

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087435.D  
 Acq On : 28 Jul 2025 16:34  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/29/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 01:11:25 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	60635	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.088	114	332596	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	302118	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	140690	30.343	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110	Recovery	=	101.133%	
60) 4-Bromofluorobenzene	12.829	95	146039	29.436	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112	Recovery	=	98.133%	
63) Toluene-d8	10.547	98	414458	29.872	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112	Recovery	=	99.567%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	72163	20.398	ug/l	93
3) Chloromethane	2.383	50	77245	20.569	ug/l	97
4) Vinyl Chloride	2.542	62	74730	19.668	ug/l	91
5) Bromomethane	2.989	94	21170	11.425	ug/l	93
6) Chloroethane	3.142	64	44040	20.550	ug/l	98
7) Trichlorofluoromethane	3.512	101	99488	20.812	ug/l	99
8) Diethyl Ether	3.965	74	42871	21.488	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.365	101	52915	20.292	ug/l	39
10) 1,1-Dichloroethene	4.330	96	56467	21.768	ug/l	91
11) Methyl Iodide	4.571	142	31816	13.546	ug/l	94
12) Methyl Acetate	5.018	43	122526	21.663	ug/l	97
13) Acrolein	4.177	56	49828	108.024	ug/l	100
14) Acrylonitrile	5.706	53	259048	105.625	ug/l	99
15) Acetone	4.424	58	66150	116.374	ug/l	84
16) Carbon Disulfide	4.706	76	175547	19.043	ug/l	98
17) Allyl chloride	5.012	41	113247	18.737	ug/l	98
18) Methylene Chloride	5.265	84	77780	19.917	ug/l	96
19) trans-1,2-Dichloroethene	5.783	96	69839	18.951	ug/l	98
20) Diisopropyl ether	6.665	45	286547	20.838	ug/l	99
21) 1,1-Dichloroethane	6.559	63	139066	19.953	ug/l	98
22) cis-1,2-Dichloroethene	7.477	96	87772	19.596	ug/l	98
23) tert-Butyl Alcohol	5.530	59	104848	110.296	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	261439	20.314	ug/l	98
25) Chloroform	7.947	83	141695	20.137	ug/l	98
26) Cyclohexane	8.241	56	123970	19.259	ug/l #	99
29) 1,1-Dichloropropene	8.353	75	96663	20.473	ug/l	97
30) 2-Butanone	7.471	43	389110	113.748	ug/l	98
31) 2,2-Dichloropropane	7.477	77	118579	20.155	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	116623	20.549	ug/l	98
33) Carbon Tetrachloride	8.347	117	92438	19.753	ug/l	95
34) Benzene	8.588	78	305967	19.813	ug/l	98
35) Methacrylonitrile	7.765	41	82933	21.164	ug/l	93
36) 1,2-Dichloroethane	8.653	62	109920	21.388	ug/l #	93
37) Trichloroethene	9.330	130	69281	19.654	ug/l	99
38) Methylcyclohexane	9.583	83	117022	19.217	ug/l	99
39) 1,2-Dichloropropane	9.606	63	79826	20.532	ug/l	95
40) Dibromomethane	9.694	93	56603	20.523	ug/l	97
41) Bromodichloromethane	9.871	83	114153	20.566	ug/l	92
42) Vinyl Acetate	6.589	43	1314693	114.201	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	150237	21.424	ug/l #	67
44) Isopropyl Acetate	8.677	43	244882	21.858	ug/l	96
45) 1,4-Dioxane	9.683	88	29840	419.795	ug/l	94
46) Methyl methacrylate	9.665	41	108628	20.824	ug/l	92
47) n-amyl Acetate	12.529	43	125601m	27.194	ug/l	
48) t-1,3-Dichloropropene	10.818	75	125872	20.143	ug/l	99
49) cis-1,3-Dichloropropene	10.294	75	133416	20.329	ug/l	99
50) 1,1,2-Trichloroethane	10.994	97	75949	20.688	ug/l	97
51) Ethyl methacrylate	10.859	69	132308	19.901	ug/l	91
52) 1,3-Dichloropropane	11.141	76	131001	20.647	ug/l	98
53) Dibromochloromethane	11.341	129	85994	20.422	ug/l	96
54) 1,2-Dibromoethane	11.447	107	78570	20.340	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	367549	134.460	ug/l	99
56) Bromoform	12.559	173	54106	18.310	ug/l	98
58) 4-Methyl-2-Pentanone	10.430	43	759073	111.545	ug/l	99
59) 2-Hexanone	11.182	43	493203	104.581	ug/l	100
61) Tetrachloroethene	11.088	164	53788	18.752	ug/l	98
62) Toluene	10.612	91	336994	19.765	ug/l	100
64) Chlorobenzene	11.871	112	205875	19.634	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.941	131	68653	19.309	ug/l	96
66) Ethyl Benzene	11.947	91	369620	19.842	ug/l	99
67) m/p-Xylenes	12.053	106	278518	39.903	ug/l	98
68) o-Xylene	12.376	106	134092	19.631	ug/l	97
69) Styrene	12.394	104	224805	19.241	ug/l	98
70) Isopropylbenzene	12.676	105	347281	19.798	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	122643	20.504	ug/l	99
72) 1,2,3-Trichloropropane	12.976	75	100810m	18.528	ug/l	
73) Bromobenzene	12.965	156	78438	19.245	ug/l	96
74) n-propylbenzene	13.018	91	427870	19.756	ug/l	99
75) 2-Chlorotoluene	13.106	91	248409	19.327	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	287479	19.782	ug/l	99
77) t-1,4-Dichloro-2-butene	12.724	75	29797	12.906	ug/l	90
78) 4-Chlorotoluene	13.200	91	256473	19.432	ug/l	99
79) tert-butylbenzene	13.418	119	245925	19.589	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	289712	20.091	ug/l	100
81) sec-Butylbenzene	13.594	105	367695	19.718	ug/l	99
82) p-Isopropyltoluene	13.706	119	303000	20.019	ug/l	99
83) 1,3-Dichlorobenzene	13.718	146	152185	19.731	ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	154414	19.145	ug/l	99
85) n-Butylbenzene	14.035	91	302344	19.834	ug/l	99
86) Hexachloroethane	14.312	117	53562	17.424	ug/l	99
87) 1,2-Dichlorobenzene	14.088	146	145662	19.427	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	27512	19.928	ug/l	95
89) 1,2,4-Trichlorobenzene	15.817	180	85496	18.695	ug/l	98
90) Hexachlorobutadiene	15.476	225	33584	19.288	ug/l	97
91) Naphthalene	15.617	128	345995	20.018	ug/l	98
92) 1,2,3-Trichlorobenzene	15.817	180	85496	18.695	ug/l	98

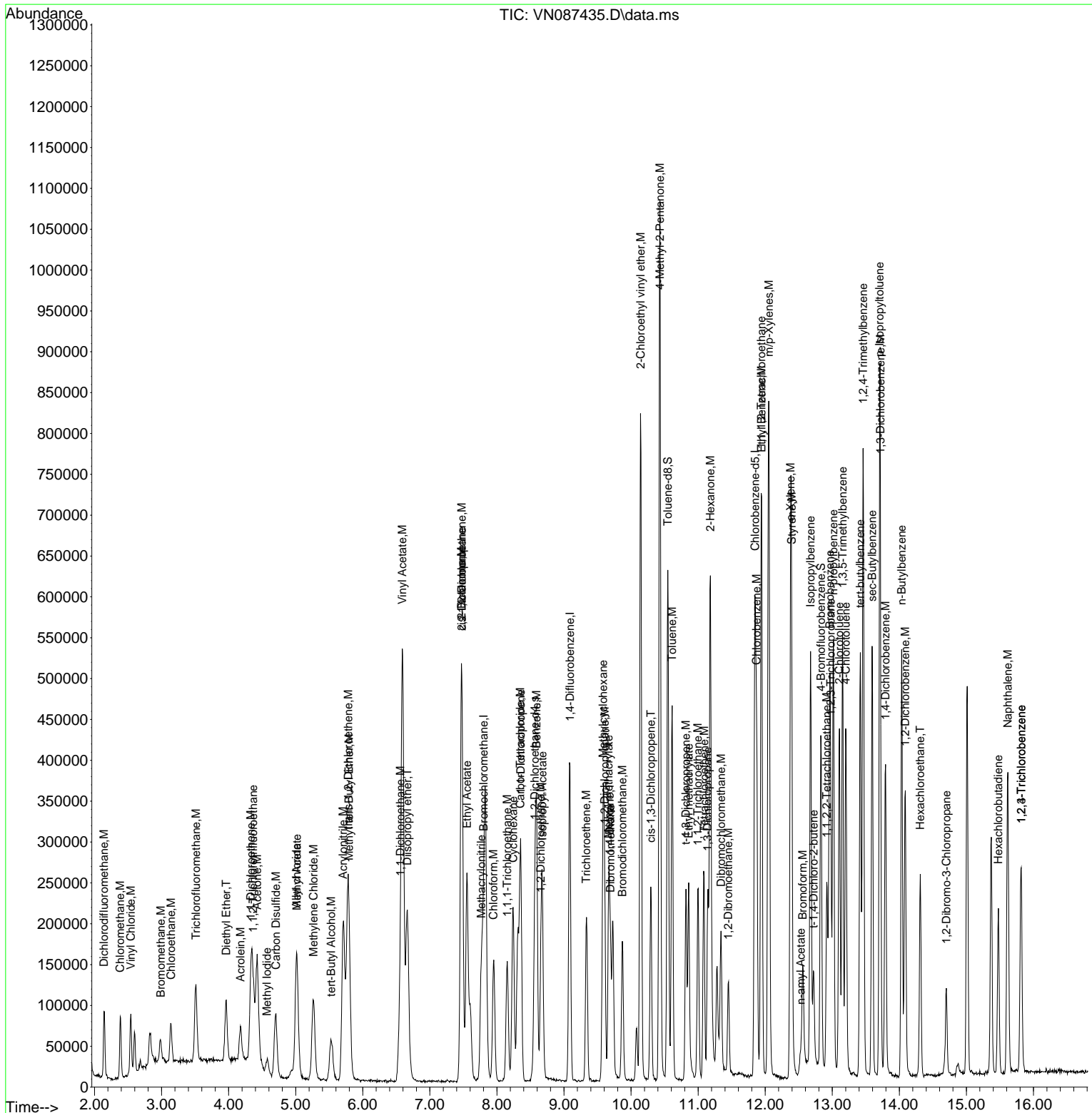
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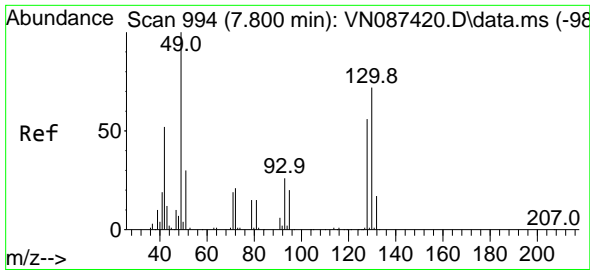
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**Client Sample Id :**  
 VSTDCCC020EC

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**Manual Integrations**  
**APPROVED**  
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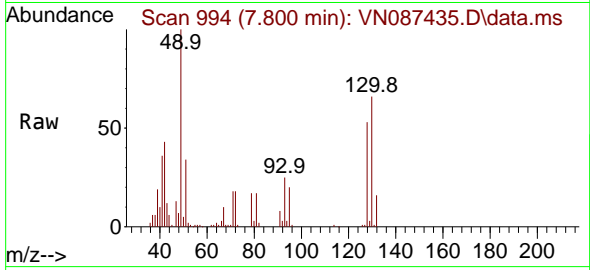
#1  
 Bromochloromethane  
 Concen: 30.000 ug/l  
 RT: 7.800 min Scan# 994  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
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Instrument :

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ClientSampleId :

VSTDCCC020EC



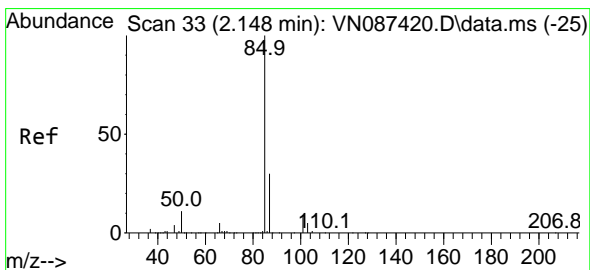
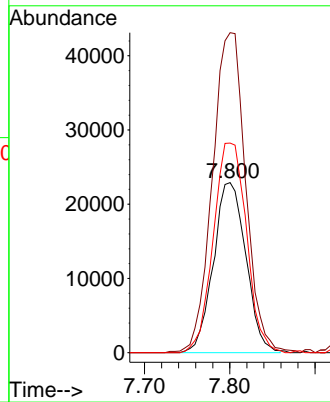
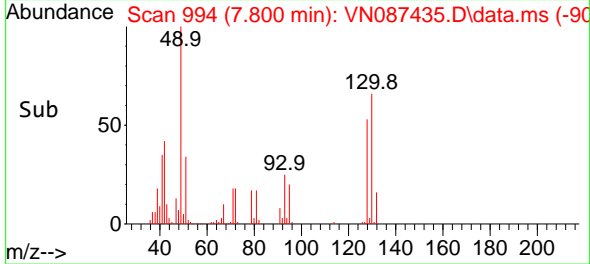
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 Ion Ratio Lower Upper  
 128 100  
 49 192.3 0.0 457.3  
 130 125.9 0.0 316.0

Manual Integrations

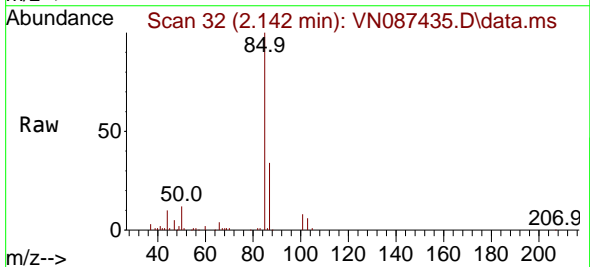
APPROVED

Reviewed By :John Carlone 07/29/2025

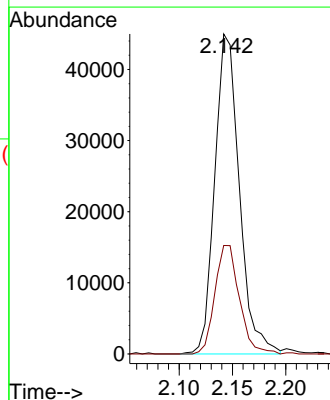
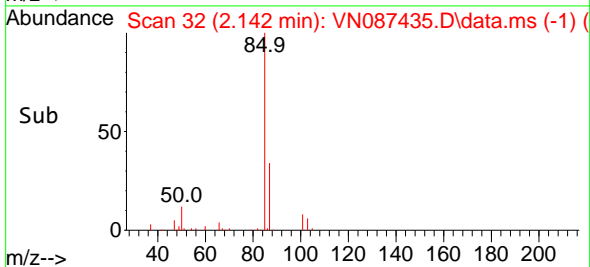
Supervised By :Mahesh Dadoda 07/29/2025

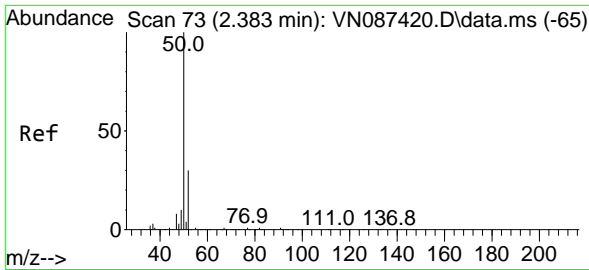


#2  
 Dichlorodifluoromethane  
 Concen: 20.398 ug/l  
 RT: 2.142 min Scan# 32  
 Delta R.T. -0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



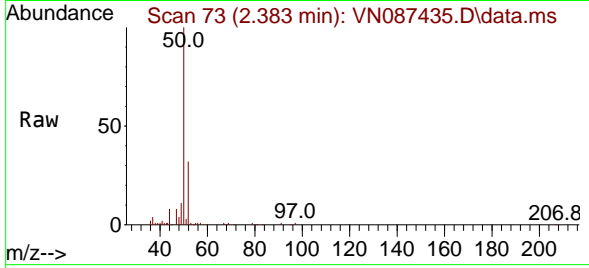
Tgt Ion: 85 Resp: 72163  
 Ion Ratio Lower Upper  
 85 100  
 87 33.9 15.0 45.1





#3  
 Chloromethane  
 Concen: 20.569 ug/l  
 RT: 2.383 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

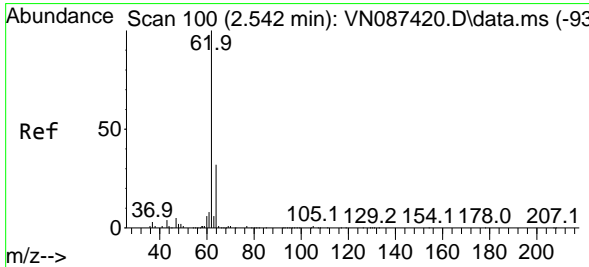
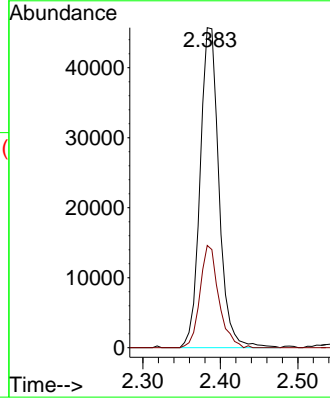
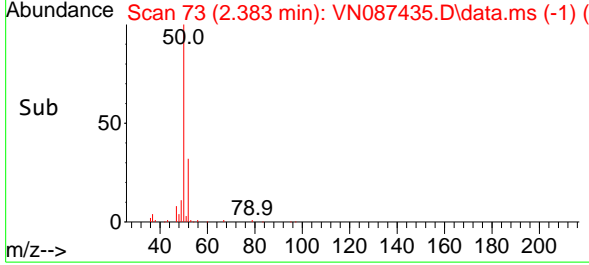
Instrument : MSVOA\_N  
 Client Sample Id : VSTDC0020EC



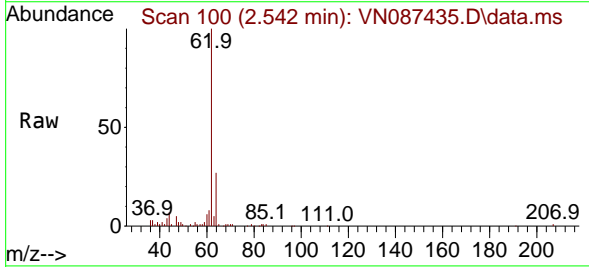
Tgt Ion: 50 Resp: 7724  
 Ion Ratio Lower Upper  
 50 100  
 52 31.9 24.3 36.5

Manual Integrations  
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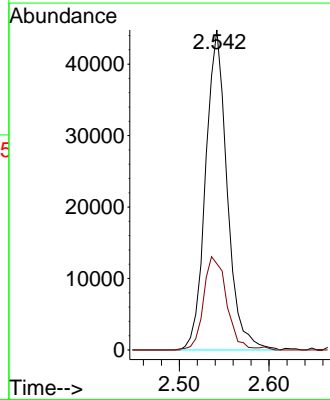
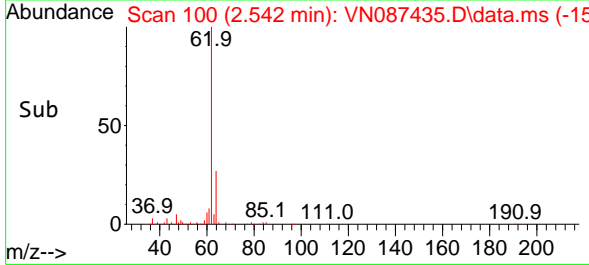
Reviewed By :John Carlone 07/29/2025  
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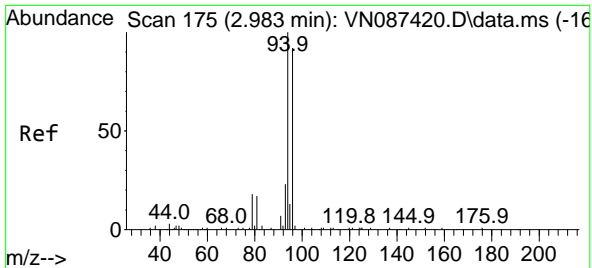


#4  
 Vinyl Chloride  
 Concen: 19.668 ug/l  
 RT: 2.542 min Scan# 100  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



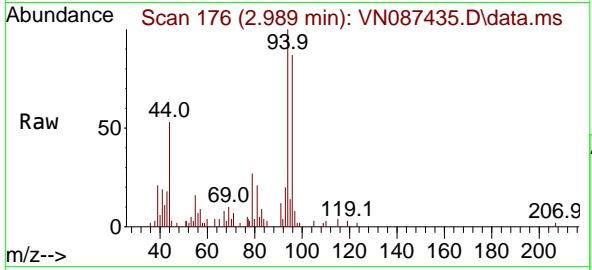
Tgt Ion: 62 Resp: 74730  
 Ion Ratio Lower Upper  
 62 100  
 64 26.9 25.6 38.4





#5  
 Bromomethane  
 Concen: 11.425 ug/l  
 RT: 2.989 min Scan# 176  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

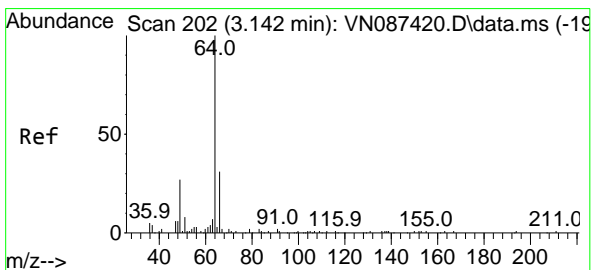
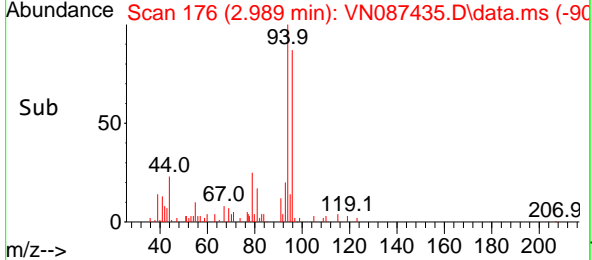
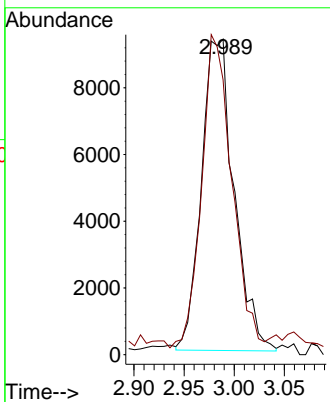
Instrument : MSVOA\_N  
 ClientSampleId : VSTDC0020EC



Tgt Ion: 94 Resp: 21170  
 Ion Ratio Lower Upper  
 94 100  
 96 84.6 73.2 109.8

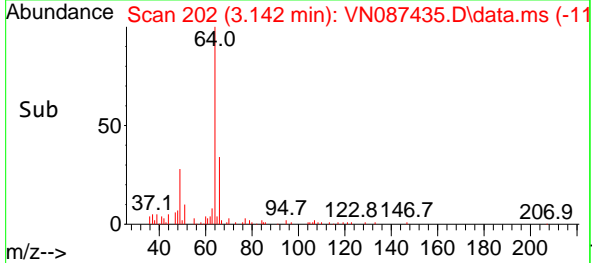
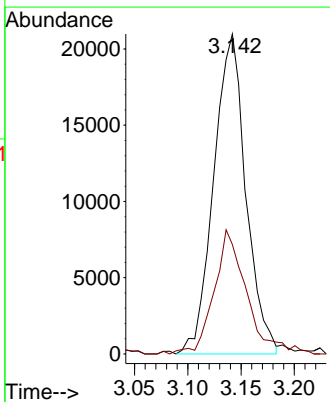
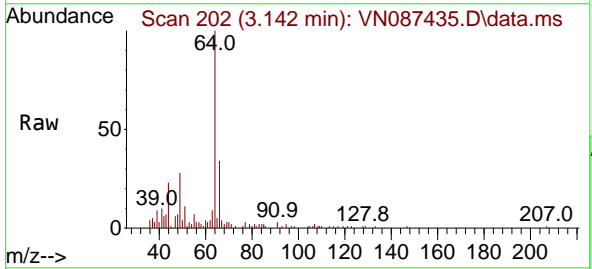
Manual Integrations  
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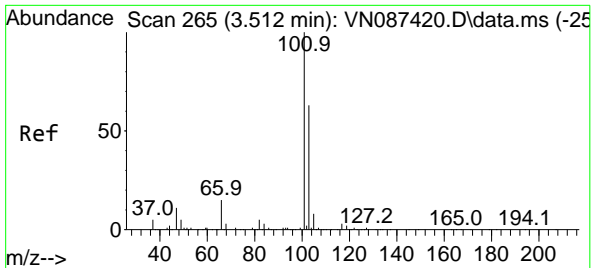
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025



#6  
 Chloroethane  
 Concen: 20.550 ug/l  
 RT: 3.142 min Scan# 202  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

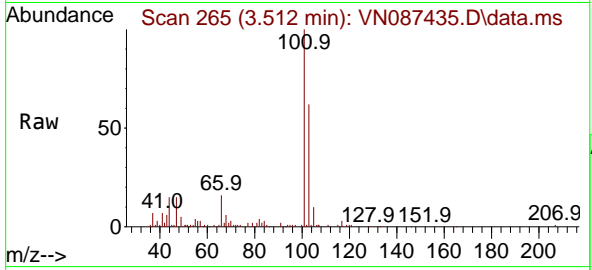
Tgt Ion: 64 Resp: 44040  
 Ion Ratio Lower Upper  
 64 100  
 66 33.3 25.6 38.4





#7  
 Trichlorofluoromethane  
 Concen: 20.812 ug/l  
 RT: 3.512 min Scan# 265  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

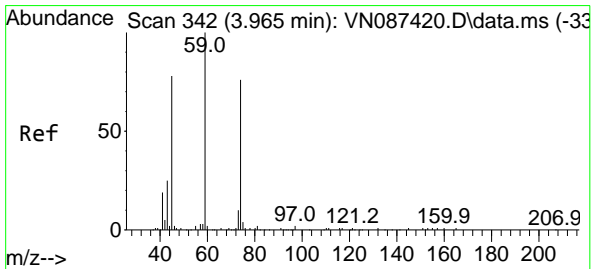
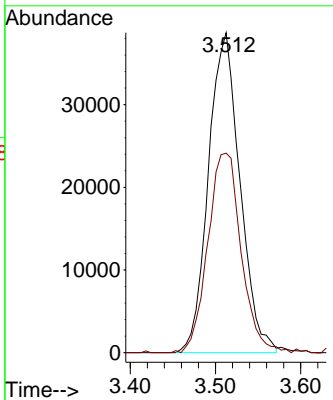
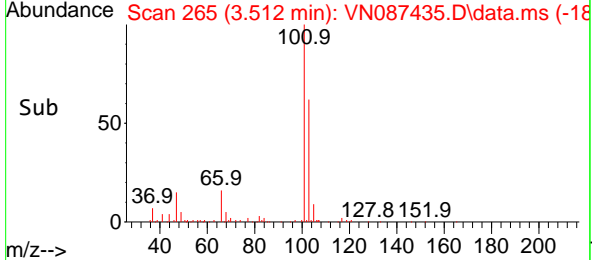
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC020EC



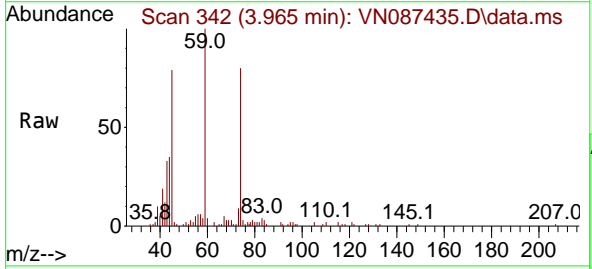
Tgt Ion: 101 Resp: 9948  
 Ion Ratio Lower Upper  
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 103 61.7 50.0 75.0

Manual Integrations  
**APPROVED**

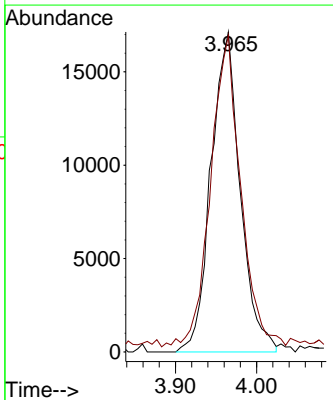
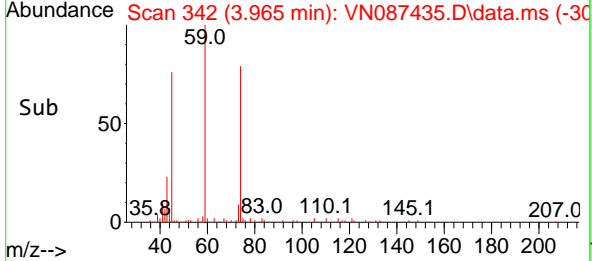
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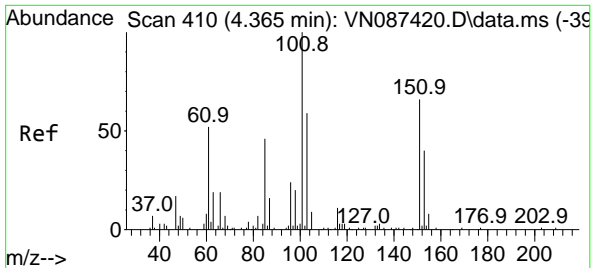


#8  
 Diethyl Ether  
 Concen: 21.488 ug/l  
 RT: 3.965 min Scan# 342  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



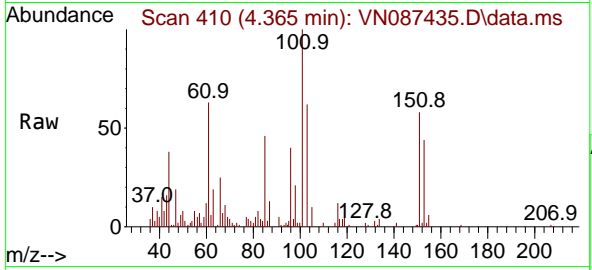
Tgt Ion: 74 Resp: 42871  
 Ion Ratio Lower Upper  
 74 100  
 45 95.8 20.2 181.4





#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 20.292 ug/l  
 RT: 4.365 min Scan# 410  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
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Instrument : MSVOA\_N  
 ClientSampleId : VSTDC020EC

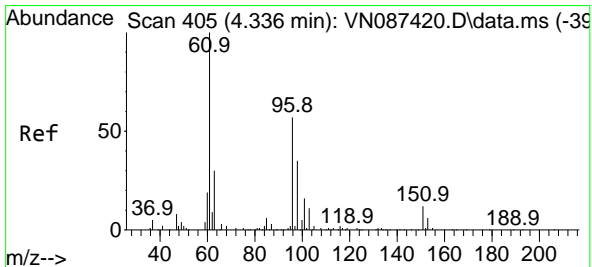
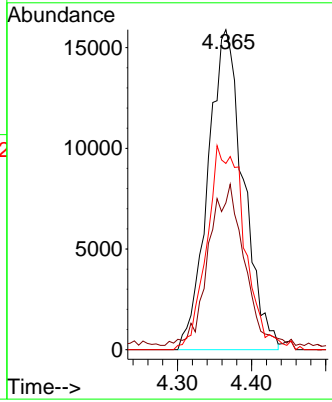
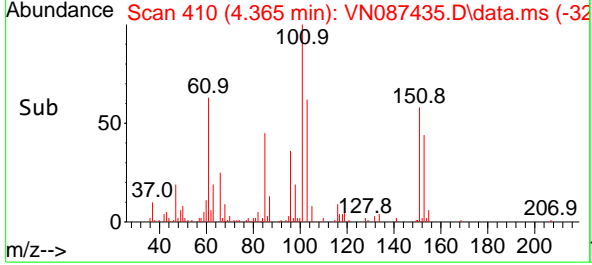


Tgt Ion: 101 Resp: 5291

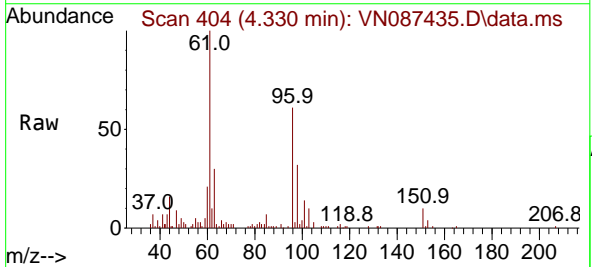
Ion	Ratio	Lower	Upper
101	100		
85	30.2	0.0	101.2
151	0.9	0.0	140.6

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/29/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

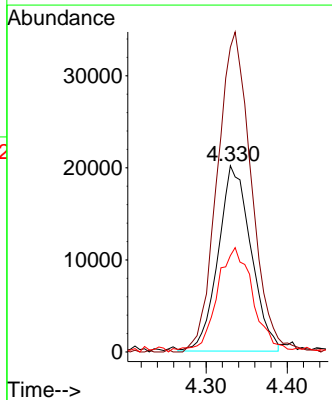
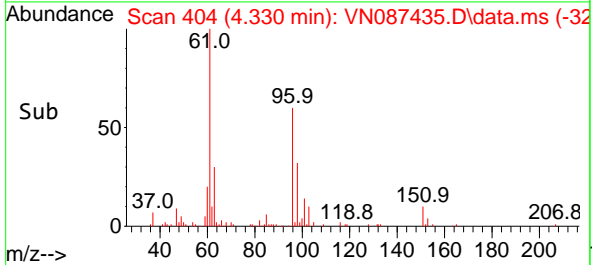


#10  
 1,1-Dichloroethene  
 Concen: 21.768 ug/l  
 RT: 4.330 min Scan# 404  
 Delta R.T. -0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

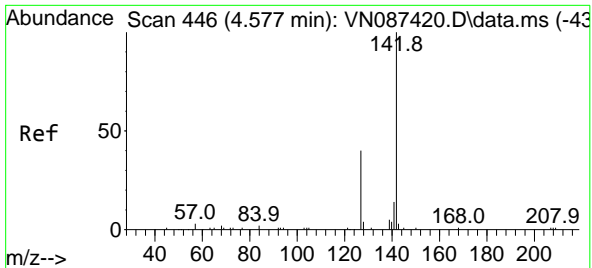


Tgt Ion: 96 Resp: 56467

Ion	Ratio	Lower	Upper
96	100		
61	165.7	140.4	210.6
98	51.0	49.6	74.4

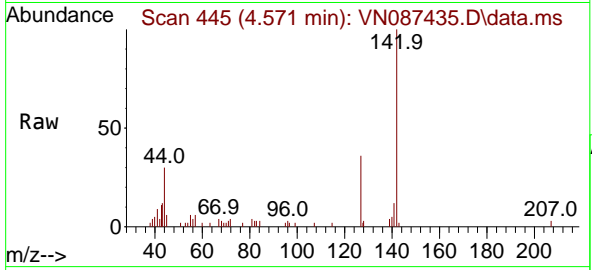






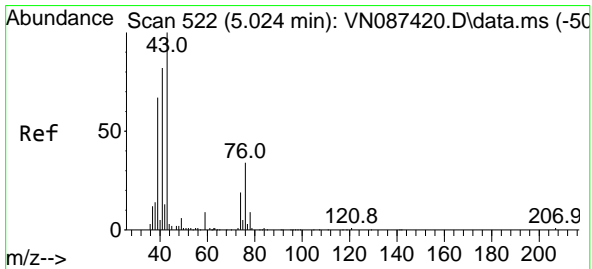
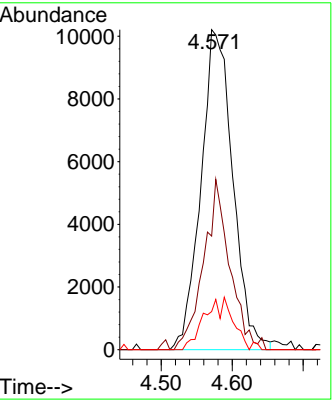
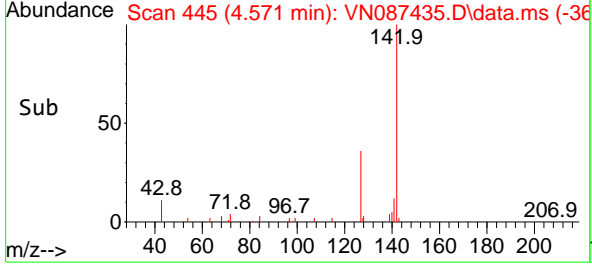
#11  
 Methyl Iodide  
 Concen: 13.546 ug/l  
 RT: 4.571 min Scan# 446  
 Delta R.T. -0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC020EC

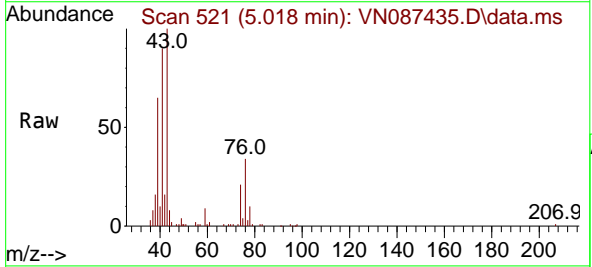


Tgt Ion:142 Resp: 31810  
 Ion Ratio Lower Upper  
 142 100  
 127 36.0 20.0 59.9  
 141 12.0 6.8 20.4

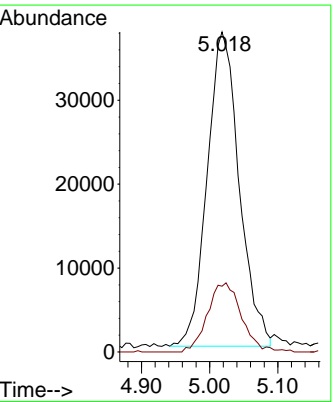
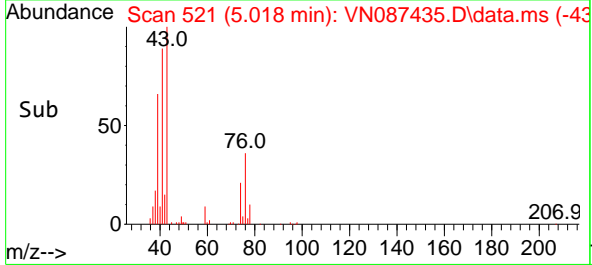
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

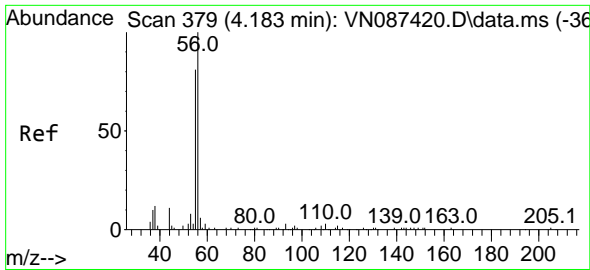


#12  
 Methyl Acetate  
 Concen: 21.663 ug/l  
 RT: 5.018 min Scan# 521  
 Delta R.T. -0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



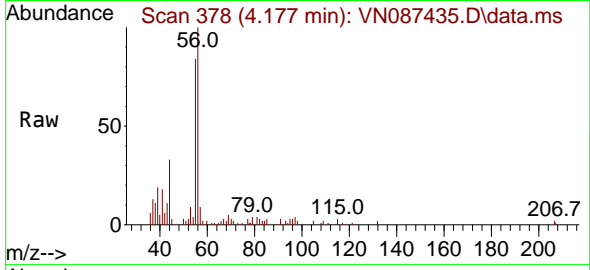
Tgt Ion: 43 Resp: 122526  
 Ion Ratio Lower Upper  
 43 100  
 74 20.5 15.4 23.0





#13  
 Acrolein  
 Concen: 108.024 ug/l  
 RT: 4.177 min Scan# 31  
 Delta R.T. -0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

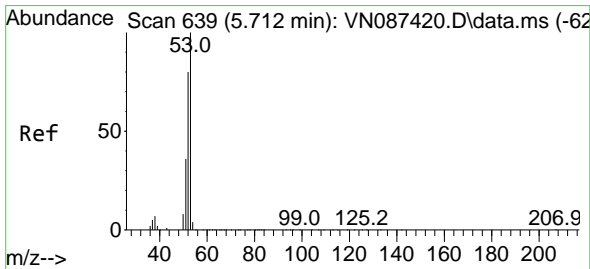
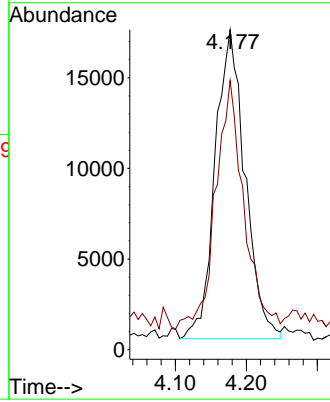
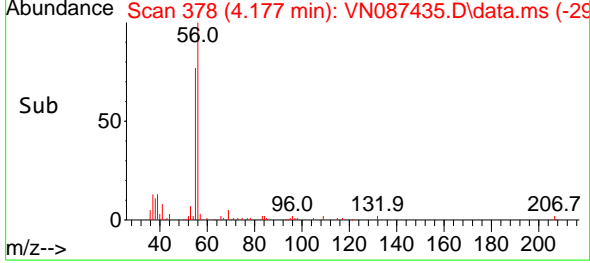
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC020EC



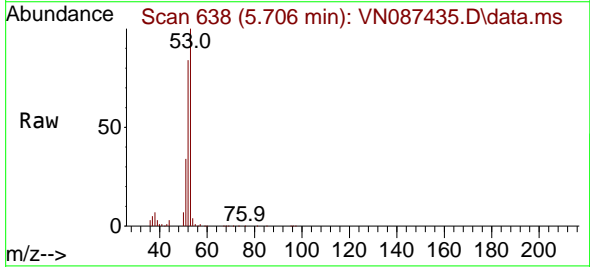
Tgt Ion: 56 Resp: 49828  
 Ion Ratio Lower Upper  
 56 100  
 55 73.9 58.9 88.3

Manual Integrations  
**APPROVED**

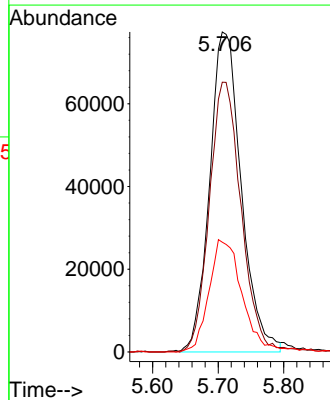
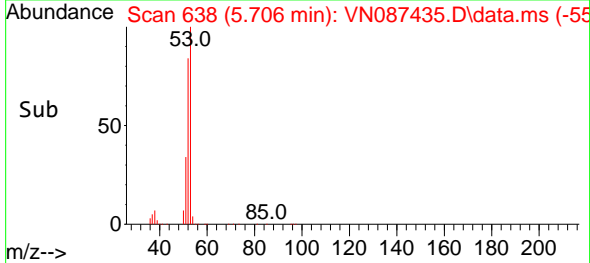
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

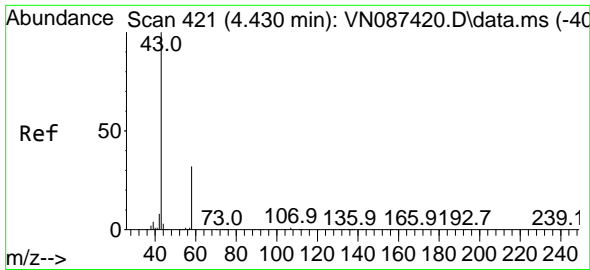


#14  
 Acrylonitrile  
 Concen: 105.625 ug/l  
 RT: 5.706 min Scan# 638  
 Delta R.T. -0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 53 Resp: 259048  
 Ion Ratio Lower Upper  
 53 100  
 52 84.1 41.6 124.9  
 51 35.6 18.1 54.4





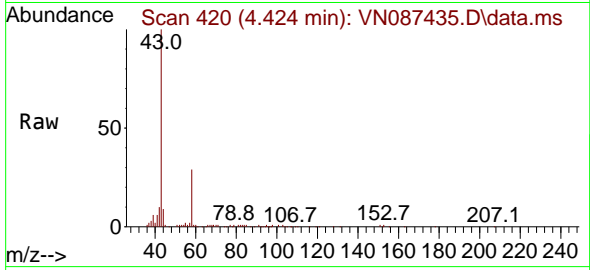
#15  
 Acetone  
 Concen: 116.374 ug/l  
 RT: 4.424 min Scan# 415  
 Delta R.T. -0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



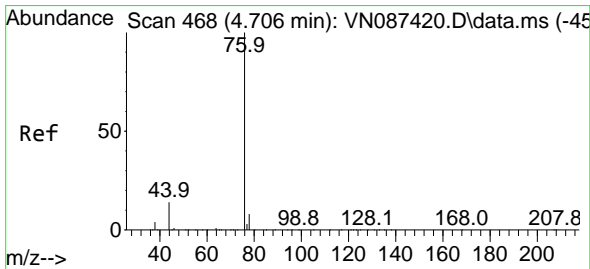
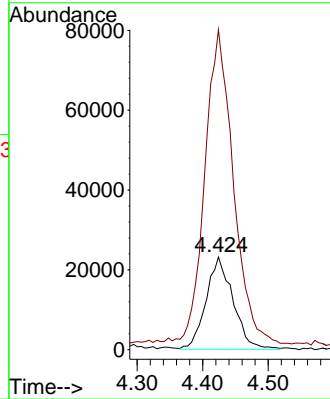
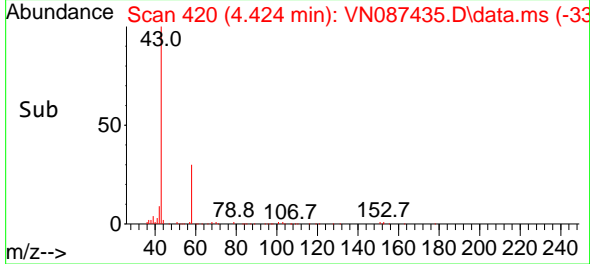
Tgt Ion: 58 Resp: 66150  
 Ion Ratio Lower Upper  
 58 100  
 43 343.1 248.4 372.6

Manual Integrations

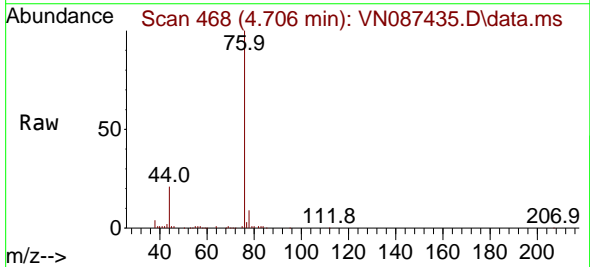
APPROVED

Reviewed By :John Carlone 07/29/2025

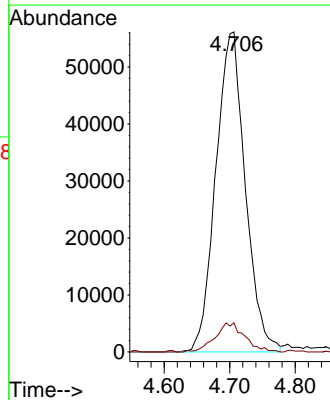
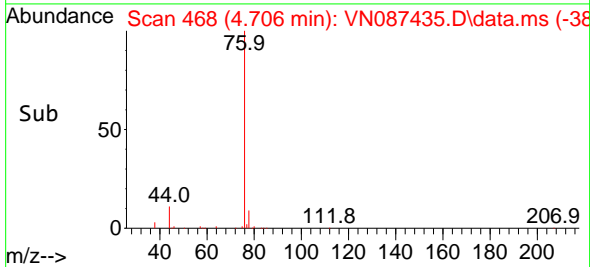
Supervised By :Mahesh Dadoda 07/29/2025

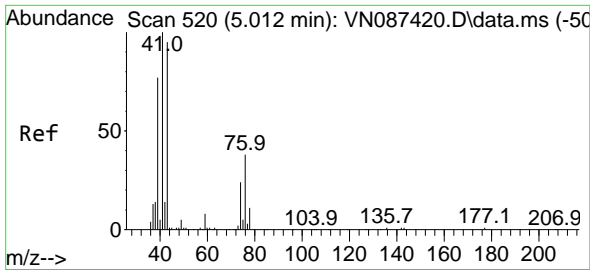


#16  
 Carbon Disulfide  
 Concen: 19.043 ug/l  
 RT: 4.706 min Scan# 468  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 76 Resp: 175547  
 Ion Ratio Lower Upper  
 76 100  
 78 9.1 6.6 10.0





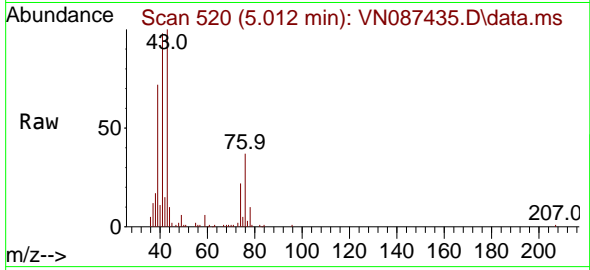
#17  
 Allyl chloride  
 Concen: 18.737 ug/l  
 RT: 5.012 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



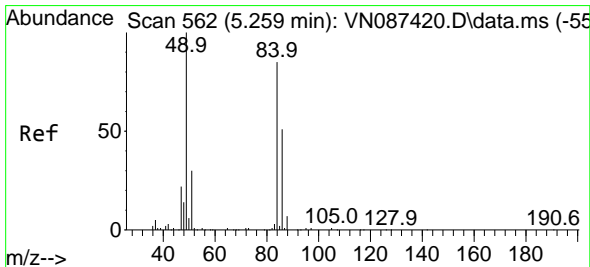
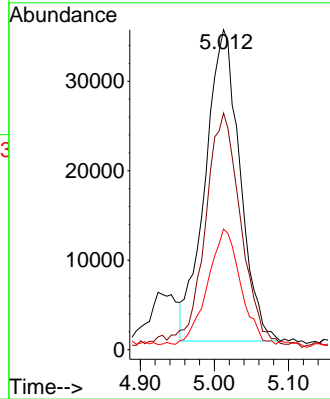
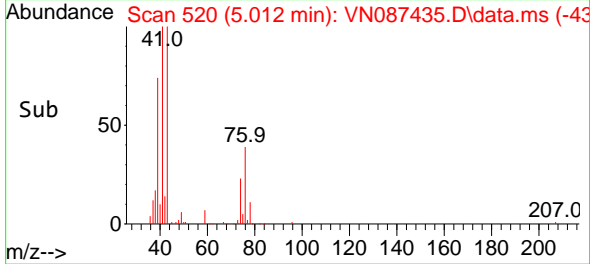
Tgt Ion: 41 Resp: 11324  
 Ion Ratio Lower Upper  
 41 100  
 39 74.0 35.9 107.8  
 76 36.0 17.5 52.5

Manual Integrations

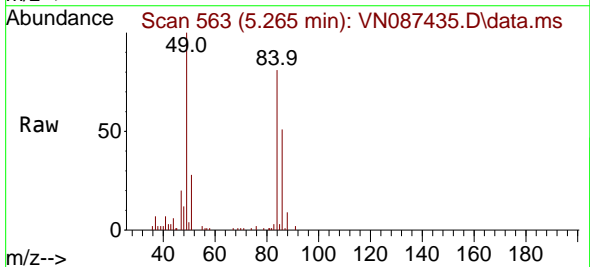
APPROVED

Reviewed By :John Carlone 07/29/2025

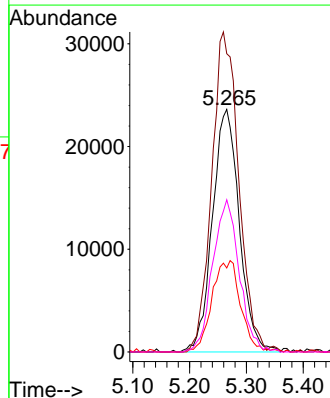
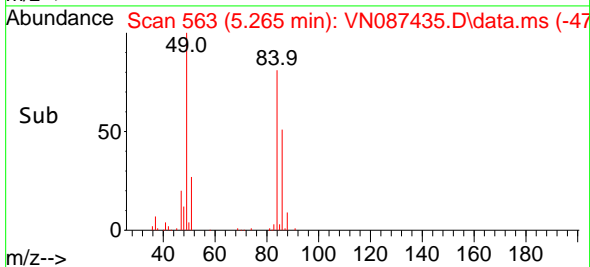
Supervised By :Mahesh Dadoda 07/29/2025

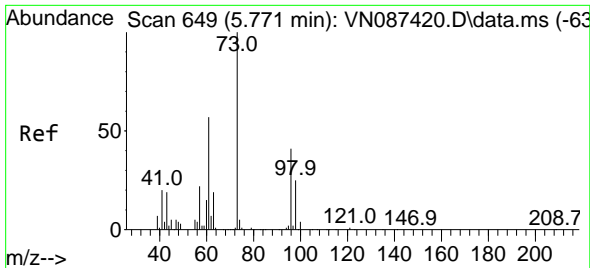


#18  
 Methylene Chloride  
 Concen: 19.917 ug/l  
 RT: 5.265 min Scan# 563  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



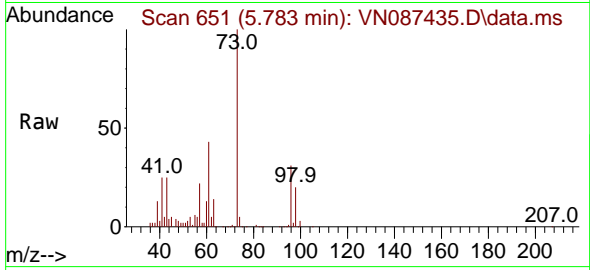
Tgt Ion: 84 Resp: 77780  
 Ion Ratio Lower Upper  
 84 100  
 49 123.0 93.5 140.3  
 51 34.6 28.0 42.0  
 86 62.7 48.0 72.0





#19  
 trans-1,2-Dichloroethene  
 Concen: 18.951 ug/l  
 RT: 5.783 min Scan# 61  
 Delta R.T. 0.012 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

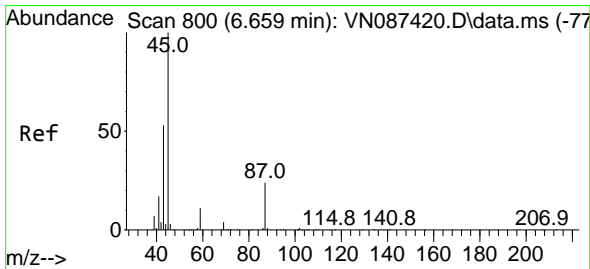
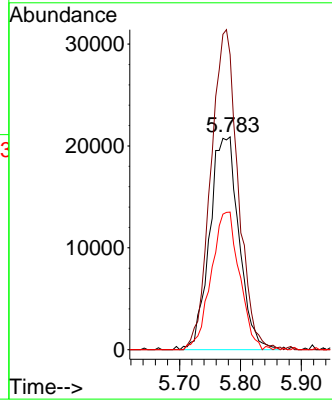
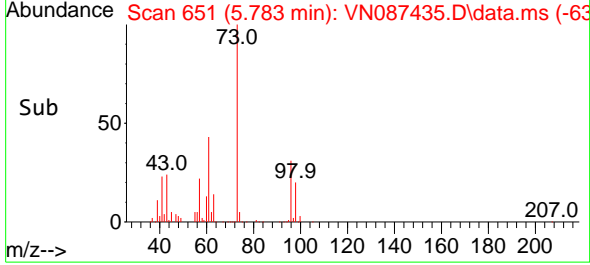
**Instrument :**  
 MSVOA\_N  
**ClientSampleId :**  
 VSTDCCC020EC



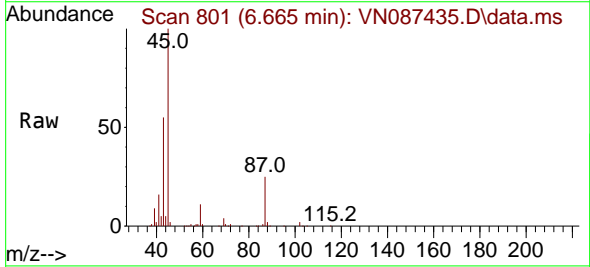
Tgt Ion: 96 Resp: 69839  
 Ion Ratio Lower Upper  
 96 100  
 61 138.6 110.2 165.4  
 98 64.7 47.9 71.9

**Manual Integrations**  
**APPROVED**

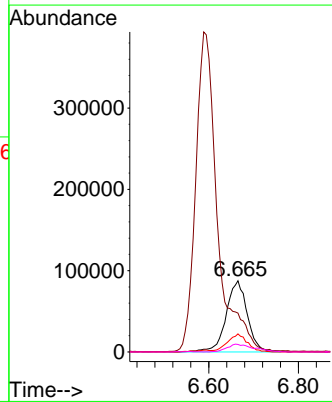
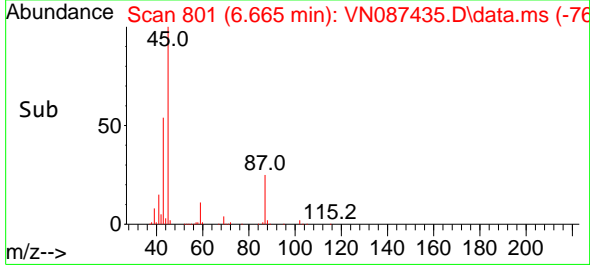
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

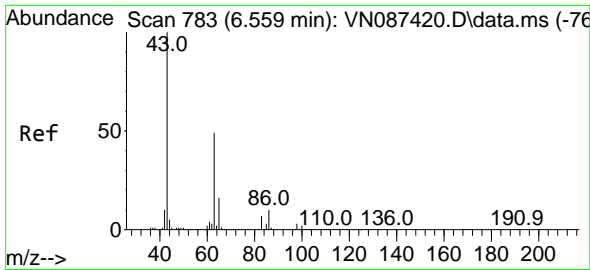


#20  
 Diisopropyl ether  
 Concen: 20.838 ug/l  
 RT: 6.665 min Scan# 801  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 45 Resp: 286547  
 Ion Ratio Lower Upper  
 45 100  
 43 53.1 42.7 64.1  
 87 25.3 19.4 29.0  
 59 10.4 8.7 13.1





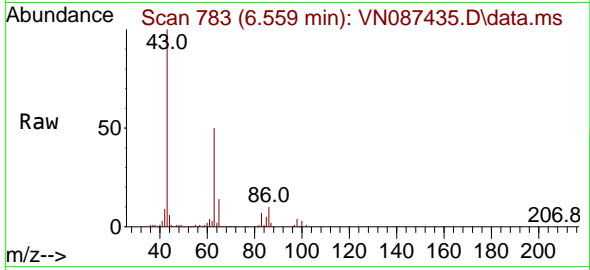
#21  
 1,1-Dichloroethane  
 Concen: 19.953 ug/l  
 RT: 6.559 min Scan# 783  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

Client Sample Id :

VSTDCCC020EC



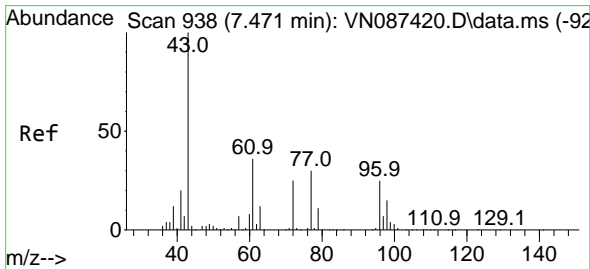
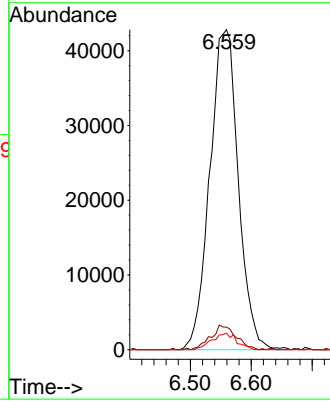
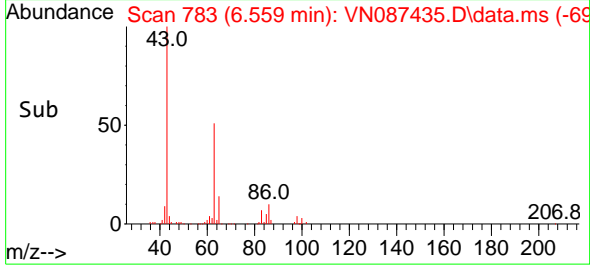
Tgt Ion: 63 Resp: 13906  
 Ion Ratio Lower Upper  
 63 100  
 98 7.5 3.4 10.1  
 100 5.2 2.5 7.4

Manual Integrations

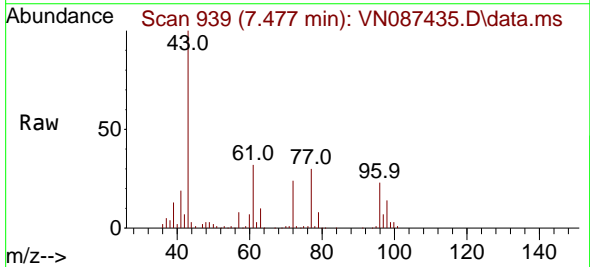
APPROVED

Reviewed By :John Carlone 07/29/2025

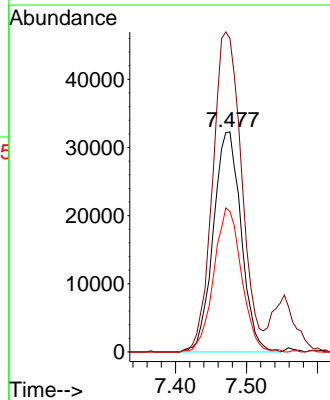
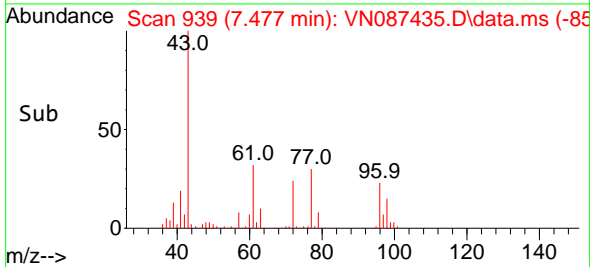
Supervised By :Mahesh Dadoda 07/29/2025

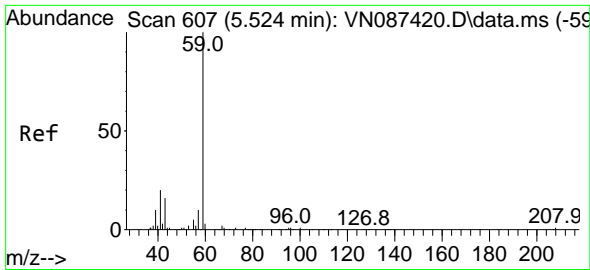


#22  
 cis-1,2-Dichloroethene  
 Concen: 19.596 ug/l  
 RT: 7.477 min Scan# 939  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 96 Resp: 87772  
 Ion Ratio Lower Upper  
 96 100  
 61 151.0 118.8 178.2  
 98 64.7 51.5 77.3





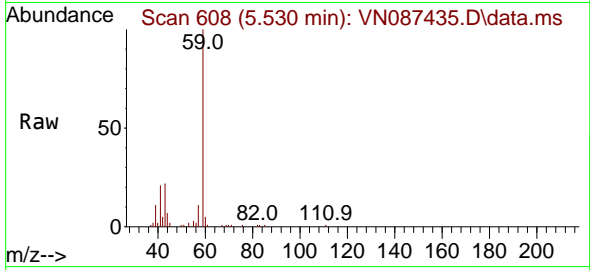
#23  
 tert-Butyl Alcohol  
 Concen: 110.296 ug/l  
 RT: 5.530 min Scan# 607  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



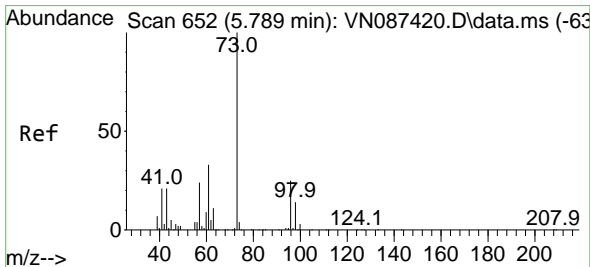
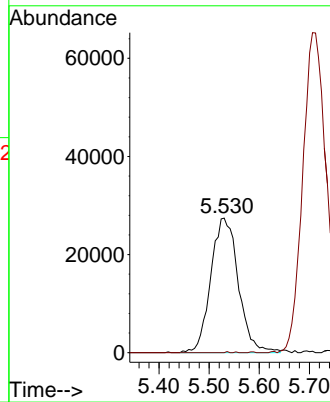
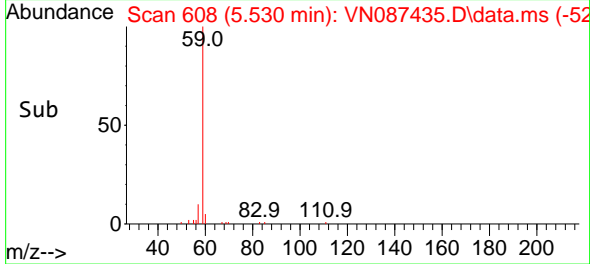
Tgt Ion: 59 Resp: 104848  
 Ion Ratio Lower Upper  
 59 100  
 52 0.1 0.2 0.2

Manual Integrations

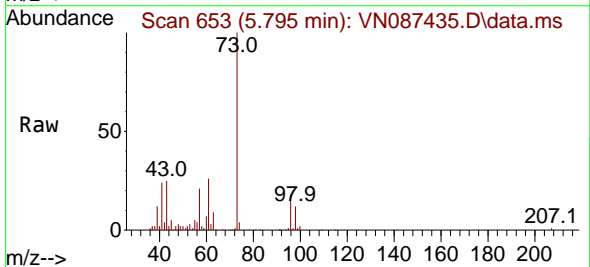
APPROVED

Reviewed By :John Carlone 07/29/2025

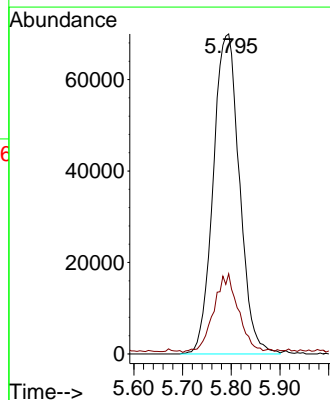
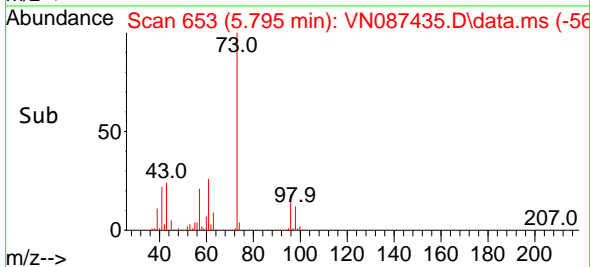
Supervised By :Mahesh Dadoda 07/29/2025

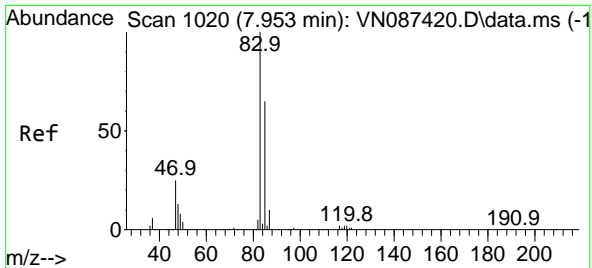


#24  
 Methyl tert-Butyl Ether  
 Concen: 20.314 ug/l  
 RT: 5.795 min Scan# 653  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



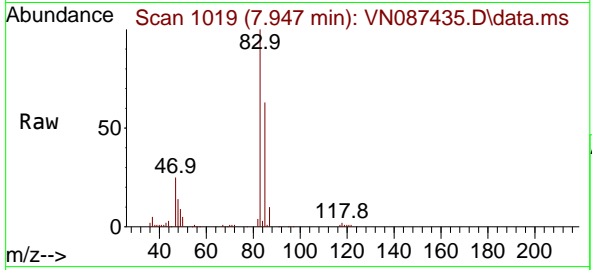
Tgt Ion: 73 Resp: 261439  
 Ion Ratio Lower Upper  
 73 100  
 43 22.2 17.1 25.7





#25  
 Chloroform  
 Concen: 20.137 ug/l  
 RT: 7.947 min Scan# 1019  
 Delta R.T. -0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

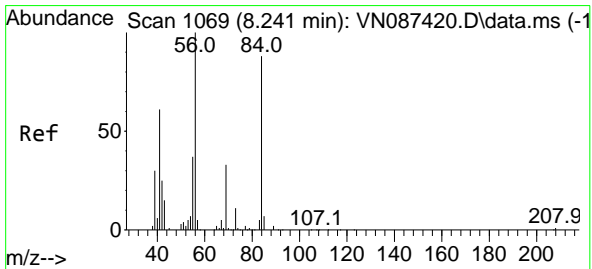
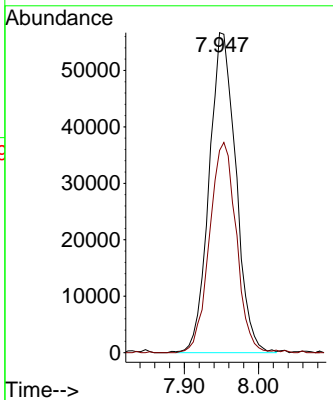
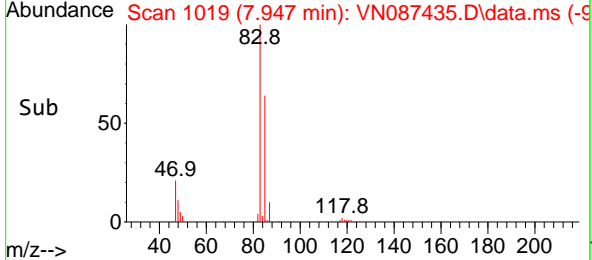
**Instrument :**  
 MSVOA\_N  
**ClientSampleId :**  
 VSTDCCC020EC



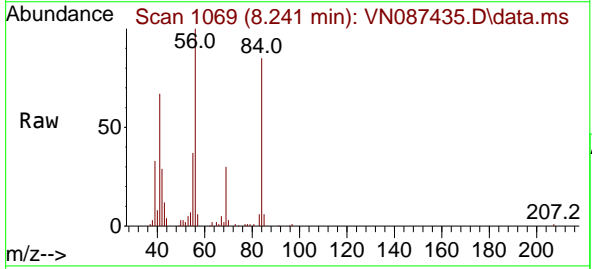
Tgt Ion: 83 Resp: 14169  
 Ion Ratio Lower Upper  
 83 100  
 85 63.4 52.0 78.0

**Manual Integrations**  
**APPROVED**

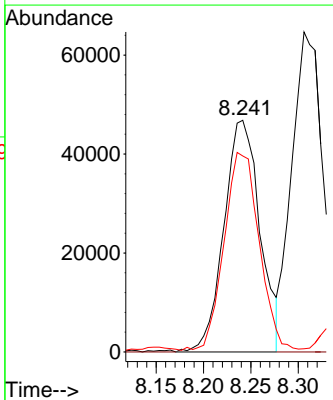
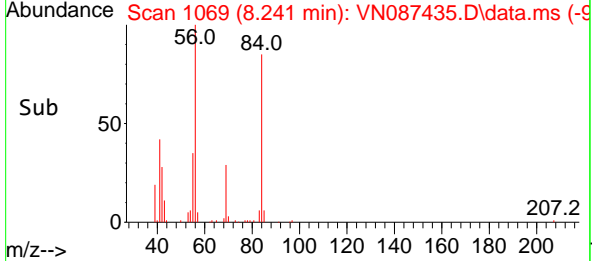
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025



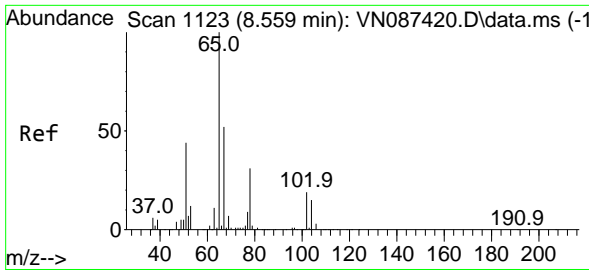
#26  
 Cyclohexane  
 Concen: 19.259 ug/l  
 RT: 8.241 min Scan# 1069  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 56 Resp: 123970  
 Ion Ratio Lower Upper  
 56 100  
 89 0.0 4.7 7.1#  
 84 84.4 67.4 101.2

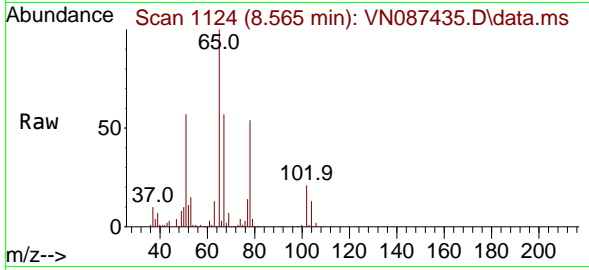






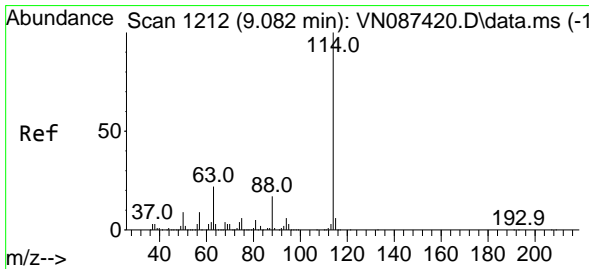
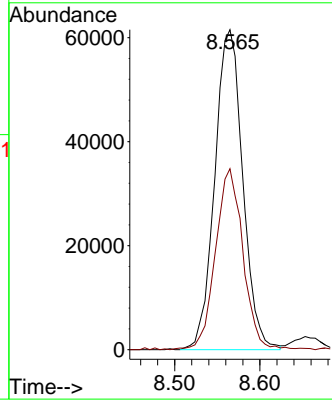
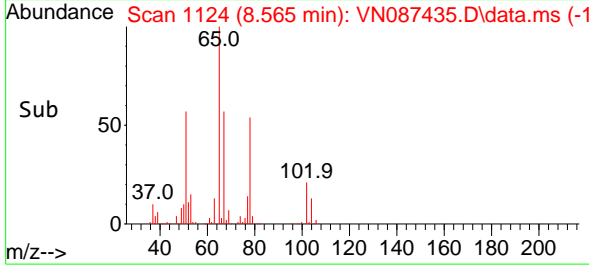
#27  
 1,2-Dichloroethane-d4  
 Concen: 30.343 ug/l  
 RT: 8.565 min Scan# 1124  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC020EC

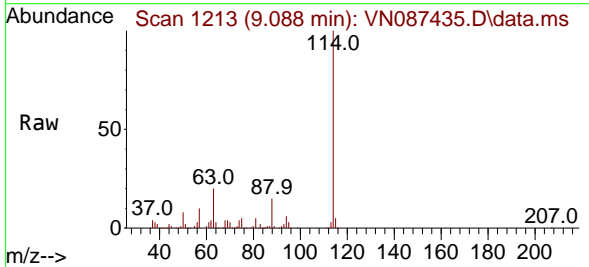


Tgt Ion: 65 Resp: 140690  
 Ion Ratio Lower Upper  
 65 100  
 67 55.4 42.3 63.5

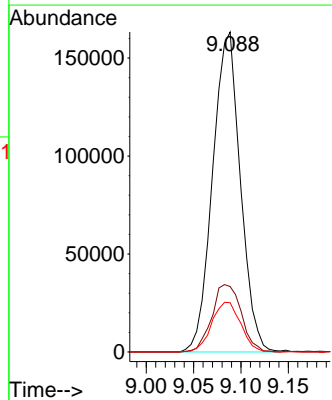
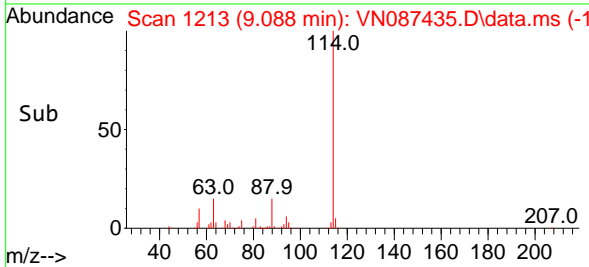
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

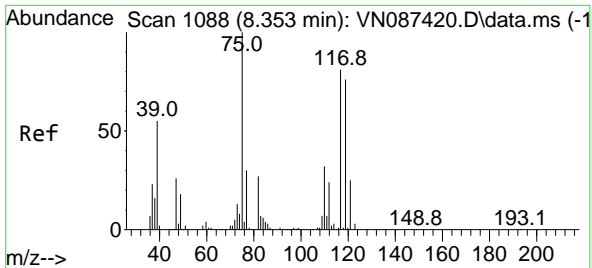


#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 9.088 min Scan# 1213  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion:114 Resp: 332596  
 Ion Ratio Lower Upper  
 114 100  
 63 22.3 17.8 26.6  
 88 16.3 13.0 19.4





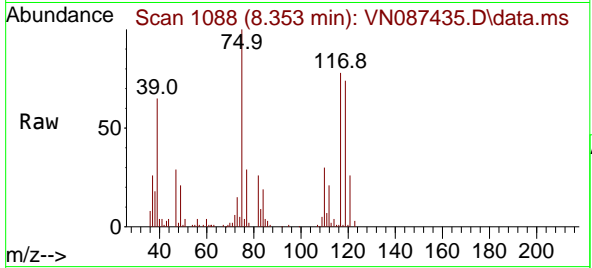
#29  
 1,1-Dichloropropene  
 Concen: 20.473 ug/l  
 RT: 8.353 min Scan# 1088  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

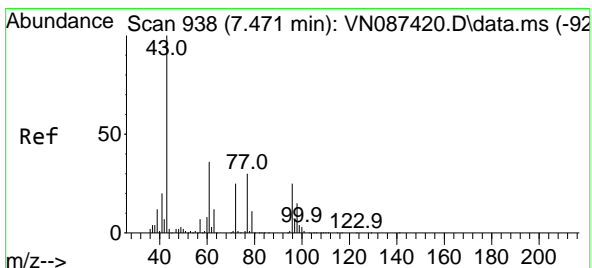
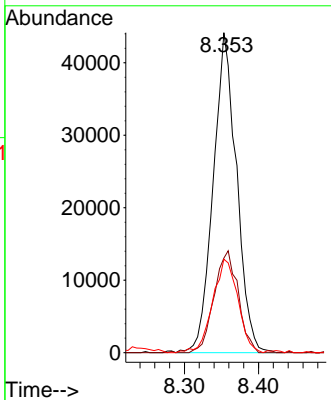
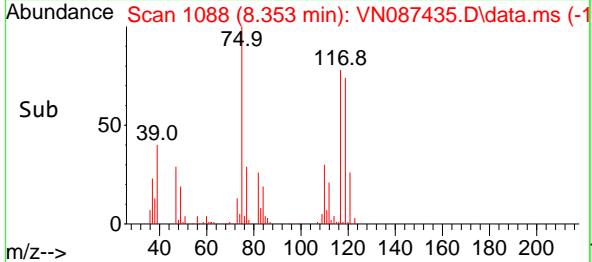
VSTDCCC020EC



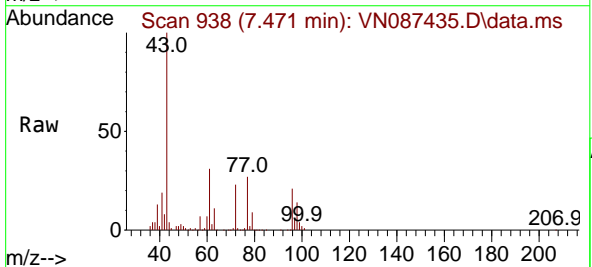
Tgt Ion: 75 Resp: 9666  
 Ion Ratio Lower Upper  
 75 100  
 110 32.8 0.0 69.6  
 77 31.0 0.0 60.2

Manual Integrations  
**APPROVED**

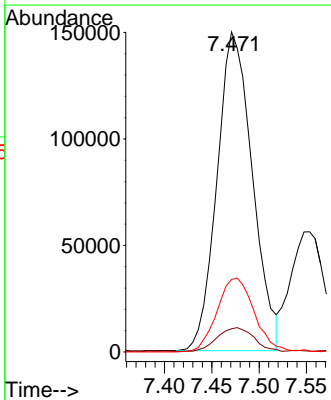
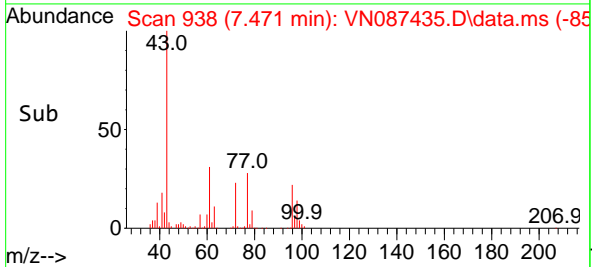
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

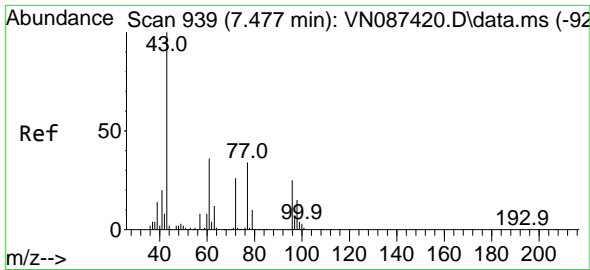


#30  
 2-Butanone  
 Concen: 113.748 ug/l  
 RT: 7.471 min Scan# 938  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 43 Resp: 389110  
 Ion Ratio Lower Upper  
 43 100  
 57 7.7 6.0 9.0  
 72 24.4 20.3 30.5





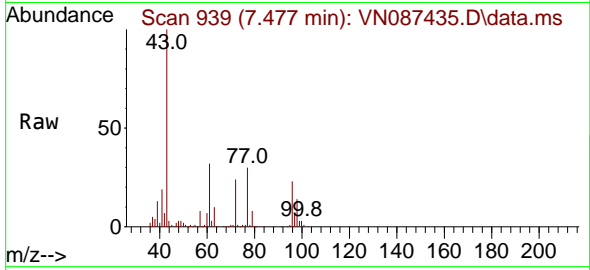
#31  
 2,2-Dichloropropane  
 Concen: 20.155 ug/l  
 RT: 7.477 min Scan# 911  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



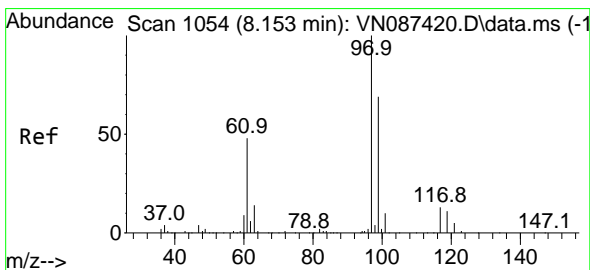
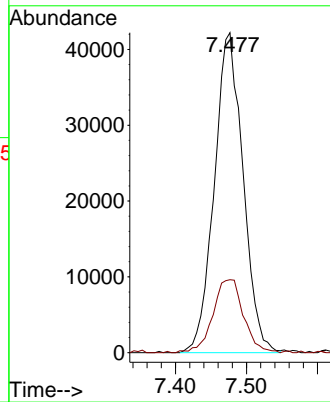
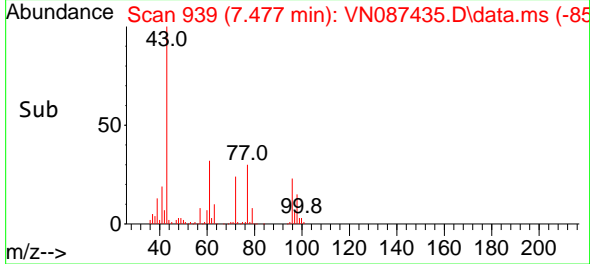
Tgt Ion: 77 Resp: 118579  
 Ion Ratio Lower Upper  
 77 100  
 97 24.1 19.1 28.7

Manual Integrations

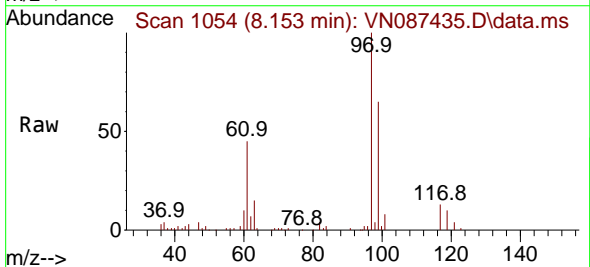
APPROVED

Reviewed By :John Carlone 07/29/2025

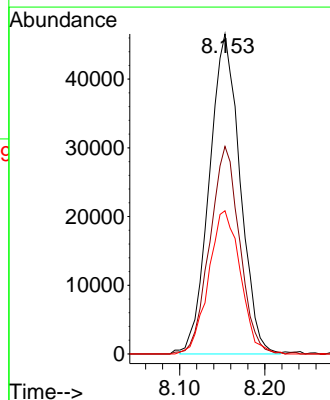
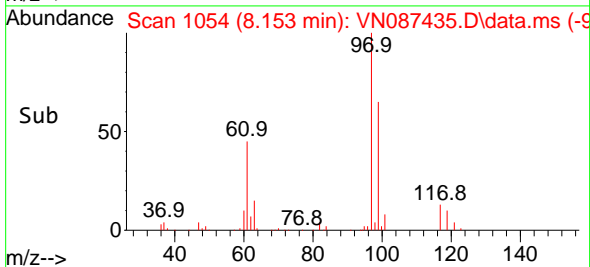
Supervised By :Mahesh Dadoda 07/29/2025

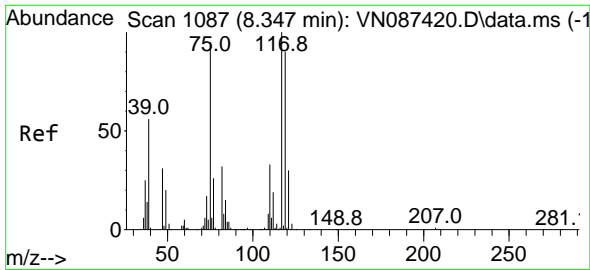


#32  
 1,1,1-Trichloroethane  
 Concen: 20.549 ug/l  
 RT: 8.153 min Scan# 1054  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



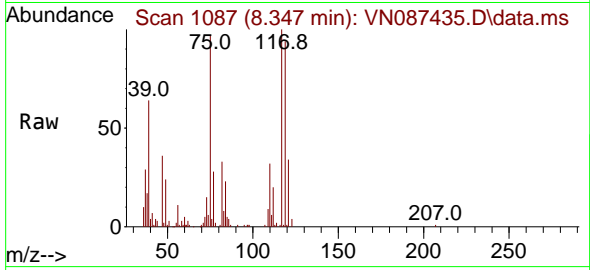
Tgt Ion: 97 Resp: 116623  
 Ion Ratio Lower Upper  
 97 100  
 99 62.8 52.1 78.1  
 61 46.3 36.3 54.5





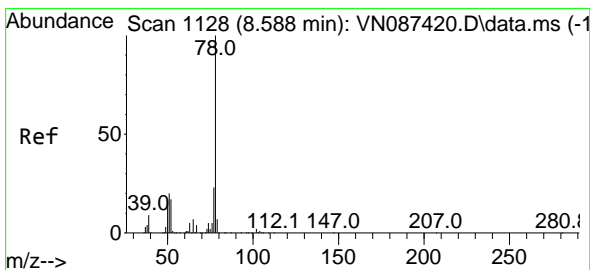
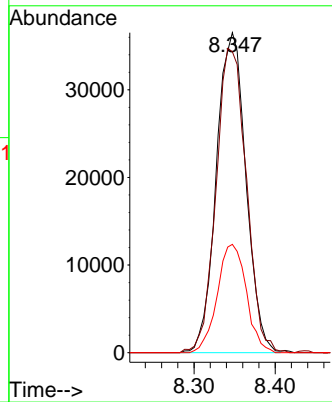
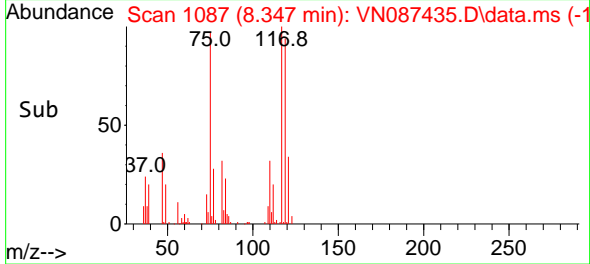
#33  
 Carbon Tetrachloride  
 Concen: 19.753 ug/l  
 RT: 8.347 min Scan# 1087  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC020EC

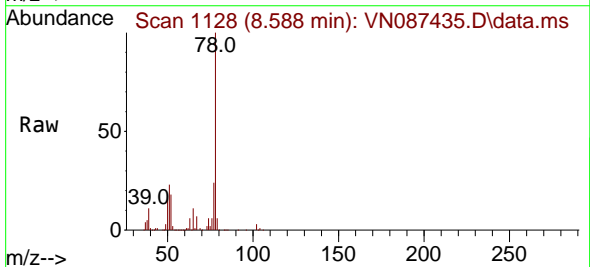


Tgt Ion: 117 Resp: 92438  
 Ion Ratio Lower Upper  
 117 100  
 119 94.0 71.9 107.9  
 121 33.9 24.4 36.6

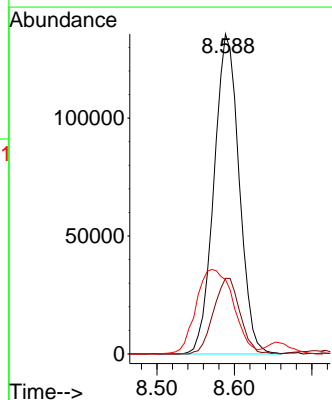
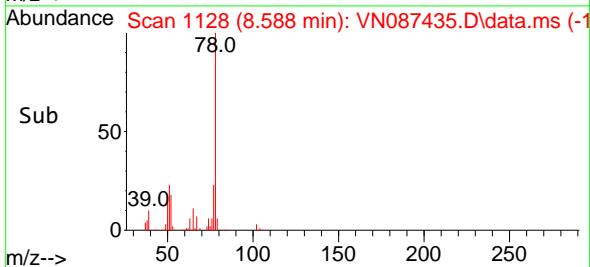
Manual Integrations  
**APPROVED**  
 Reviewed By : John Carlone 07/29/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

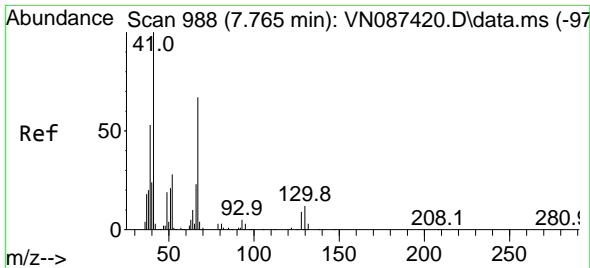


#34  
 Benzene  
 Concen: 19.813 ug/l  
 RT: 8.588 min Scan# 1128  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 78 Resp: 305967  
 Ion Ratio Lower Upper  
 78 100  
 77 23.7 18.6 28.0  
 51 21.9 16.3 24.5





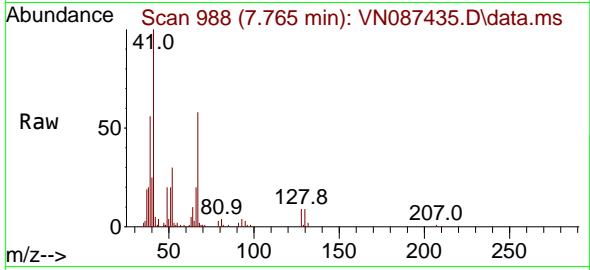
#35  
 Methacrylonitrile  
 Concen: 21.164 ug/l  
 RT: 7.765 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



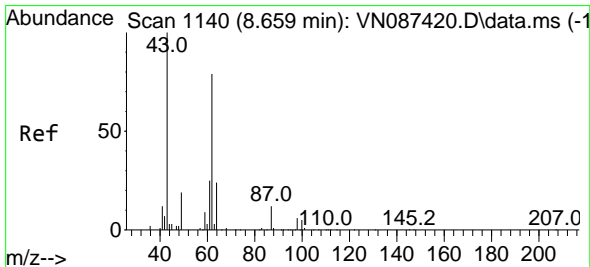
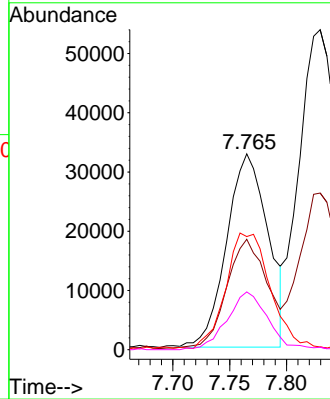
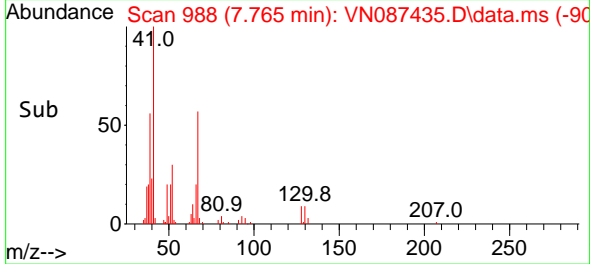
Tgt Ion: 41 Resp: 8293  
 Ion Ratio Lower Upper  
 41 100  
 39 56.1 26.7 80.1  
 67 57.6 33.5 100.4  
 52 30.1 14.1 42.3

Manual Integrations

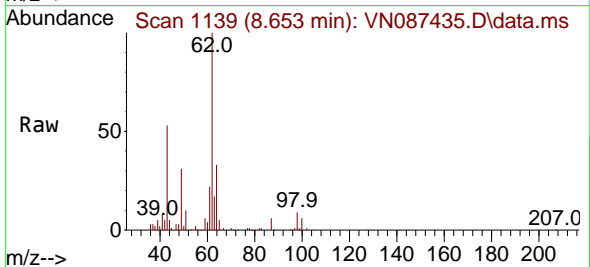
APPROVED

Reviewed By :John Carlone 07/29/2025

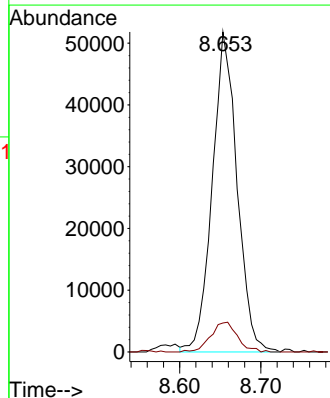
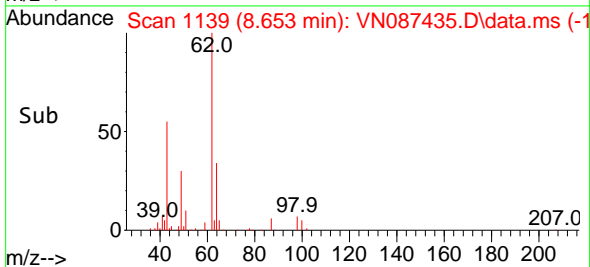
Supervised By :Mahesh Dadoda 07/29/2025

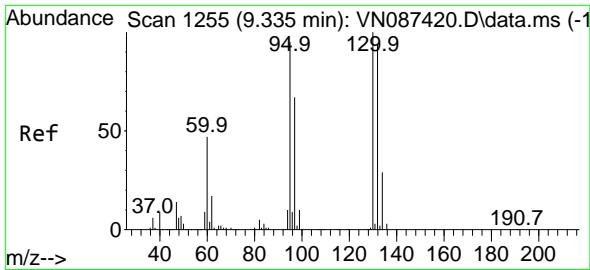


#36  
 1,2-Dichloroethane  
 Concen: 21.388 ug/l  
 RT: 8.653 min Scan# 1139  
 Delta R.T. -0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 62 Resp: 109920  
 Ion Ratio Lower Upper  
 62 100  
 98 9.7 0.2 0.2#





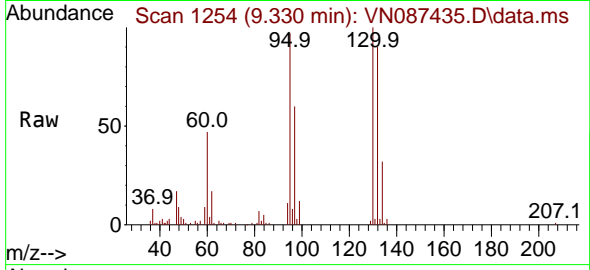
#37  
 Trichloroethene  
 Concen: 19.654 ug/l  
 RT: 9.330 min Scan# 1254  
 Delta R.T. -0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



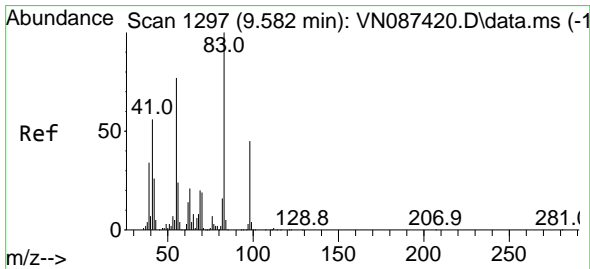
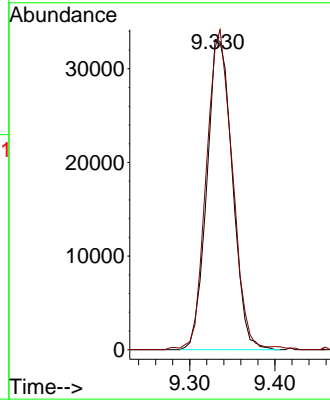
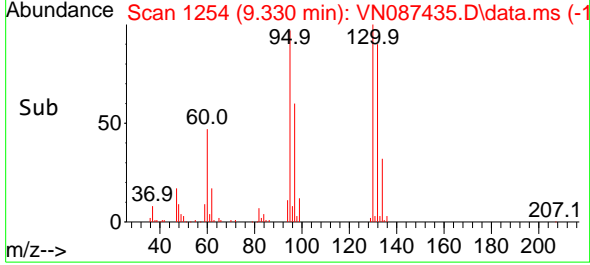
Tgt Ion:130 Resp: 6928  
 Ion Ratio Lower Upper  
 130 100  
 95 96.8 76.4 114.6

Manual Integrations

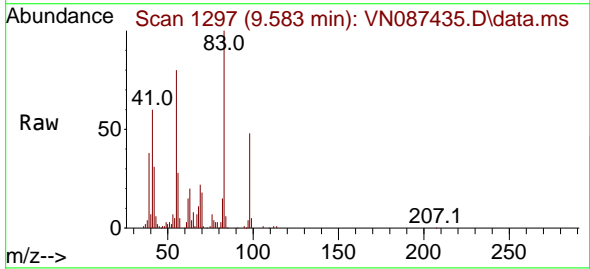
APPROVED

Reviewed By :John Carlone 07/29/2025

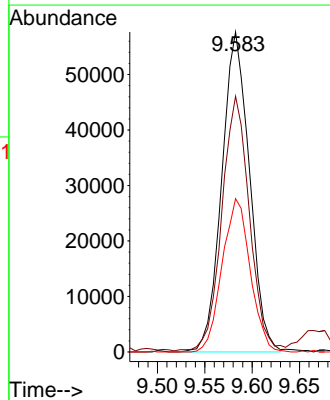
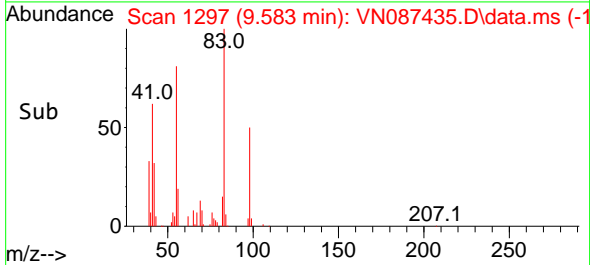
Supervised By :Mahesh Dadoda 07/29/2025

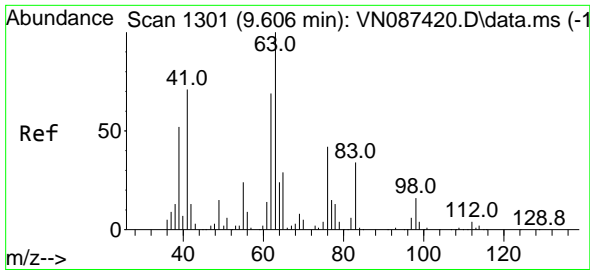


#38  
 Methylcyclohexane  
 Concen: 19.217 ug/l  
 RT: 9.583 min Scan# 1297  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



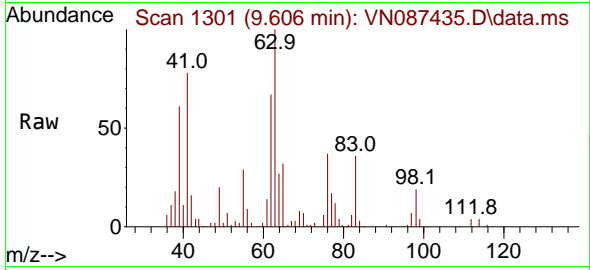
Tgt Ion: 83 Resp: 117022  
 Ion Ratio Lower Upper  
 83 100  
 55 78.6 39.4 118.1  
 98 48.6 23.6 70.8





#39  
 1,2-Dichloropropane  
 Concen: 20.532 ug/l  
 RT: 9.606 min Scan# 1301  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

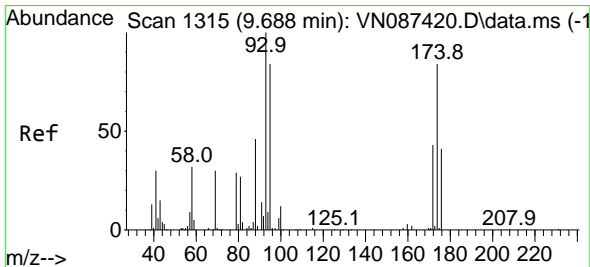
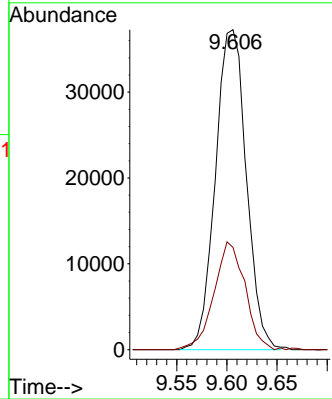
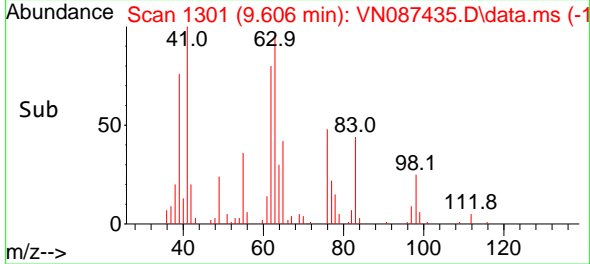
Instrument : MSVOA\_N  
 ClientSampleId : VSTDC020EC



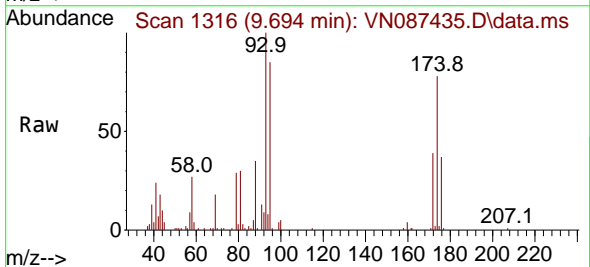
Tgt Ion: 63 Resp: 79820  
 Ion Ratio Lower Upper  
 63 100  
 65 31.4 23.1 34.7

Manual Integrations  
**APPROVED**

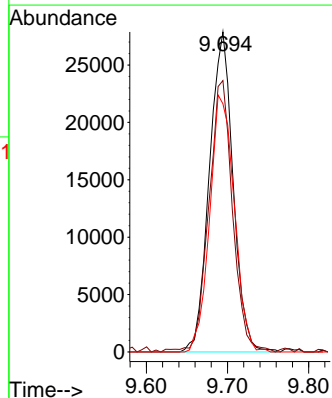
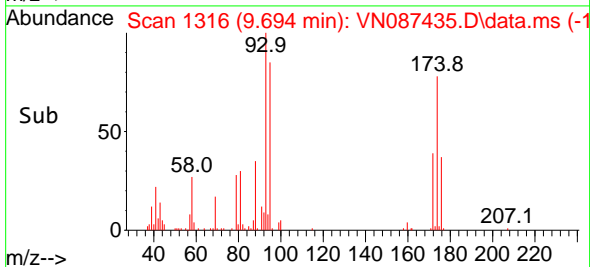
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

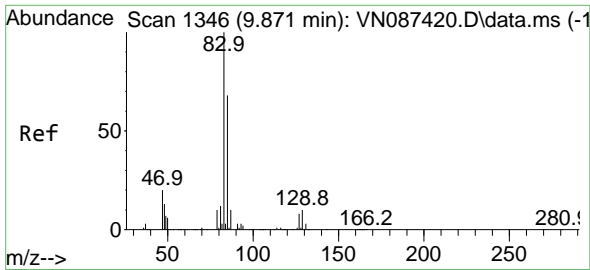


#40  
 Dibromomethane  
 Concen: 20.523 ug/l  
 RT: 9.694 min Scan# 1316  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



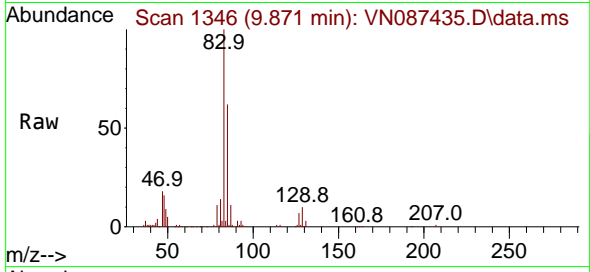
Tgt Ion: 93 Resp: 56603  
 Ion Ratio Lower Upper  
 93 100  
 95 84.0 0.0 164.8  
 174 82.9 0.0 174.4





#41  
 Bromodichloromethane  
 Concen: 20.566 ug/l  
 RT: 9.871 min Scan# 111  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

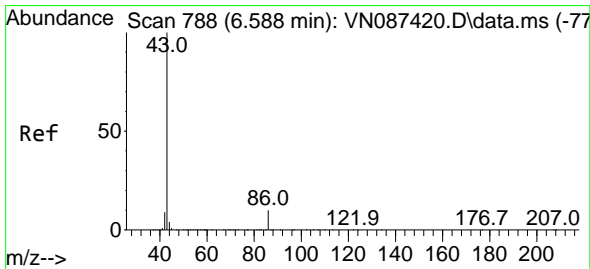
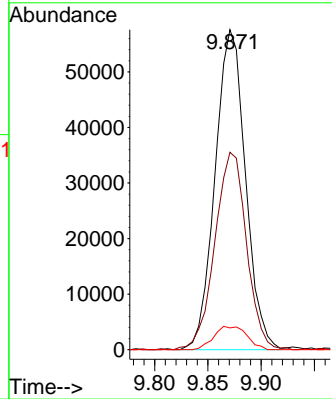
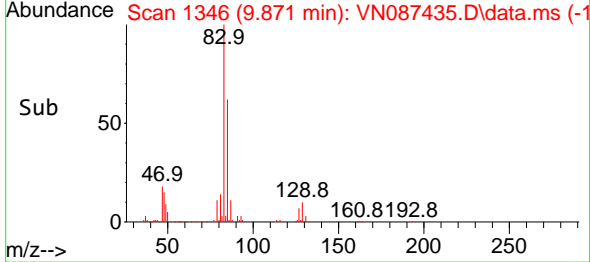
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC020EC



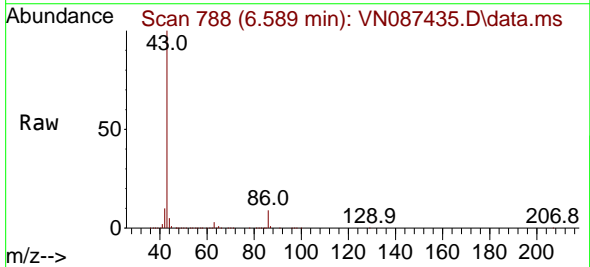
Tgt Ion: 83 Resp: 11415  
 Ion Ratio Lower Upper  
 83 100  
 85 61.2 54.5 81.7  
 127 6.8 6.6 10.0

Manual Integrations  
 APPROVED

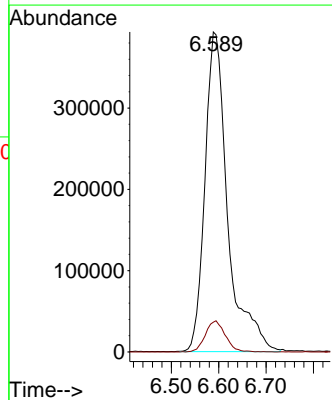
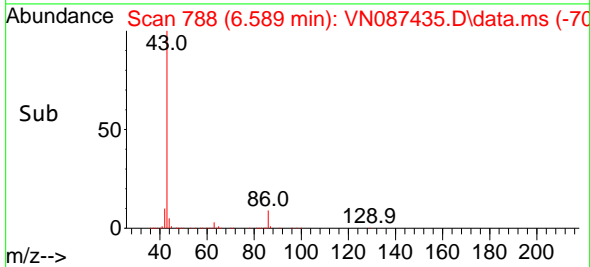
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025



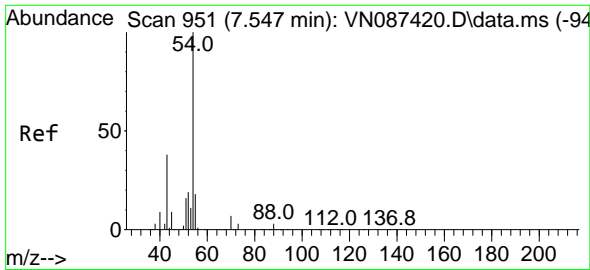
#42  
 Vinyl Acetate  
 Concen: 114.201 ug/l  
 RT: 6.589 min Scan# 788  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 43 Resp: 1314693  
 Ion Ratio Lower Upper  
 43 100  
 86 8.4 7.9 11.9

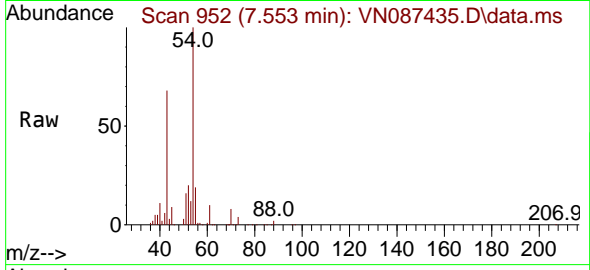






#43  
 Ethyl Acetate  
 Concen: 21.424 ug/l  
 RT: 7.553 min Scan# 911  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

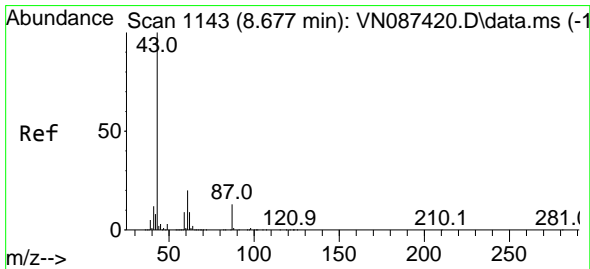
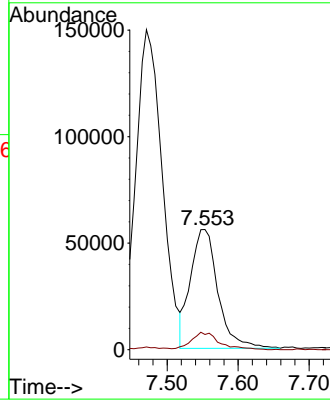
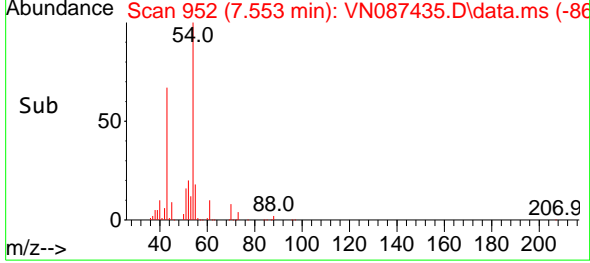
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC020EC



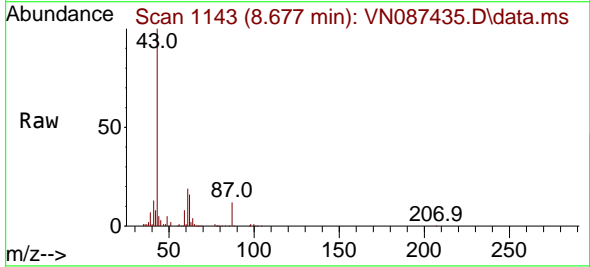
Tgt Ion: 43 Resp: 15023  
 Ion Ratio Lower Upper  
 43 100  
 45 13.5 1.6 2.4

Manual Integrations  
**APPROVED**

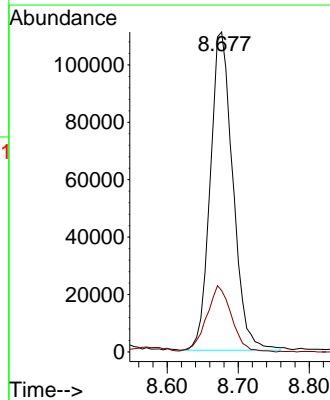
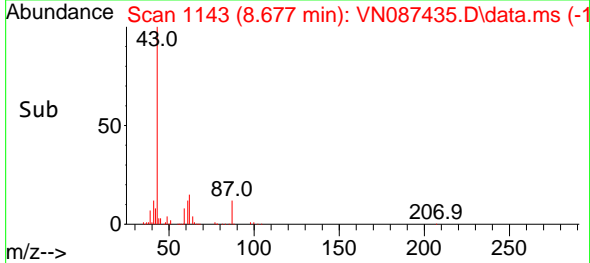
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

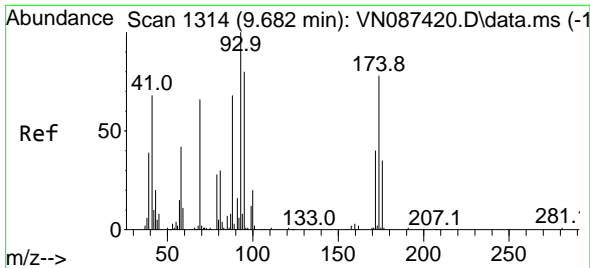


#44  
 Isopropyl Acetate  
 Concen: 21.858 ug/l  
 RT: 8.677 min Scan# 1143  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



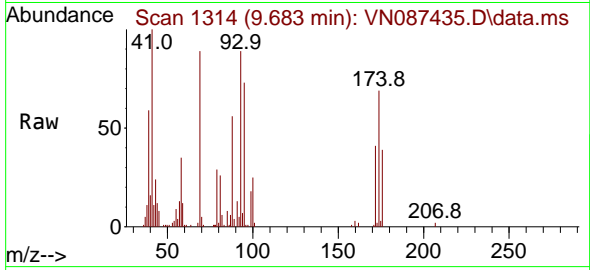
Tgt Ion: 43 Resp: 244882  
 Ion Ratio Lower Upper  
 43 100  
 61 23.1 20.0 30.0





#45  
 1,4-Dioxane  
 Concen: 419.795 ug/l  
 RT: 9.683 min Scan# 1314  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

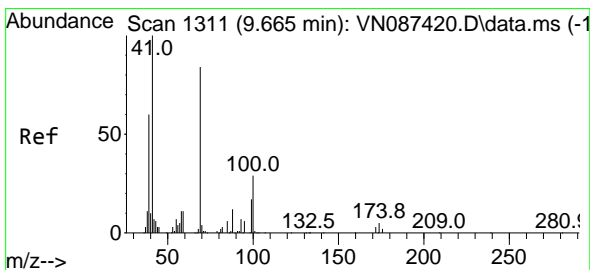
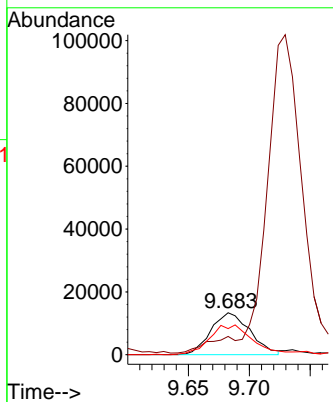
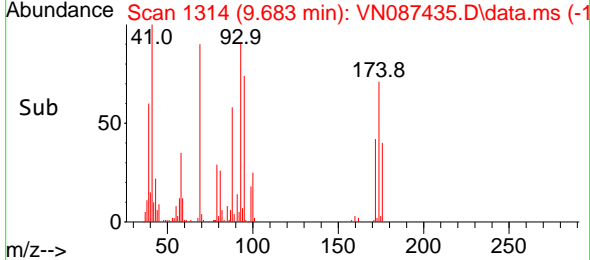
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC020EC



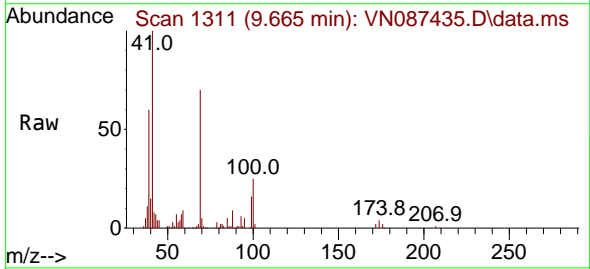
Tgt Ion: 88 Resp: 29840  
 Ion Ratio Lower Upper  
 88 100  
 43 28.9 22.7 34.1  
 58 76.4 56.2 84.4

Manual Integrations  
**APPROVED**

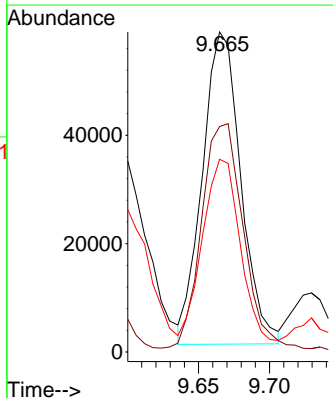
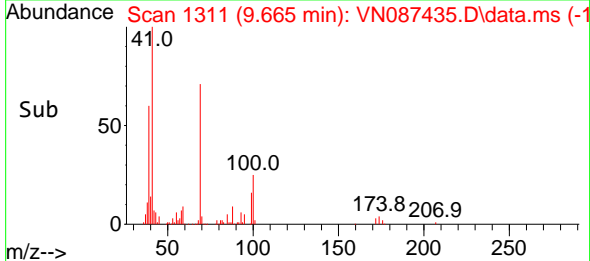
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

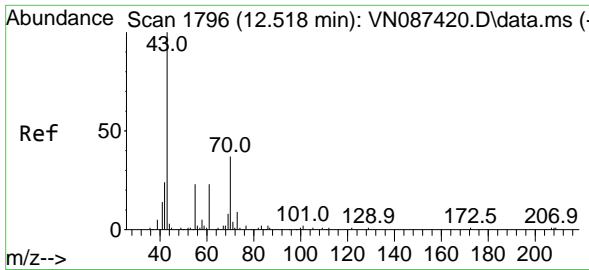


#46  
 Methyl methacrylate  
 Concen: 20.824 ug/l  
 RT: 9.665 min Scan# 1311  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 41 Resp: 108628  
 Ion Ratio Lower Upper  
 41 100  
 69 72.3 41.9 125.7  
 39 60.4 31.1 93.5





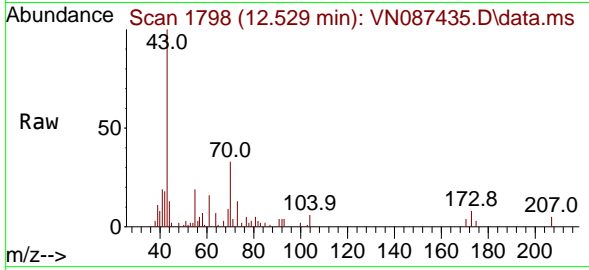
#47  
 n-amy1 Acetate  
 Concen: 27.194 ug/l m  
 RT: 12.529 min Scan# 1  
 Delta R.T. 0.012 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



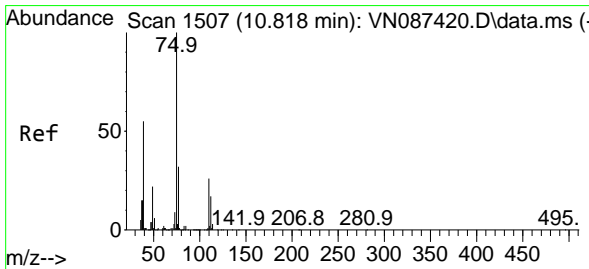
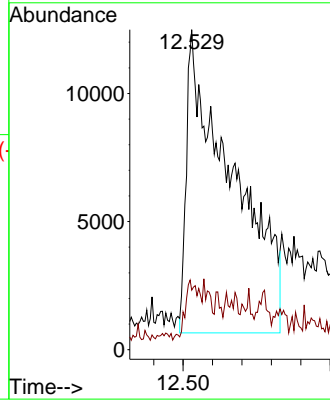
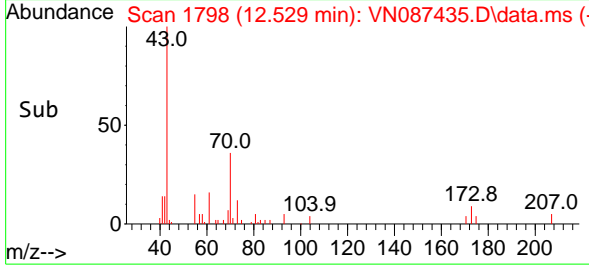
Tgt Ion: 43 Resp: 12560  
 Ion Ratio Lower Upper  
 43 100  
 55 0.0 15.0 22.6

Manual Integrations

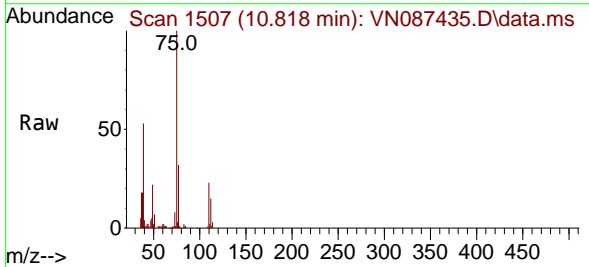
APPROVED

Reviewed By :John Carlone 07/29/2025

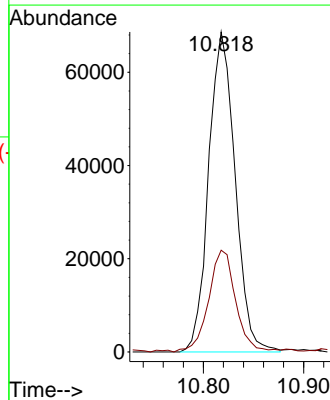
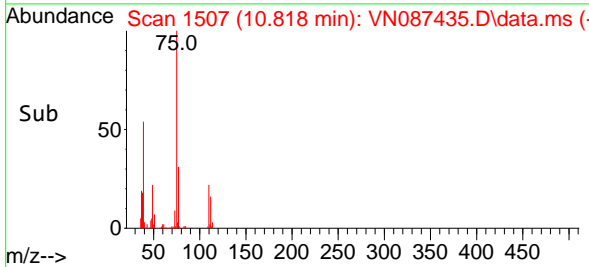
Supervised By :Mahesh Dadoda 07/29/2025

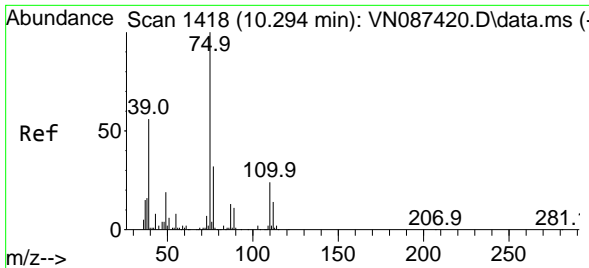


#48  
 t-1,3-Dichloropropene  
 Concen: 20.143 ug/l  
 RT: 10.818 min Scan# 1507  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 75 Resp: 125872  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 25.4 38.2





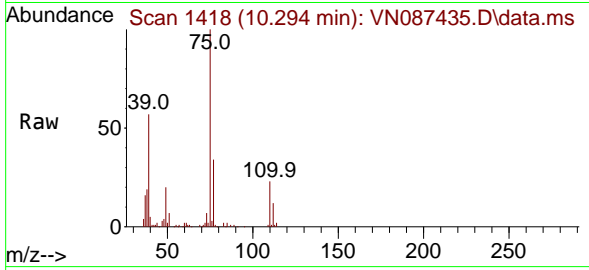
#49  
 cis-1,3-Dichloropropene  
 Concen: 20.329 ug/l  
 RT: 10.294 min Scan# 1418  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



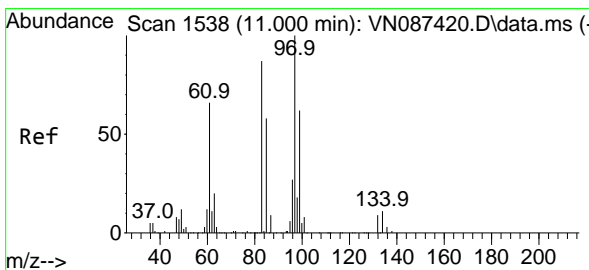
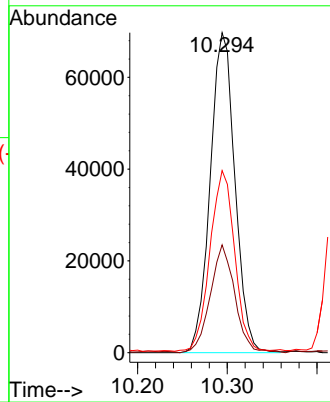
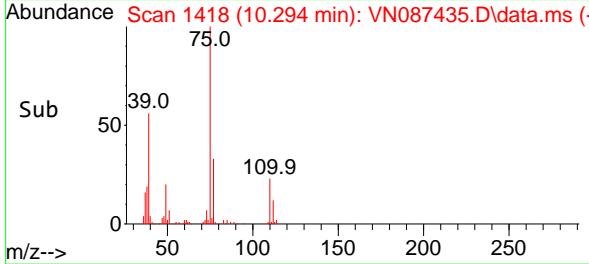
Tgt Ion: 75 Resp: 133410  
 Ion Ratio Lower Upper  
 75 100  
 77 33.7 26.1 39.1  
 39 56.2 45.0 67.4

Manual Integrations

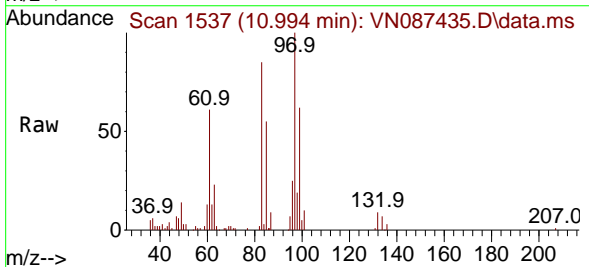
APPROVED

Reviewed By :John Carlone 07/29/2025

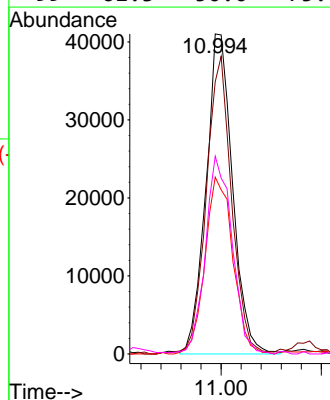
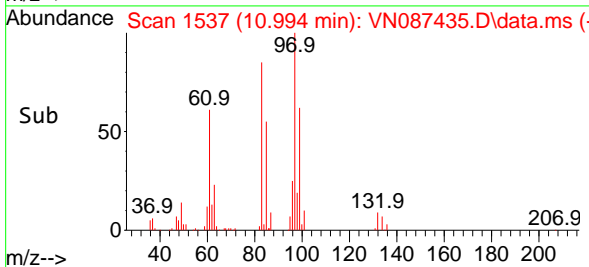
Supervised By :Mahesh Dadoda 07/29/2025

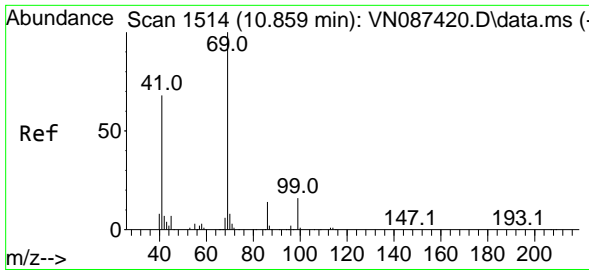


#50  
 1,1,2-Trichloroethane  
 Concen: 20.688 ug/l  
 RT: 10.994 min Scan# 1537  
 Delta R.T. -0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 97 Resp: 75949  
 Ion Ratio Lower Upper  
 97 100  
 83 84.5 70.0 105.0  
 85 55.0 46.2 69.2  
 99 61.3 50.0 75.0





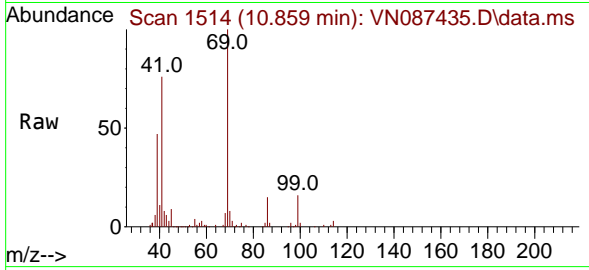
#51  
 Ethyl methacrylate  
 Concen: 19.901 ug/l  
 RT: 10.859 min Scan# 1514  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



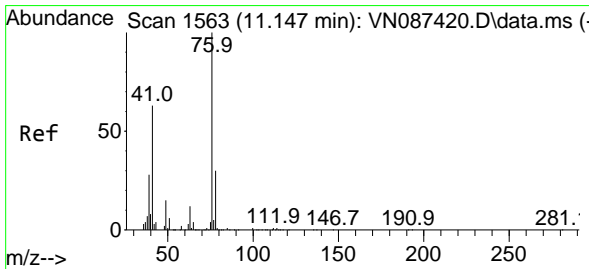
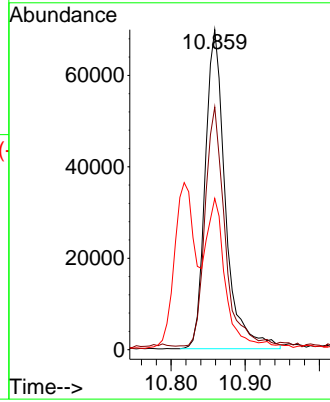
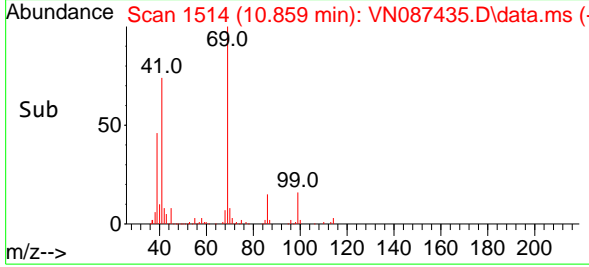
Tgt Ion: 69 Resp: 132308  
 Ion Ratio Lower Upper  
 69 100  
 41 74.9 33.9 101.6  
 39 45.8 20.3 60.9

Manual Integrations

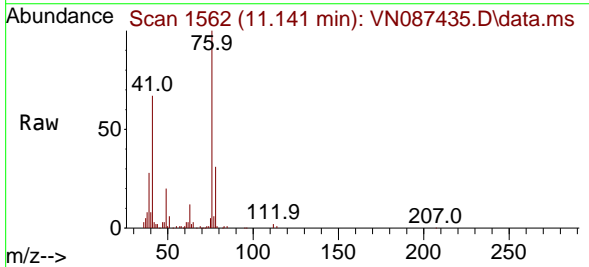
APPROVED

Reviewed By :John Carlone 07/29/2025

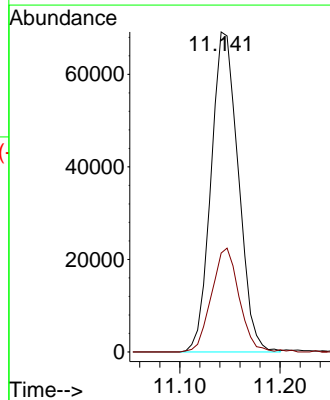
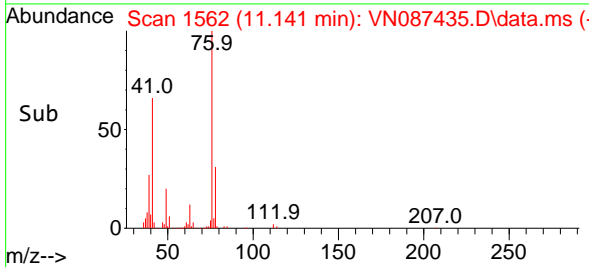
Supervised By :Mahesh Dadoda 07/29/2025

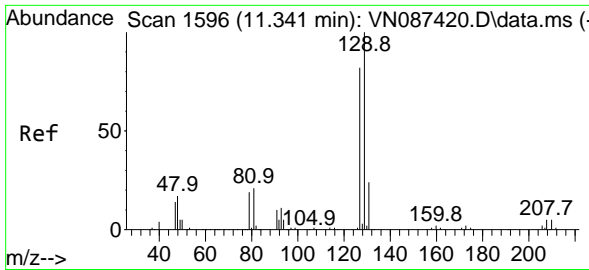


#52  
 1,3-Dichloropropane  
 Concen: 20.647 ug/l  
 RT: 11.141 min Scan# 1562  
 Delta R.T. -0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 76 Resp: 131001  
 Ion Ratio Lower Upper  
 76 100  
 78 32.7 0.0 67.4





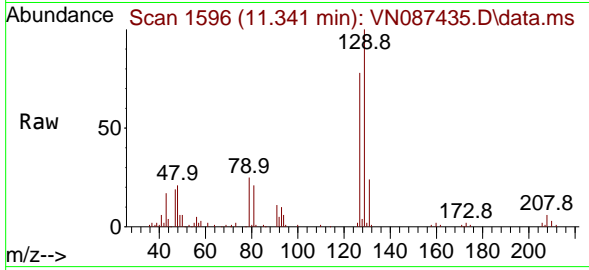
#53  
 Dibromochloromethane  
 Concen: 20.422 ug/l  
 RT: 11.341 min Scan# 1596  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



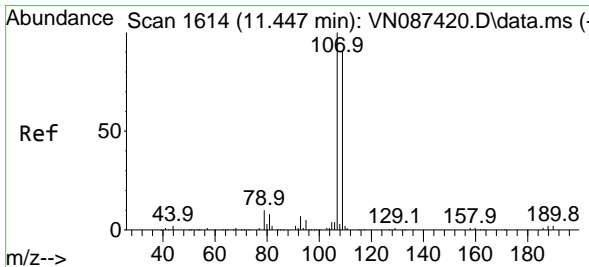
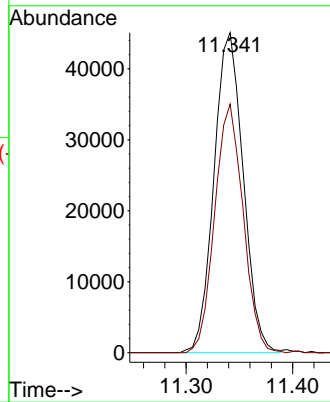
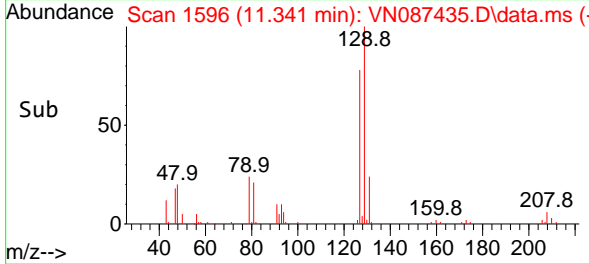
Tgt Ion:129 Resp: 85994  
 Ion Ratio Lower Upper  
 129 100  
 127 75.4 39.5 118.3

Manual Integrations

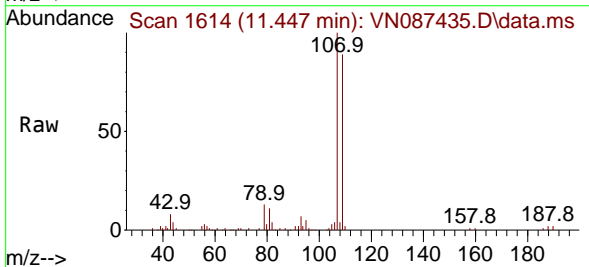
APPROVED

Reviewed By :John Carlone 07/29/2025

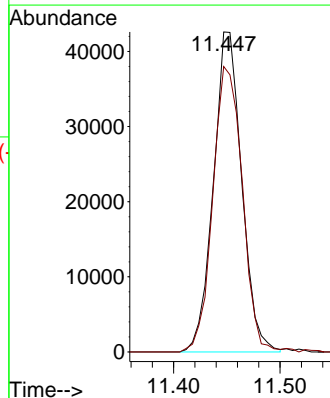
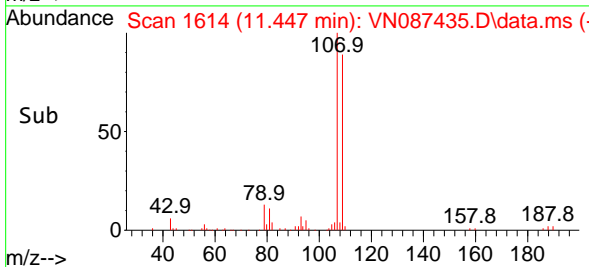
Supervised By :Mahesh Dadoda 07/29/2025

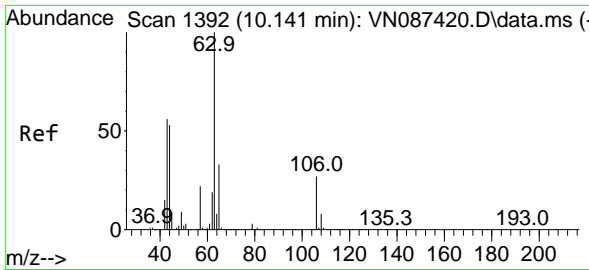


#54  
 1,2-Dibromoethane  
 Concen: 20.340 ug/l  
 RT: 11.447 min Scan# 1614  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



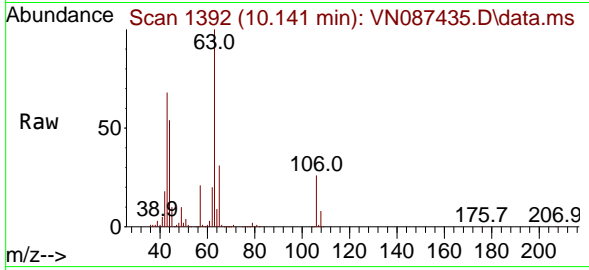
Tgt Ion:107 Resp: 78570  
 Ion Ratio Lower Upper  
 107 100  
 109 92.8 73.9 110.9





#55  
 2-Chloroethyl vinyl ether  
 Concen: 134.460 ug/l  
 RT: 10.141 min Scan# 1392  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

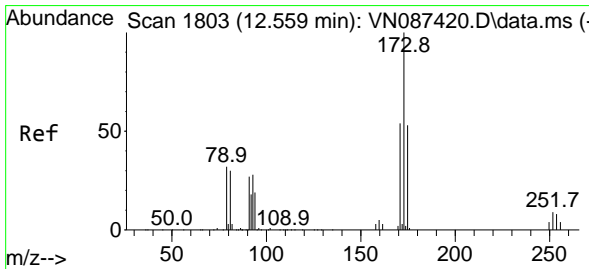
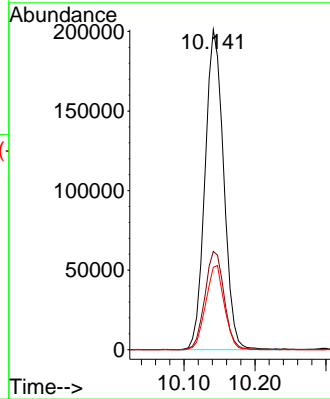
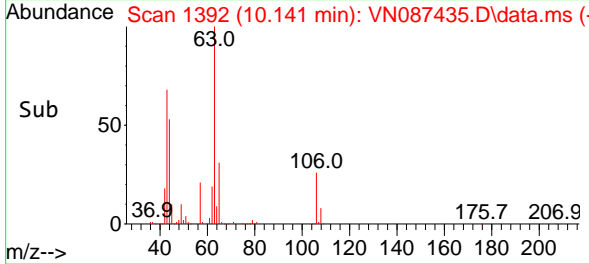
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC020EC



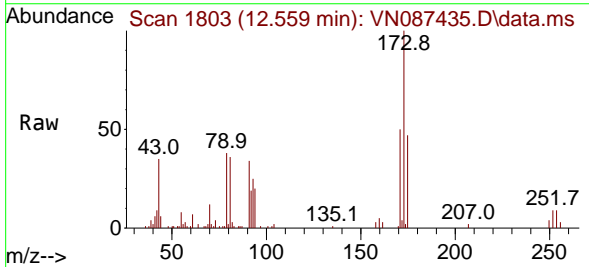
Tgt Ion: 63 Resp: 367549  
 Ion Ratio Lower Upper  
 63 100  
 65 31.6 26.2 39.2  
 106 26.3 21.3 31.9

Manual Integrations  
 APPROVED

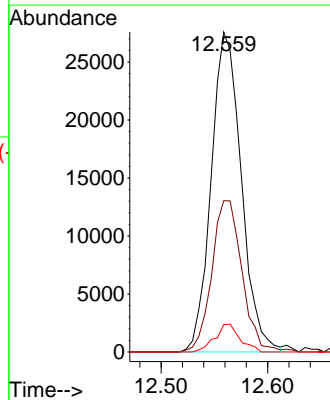
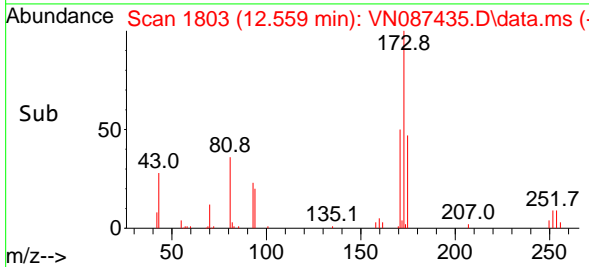
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

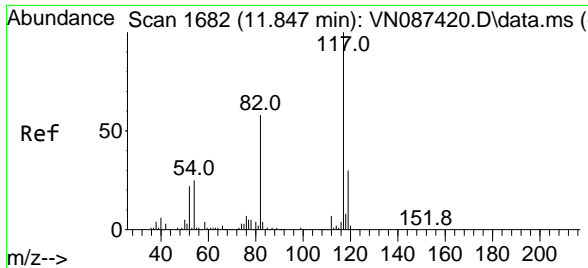


#56  
 Bromoform  
 Concen: 18.310 ug/l  
 RT: 12.559 min Scan# 1803  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



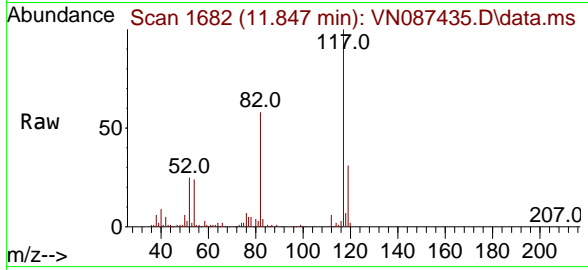
Tgt Ion:173 Resp: 54106  
 Ion Ratio Lower Upper  
 173 100  
 175 46.9 38.4 57.6  
 254 7.2 6.4 9.6





#57  
 Chlorobenzene-d5  
 Concen: 30.000 ug/l  
 RT: 11.847 min Scan# 1682  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

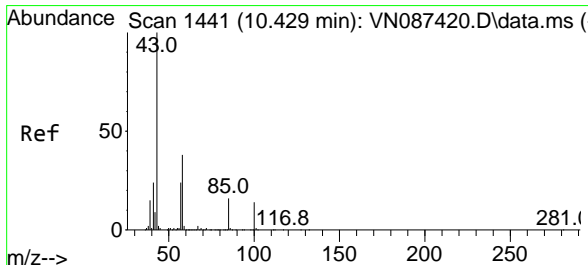
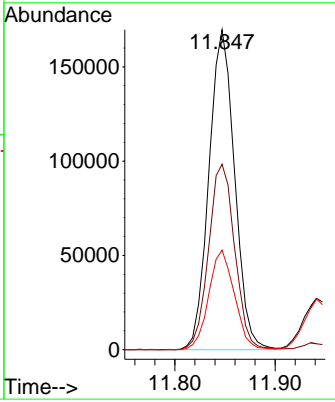
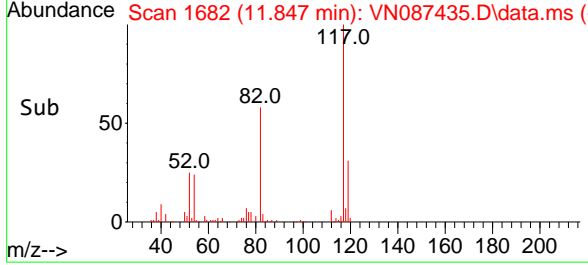
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC020EC



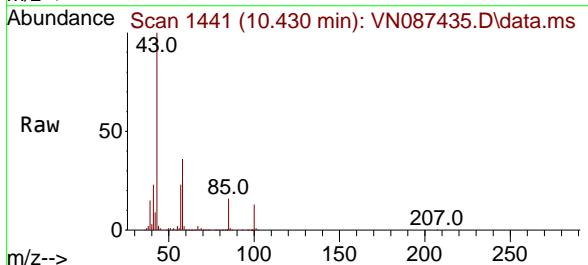
Tgt Ion:117 Resp: 302118

Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.2	69.4
119	31.2	25.7	38.5

Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

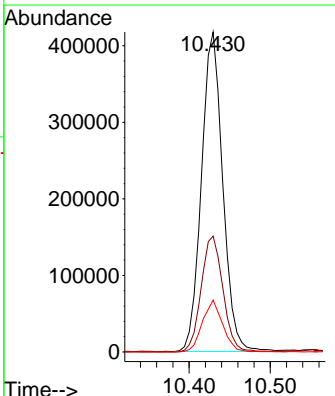
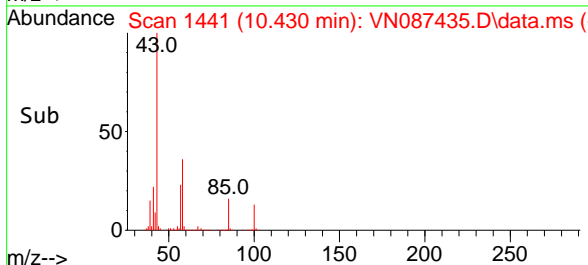


#58  
 4-Methyl-2-Pentanone  
 Concen: 111.545 ug/l  
 RT: 10.430 min Scan# 1441  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

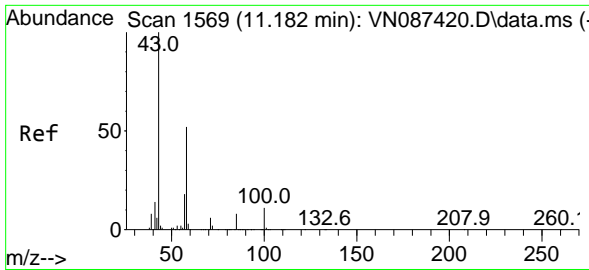


Tgt Ion: 43 Resp: 759073

Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.9	44.9
85	15.5	12.8	19.2







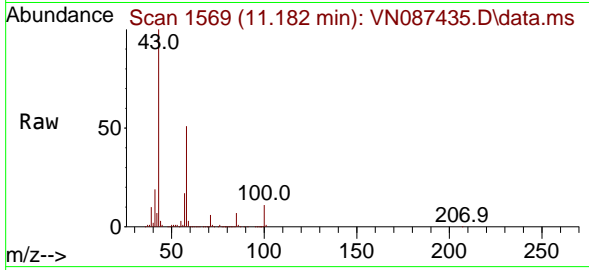
#59  
 2-Hexanone  
 Concen: 104.581 ug/l  
 RT: 11.182 min Scan# 111  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



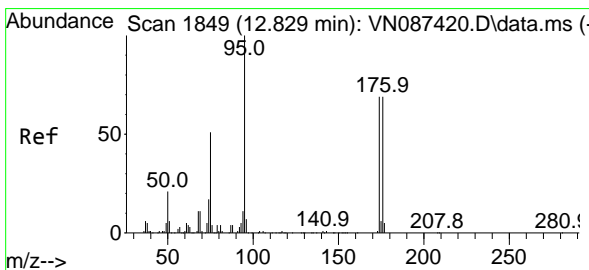
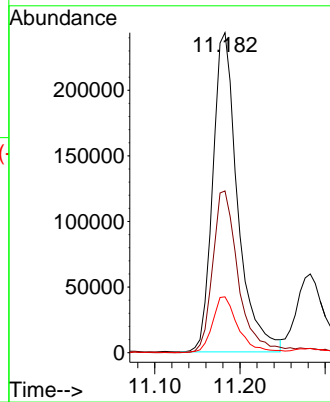
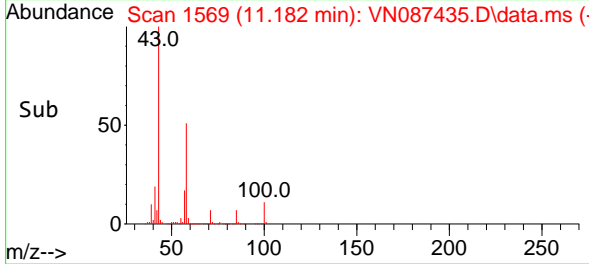
Tgt Ion: 43 Resp: 49320  
 Ion Ratio Lower Upper  
 43 100  
 58 52.4 42.2 63.2  
 57 18.2 14.3 21.5

Manual Integrations

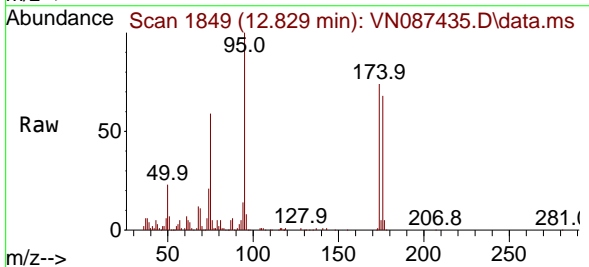
APPROVED

Reviewed By :John Carlone 07/29/2025

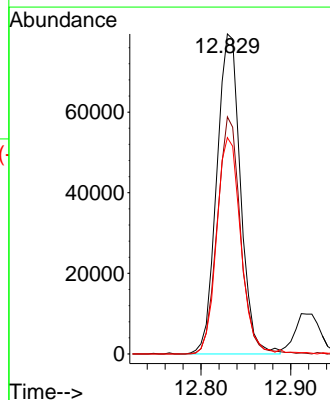
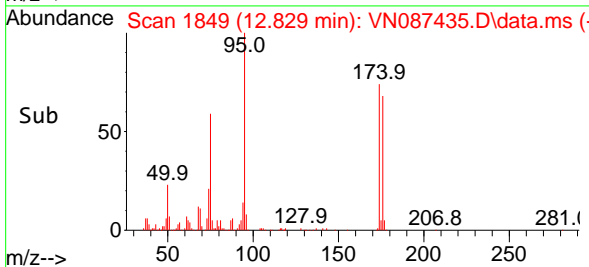
Supervised By :Mahesh Dadoda 07/29/2025

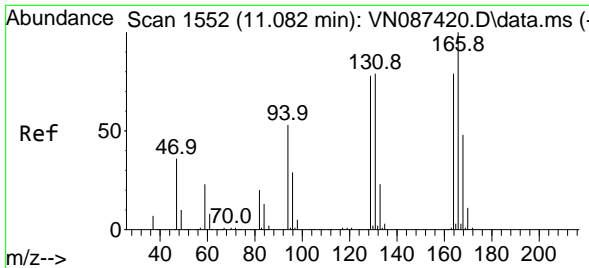


#60  
 4-Bromofluorobenzene  
 Concen: 29.436 ug/l  
 RT: 12.829 min Scan# 1849  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



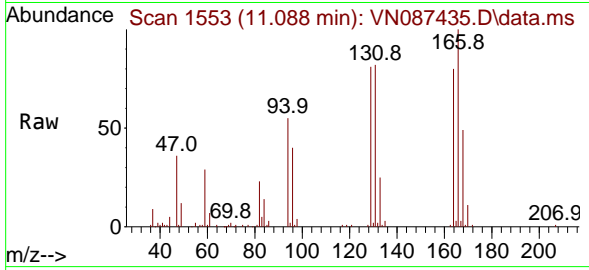
Tgt Ion: 95 Resp: 146039  
 Ion Ratio Lower Upper  
 95 100  
 174 72.3 57.8 86.8  
 176 68.2 54.9 82.3





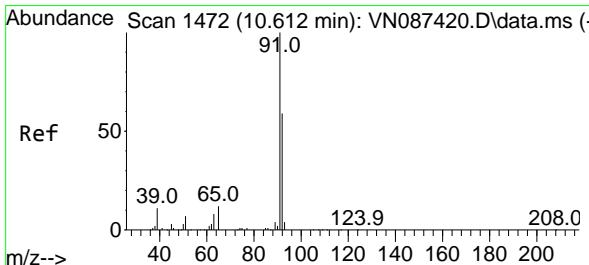
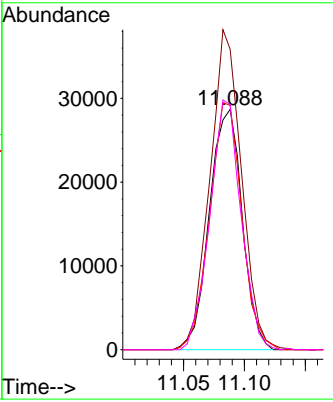
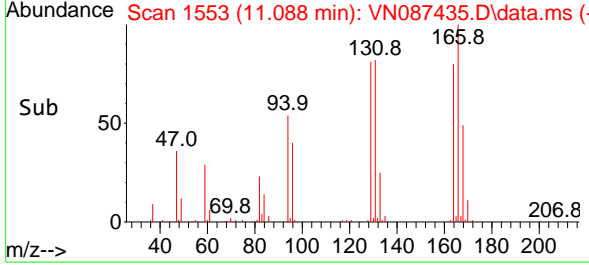
#61  
 Tetrachloroethene  
 Concen: 18.752 ug/l  
 RT: 11.088 min Scan# 1552  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC020EC

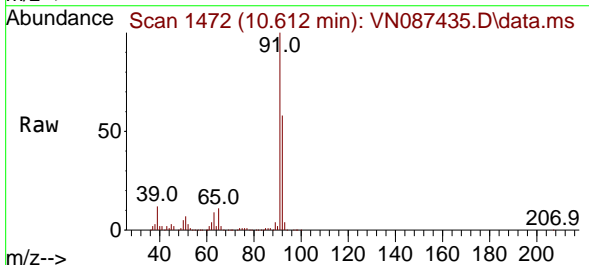


Tgt Ion:164 Resp: 53788  
 Ion Ratio Lower Upper  
 164 100  
 166 125.0 101.8 152.8  
 129 101.6 79.8 119.8  
 131 102.0 80.1 120.1

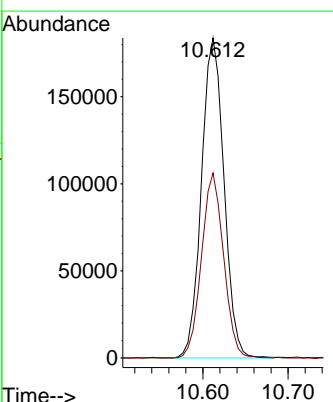
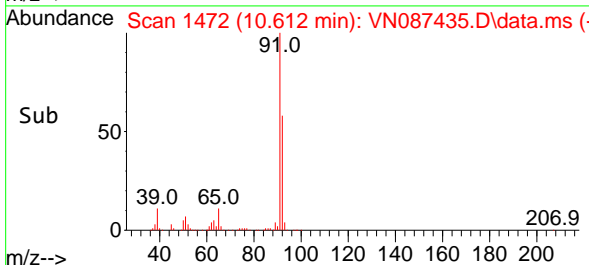
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

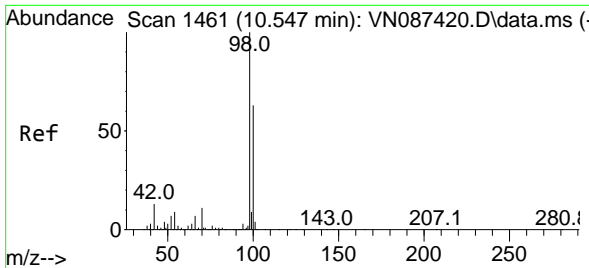


#62  
 Toluene  
 Concen: 19.765 ug/l  
 RT: 10.612 min Scan# 1472  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



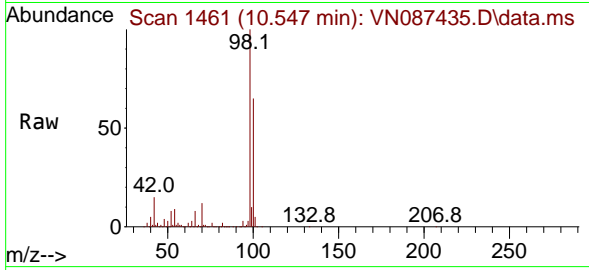
Tgt Ion: 91 Resp: 336994  
 Ion Ratio Lower Upper  
 91 100  
 92 56.6 45.6 68.4





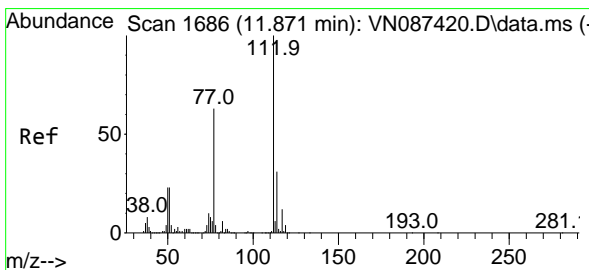
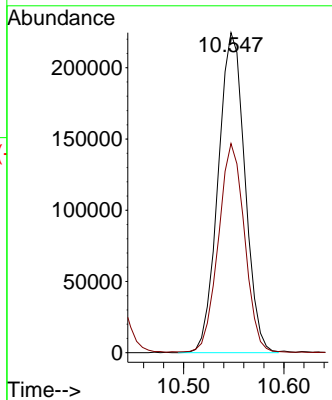
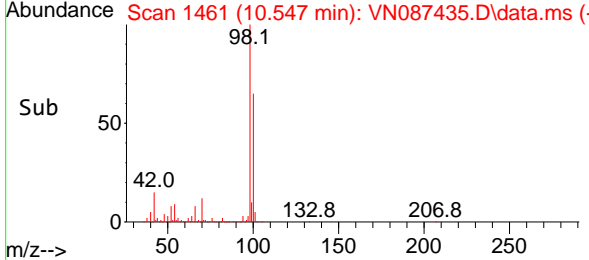
#63  
 Toluene-d8  
 Concen: 29.872 ug/l  
 RT: 10.547 min Scan# 1461  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC020EC

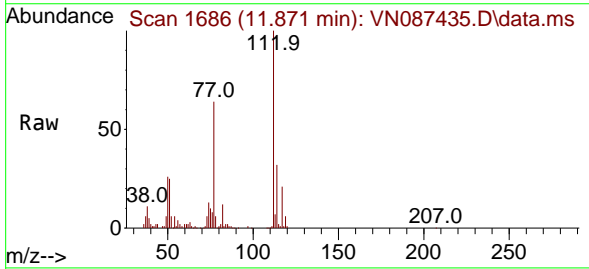


Tgt Ion: 98 Resp: 414458  
 Ion Ratio Lower Upper  
 98 100  
 100 64.3 50.7 76.1

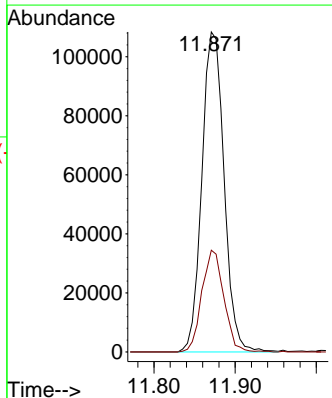
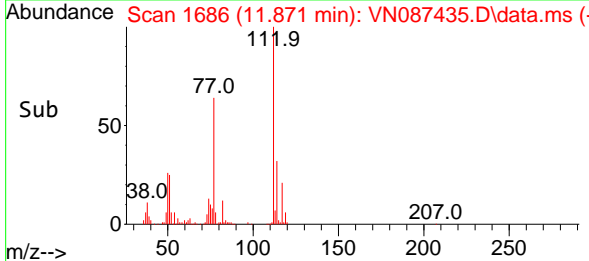
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

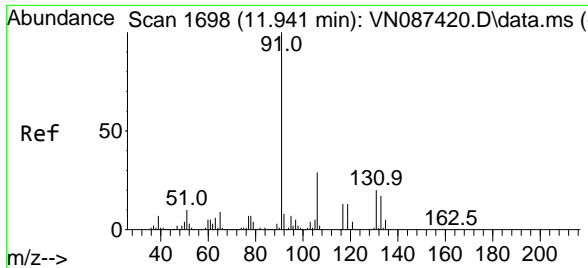


#64  
 Chlorobenzene  
 Concen: 19.634 ug/l  
 RT: 11.871 min Scan# 1686  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



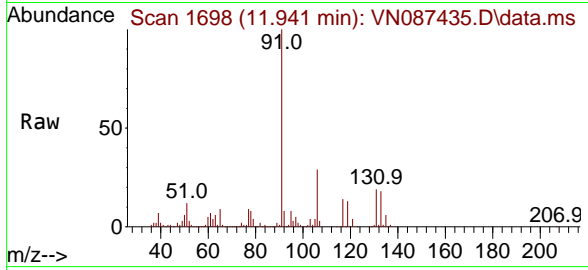
Tgt Ion:112 Resp: 205875  
 Ion Ratio Lower Upper  
 112 100  
 114 31.8 25.2 37.8





#65  
 1,1,1,2-Tetrachloroethane  
 Concen: 19.309 ug/l  
 RT: 11.941 min Scan# 1698  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

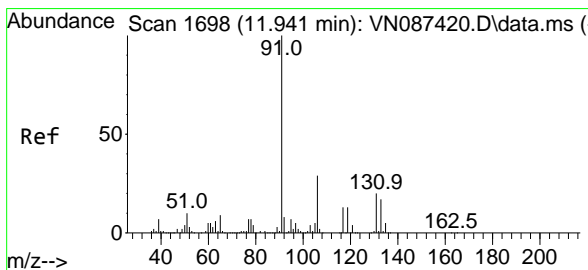
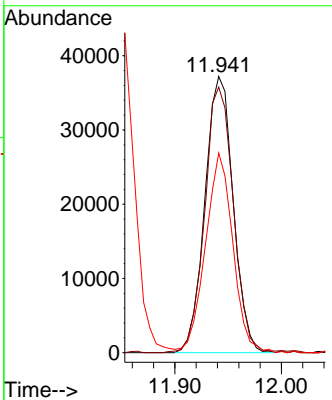
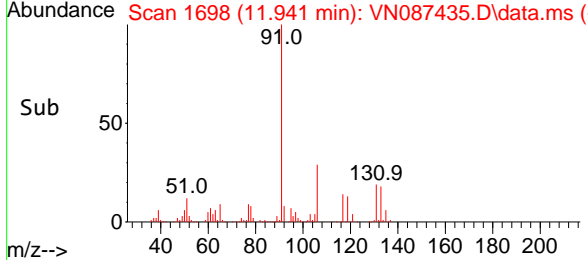
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC020EC



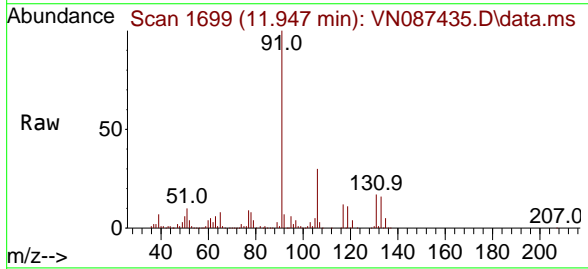
Tgt Ion:131 Resp: 6865  
 Ion Ratio Lower Upper  
 131 100  
 133 97.5 0.0 184.2  
 119 69.9 0.0 136.4

Manual Integrations  
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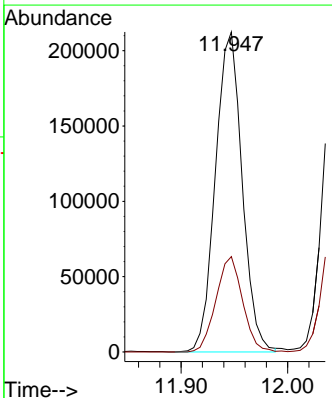
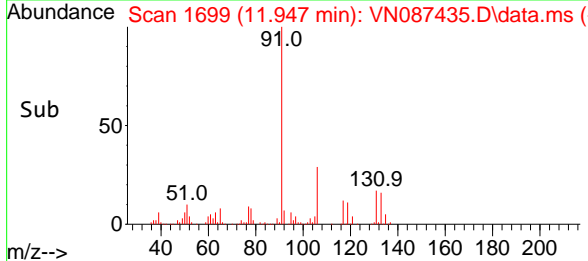
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

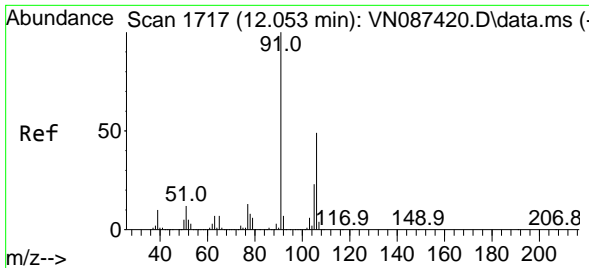


#66  
 Ethyl Benzene  
 Concen: 19.842 ug/l  
 RT: 11.947 min Scan# 1699  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



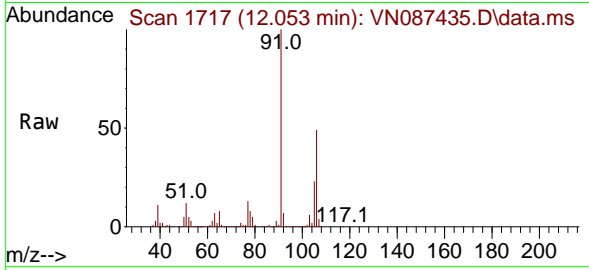
Tgt Ion: 91 Resp: 369620  
 Ion Ratio Lower Upper  
 91 100  
 106 29.8 23.6 35.4





#67  
 m/p-Xylenes  
 Concen: 39.903 ug/l  
 RT: 12.053 min Scan# 1717  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

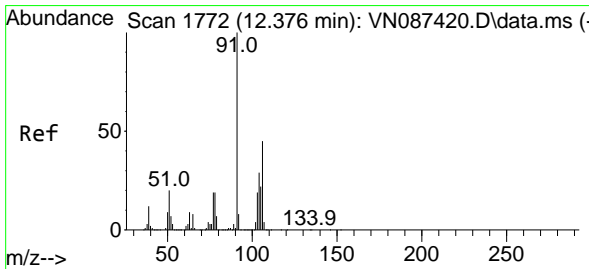
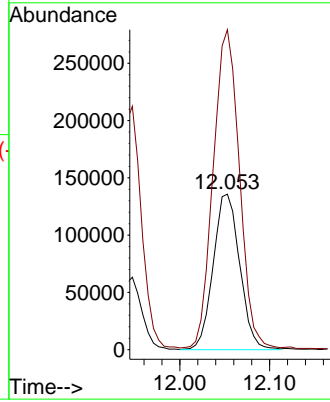
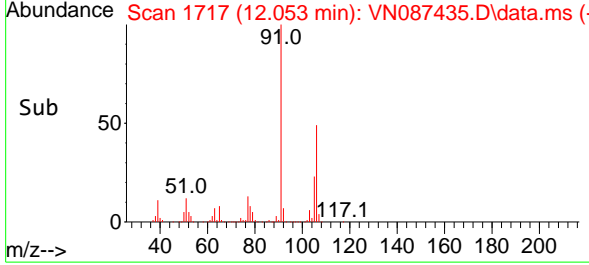
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC020EC



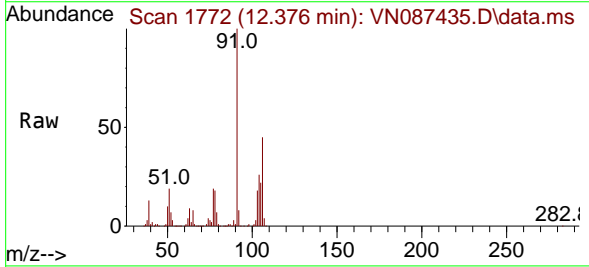
Tgt Ion:106 Resp: 278518  
 Ion Ratio Lower Upper  
 106 100  
 91 203.6 165.4 248.2

Manual Integrations  
 APPROVED

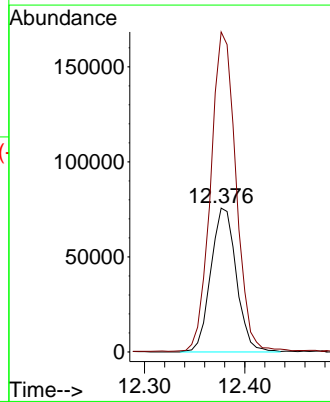
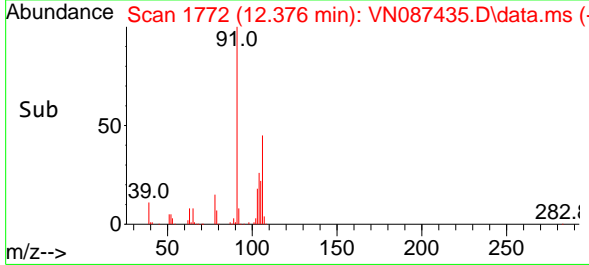
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

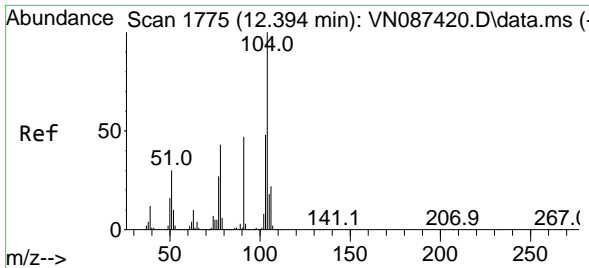


#68  
 o-Xylene  
 Concen: 19.631 ug/l  
 RT: 12.376 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion:106 Resp: 134092  
 Ion Ratio Lower Upper  
 106 100  
 91 218.6 106.9 320.8





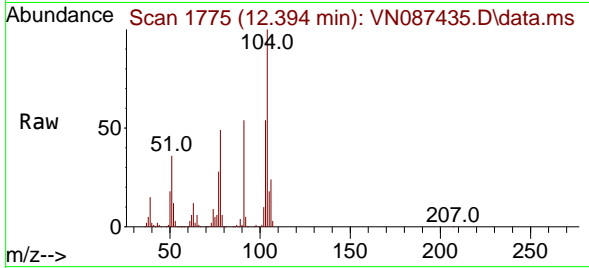
#69  
 Styrene  
 Concen: 19.241 ug/l  
 RT: 12.394 min Scan# 1775  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



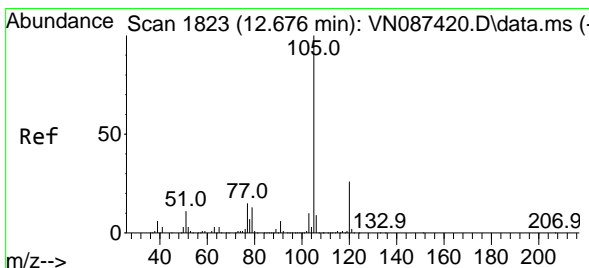
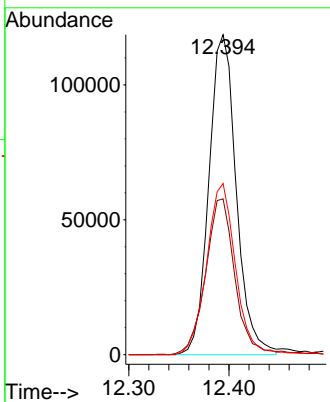
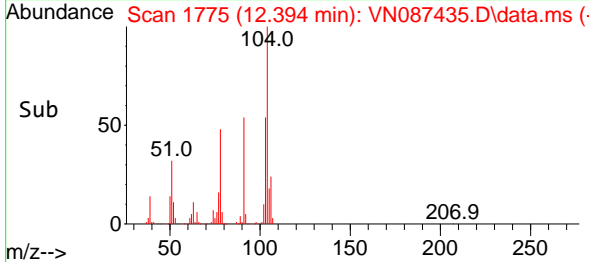
Tgt Ion:104 Resp: 22480  
 Ion Ratio Lower Upper  
 104 100  
 78 51.7 40.6 60.8  
 103 56.7 43.8 65.8

Manual Integrations

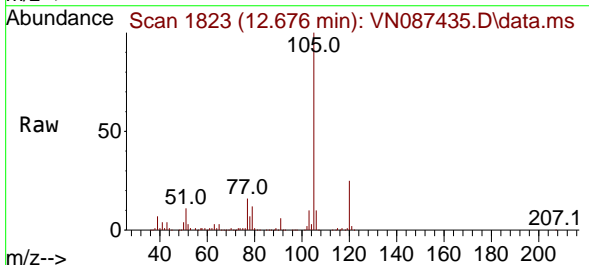
APPROVED

Reviewed By :John Carlone 07/29/2025

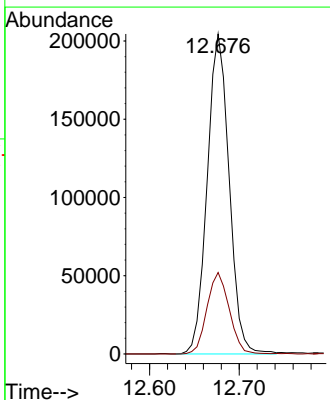
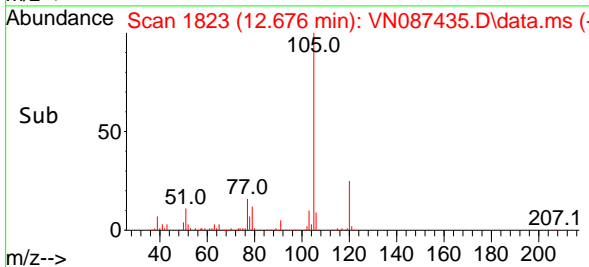
Supervised By :Mahesh Dadoda 07/29/2025

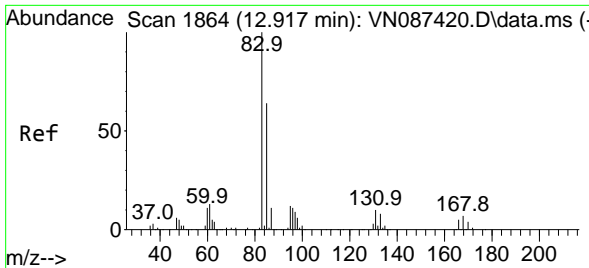


#70  
 Isopropylbenzene  
 Concen: 19.798 ug/l  
 RT: 12.676 min Scan# 1823  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



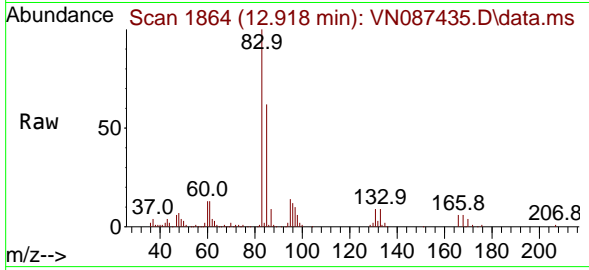
Tgt Ion:105 Resp: 347281  
 Ion Ratio Lower Upper  
 105 100  
 120 25.8 18.1 33.5





#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.504 ug/l  
 RT: 12.918 min Scan# 1864  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

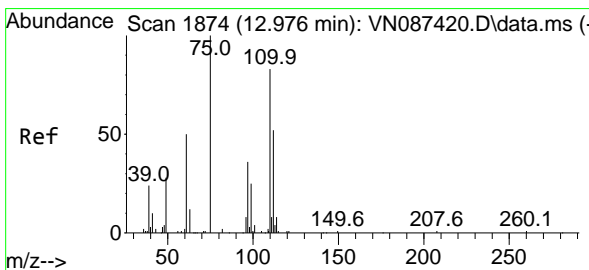
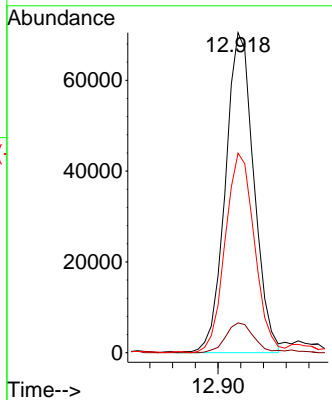
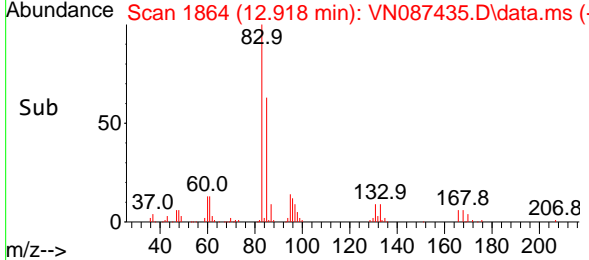
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC020EC



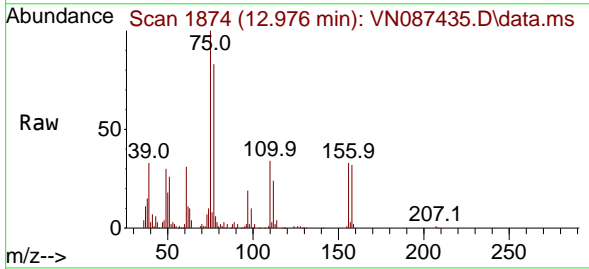
Tgt Ion: 83 Resp: 12264  
 Ion Ratio Lower Upper  
 83 100  
 131 9.3 5.0 14.9  
 85 64.2 32.7 98.1

Manual Integrations  
 APPROVED

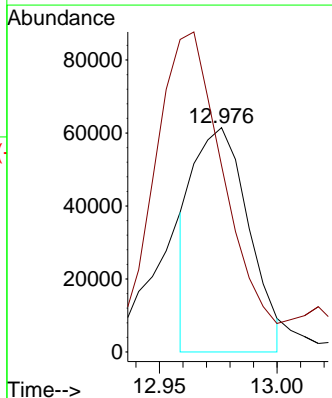
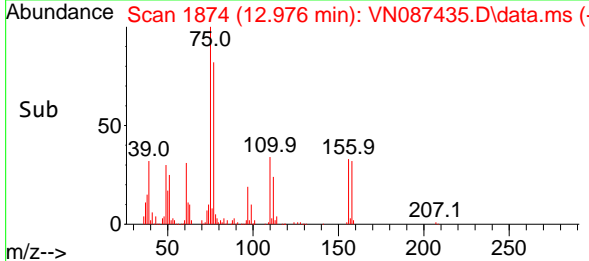
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

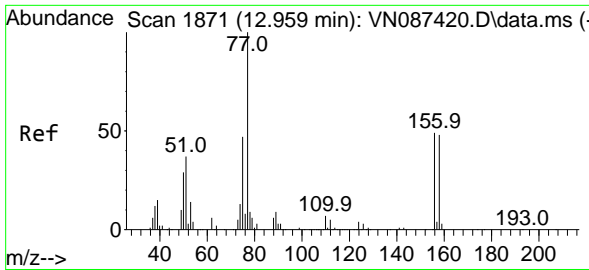


#72  
 1,2,3-Trichloropropane  
 Concen: 18.528 ug/l m  
 RT: 12.976 min Scan# 1874  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



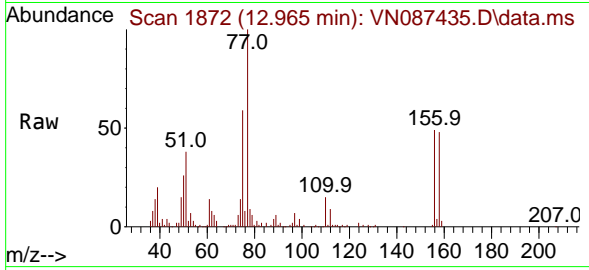
Tgt Ion: 75 Resp: 100810  
 Ion Ratio Lower Upper  
 75 100  
 77 181.2 0.0 322.6





#73  
 Bromobenzene  
 Concen: 19.245 ug/l  
 RT: 12.965 min Scan# 1871  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

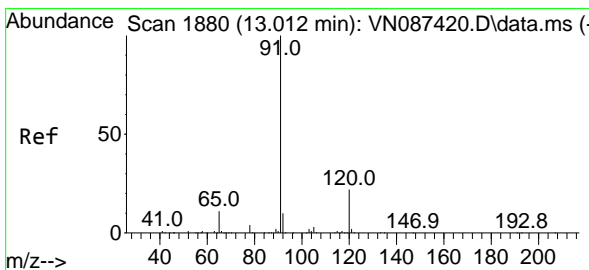
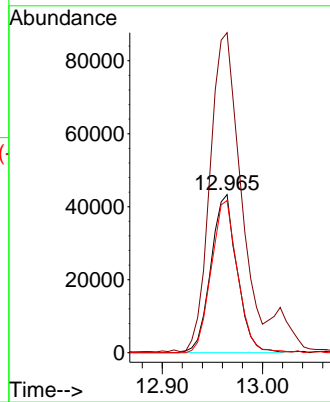
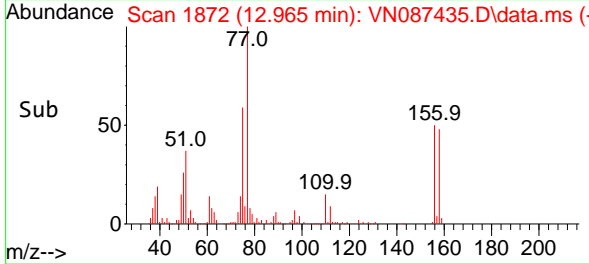
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC



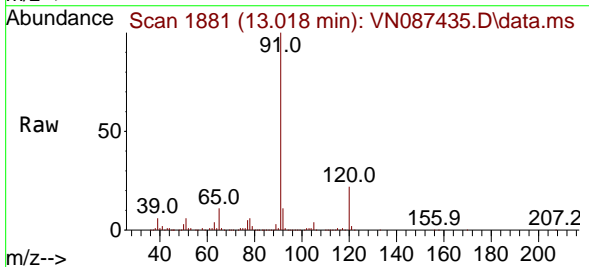
Tgt Ion:156 Resp: 78438  
 Ion Ratio Lower Upper  
 156 100  
 77 232.9 0.0 483.0  
 158 96.8 0.0 195.0

Manual Integrations  
 APPROVED

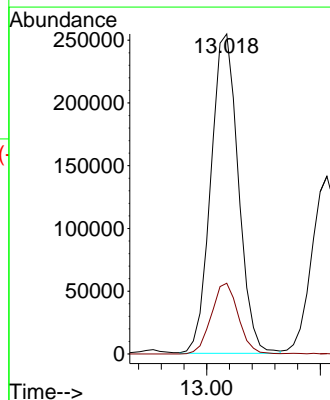
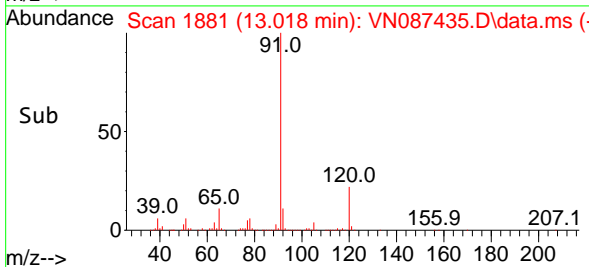
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025



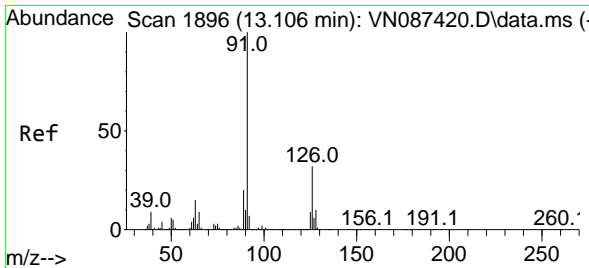
#74  
 n-propylbenzene  
 Concen: 19.756 ug/l  
 RT: 13.018 min Scan# 1881  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 91 Resp: 427870  
 Ion Ratio Lower Upper  
 91 100  
 120 21.7 0.0 44.0

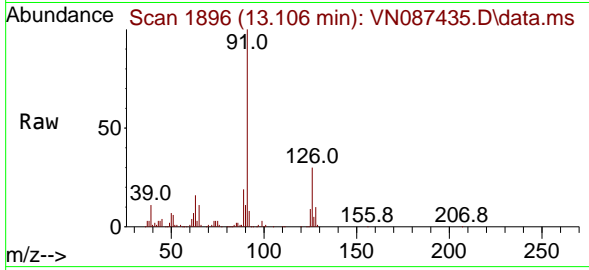






#75  
 2-Chlorotoluene  
 Concen: 19.327 ug/l  
 RT: 13.106 min Scan# 1896  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

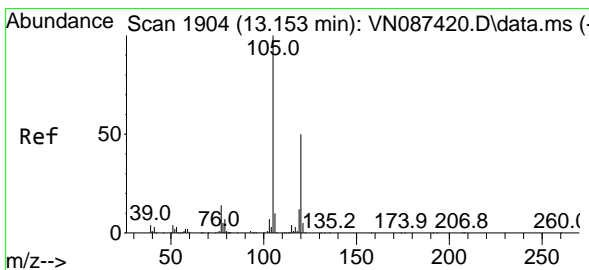
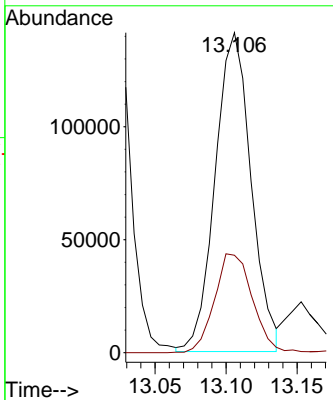
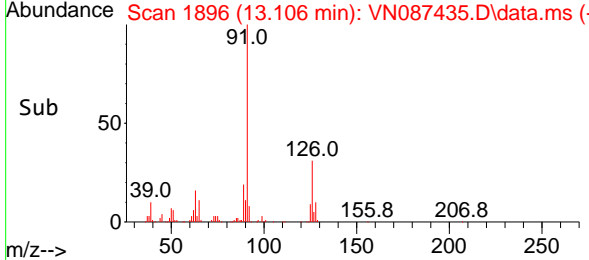
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC020EC



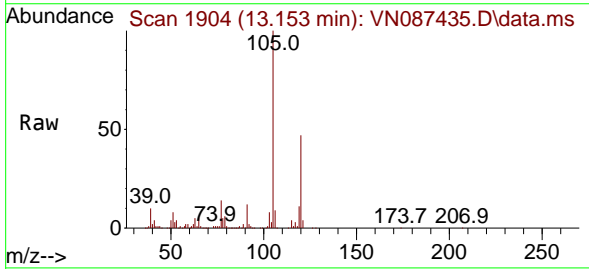
Tgt Ion: 91 Resp: 248409  
 Ion Ratio Lower Upper  
 91 100  
 126 32.3 0.0 64.4

Manual Integrations  
**APPROVED**

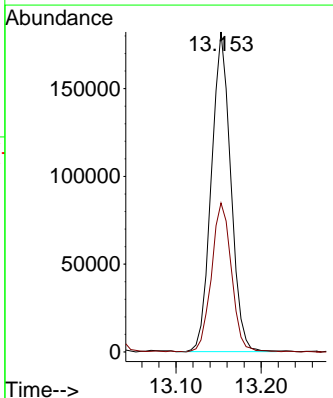
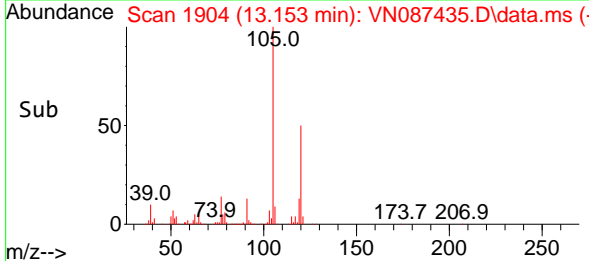
Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

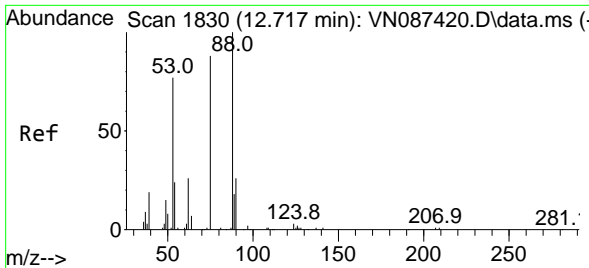


#76  
 1,3,5-Trimethylbenzene  
 Concen: 19.782 ug/l  
 RT: 13.153 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



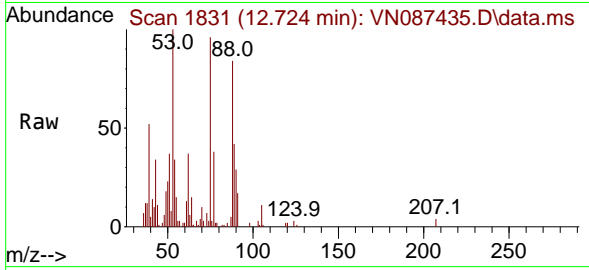
Tgt Ion: 105 Resp: 287479  
 Ion Ratio Lower Upper  
 105 100  
 120 48.0 0.0 97.0





#77  
 t-1,4-Dichloro-2-butene  
 Concen: 12.906 ug/l  
 RT: 12.724 min Scan# 1831  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

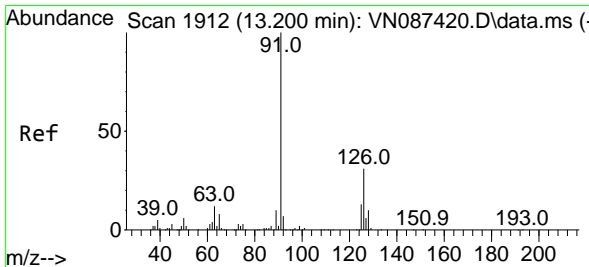
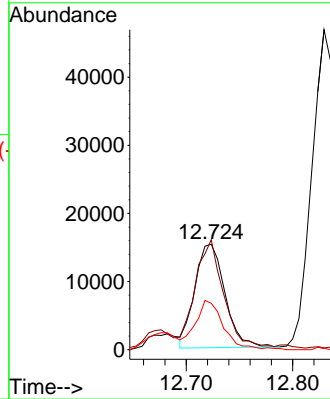
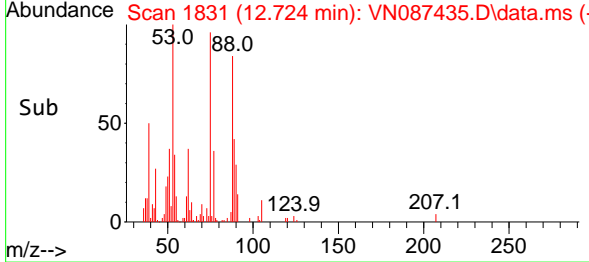
Instrument : MSVOA\_N  
 Client Sample Id : VSTDC020EC



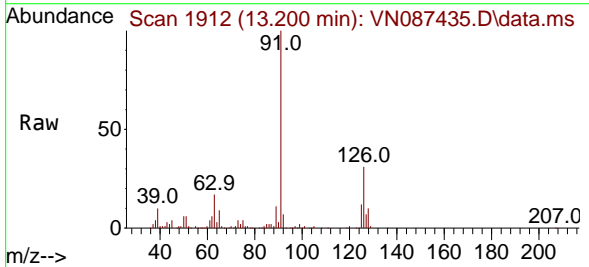
Tgt Ion: 75 Resp: 2979  
 Ion Ratio Lower Upper  
 75 100  
 53 102.7 44.3 132.8  
 89 44.2 22.4 67.3

Manual Integrations  
 APPROVED

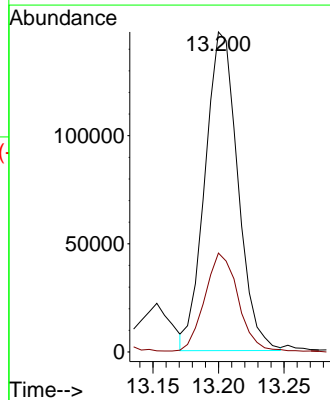
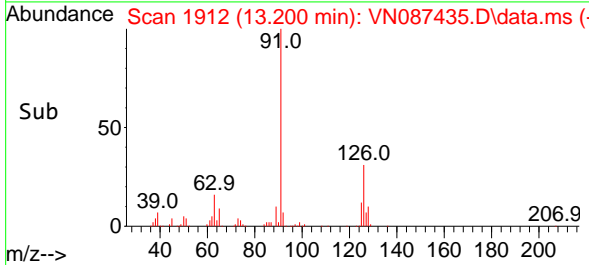
Reviewed By : John Carlone 07/29/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

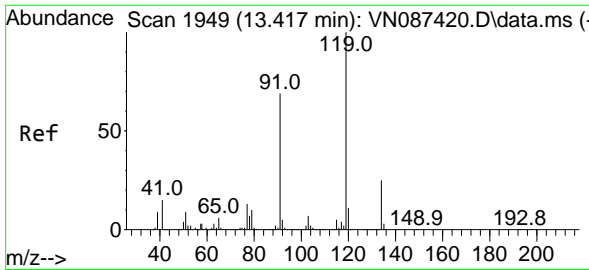


#78  
 4-Chlorotoluene  
 Concen: 19.432 ug/l  
 RT: 13.200 min Scan# 1912  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 91 Resp: 256473  
 Ion Ratio Lower Upper  
 91 100  
 126 31.2 0.0 63.4





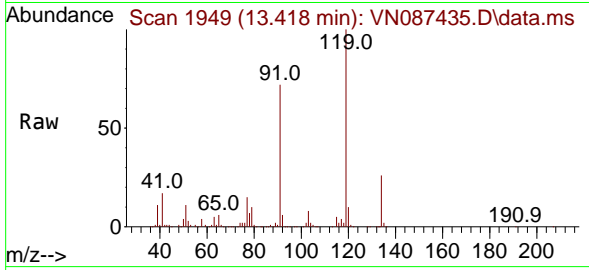
#79  
 tert-butylbenzene  
 Concen: 19.589 ug/l  
 RT: 13.418 min Scan# 1949  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



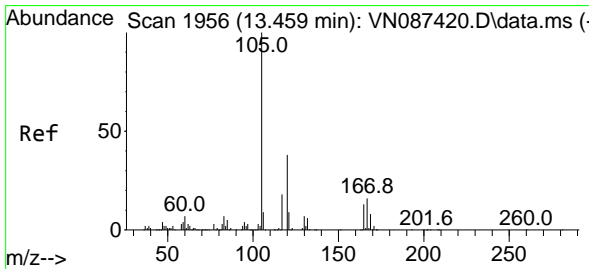
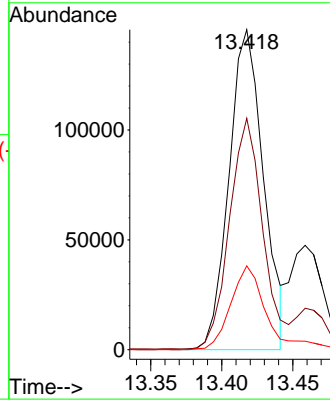
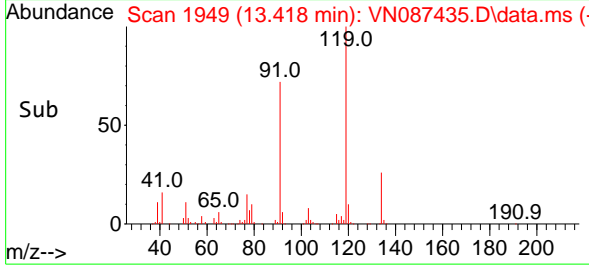
Tgt Ion:119 Resp: 24592  
 Ion Ratio Lower Upper  
 119 100  
 91 69.9 0.0 135.4  
 134 25.5 0.0 49.2

Manual Integrations

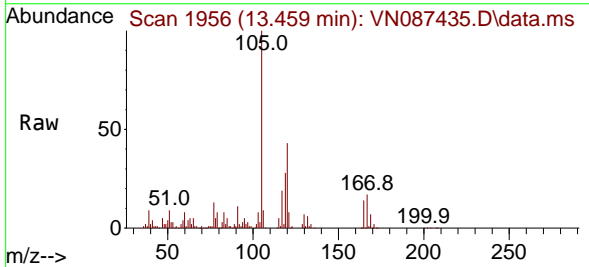
APPROVED

Reviewed By :John Carlone 07/29/2025

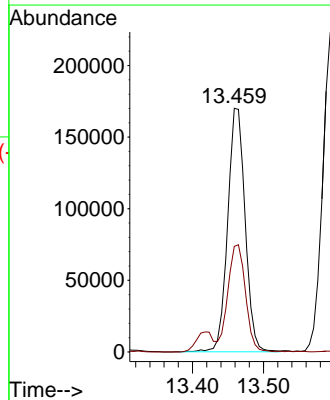
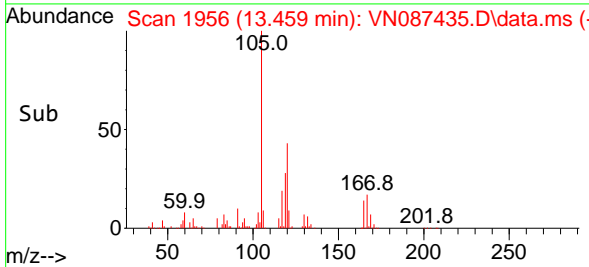
Supervised By :Mahesh Dadoda 07/29/2025

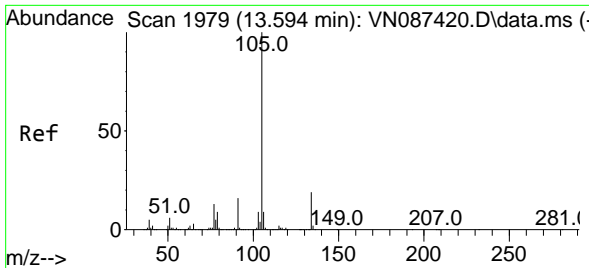


#80  
 1,2,4-Trimethylbenzene  
 Concen: 20.091 ug/l  
 RT: 13.459 min Scan# 1956  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion:105 Resp: 289712  
 Ion Ratio Lower Upper  
 105 100  
 120 44.1 0.0 88.6





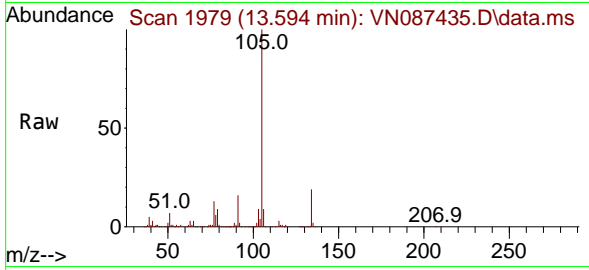
#81  
 sec-Butylbenzene  
 Concen: 19.718 ug/l  
 RT: 13.594 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDC0020EC



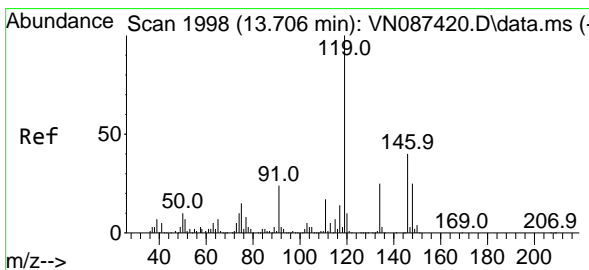
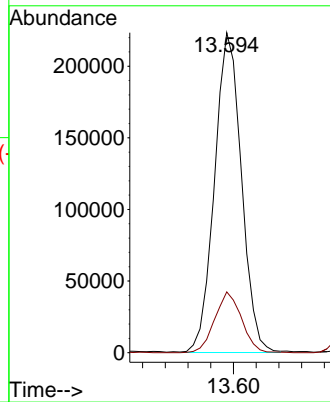
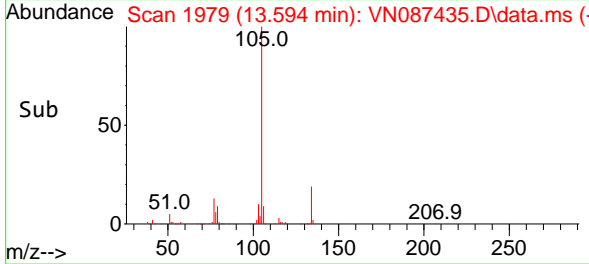
Tgt Ion:105 Resp: 367699  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 0.0 39.0

Manual Integrations

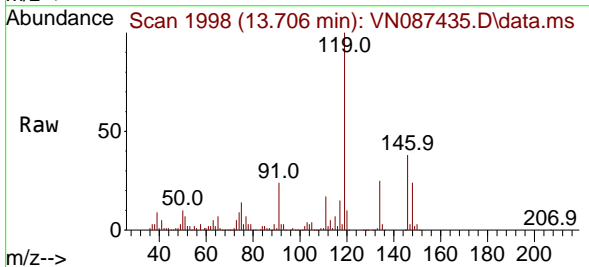
APPROVED

Reviewed By :John Carlone 07/29/2025

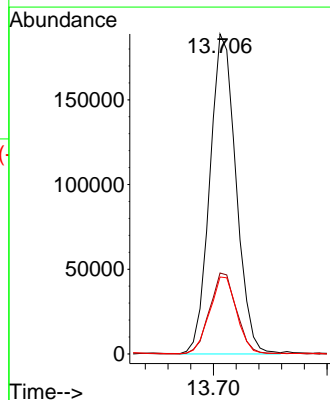
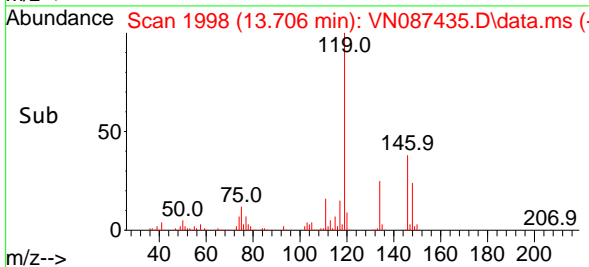
Supervised By :Mahesh Dadoda 07/29/2025

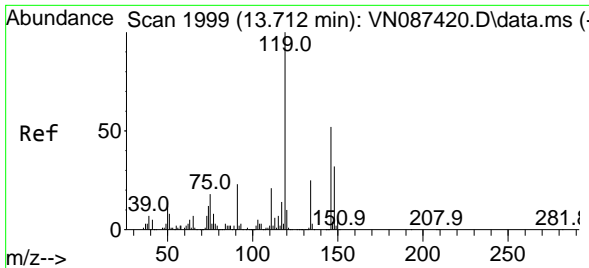


#82  
 p-Isopropyltoluene  
 Concen: 20.019 ug/l  
 RT: 13.706 min Scan# 1998  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion:119 Resp: 303000  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 0.0 50.8  
 91 24.6 0.0 47.6





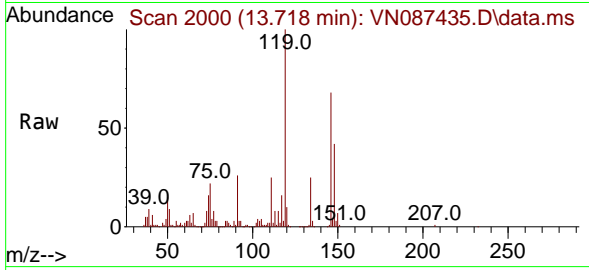
#83  
 1,3-Dichlorobenzene  
 Concen: 19.731 ug/l  
 RT: 13.718 min Scan# 2000  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



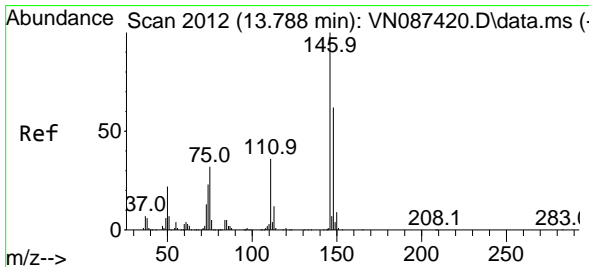
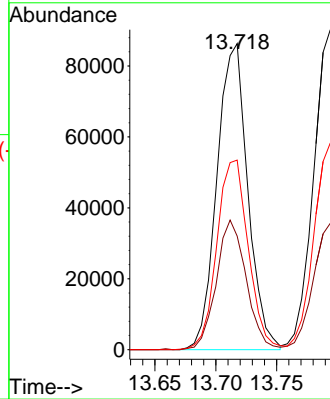
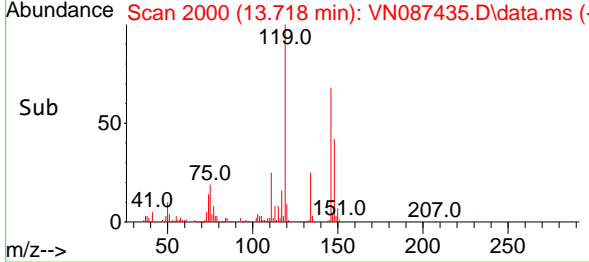
Tgt Ion:146 Resp: 15218  
 Ion Ratio Lower Upper  
 146 100  
 111 41.0 19.9 59.7  
 148 63.4 31.9 95.5

Manual Integrations

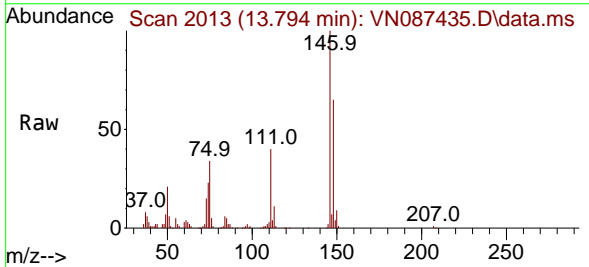
APPROVED

Reviewed By :John Carlone 07/29/2025

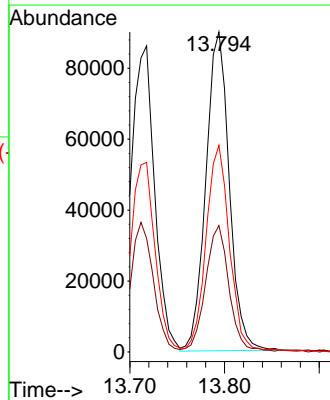
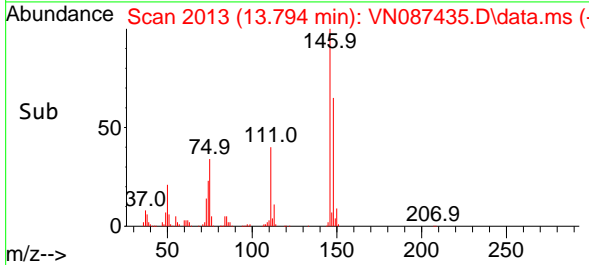
Supervised By :Mahesh Dadoda 07/29/2025

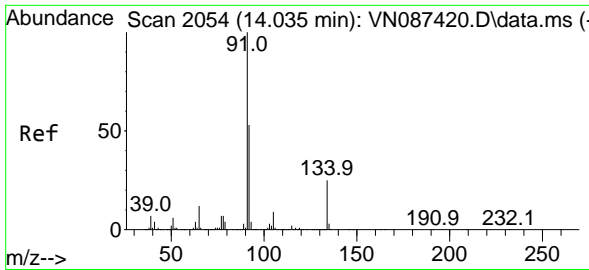


#84  
 1,4-Dichlorobenzene  
 Concen: 19.145 ug/l  
 RT: 13.794 min Scan# 2013  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion:146 Resp: 154414  
 Ion Ratio Lower Upper  
 146 100  
 111 40.0 19.1 57.3  
 148 63.0 31.4 94.2





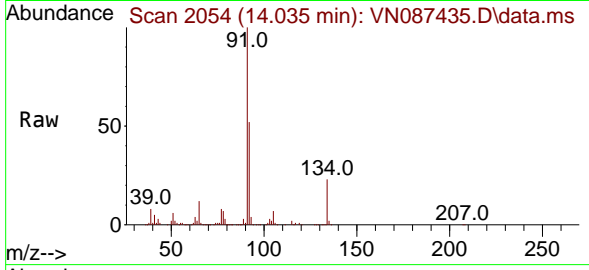
#85  
 n-Butylbenzene  
 Concen: 19.834 ug/l  
 RT: 14.035 min Scan# 2054  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



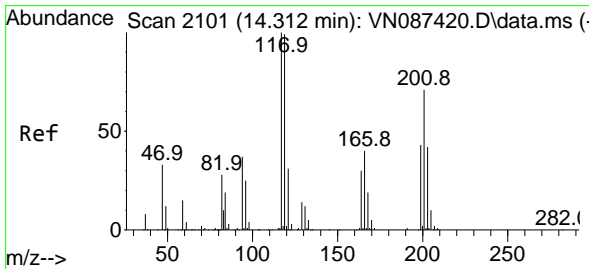
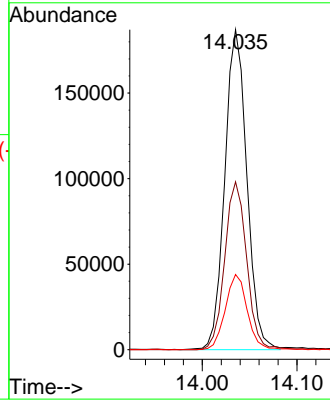
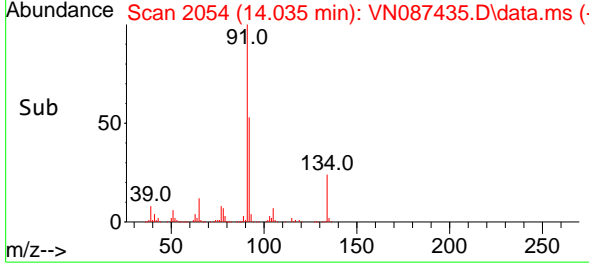
Tgt Ion: 91 Resp: 30234  
 Ion Ratio Lower Upper  
 91 100  
 92 52.2 0.0 104.8  
 134 23.3 0.0 49.0

Manual Integrations

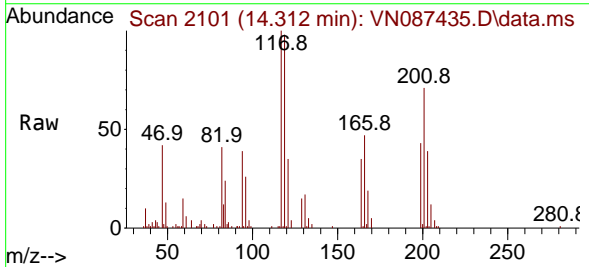
APPROVED

Reviewed By :John Carlone 07/29/2025

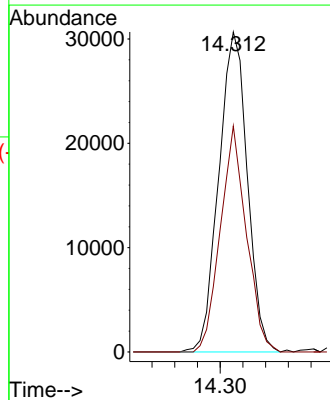
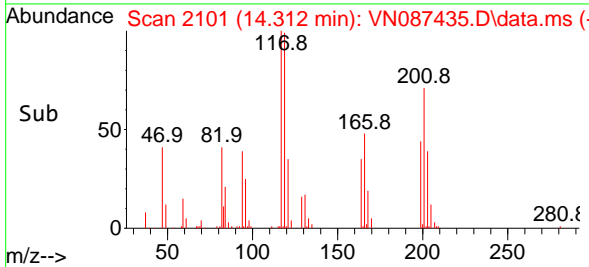
Supervised By :Mahesh Dadoda 07/29/2025

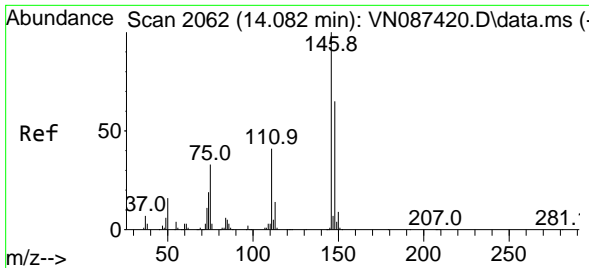


#86  
 Hexachloroethane  
 Concen: 17.424 ug/l  
 RT: 14.312 min Scan# 2101  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion:117 Resp: 53562  
 Ion Ratio Lower Upper  
 117 100  
 201 64.5 32.7 98.1





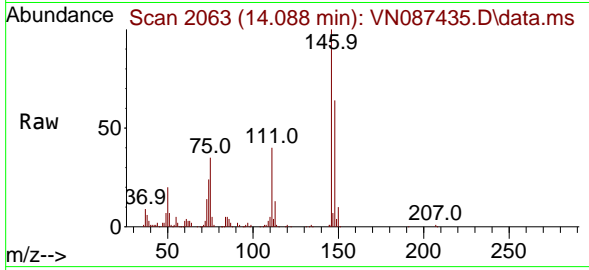
#87  
 1,2-Dichlorobenzene  
 Concen: 19.427 ug/l  
 RT: 14.088 min Scan# 2063  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



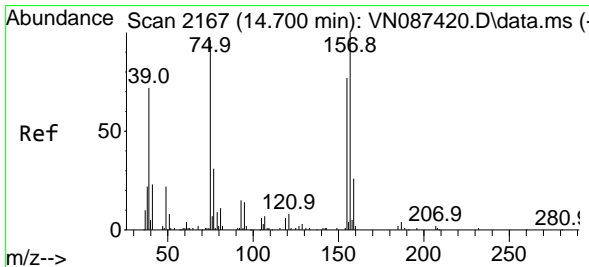
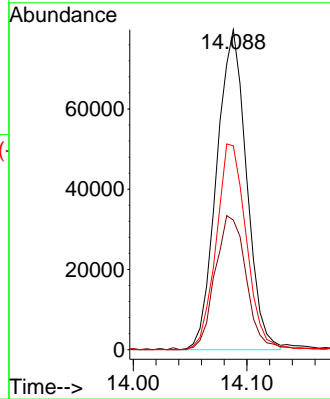
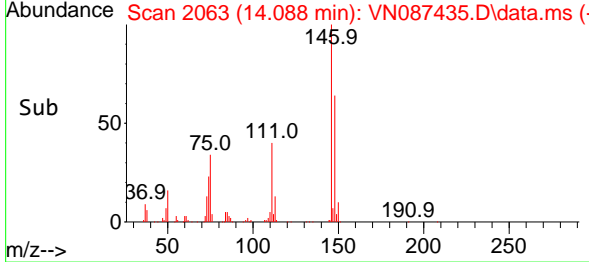
Tgt Ion:146 Resp: 14566  
 Ion Ratio Lower Upper  
 146 100  
 111 43.9 20.6 61.9  
 148 64.7 32.5 97.5

Manual Integrations

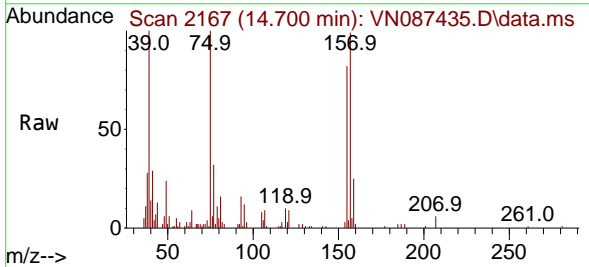
APPROVED

Reviewed By :John Carlone 07/29/2025

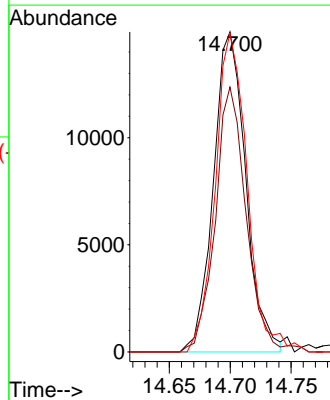
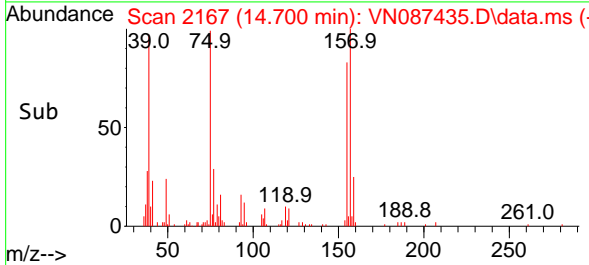
Supervised By :Mahesh Dadoda 07/29/2025

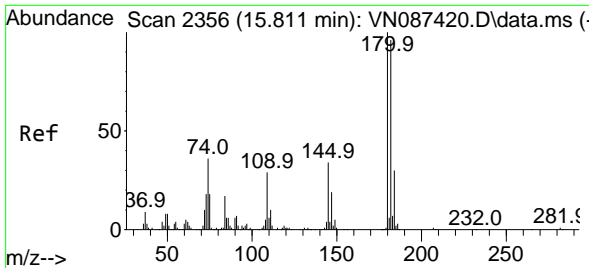


#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.928 ug/l  
 RT: 14.700 min Scan# 2167  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion: 75 Resp: 27512  
 Ion Ratio Lower Upper  
 75 100  
 155 78.7 64.4 96.6  
 157 96.2 82.3 123.5





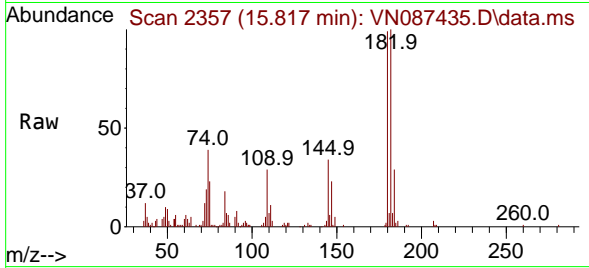
#89  
 1,2,4-Trichlorobenzene  
 Concen: 18.695 ug/l  
 RT: 15.817 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



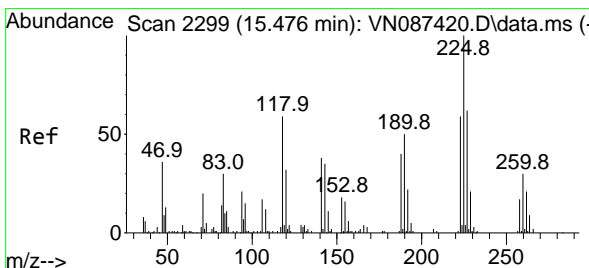
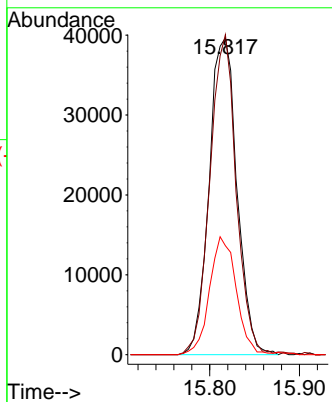
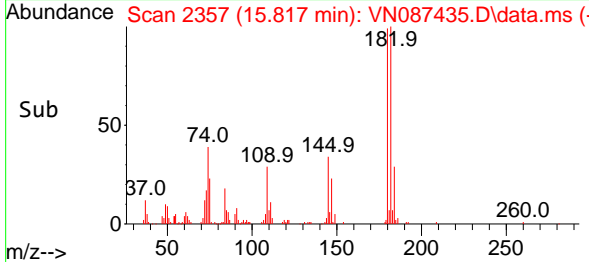
Tgt Ion:180 Resp: 85490  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 74.7 112.1  
 145 35.5 27.4 41.2

Manual Integrations

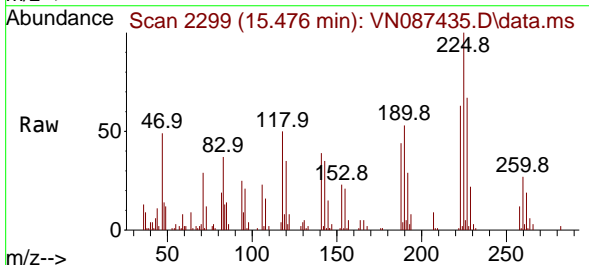
APPROVED

Reviewed By :John Carlone 07/29/2025

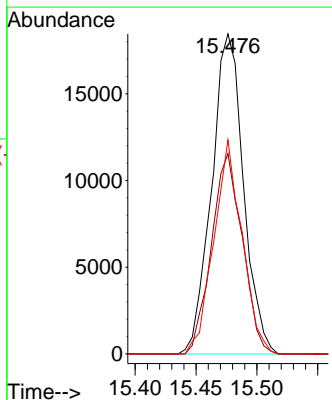
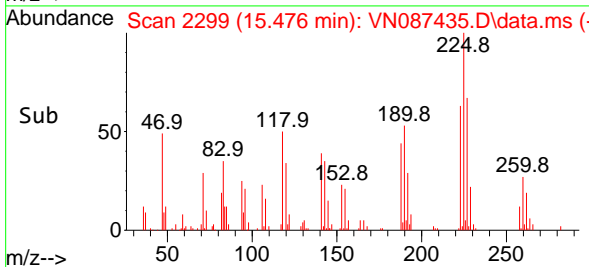
Supervised By :Mahesh Dadoda 07/29/2025



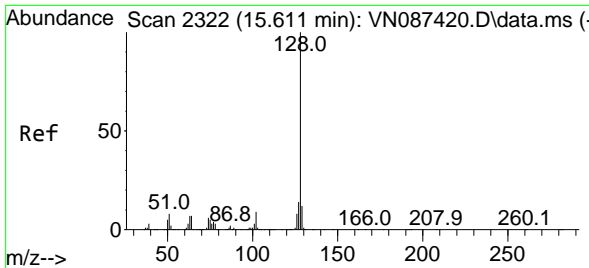
#90  
 Hexachlorobutadiene  
 Concen: 19.288 ug/l  
 RT: 15.476 min Scan# 2299  
 Delta R.T. 0.000 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion:225 Resp: 33584  
 Ion Ratio Lower Upper  
 225 100  
 223 60.7 0.0 125.4  
 227 59.5 0.0 125.0

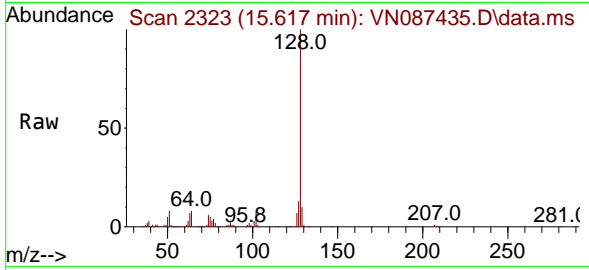






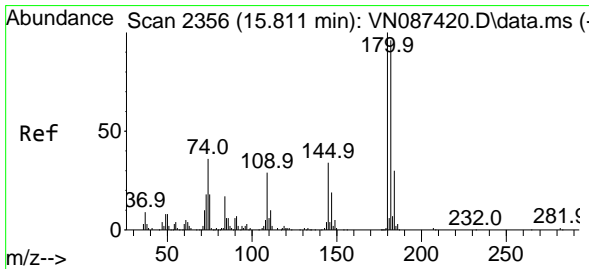
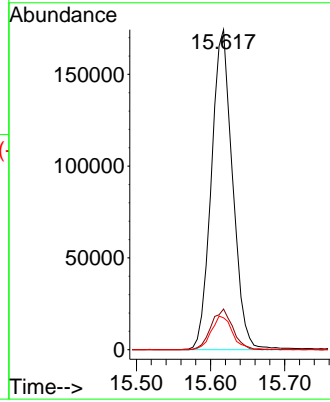
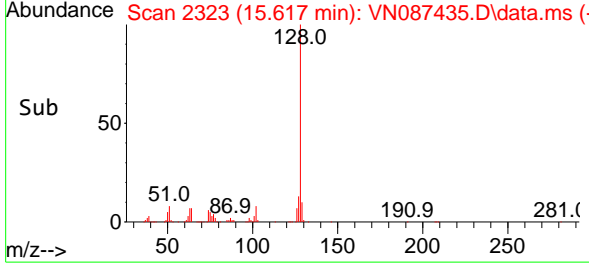
#91  
 Naphthalene  
 Concen: 20.018 ug/l  
 RT: 15.617 min Scan# 2322  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34

Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC020EC

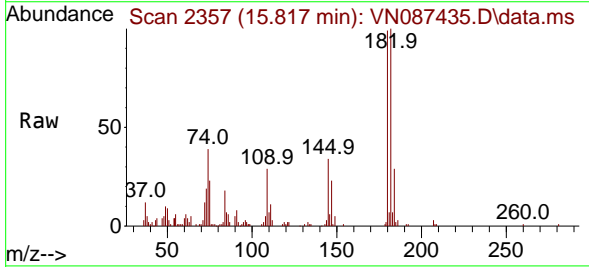


Tgt Ion:128 Resp: 34599  
 Ion Ratio Lower Upper  
 128 100  
 127 13.0 10.7 16.1  
 129 10.4 9.1 13.7

Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 07/29/2025  
 Supervised By :Mahesh Dadoda 07/29/2025



#92  
 1,2,3-Trichlorobenzene  
 Concen: 18.695 ug/l  
 RT: 15.817 min Scan# 2357  
 Delta R.T. 0.006 min  
 Lab File: VN087435.D  
 Acq: 28 Jul 2025 16:34



Tgt Ion:180 Resp: 85496  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 0.0 186.8  
 145 35.5 0.0 68.6

