912
Ion Ratio Lower Upper
106 100
91 216.8 110.4 331.2

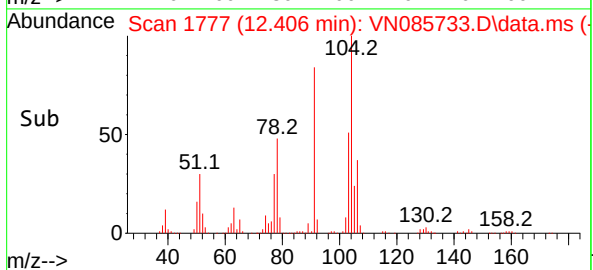
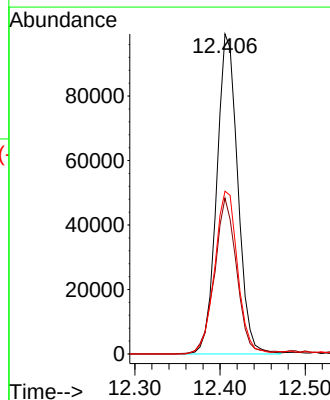
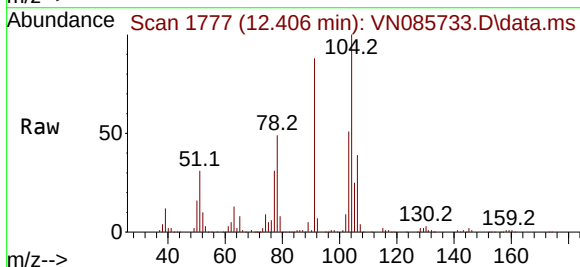
Manual Integrations
APPROVED

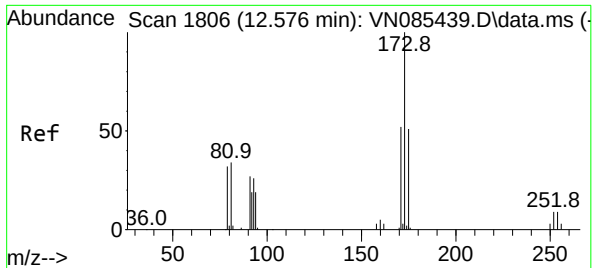
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#70
Styrene
Concen: 22.749 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

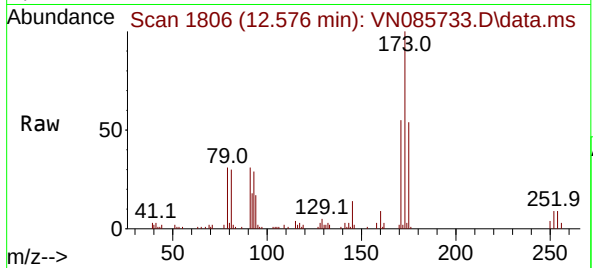
Tgt Ion:104 Resp: 170141
Ion Ratio Lower Upper
104 100
78 51.6 42.5 63.7
103 55.6 43.8 65.8





#71
Bromoform
Concen: 22.108 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

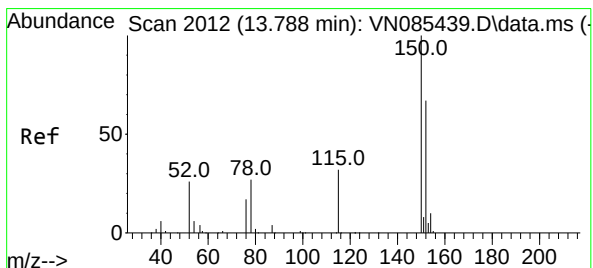
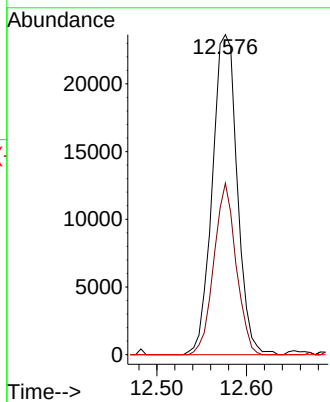
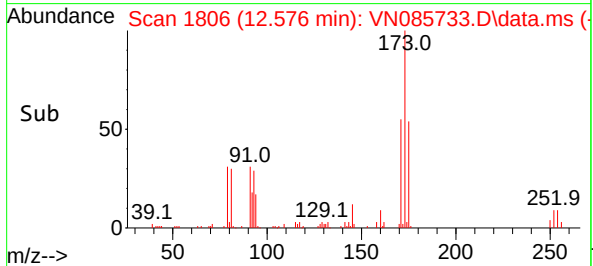
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



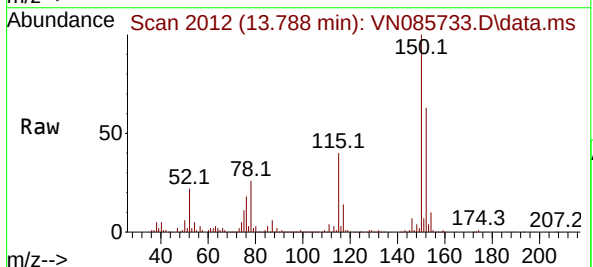
Tgt Ion:173 Resp: 45609
Ion Ratio Lower Upper
173 100
175 47.7 24.4 73.2
254 0.0 0.0 0.0

Manual Integrations
APPROVED

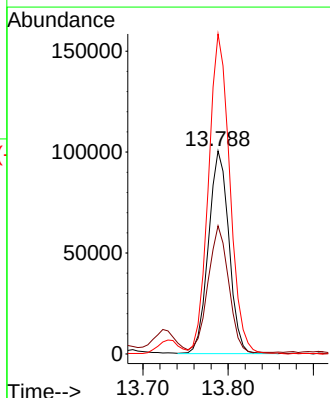
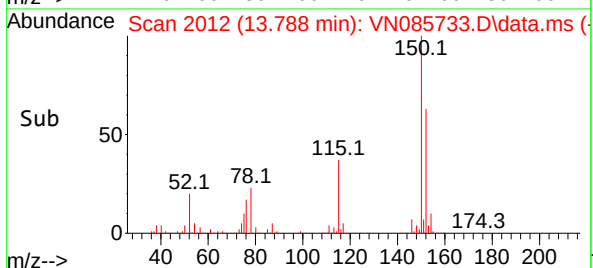
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

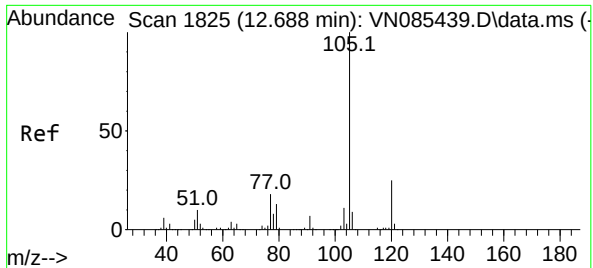


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59



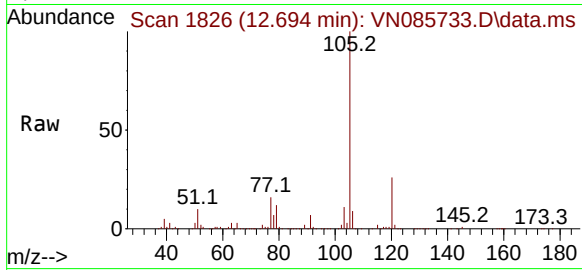
Tgt Ion:152 Resp: 166903
Ion Ratio Lower Upper
152 100
115 62.7 31.1 93.3
150 165.5 0.0 343.6





#73
Isopropylbenzene
Concen: 22.976 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

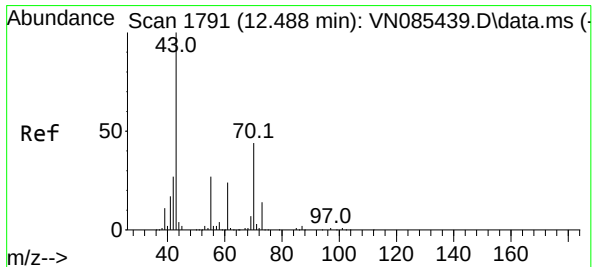
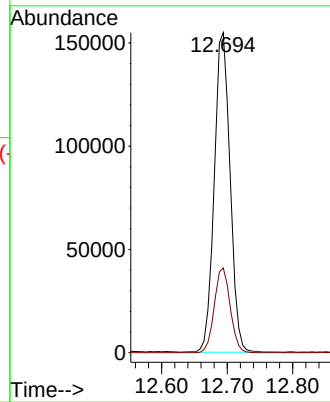
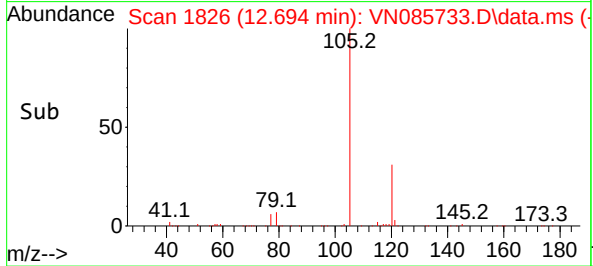
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



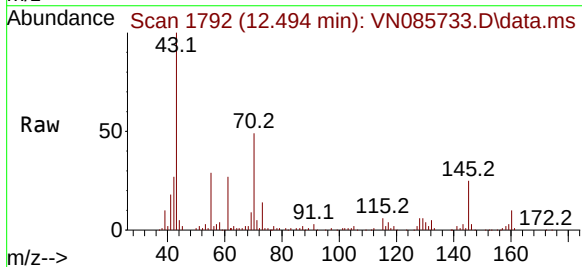
Tgt Ion:105 Resp: 258819
Ion Ratio Lower Upper
105 100
120 26.6 12.8 38.3

Manual Integrations
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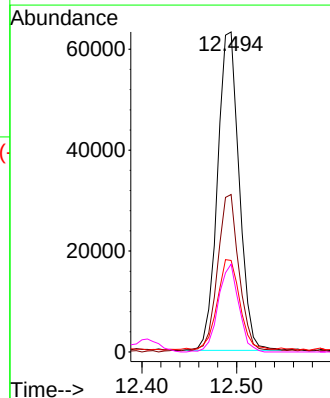
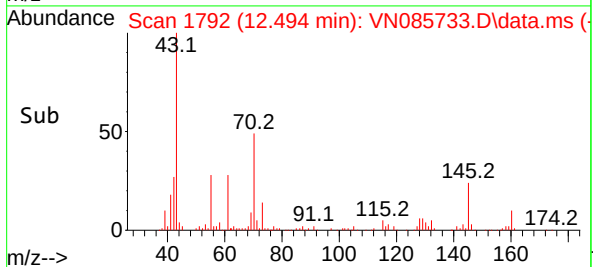
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

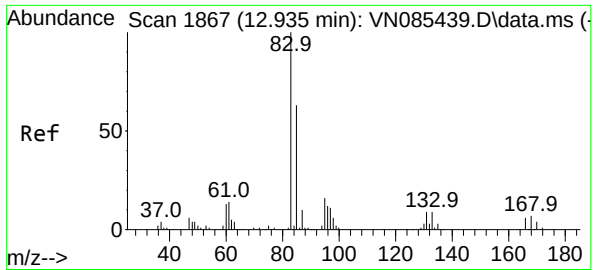


#74
N-ethyl acetate
Concen: 19.805 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59



Tgt Ion: 43 Resp: 100274
Ion Ratio Lower Upper
43 100
70 48.3 34.0 51.0
55 30.0 21.4 32.2
61 26.1 19.0 28.4





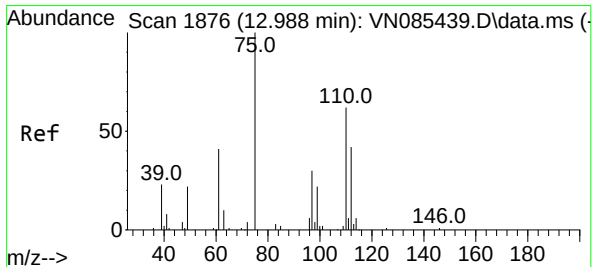
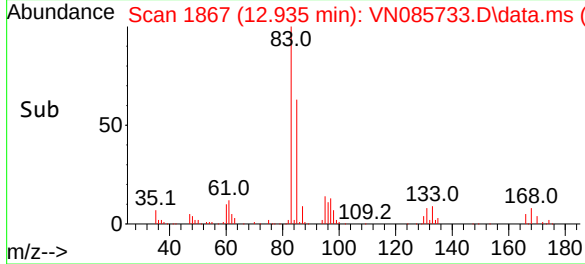
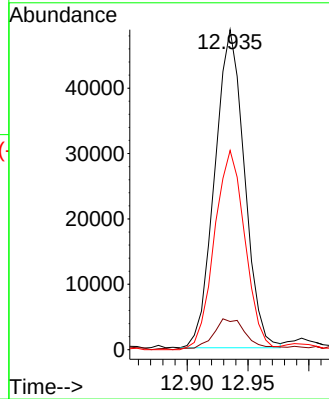
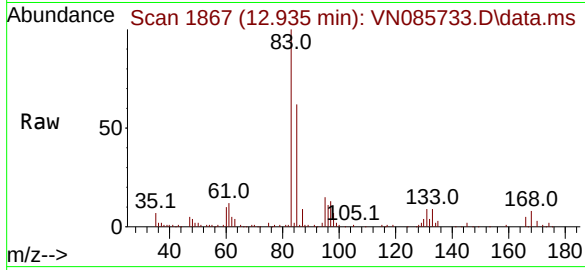
#75
1,1,2,2-Tetrachloroethane
Concen: 20.779 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion: 83 Resp: 8268
Ion Ratio Lower Upper
83 100
131 11.1 4.8 14.4
85 64.6 32.2 96.6

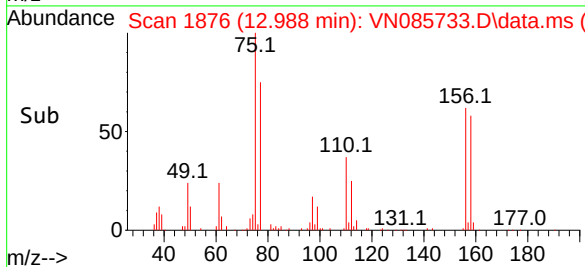
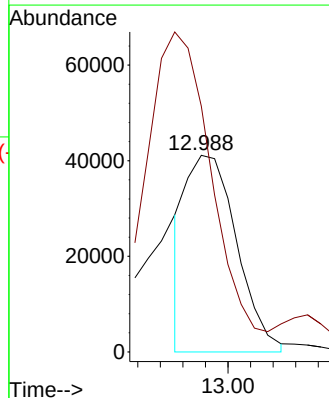
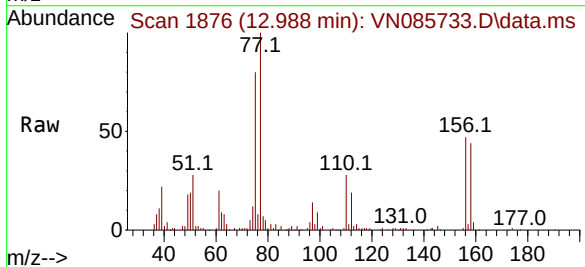
Manual Integrations
APPROVED

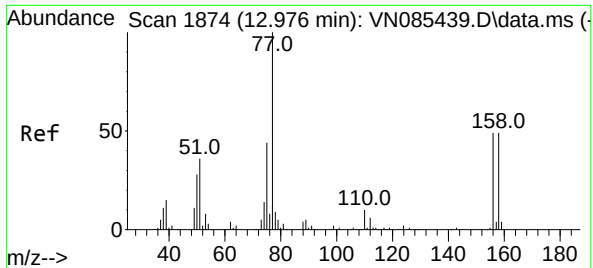
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#76
1,2,3-Trichloropropane
Concen: 19.054 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

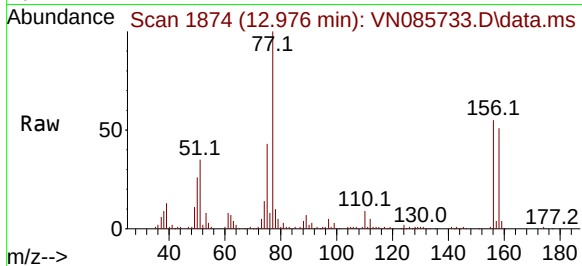
Tgt Ion: 75 Resp: 64639
Ion Ratio Lower Upper
75 100
77 213.2 109.7 329.2





#77
Bromobenzene
Concen: 21.596 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

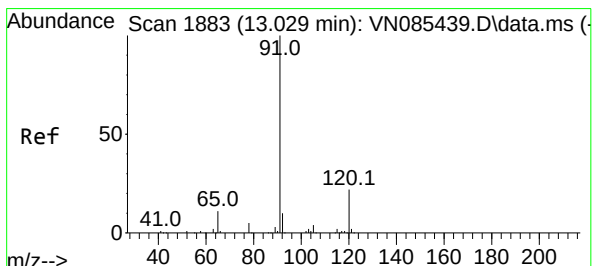
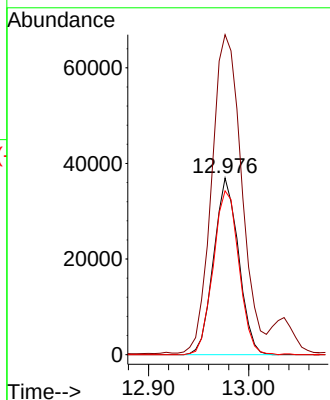
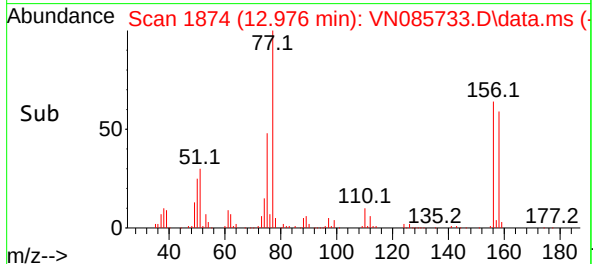
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion:156 Resp: 63550
Ion Ratio Lower Upper
156 100
77 216.9 114.1 342.4
158 95.8 48.9 146.8

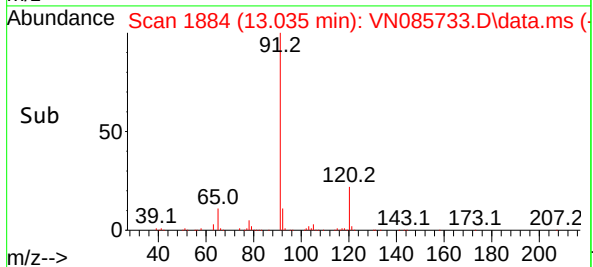
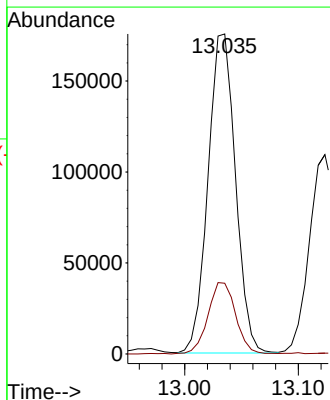
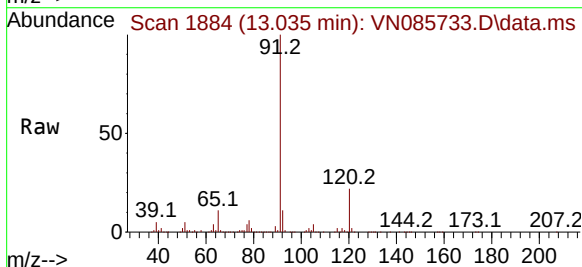
Manual Integrations
APPROVED

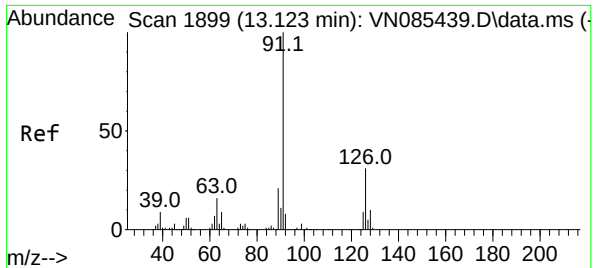
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#78
n-propylbenzene
Concen: 22.103 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Tgt Ion: 91 Resp: 294746
Ion Ratio Lower Upper
91 100
120 22.6 10.9 32.6





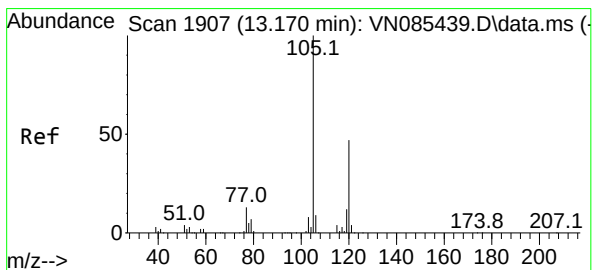
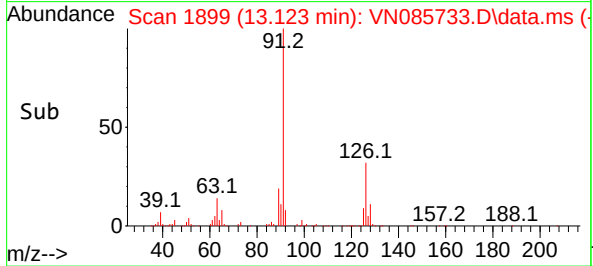
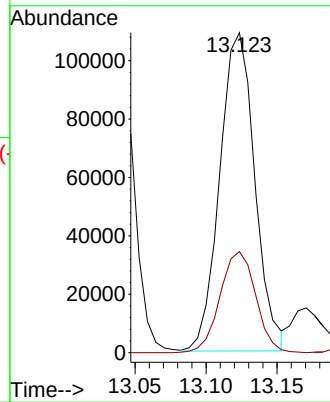
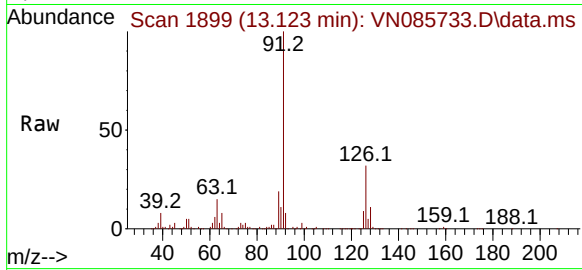
#79
2-Chlorotoluene
Concen: 21.725 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion: 91 Resp: 18750
Ion Ratio Lower Upper
91 100
126 32.3 15.7 47.1

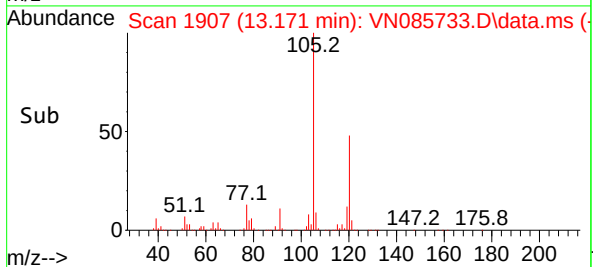
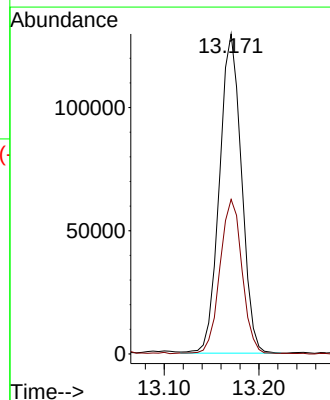
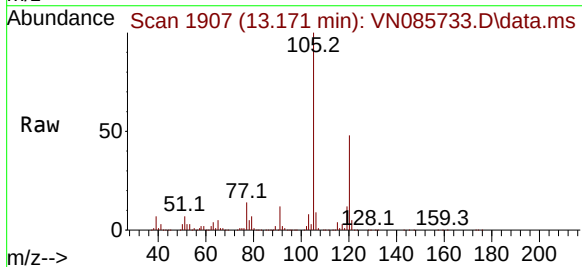
Manual Integrations
APPROVED

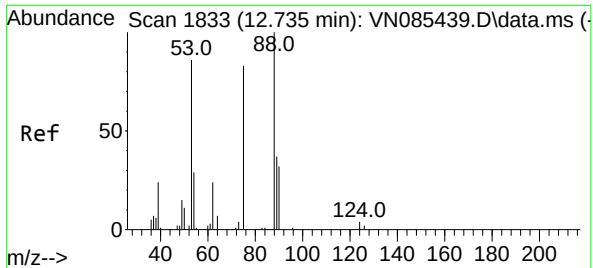
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#80
1,3,5-Trimethylbenzene
Concen: 22.494 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

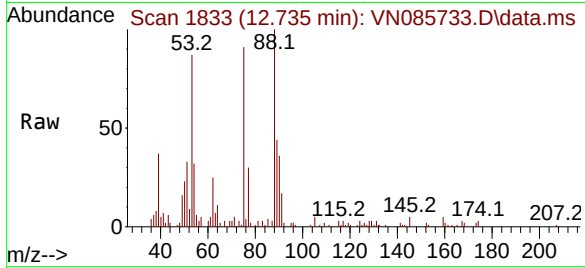
Tgt Ion:105 Resp: 209301
Ion Ratio Lower Upper
105 100
120 49.1 23.9 71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 21.217 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

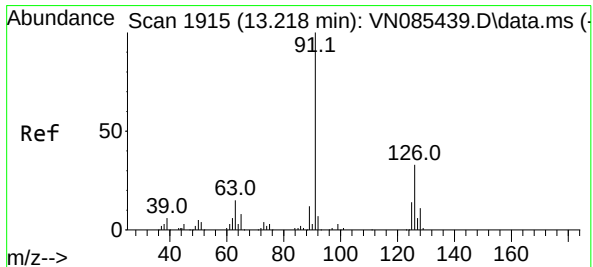
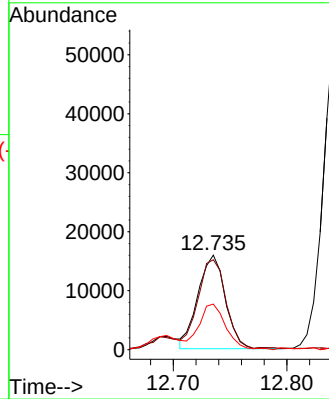
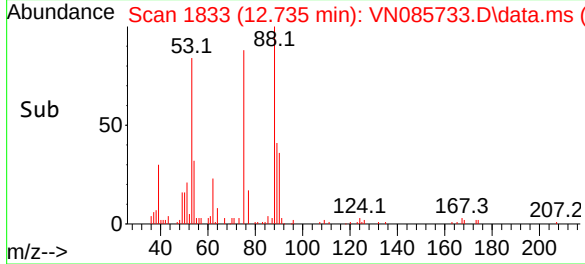
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



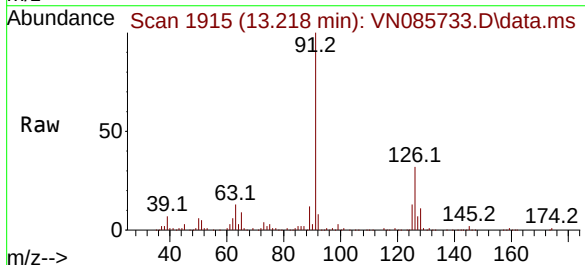
Tgt Ion: 75 Resp: 2660
Ion Ratio Lower Upper
75 100
53 98.8 95.6 143.4
89 46.9 37.0 55.6

Manual Integrations
APPROVED

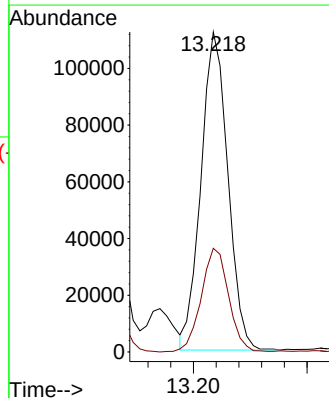
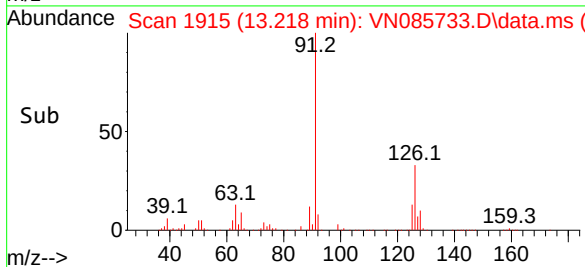
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

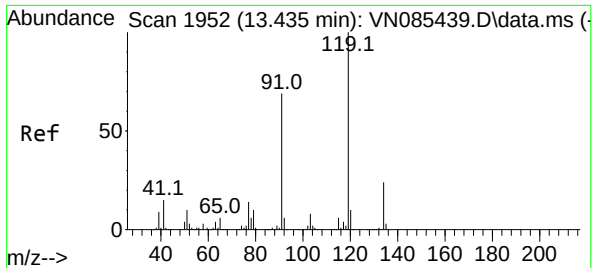


#82
4-Chlorotoluene
Concen: 21.435 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59



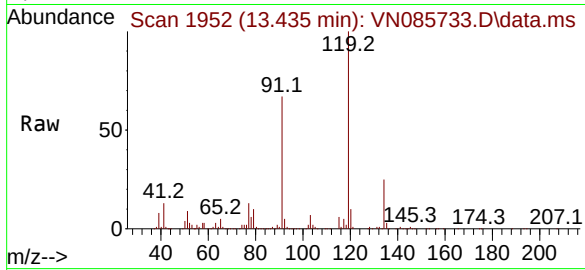
Tgt Ion: 91 Resp: 184197
Ion Ratio Lower Upper
91 100
126 33.3 15.9 47.7





#83
tert-Butylbenzene
Concen: 22.962 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

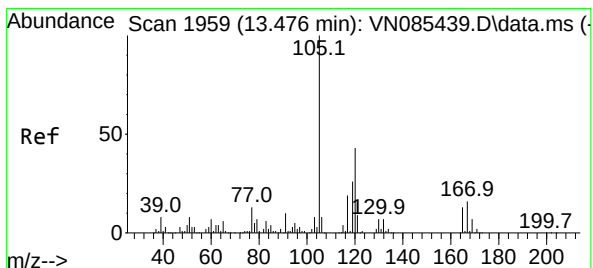
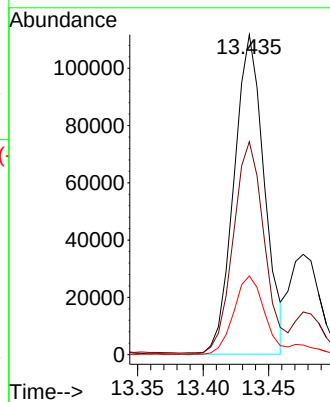
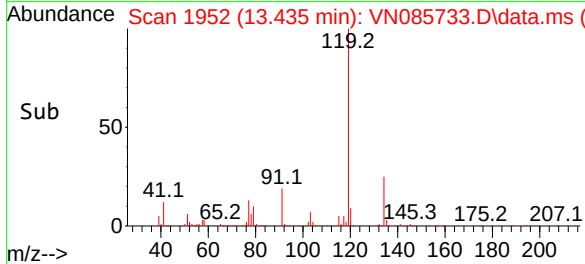
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



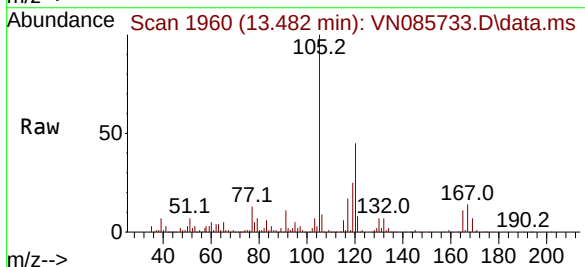
Tgt Ion:119 Resp: 17941
Ion Ratio Lower Upper
119 100
91 68.0 35.1 105.3
134 25.2 12.0 36.1

Manual Integrations
APPROVED

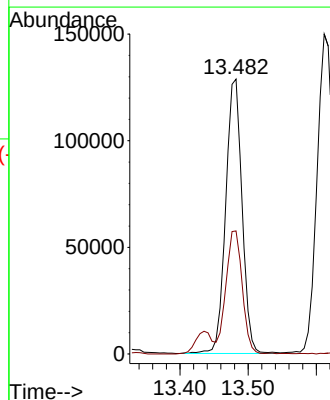
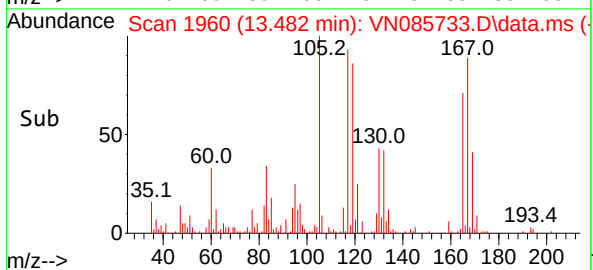
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

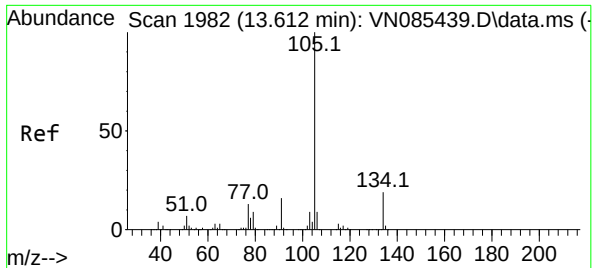


#84
1,2,4-Trimethylbenzene
Concen: 23.216 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59



Tgt Ion:105 Resp: 215295
Ion Ratio Lower Upper
105 100
120 44.2 21.6 65.0





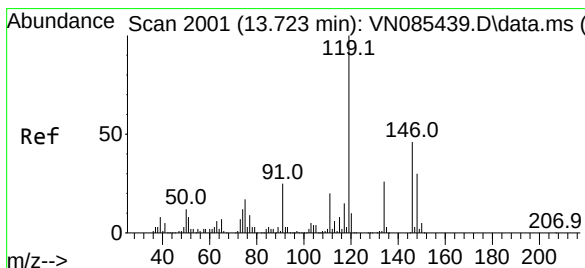
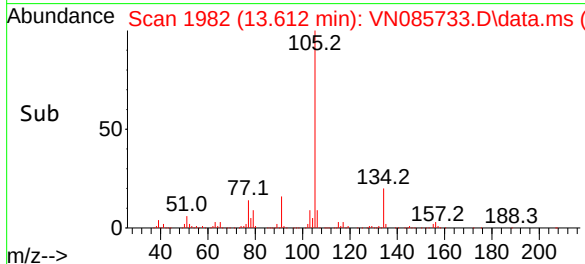
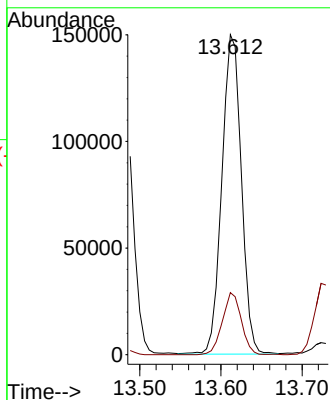
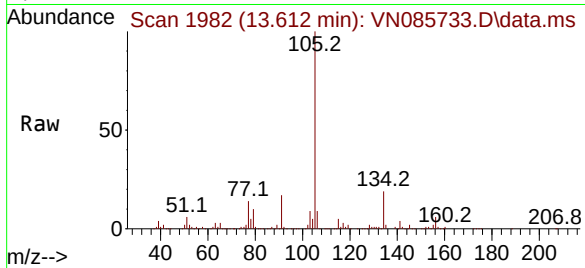
#85
 sec-Butylbenzene
 Concen: 23.123 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN085733.D
 Acq: 10 Feb 2025 18:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01

Tgt Ion:105 Resp: 250410
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.7 28.9

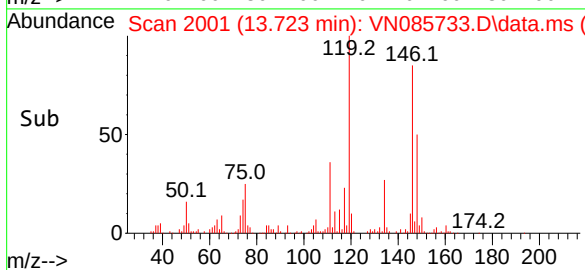
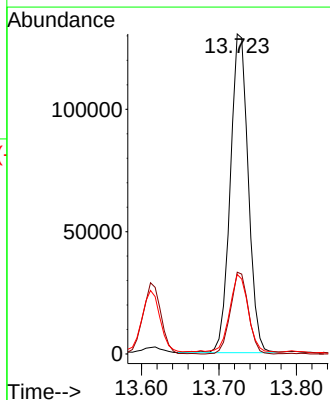
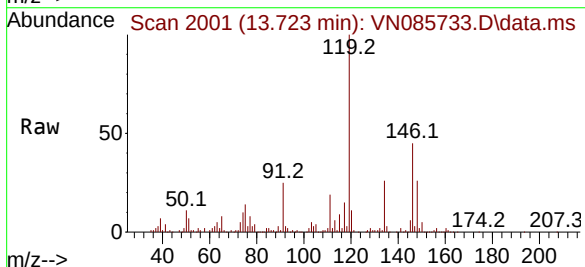
Manual Integrations
 APPROVED

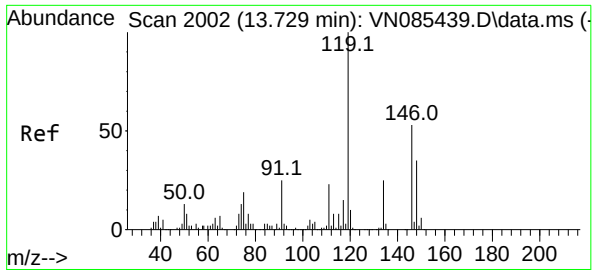
Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025



#86
 p-Isopropyltoluene
 Concen: 23.155 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN085733.D
 Acq: 10 Feb 2025 18:59

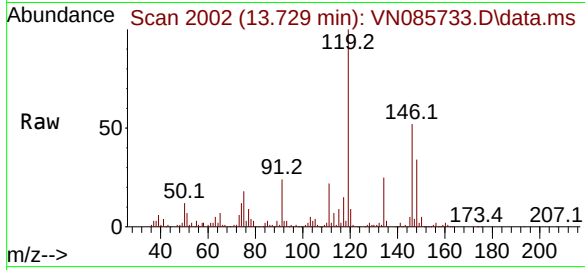
Tgt Ion:119 Resp: 210787
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.0
 91 25.3 12.7 38.1





#87
1,3-Dichlorobenzene
Concen: 21.541 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

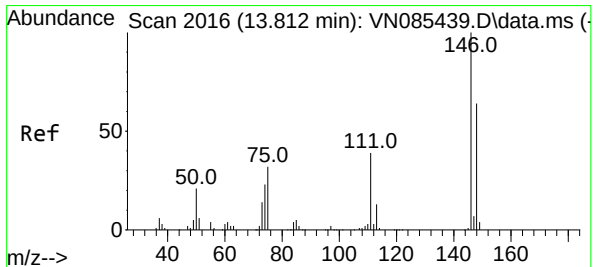
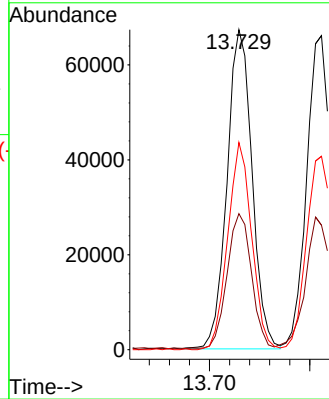
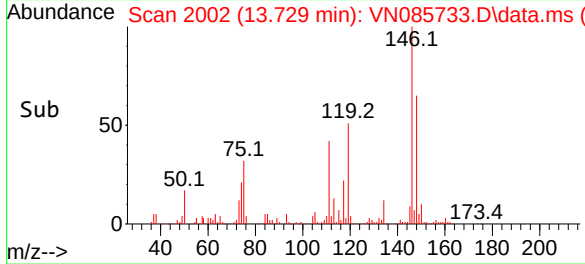
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



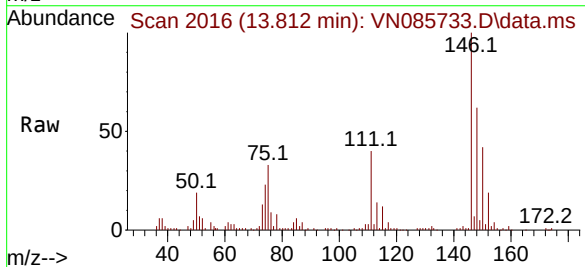
Tgt Ion:146 Resp: 116748
Ion Ratio Lower Upper
146 100
111 41.1 21.4 64.3
148 62.0 32.3 96.9

Manual Integrations
APPROVED

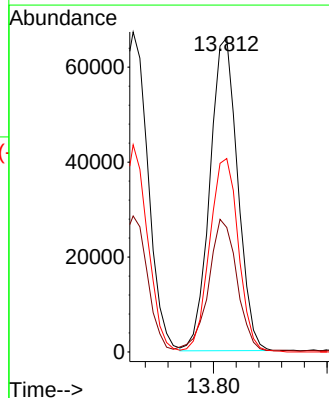
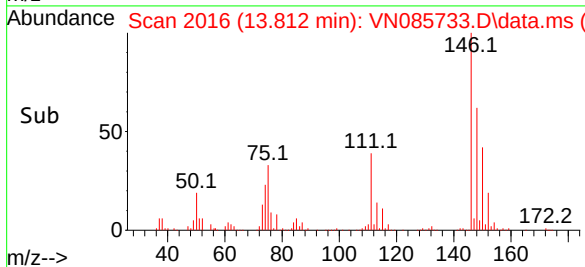
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

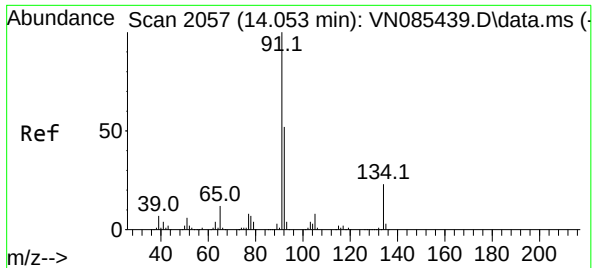


#88
1,4-Dichlorobenzene
Concen: 19.943 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59



Tgt Ion:146 Resp: 112036
Ion Ratio Lower Upper
146 100
111 43.1 21.3 63.7
148 64.1 32.4 97.0





#89

n-Butylbenzene

Concen: 22.824 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

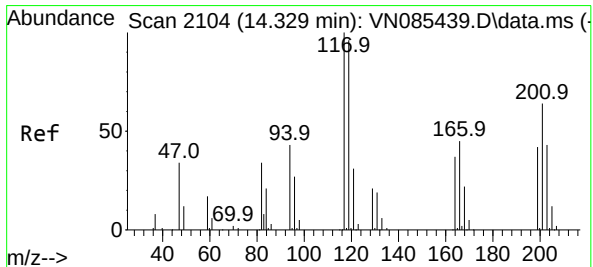
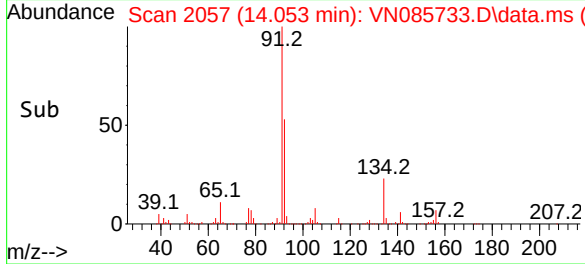
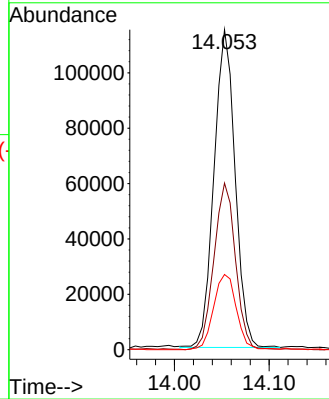
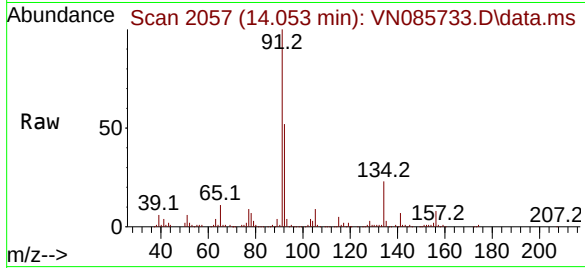
Tgt Ion:	91	Resp:	177324
Ion	Ratio	Lower	Upper
91	100		
92	53.6	25.8	77.3
134	25.6	11.7	35.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 19.226 ug/l

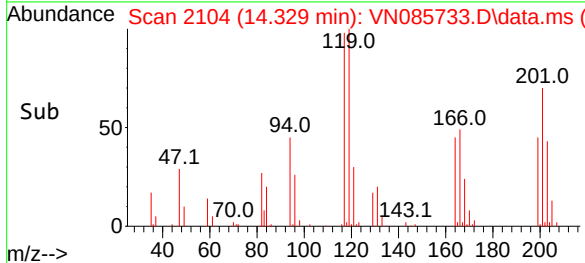
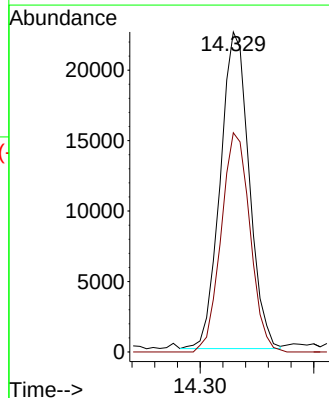
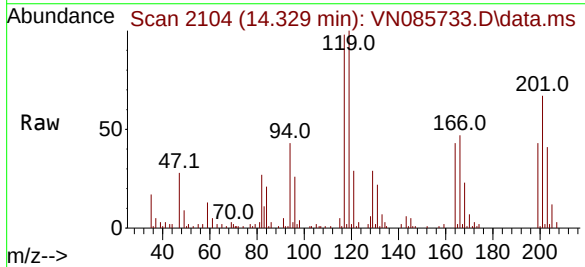
RT: 14.329 min Scan# 2104

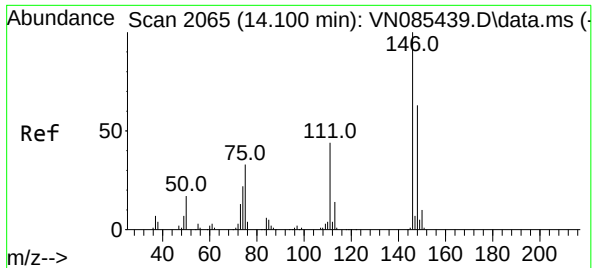
Delta R.T. 0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

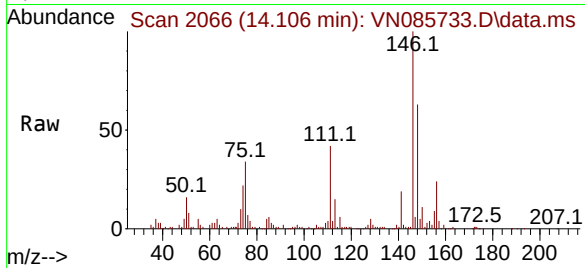
Tgt Ion:	117	Resp:	39638
Ion	Ratio	Lower	Upper
117	100		
201	69.2	33.7	101.0





#91
1,2-Dichlorobenzene
Concen: 21.063 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

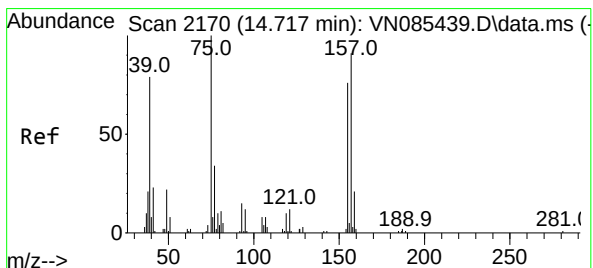
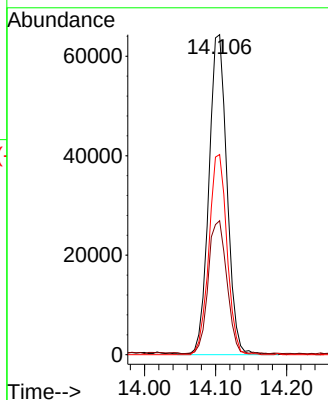
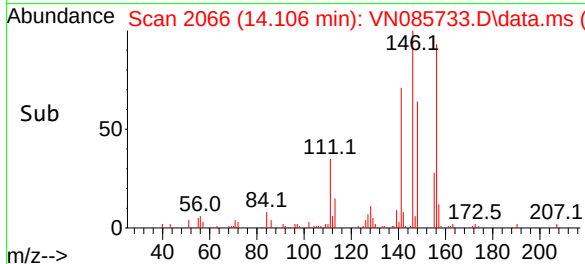
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



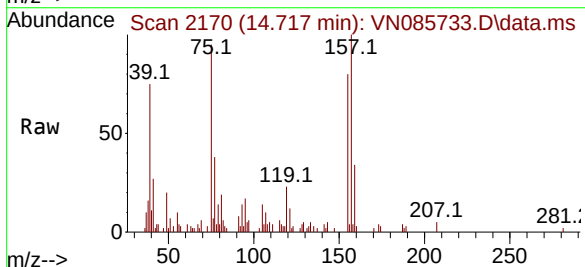
Tgt Ion:146 Resp: 11387
Ion Ratio Lower Upper
146 100
111 42.7 21.7 65.1
148 62.1 31.4 94.2

Manual Integrations
APPROVED

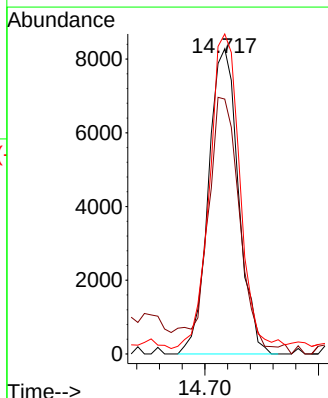
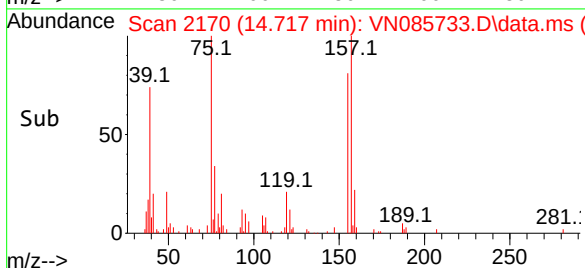
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

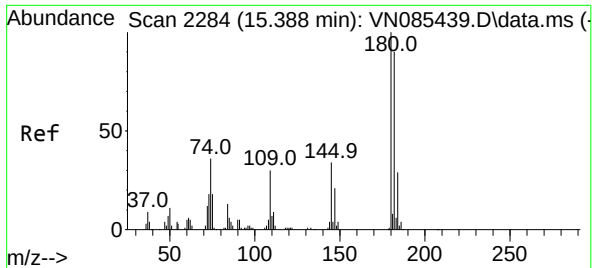


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.849 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59



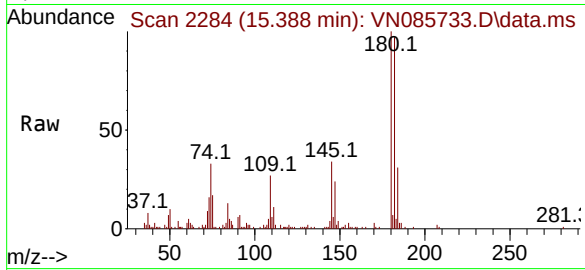
Tgt Ion: 75 Resp: 15149
Ion Ratio Lower Upper
75 100
155 88.3 36.4 109.2
157 104.0 45.4 136.1





#93
1,2,4-Trichlorobenzene
Concen: 21.784 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59

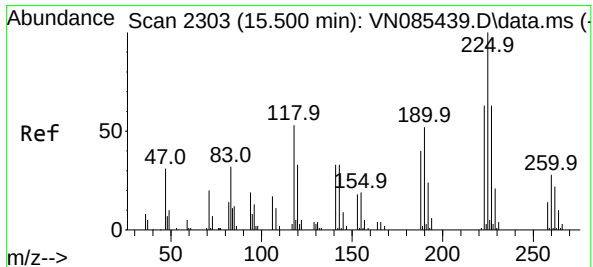
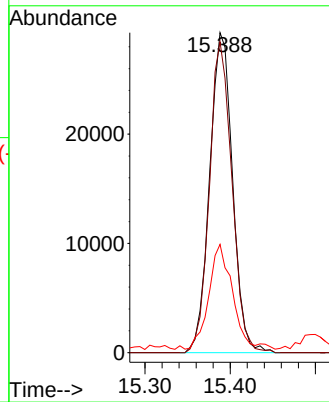
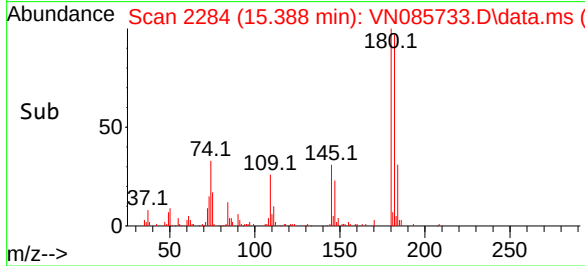
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



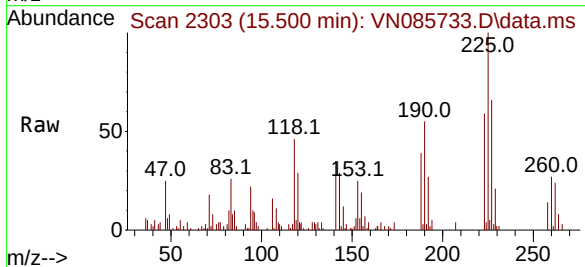
Tgt Ion:180 Resp: 54735
Ion Ratio Lower Upper
180 100
182 95.5 46.8 140.3
145 33.6 16.0 48.0

Manual Integrations
APPROVED

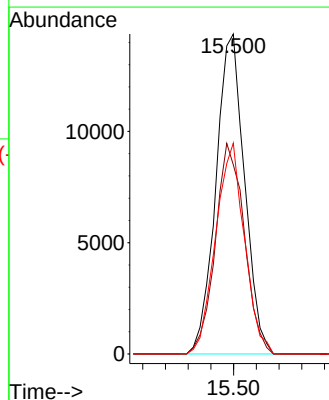
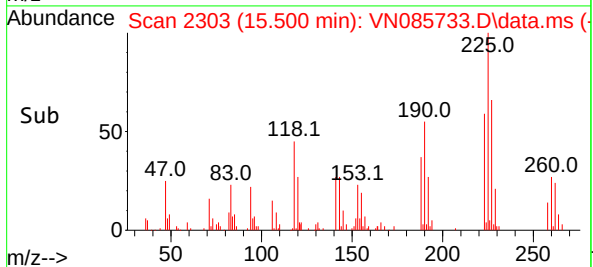
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

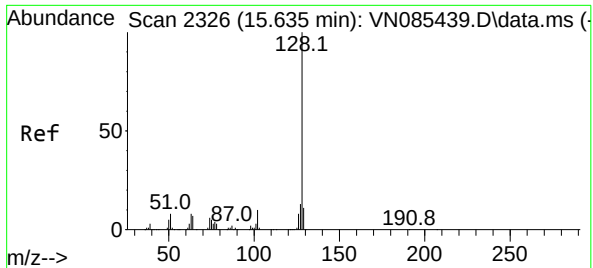


#94
Hexachlorobutadiene
Concen: 18.849 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085733.D
Acq: 10 Feb 2025 18:59



Tgt Ion:225 Resp: 25144
Ion Ratio Lower Upper
225 100
223 66.6 30.7 92.1
227 66.4 30.9 92.5





#95

Naphthalene

Concen: 24.756 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion:128 Resp: 185618

Ion Ratio Lower Upper

128 100

127 14.0 10.6 16.0

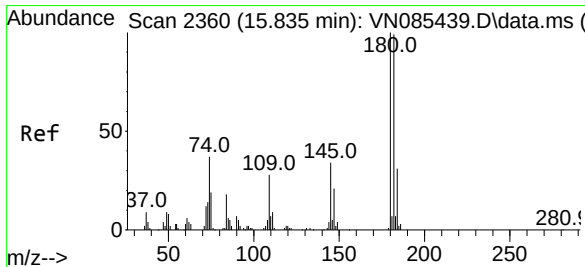
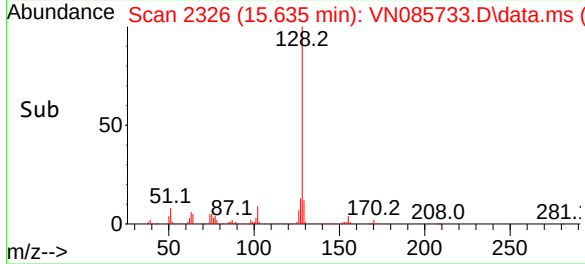
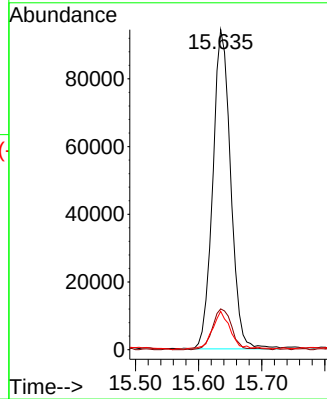
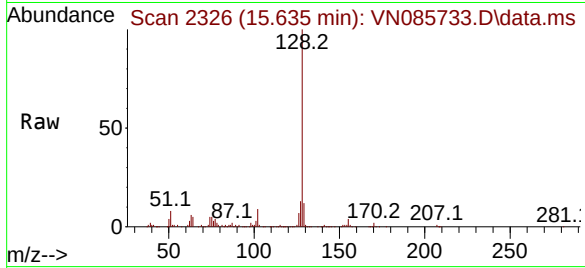
129 13.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.949 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN085733.D

Acq: 10 Feb 2025 18:59

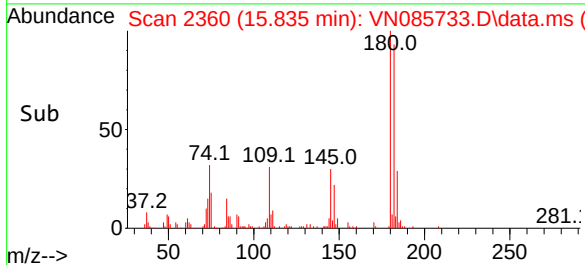
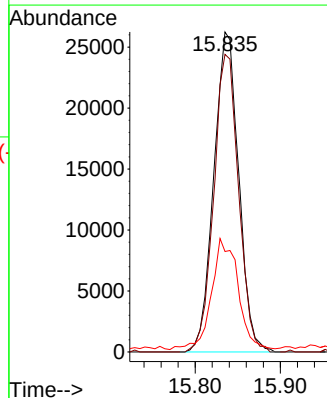
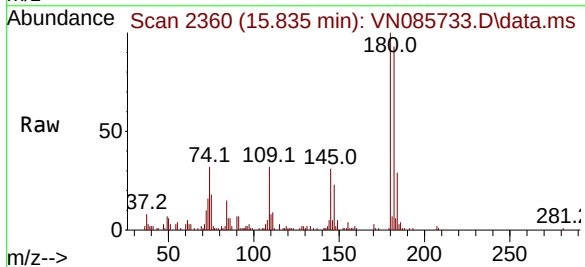
Tgt Ion:180 Resp: 53261

Ion Ratio Lower Upper

180 100

182 92.9 47.4 142.2

145 37.0 16.9 50.7



Manual Integration Report

Sequence:	VN011425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085438.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:09 AM	MMDadoda	1/15/2025 12:55:19 PM	Peak Integrated by Software
VSTDICCC050	VN085439.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:14 AM	MMDadoda	1/15/2025 12:55:22 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	trans-1,4-Dichloro-2-but ene	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	Vinyl Acetate	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC010	VN085441.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:23 AM	MMDadoda	1/15/2025 12:55:29 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	Ethyl Acetate	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	Vinyl Acetate	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,1,2-Trichlorotrifluoroet hane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,1-Dichloroethane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,4-Dichlorobenzene	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN011425

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN085443.D	2-Butanone	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	Ethyl Acetate	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	Vinyl Acetate	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICV050	VN085445.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:37 AM	MMDadoda	1/15/2025 12:55:43 PM	Peak Integrated by Software
VSTDICV050	VN085445.D	trans-1,4-Dichloro-2-butene	JOHN	1/15/2025 9:31:37 AM	MMDadoda	1/15/2025 12:55:43 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN021025

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085718.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:43:46 AM	MMDadoda	2/11/2025 2:05:44 PM	Peak Integrated by Software
VN0210WBS01	VN085721.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:43:50 AM	MMDadoda	2/11/2025 2:05:40 PM	Peak Integrated by Software
VN0210WBS01	VN085721.D	trans-1,4-Dichloro-2-but ene	JOHN	2/11/2025 9:43:50 AM	MMDadoda	2/11/2025 2:05:40 PM	Peak Integrated by Software
VN0210WBSD01	VN085733.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:44:14 AM	MMDadoda	2/11/2025 2:05:47 PM	Peak Integrated by Software
VN0210WBSD01	VN085733.D	Vinyl Acetate	JOHN	2/11/2025 9:44:14 AM	MMDadoda	2/11/2025 2:05:47 PM	Peak Integrated by Software
VSTDCCC050	VN085734.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:44:23 AM	MMDadoda	2/11/2025 2:05:49 PM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN011425

Review By	John Carlone	Review On	1/15/2025 9:31:51 AM		
Supervise By	Maresh Dadoda	Supervise On	1/15/2025 12:55:51 PM		
SubDirectory	VN011425	HP Acquire Method	MSVOA_N	HP Processing Method	82N011425W.M
STD. NAME		STD REF.#			
Tune/Reschk		VP132529			
Initial Calibration Stds		VP132530,VP132531,VP132532,VP132533,VP132534,VP132535			
CCC					
Internal Standard/PEM					
ICV/I.BLK		VP132544			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085437.D	14 Jan 2025 14:22	JC\MD	Ok
2	VSTDICC100	VN085438.D	14 Jan 2025 14:56	JC\MD	Ok,M
3	VSTDICCC050	VN085439.D	14 Jan 2025 15:19	JC\MD	Ok,M
4	VSTDICC020	VN085440.D	14 Jan 2025 15:43	JC\MD	Ok,M
5	VSTDICC010	VN085441.D	14 Jan 2025 16:07	JC\MD	Ok,M
6	VSTDICC005	VN085442.D	14 Jan 2025 16:31	JC\MD	Ok,M
7	VSTDICC001	VN085443.D	14 Jan 2025 17:19	JC\MD	Ok,M
8	IBLK	VN085444.D	14 Jan 2025 17:42	JC\MD	Ok
9	VSTDICV050	VN085445.D	14 Jan 2025 18:06	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN021025

Review By	John Carlone	Review On	2/11/2025 10:13:07 AM
Supervise By	Maresh Dadoda	Supervise On	2/11/2025 2:05:55 PM
SubDirectory	VN021025	HP Acquire Method	HP Processing Method 82N011425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132957		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132958,VP132959		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085717.D	10 Feb 2025 09:49	JC\MD	Ok
2	VSTDCCC050	VN085718.D	10 Feb 2025 12:12	JC\MD	Ok,M
3	VN0210MBL01	VN085719.D	10 Feb 2025 12:48	JC\MD	Ok
4	VN0210WBL01	VN085720.D	10 Feb 2025 13:12	JC\MD	Ok
5	VN0210WBS01	VN085721.D	10 Feb 2025 14:12	JC\MD	Ok,M
6	VN0210MBS01	VN085722.D	10 Feb 2025 14:36	JC\MD	Ok,M
7	Q1293-01	VN085723.D	10 Feb 2025 15:00	JC\MD	Not Ok
8	Q1289-04ME	VN085724.D	10 Feb 2025 15:24	JC\MD	Not Ok
9	IBLK	VN085725.D	10 Feb 2025 15:48	JC\MD	Ok
10	VN0210MBSD01	VN085726.D	10 Feb 2025 16:12	JC\MD	Not Ok
11	Q1328-01	VN085727.D	10 Feb 2025 16:35	JC\MD	Ok
12	Q1328-02	VN085728.D	10 Feb 2025 16:59	JC\MD	Ok
13	Q1328-03	VN085729.D	10 Feb 2025 17:23	JC\MD	Ok
14	Q1328-04	VN085730.D	10 Feb 2025 17:47	JC\MD	Ok
15	Q1332-01	VN085731.D	10 Feb 2025 18:11	JC\MD	Dilution
16	Q1331-01	VN085732.D	10 Feb 2025 18:35	JC\MD	Ok
17	VN0210WBSD01	VN085733.D	10 Feb 2025 18:59	JC\MD	Ok,M
18	VSTDCCC050	VN085734.D	10 Feb 2025 19:23	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN011425

Review By	John Carlone	Review On	1/15/2025 9:31:51 AM
Supervise By	Maresh Dadoda	Supervise On	1/15/2025 12:55:51 PM
SubDirectory	VN011425	HP Acquire Method	MSVOA_N HP Processing Method 82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132529 VP132530,VP132531,VP132532,VP132533,VP132534,VP132535 VP132544

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085437.D	14 Jan 2025 14:22		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN085438.D	14 Jan 2025 14:56		JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN085439.D	14 Jan 2025 15:19	Comp.#56 is on Linear Regression	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN085440.D	14 Jan 2025 15:43	Comp.#86 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN085441.D	14 Jan 2025 16:07		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN085442.D	14 Jan 2025 16:31		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN085443.D	14 Jan 2025 17:19		JC\MD	Ok,M
8	IBLK	IBLK	VN085444.D	14 Jan 2025 17:42		JC\MD	Ok
9	VSTDICV050	ICVVN011425	VN085445.D	14 Jan 2025 18:06		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN021025

Review By	John Carlone	Review On	2/11/2025 10:13:07 AM
Supervise By	Maresh Dadoda	Supervise On	2/11/2025 2:05:55 PM
SubDirectory	VN021025	HP Acquire Method	HP Processing Method 82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP132957
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132958,VP132959

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085717.D	10 Feb 2025 09:49		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085718.D	10 Feb 2025 12:12	CCAL failed high for comp. #68,69	JC\MD	Ok,M
3	VN0210MBL01	VN0210MBL01	VN085719.D	10 Feb 2025 12:48		JC\MD	Ok
4	VN0210WBL01	VN0210WBL01	VN085720.D	10 Feb 2025 13:12		JC\MD	Ok
5	VN0210WBS01	VN0210WBS01	VN085721.D	10 Feb 2025 14:12		JC\MD	Ok,M
6	VN0210MBS01	VN0210MBS01	VN085722.D	10 Feb 2025 14:36		JC\MD	Ok,M
7	Q1293-01	NWB-2123	VN085723.D	10 Feb 2025 15:00	CCAL failed high for comp. #68,69,BSD failed high for comp. #52,68,69; Need lower dilution	JC\MD	Not Ok
8	Q1289-04ME	FL-DRUMS-BME	VN085724.D	10 Feb 2025 15:24	not req	JC\MD	Not Ok
9	IBLK	IBLK	VN085725.D	10 Feb 2025 15:48		JC\MD	Ok
10	VN0210MBSD01	VN0210MBSD01	VN085726.D	10 Feb 2025 16:12	Recovery Fail	JC\MD	Not Ok
11	Q1328-01	Storage-Blank-SOIL-RE	VN085727.D	10 Feb 2025 16:35	vial A pH<2	JC\MD	Ok
12	Q1328-02	Storage-Blank-WATER-	VN085728.D	10 Feb 2025 16:59	vial A pH<2	JC\MD	Ok
13	Q1328-03	Storage-Blank-WATER-	VN085729.D	10 Feb 2025 17:23	vial A pH<2	JC\MD	Ok
14	Q1328-04	Storage-Blank-SAMLE-	VN085730.D	10 Feb 2025 17:47	vial A pH<2	JC\MD	Ok
15	Q1332-01	MW1	VN085731.D	10 Feb 2025 18:11	CCAL failed high for comp. #68,69,BSD failed high for comp. #52,68,69;Need 2X	JC\MD	Dilution
16	Q1331-01	MW1R	VN085732.D	10 Feb 2025 18:35	vial A pH<2	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN021025

Review By	John Carlone	Review On	2/11/2025 10:13:07 AM
Supervise By	Maresh Dadoda	Supervise On	2/11/2025 2:05:55 PM
SubDirectory	VN021025	HP Acquire Method	HP Processing Method 82N011425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132957		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132958,VP132959		

17	VN0210WBSD01	VN0210WBSD01	VN085733.D	10 Feb 2025 18:59	BSD failed high for comp. #52,68,69	JC\MD	Ok,M
18	VSTDCCC050	VSTDCCC050EC	VN085734.D	10 Feb 2025 19:23		JC\MD	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 02/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134629

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1328-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q1328-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q1328-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q1328-08	PCB-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1328-09	PCB-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q1328-10	SVOC-GPC2-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1328-11	PEST-GPC2-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q1328-12	PEST-GPC2-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
Q1328-13	PCB-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1328-14	PCB-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q1340-01	RV-SOIL	11	1.15	8.45	9.6	8.11	82.4	
Q1340-02	RV-SOIL-E2	12	1.15	8.67	9.82	8.28	82.2	
Q1341-01	HAR-ROLLOFFS	13	1.14	8.72	9.86	9.16	92.0	
Q1341-02	HAR-ROLLOFFS-E2	14	1.19	8.60	9.79	8.98	90.6	
Q1343-01	WC-9	15	1.15	8.81	9.96	8.57	84.2	
Q1343-02	WC-9-EPH	16	1.16	8.70	9.86	8.49	84.3	
Q1343-03	WC-9-VOC	17	1.14	8.69	9.83	8.73	87.3	
Q1343-05	WC-10	18	1.18	8.41	9.59	8.41	86.0	
Q1343-06	WC-10-EPH	19	1.14	8.56	9.7	7.97	79.8	
Q1343-07	WC-10-VOC	20	1.13	8.85	9.98	8.88	87.6	
Q1343-09	WC-7	21	1.18	8.55	9.73	8.75	88.5	
Q1343-10	WC-7-EPH	22	1.13	8.77	9.9	8.65	85.7	
Q1343-11	WC-7-VOC	23	1.13	8.80	9.93	8.62	85.1	
Q1343-12	WC-7	24	1.18	8.55	9.73	8.75	88.5	
Q1343-13	WC-13	25	1.15	8.78	9.93	8.91	88.4	
Q1343-14	WC-13-EPH	26	1.11	8.85	9.96	8.6	84.6	
Q1343-15	WC-13-VOC	27	1.14	8.40	9.54	8.27	84.9	
Q1343-17	WC-14	28	1.18	8.81	9.99	8.68	85.1	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 02/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134629

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1343-18	WC-14-EPH	29	1.14	8.83	9.97	8.85	87.3	
Q1343-19	WC-14-VOC	30	1.15	8.80	9.95	8.94	88.5	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

919462d

WorkList Name : %1-020725 WorkList ID : 187555 Department : Wet-Chemistry Date : 02-07-2025 07:58:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1328-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1340-01	RV-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/07/2025	Chemtech -SO
Q1340-02	RV-SOIL-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/07/2025	Chemtech -SO
Q1341-01	HAR-ROLLOFFS	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/07/2025	Chemtech -SO
Q1341-02	HAR-ROLLOFFS-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/07/2025	Chemtech -SO
Q1343-01	WC-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-02	WC-9-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-03	WC-9-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-05	WC-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-06	WC-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-07	WC-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-09	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO

Date/Time 02/07/25 15:30
 Raw Sample Received by: 886094
 Raw Sample Relinquished by: R3 c644 (ab)
 Date/Time 02/07/25 17:10
 Raw Sample Received by: R3 c644 (ab)
 Raw Sample Relinquished by: 886094

WORKLIST(Hardcopy Internal Chain)

27 134629

WorkList Name : %1-020725 WorkList ID : 187555 Department : Wet-Chemistry Date : 02-07-2025 07:58:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1343-10	WC-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-11	WC-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-12	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-13	WC-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-14	WC-13-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-15	WC-13-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-17	WC-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-18	WC-14-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-19	WC-14-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO

Date/Time 02/07/25 15:30
Raw Sample Received by: JPL WOC
Raw Sample Relinquished by: RJ CEXT-1601

Date/Time 02/07/25 17:10
Raw Sample Received by: RJ CEXT-1601
Raw Sample Relinquished by: SP Cext-1



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922

www.chemtech.net

Chemtech Project Number

COC Number

Q1328

CLIENT INFORMATION

PROJECT INFORMATION

BILLING INFORMATION

Report to be sent to:
COMPANY: Chemtech
ADDRESS: 284 Sheffield Street
CITY: Mountainside STATE: NJ ZIP: 08816
ATTENTION: QA Officer
PHONE: (908) 789-8900 FAX: (908) 789-8922

PROJECT NAME: Weekly Sample Blanks
PROJECT #: LOCATION: NJ
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILL TO: Same
ADDRESS:
CITY: STATE: ZIP:
ATTENTION:
PHONE:

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

ANALYSIS

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ EDD FORMAT ☐ Other

1 VOC: 8 in 10 min
2 SVOC: 8 in 10 min
3 Particulate: 10 min
4 PCB
5
6
7
8
9

CHEMTECH
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE

SAMPLE
COLLECTION

DATE

TIME

of Bottles

PRESERVATIVES

COMMENTS

1. Storage-Blank-SOTL-REF-6

AQ

X

2

X

2. Storage-Blank-WATER-REF-5

AQ

X

2

X

3. Storage-Blank-WATER-REF-4

AQ

X

2

X

4. Storage-Blank-SAMPLE-MANAGEMENT

AQ

X

2

X

5. SVOC-GPC-BLANK

SO

X

1

X

6. PEST-GPC-BLANK

SO

X

1

X

7. PEST-GPC-BLANK-SPIKE

SO

X

1

X

8. PCB-GPC-BLANK

SO

X

1

X

9. PCB-GPC-BLANK-SPIKE

SO

X

1

X

10. SVOC-GPC2-BLANK

SO

X

1

X

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER

DATE/TIME

RECEIVED BY

1. Sam

02/17/15

1.

RELINQUISHED BY

DATE/TIME

RECEIVED BY

2.

DATE/TIME

RECEIVED BY

RELINQUISHED BY

DATE/TIME

RECEIVED FOR LAB BY

3.

DATE/TIME

RECEIVED BY

Conditions of bottles or casks at receipt

COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 6.0

Comments:

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other: _____

CHEMTECH: ☐ Picked Up

Shipment Complete

☒ YES ☐ NO

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number

COC Number

#2
81328

CLIENT INFORMATION

Report to be sent to:
COMPANY: CHEMTECH
ADDRESS: 284 Sheffield Street
CITY: Mountainside STATE NJ ZIP: 07092
ATTENTION: QA Officer
PHONE: 908-789-8900 FAX: 908-789-8922

PROJECT INFORMATION
PROJECT NAME: Weekly Storage Blanks
PROJECT #: LOCATION: NJT
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILLING INFORMATION

BILL TO: SAME
ADDRESS: POB
CITY: STATE: ZIP:
ATTENTION: FAX:

DATA TURNAROUND INFORMATION

FAX (FISH)
HARD COPY (DATA PACKAGE): 5 DAYS
EOD: DAYS
TO BE APPROVED BY CHEMTECH
STANDARD HARD COPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only)
☐ Level 2 (Results + QC)
☐ Level 3 (Results + QC + Raw Data)
☐ EOD FORMAT
☐ Level 4 (QC + Full Raw Data)
☐ NJ Required ☐ USEPA CLP
☐ NYS ASPA ☐ NYS ASPB
☐ Other

ANALYSIS

1 PCB-BLANKS
2 PCB-BLANKS
3 PCB-BLANKS
4 PCB-BLANKS
5 PCB-BLANKS
6 PCB-BLANKS
7 PCB-BLANKS
8 PCB-BLANKS
9 PCB-BLANKS
10 PCB-BLANKS

PRESERVATIVES

COMMENTS

← Specify Preservation
A-HCI D-HCI
B-HNO3 E-HCI
C-H2SO4 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION
1.	PEST-GR2-BLANK
2.	PEST-GR2-BLANK-SPIKE
3.	PCB-GR2-BLANK
4.	PCB-GR2-BLANK-SPIKE
5.	
6.	
7.	
8.	
9.	
10.	

SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		DATE	TIME	ANALYST
	CON	REP	DATE	TIME			
SO		X					1
SO		X					1
SO		X					1
SO		X					1

1	2	3	4	5	6	7	8	9
		X						
		X						
			X					
			X					
				X				
				X				

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY 1. Sam	DATE/TIME 02/7/25	RECEIVED BY 1.
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.

Condition of bottles or vials at receipt: COMPLAINT ☒ NON COMPLAINT ☐ COOLER TEMP: 6.0

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other:
CHEMTECH: ☐ Picked Up

Shipment Complete
YES ☒ NO ☐

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488