

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102623\  
 Data File : VN079702.D  
 Acq On : 26 Oct 2023 18:12  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/27/2023  
 Supervised By : Mahesh Dadoda 10/27/2023

Quant Time: Oct 27 01:24:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 2023  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	283435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	495375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	450949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	200608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	229150	49.862	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	99.720%	
35) Dibromofluoromethane	8.171	113	181269	50.919	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	101.840%	
50) Toluene-d8	10.571	98	672300	52.193	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	104.380%	
62) 4-Bromofluorobenzene	12.853	95	231990	56.121	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	112.240%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.130	85	167876	41.334	ug/l	100
3) Chloromethane	2.365	50	191865	37.860	ug/l	99
4) Vinyl Chloride	2.518	62	216371	41.047	ug/l	97
5) Bromomethane	2.942	94	126732	40.161	ug/l	98
6) Chloroethane	3.118	64	137196	34.523	ug/l	97
7) Trichlorofluoromethane	3.495	101	271582	43.636	ug/l	98
8) Diethyl Ether	3.965	74	106702	48.090	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.371	101	157962	43.431	ug/l	99
10) Methyl Iodide	4.595	142	177973	56.391	ug/l	98
11) Tert butyl alcohol	5.530	59	148667	214.935	ug/l	99
12) 1,1-Dichloroethene	4.342	96	144848	43.254	ug/l #	83
13) Acrolein	4.183	56	173631	252.104	ug/l	96
14) Allyl chloride	5.030	41	237461	43.940	ug/l	90
15) Acrylonitrile	5.724	53	485619	242.167	ug/l	98
16) Acetone	4.430	43	450748	247.283	ug/l	92
17) Carbon Disulfide	4.712	76	370297	35.449	ug/l	99
18) Methyl Acetate	5.030	43	403234	45.197	ug/l #	85
19) Methyl tert-butyl Ether	5.800	73	556896	51.181	ug/l	94
20) Methylene Chloride	5.283	84	183803	45.999	ug/l #	81
21) trans-1,2-Dichloroethene	5.789	96	163473	41.795	ug/l #	74
22) Diisopropyl ether	6.677	45	612841	50.572	ug/l #	90
23) Vinyl Acetate	6.606	43	1693385	248.428	ug/l #	85
24) 1,1-Dichloroethane	6.571	63	341468	46.042	ug/l	96
25) 2-Butanone	7.489	43	678653	250.849	ug/l #	79
26) 2,2-Dichloropropane	7.494	77	279282	49.275	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	201590	47.443	ug/l	85
28) Bromochloromethane	7.818	49	148398	42.054	ug/l #	73
29) Tetrahydrofuran	7.847	42	438401	250.555	ug/l #	76
30) Chloroform	7.971	83	357314	47.684	ug/l	94
31) Cyclohexane	8.259	56	264173	40.525	ug/l	87
32) 1,1,1-Trichloroethane	8.177	97	299628	47.514	ug/l	95
36) 1,1-Dichloropropene	8.377	75	249721	46.738	ug/l	95
37) Ethyl Acetate	7.565	43	262681	49.409	ug/l #	92
38) Carbon Tetrachloride	8.365	117	252280	47.165	ug/l	99
39) Methylcyclohexane	9.606	83	247318	48.179	ug/l #	86
40) Benzene	8.612	78	768448	48.428	ug/l	99

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 Quant Title : SW846 8260  
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	138277	49.473	ug/l	87
42) 1,2-Dichloroethane	8.677	62	281822	48.879	ug/l	97
43) Isopropyl Acetate	8.694	43	443433	47.608	ug/l #	90
44) Trichloroethene	9.359	130	181137	48.501	ug/l	96
45) 1,2-Dichloropropane	9.630	63	205247	49.093	ug/l	98
46) Dibromomethane	9.712	93	136975	50.587	ug/l	96
47) Bromodichloromethane	9.894	83	282871	50.786	ug/l	99
48) Methyl methacrylate	9.688	41	208871	52.332	ug/l #	81
49) 1,4-Dioxane	9.700	88	73456	999.155	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	1397508	265.794	ug/l	89
52) Toluene	10.635	92	473410	50.685	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	290525	51.759	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	317737	51.710	ug/l #	87
55) 1,1,2-Trichloroethane	11.024	97	191134	50.971	ug/l	96
56) Ethyl methacrylate	10.877	69	294328	57.121	ug/l #	81
57) 1,3-Dichloropropane	11.171	76	335788	51.859	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	528496	267.820	ug/l	89
59) 2-Hexanone	11.200	43	1020970	269.093	ug/l	89
60) Dibromochloromethane	11.365	129	195793	51.953	ug/l	98
61) 1,2-Dibromoethane	11.471	107	188221	50.579	ug/l	97
64) Tetrachloroethene	11.106	164	141885	45.737	ug/l	97
65) Chlorobenzene	11.894	112	483052	48.100	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	182917	49.745	ug/l	98
67) Ethyl Benzene	11.971	91	902717	51.716	ug/l	96
68) m/p-Xylenes	12.076	106	664118	104.712	ug/l	92
69) o-Xylene	12.406	106	327042	52.433	ug/l	93
70) Styrene	12.418	104	539637	54.773	ug/l	97
71) Bromoform	12.582	173	136083	50.566	ug/l #	98
73) Isopropylbenzene	12.700	105	837164	44.857	ug/l	99
74) N-amyl acetate	12.500	43	361734	47.279	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	289375	47.989	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	256549m	44.354	ug/l	
77) Bromobenzene	12.982	156	190079	41.537	ug/l	91
78) n-propylbenzene	13.041	91	978191	46.325	ug/l	98
79) 2-Chlorotoluene	13.129	91	594046	43.965	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	689584	46.857	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	86700	43.492	ug/l #	74
82) 4-Chlorotoluene	13.223	91	583741	45.401	ug/l	98
83) tert-Butylbenzene	13.441	119	591904	49.090	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	684855	48.762	ug/l	100
85) sec-Butylbenzene	13.618	105	808333	48.063	ug/l	99
86) p-Isopropyltoluene	13.735	119	648253	50.244	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	336512	46.363	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	325353	43.413	ug/l	99
89) n-Butylbenzene	14.059	91	525812	51.035	ug/l	99
90) Hexachloroethane	14.335	117	124860	47.619	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	324036	45.769	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	46958	43.513	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	108155	49.325	ug/l	97
94) Hexachlorobutadiene	15.506	225	77890	45.609	ug/l	98
95) Naphthalene	15.647	128	293264	43.798	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	115566	44.165	ug/l	99

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**Instrument :**  
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**ClientSampleId :**  
 VSTDCCC050EC

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 Quant Title : SW846 8260  
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 Response via : Initial Calibration

**Manual Integrations**  
**APPROVED**  
 Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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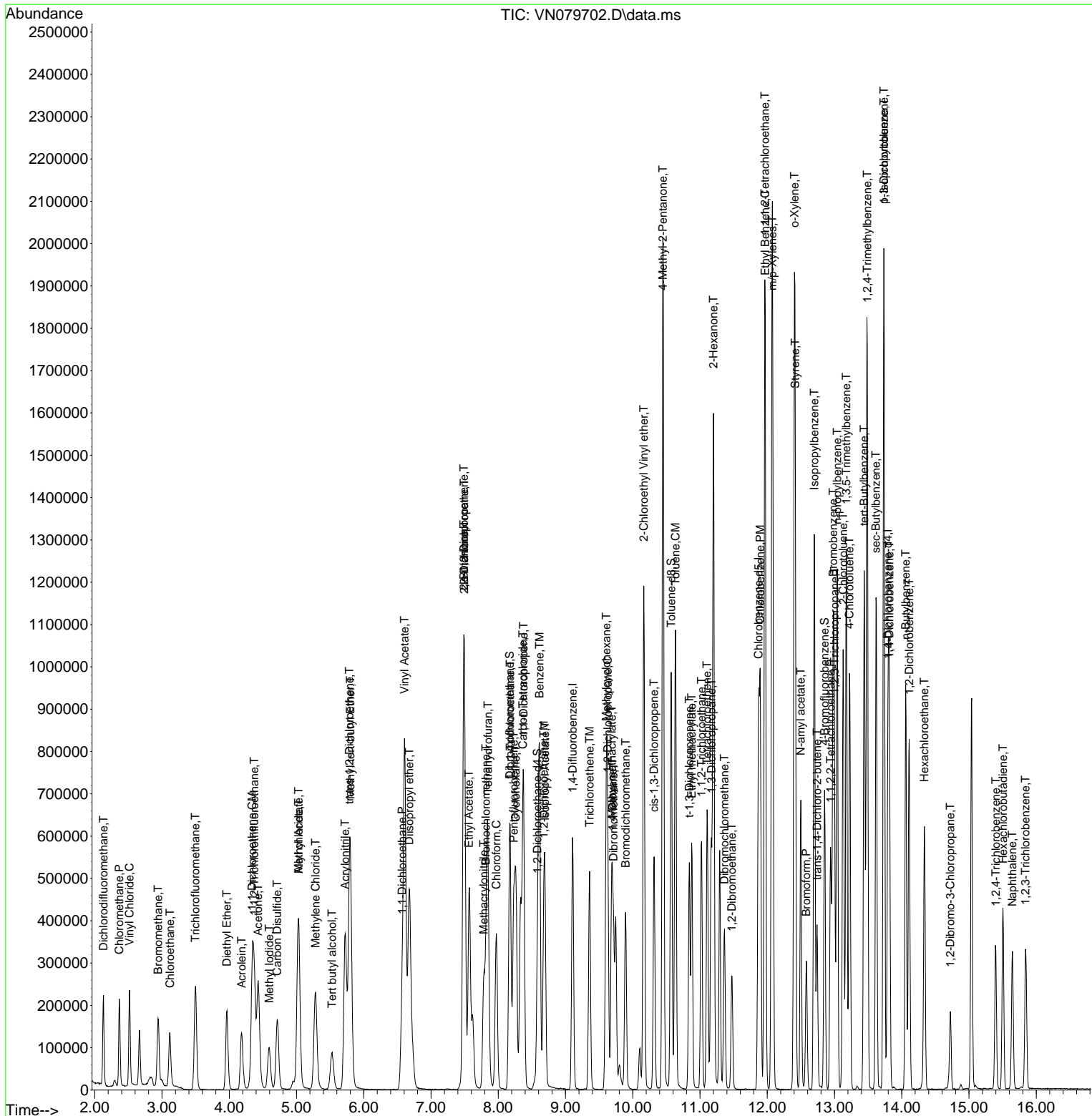
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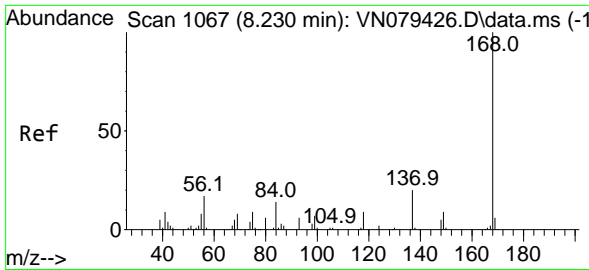
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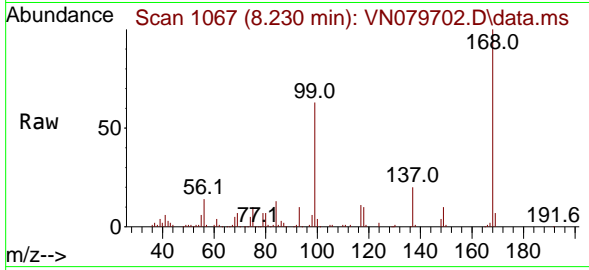
**Manual Integrations**  
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 Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023





#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.230 min Scan# 10  
 Delta R.T. -0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

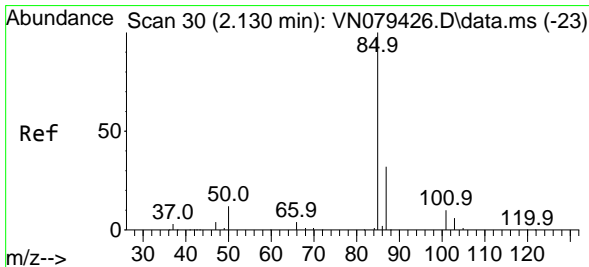
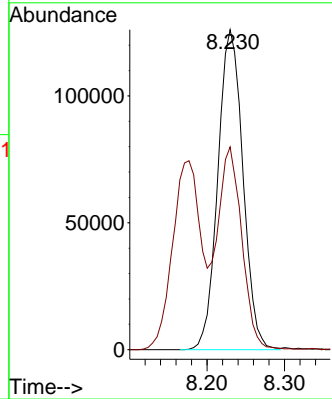
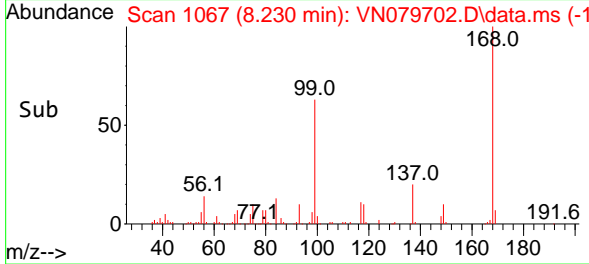
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



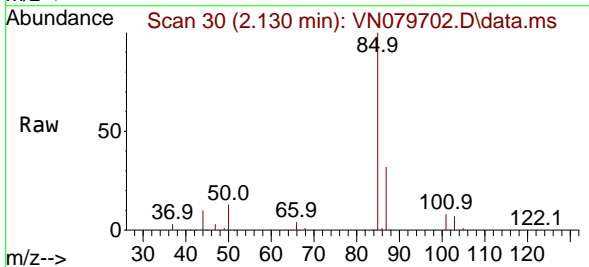
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 Ion Ratio Lower Upper  
 168 100  
 99 62.9 53.0 79.6

Manual Integrations  
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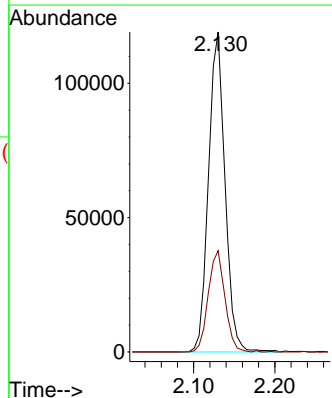
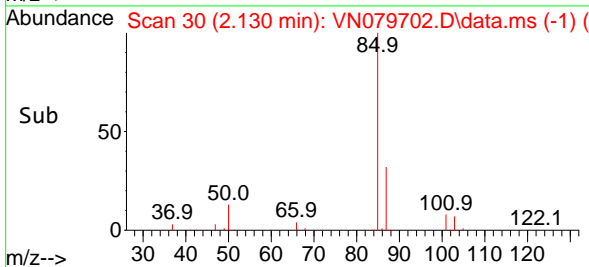
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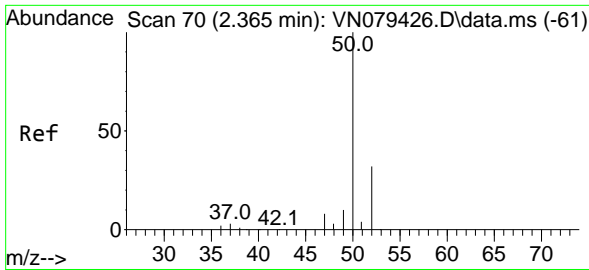


#2  
 Dichlorodifluoromethane  
 Concen: 41.334 ug/l  
 RT: 2.130 min Scan# 30  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



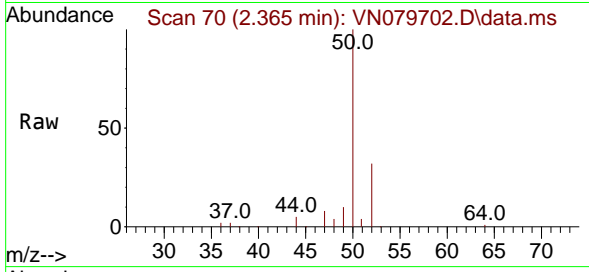
Tgt Ion: 85 Resp: 167876  
 Ion Ratio Lower Upper  
 85 100  
 87 31.7 15.8 47.4





#3  
 Chloromethane  
 Concen: 37.860 ug/l  
 RT: 2.365 min Scan# 70  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

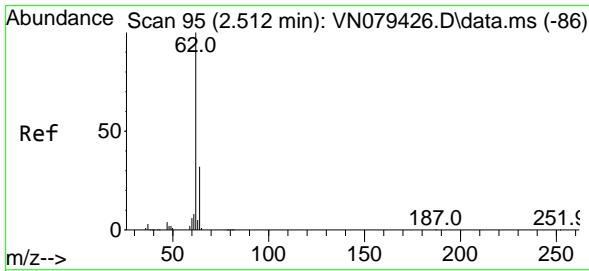
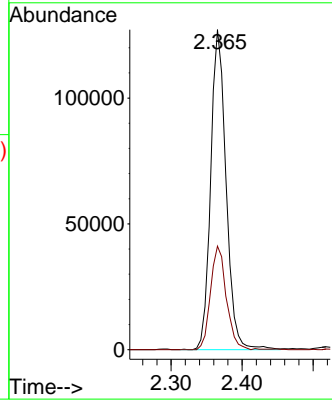
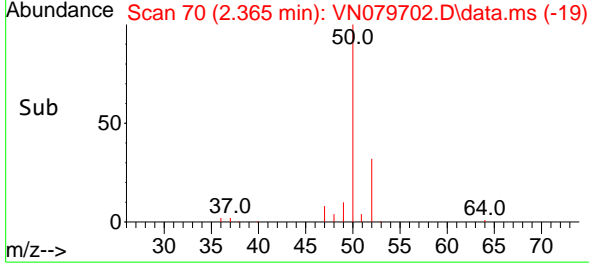
Instrument : MSVOA\_N  
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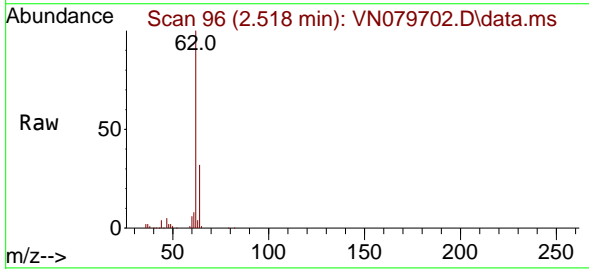
Tgt Ion: 50 Resp: 19186  
 Ion Ratio Lower Upper  
 50 100  
 52 32.4 26.5 39.7

Manual Integrations  
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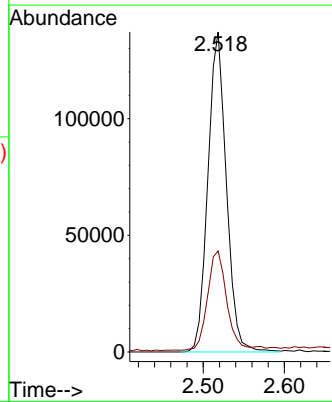
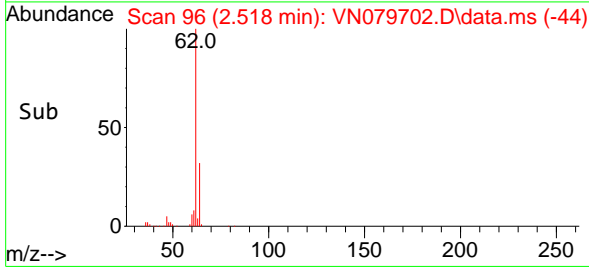
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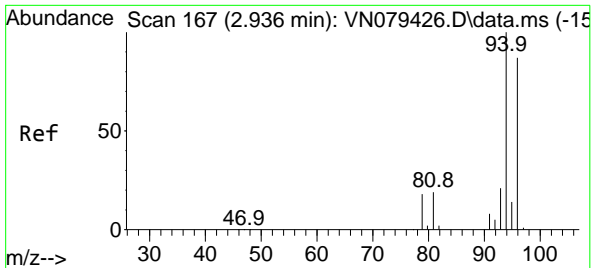


#4  
 Vinyl Chloride  
 Concen: 41.047 ug/l  
 RT: 2.518 min Scan# 96  
 Delta R.T. 0.006 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



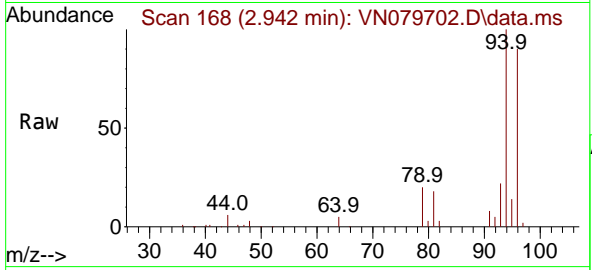
Tgt Ion: 62 Resp: 216371  
 Ion Ratio Lower Upper  
 62 100  
 64 31.0 26.2 39.2





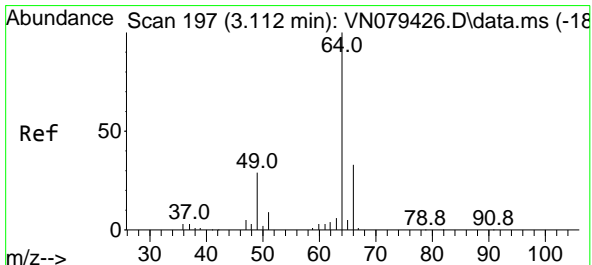
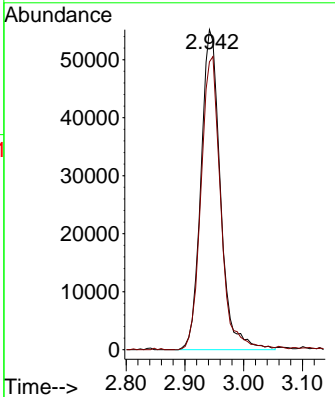
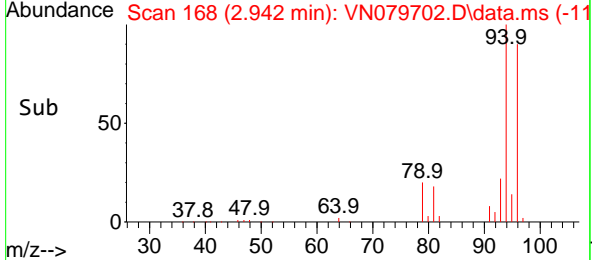
#5  
 Bromomethane  
 Concen: 40.161 ug/l  
 RT: 2.942 min Scan# 10  
 Delta R.T. 0.006 min  
 Lab File: VN079702.D  
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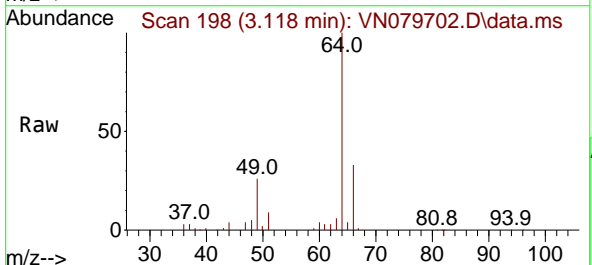


Tgt Ion: 94 Resp: 12673  
 Ion Ratio Lower Upper  
 94 100  
 96 90.0 73.1 109.7

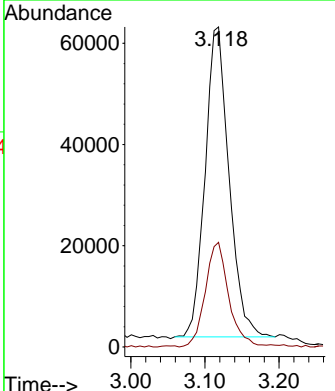
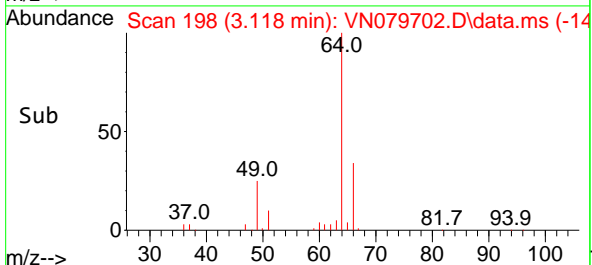
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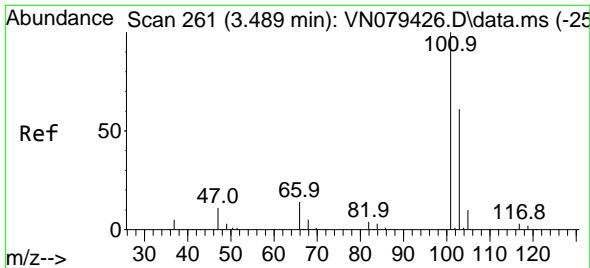


#6  
 Chloroethane  
 Concen: 34.523 ug/l  
 RT: 3.118 min Scan# 198  
 Delta R.T. 0.006 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



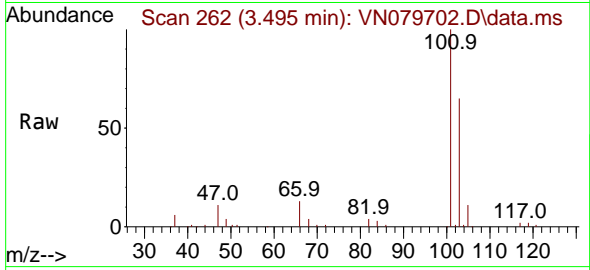
Tgt Ion: 64 Resp: 137196  
 Ion Ratio Lower Upper  
 64 100  
 66 33.4 25.4 38.2





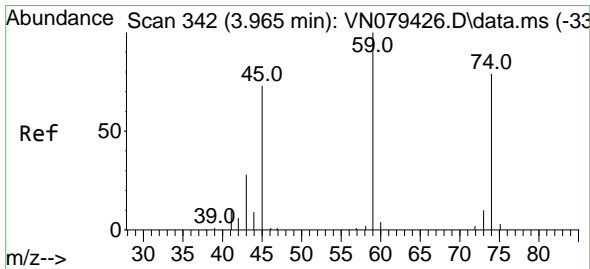
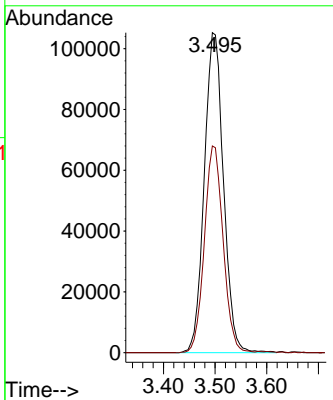
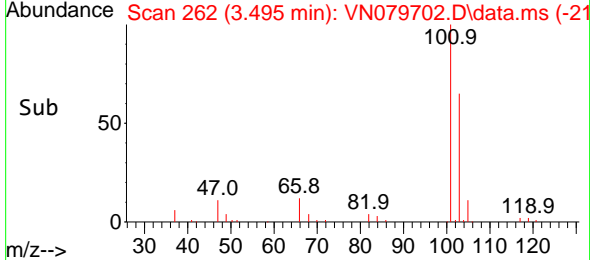
#7  
 Trichlorofluoromethane  
 Concen: 43.636 ug/l  
 RT: 3.495 min Scan# 261  
 Delta R.T. 0.006 min  
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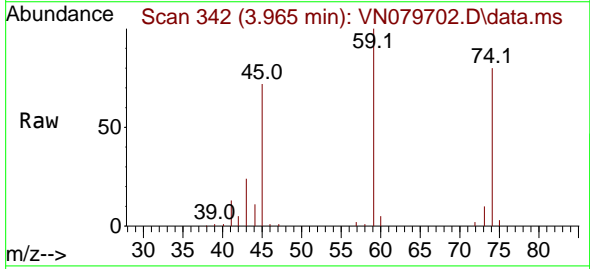


Tgt Ion: 101 Resp: 27158  
 Ion Ratio Lower Upper  
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 103 64.6 50.7 76.1

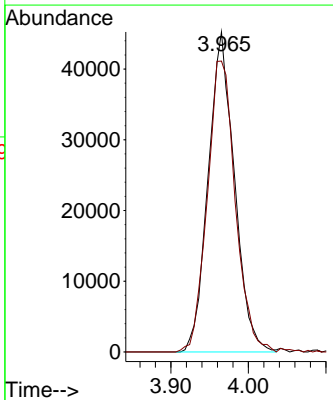
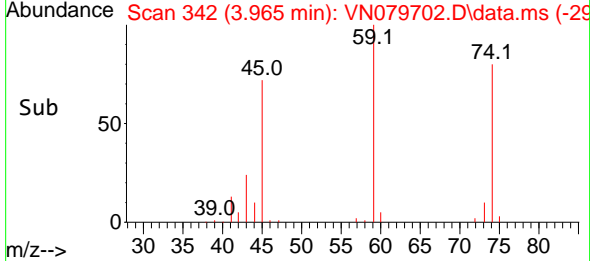
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 Reviewed By : John Carlone 10/27/2023  
 Supervised By : Mahesh Dadoda 10/27/2023



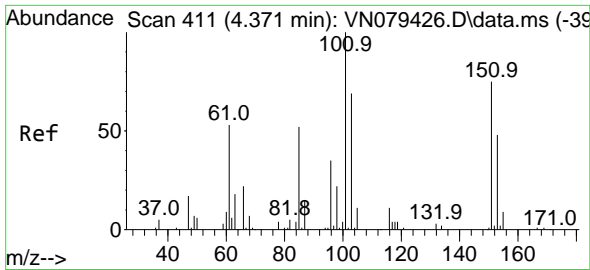
#8  
 Diethyl Ether  
 Concen: 48.090 ug/l  
 RT: 3.965 min Scan# 342  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 74 Resp: 106702  
 Ion Ratio Lower Upper  
 74 100  
 45 97.1 34.4 103.3

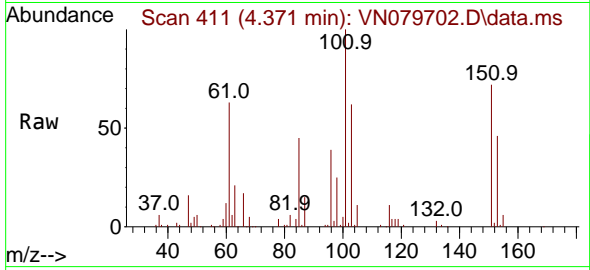






#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 43.431 ug/l  
 RT: 4.371 min Scan# 411  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

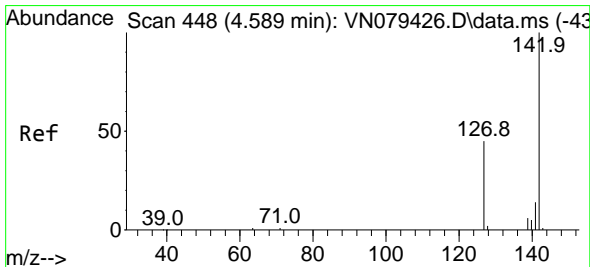
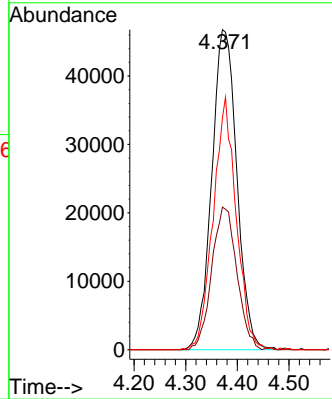
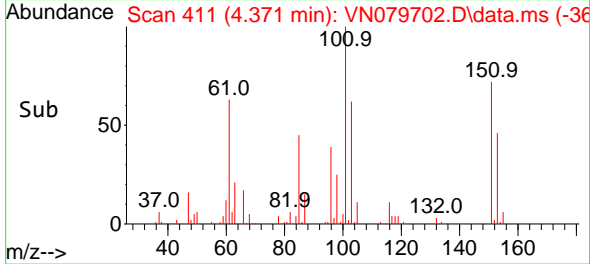
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC050EC



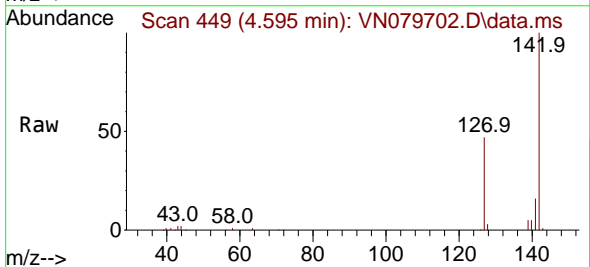
Tgt Ion:101 Resp: 15796  
 Ion Ratio Lower Upper  
 101 100  
 85 44.5 36.6 55.0  
 151 72.3 57.6 86.4

Manual Integrations  
**APPROVED**

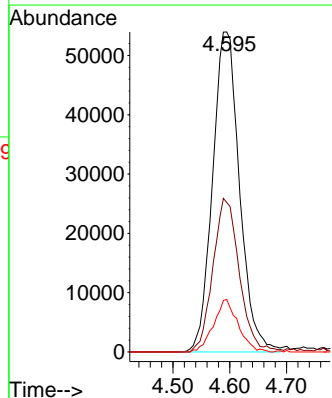
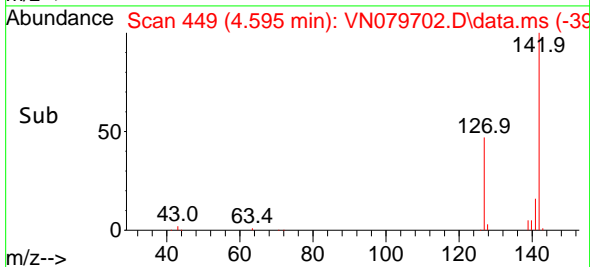
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

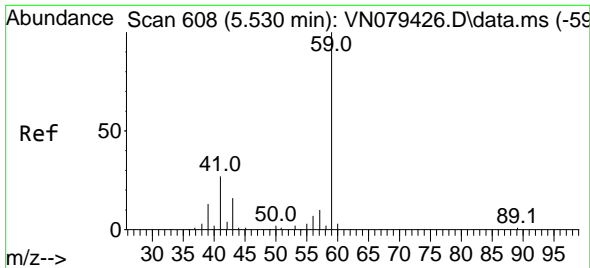


#10  
 Methyl Iodide  
 Concen: 56.391 ug/l  
 RT: 4.595 min Scan# 449  
 Delta R.T. 0.006 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



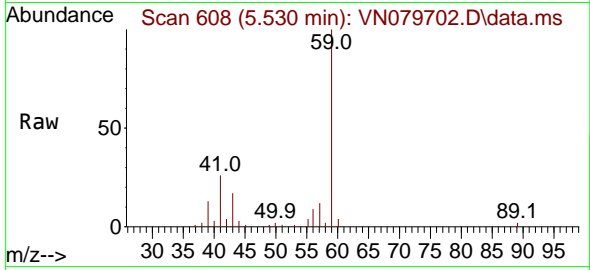
Tgt Ion:142 Resp: 177973  
 Ion Ratio Lower Upper  
 142 100  
 127 46.7 37.6 56.4  
 141 16.4 11.4 17.0





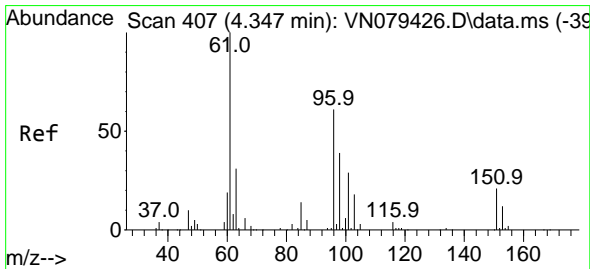
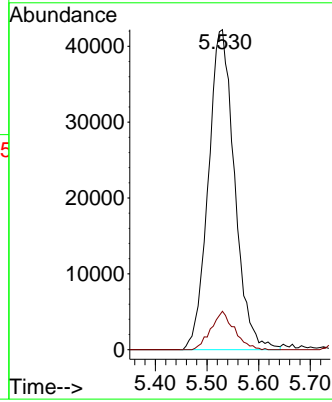
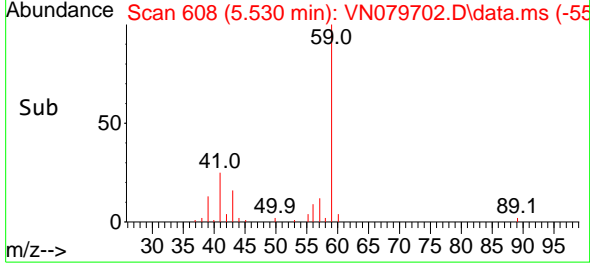
#11  
 Tert butyl alcohol  
 Concen: 214.935 ug/l  
 RT: 5.530 min Scan# 608  
 Delta R.T. -0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC

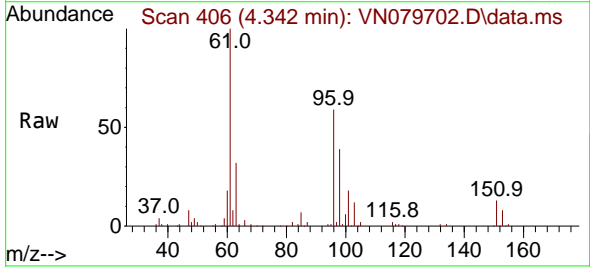


Tgt Ion: 59 Resp: 14866  
 Ion Ratio Lower Upper  
 59 100  
 57 10.7 8.2 12.4

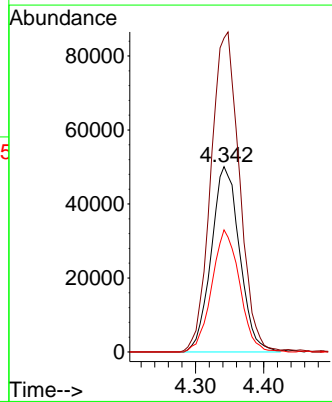
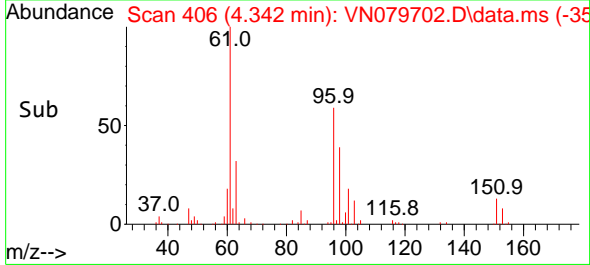
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

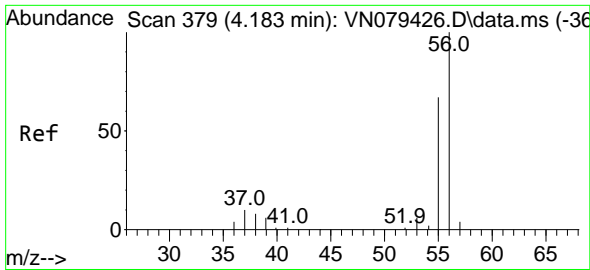


#12  
 1,1-Dichloroethene  
 Concen: 43.254 ug/l  
 RT: 4.342 min Scan# 406  
 Delta R.T. -0.006 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 96 Resp: 144848  
 Ion Ratio Lower Upper  
 96 100  
 61 169.4 112.7 169.1#  
 98 65.9 51.2 76.8





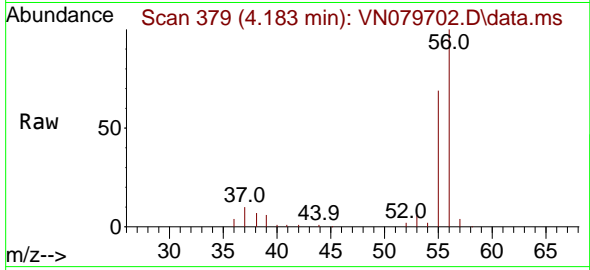
#13  
 Acrolein  
 Concen: 252.104 ug/l  
 RT: 4.183 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



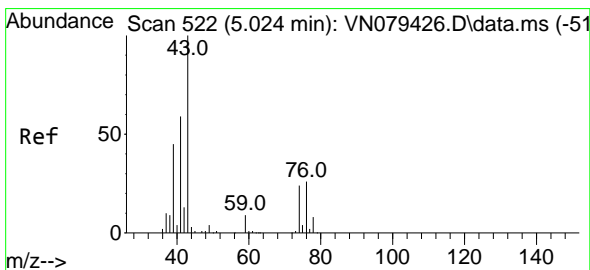
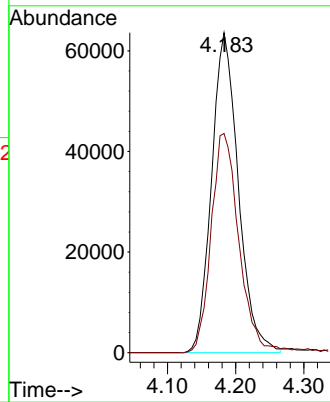
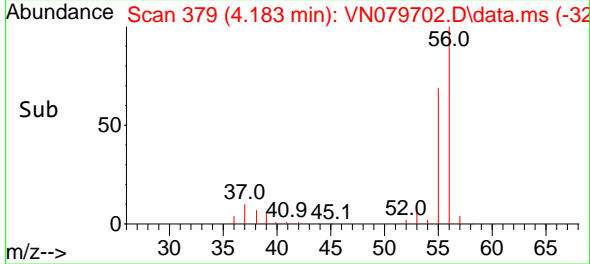
Tgt Ion: 56 Resp: 17363  
 Ion Ratio Lower Upper  
 56 100  
 55 71.1 54.5 81.7

Manual Integrations

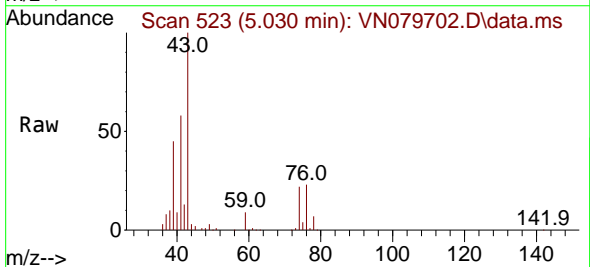
APPROVED

Reviewed By :John Carlone 10/27/2023

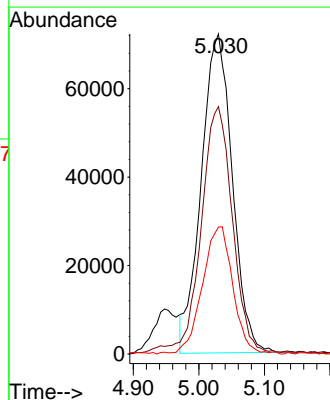
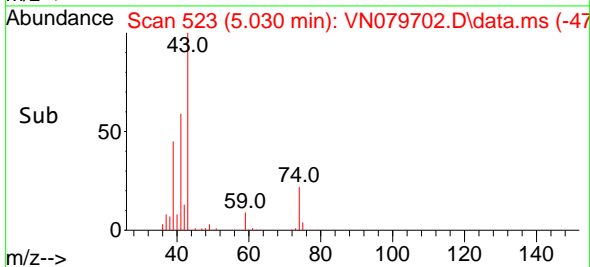
Supervised By :Mahesh Dadoda 10/27/2023

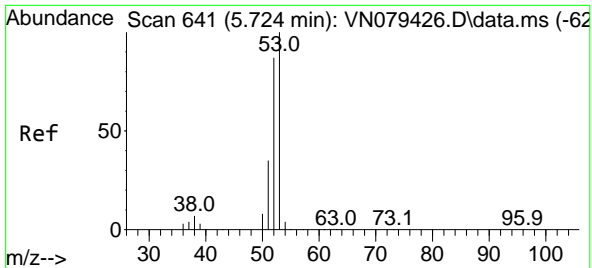


#14  
 Allyl chloride  
 Concen: 43.940 ug/l  
 RT: 5.030 min Scan# 523  
 Delta R.T. 0.006 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



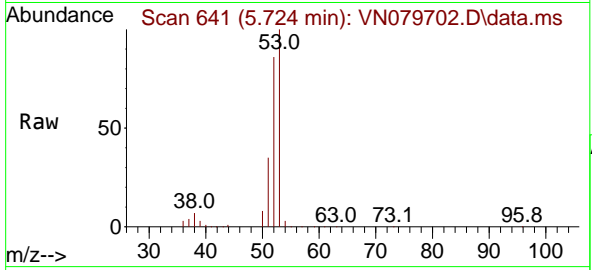
Tgt Ion: 41 Resp: 237461  
 Ion Ratio Lower Upper  
 41 100  
 39 79.0 58.8 88.2  
 76 39.1 39.1 58.7





#15  
 Acrylonitrile  
 Concen: 242.167 ug/l  
 RT: 5.724 min Scan# 641  
 Delta R.T. -0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

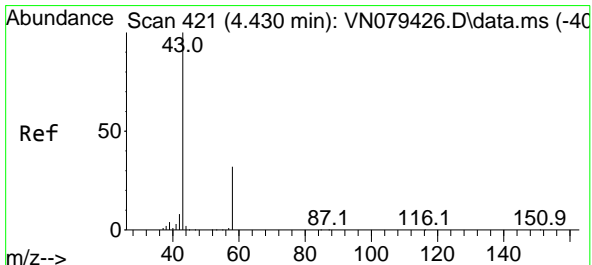
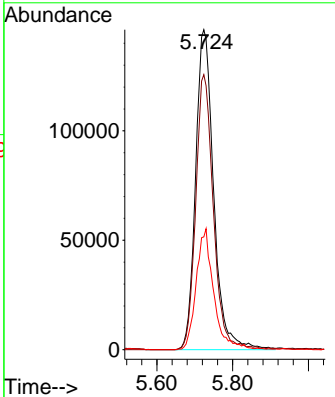
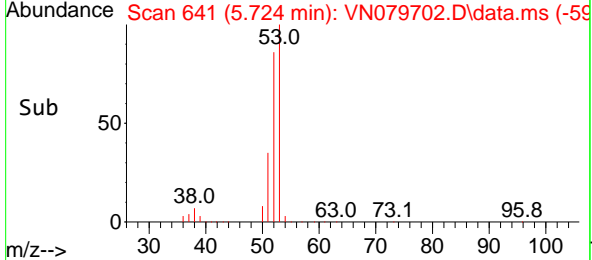
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



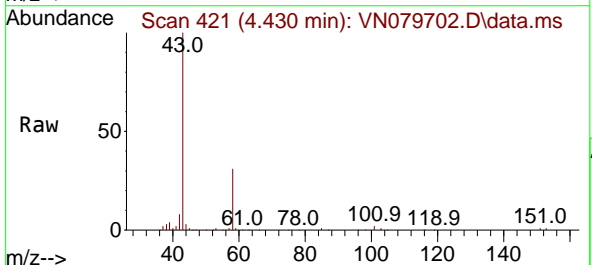
Tgt Ion: 53 Resp: 485619

Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.3	97.9
51	36.6	28.9	43.3

Manual Integrations  
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 Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

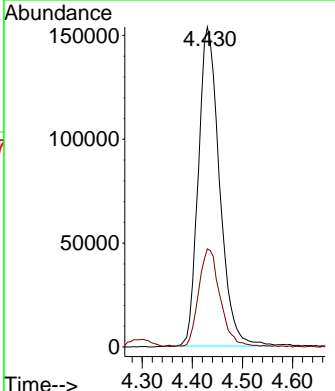
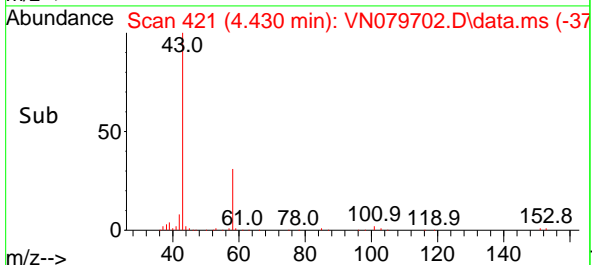


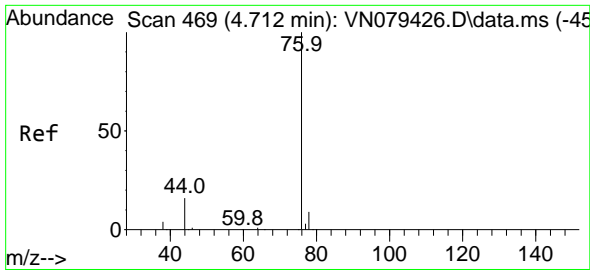
#16  
 Acetone  
 Concen: 247.283 ug/l  
 RT: 4.430 min Scan# 421  
 Delta R.T. -0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 43 Resp: 450748

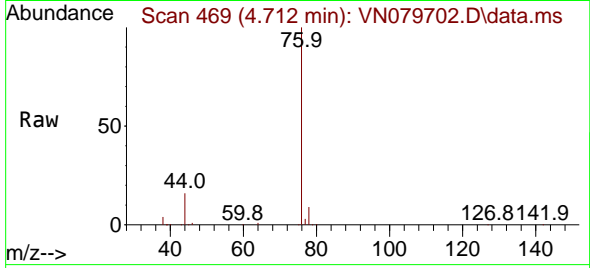
Ion	Ratio	Lower	Upper
43	100		
58	30.6	28.0	42.0





#17  
 Carbon Disulfide  
 Concen: 35.449 ug/l  
 RT: 4.712 min Scan# 40  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

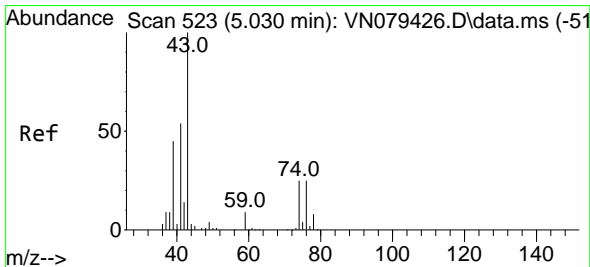
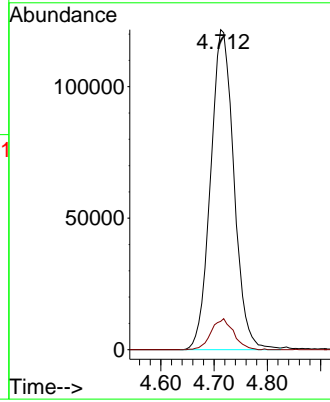
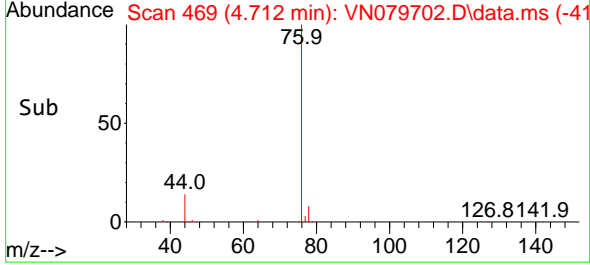
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



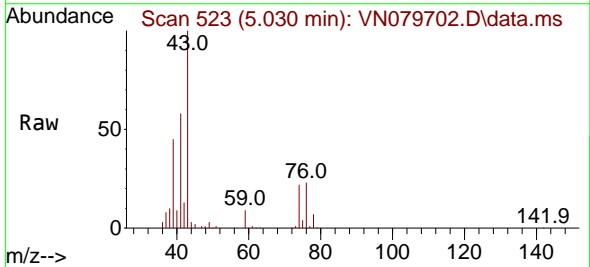
Tgt Ion: 76 Resp: 37029  
 Ion Ratio Lower Upper  
 76 100  
 78 8.8 7.4 11.0

Manual Integrations  
**APPROVED**

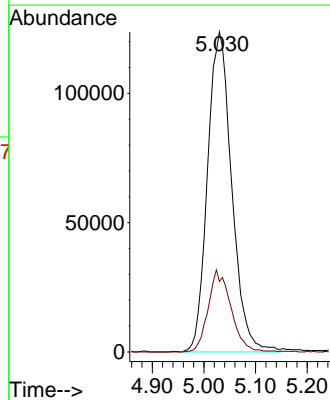
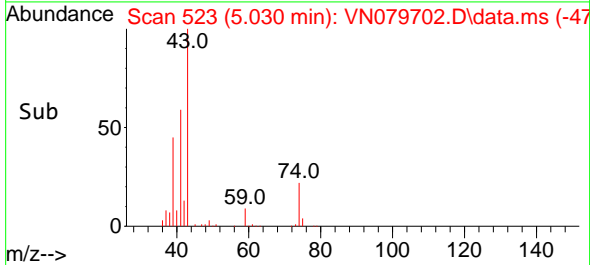
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

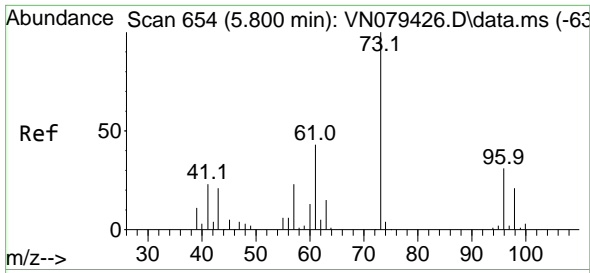


#18  
 Methyl Acetate  
 Concen: 45.197 ug/l  
 RT: 5.030 min Scan# 523  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



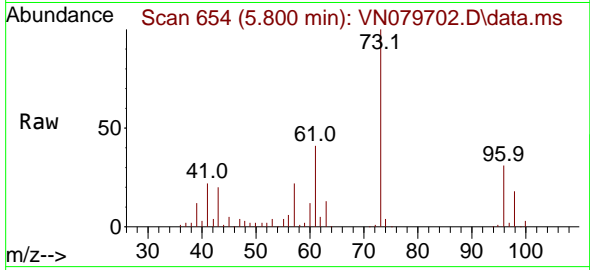
Tgt Ion: 43 Resp: 403234  
 Ion Ratio Lower Upper  
 43 100  
 74 24.1 26.2 39.4#





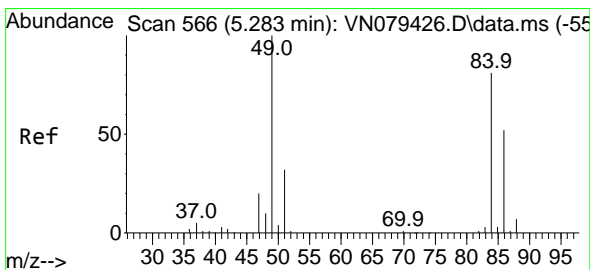
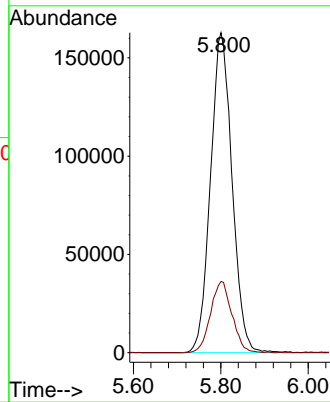
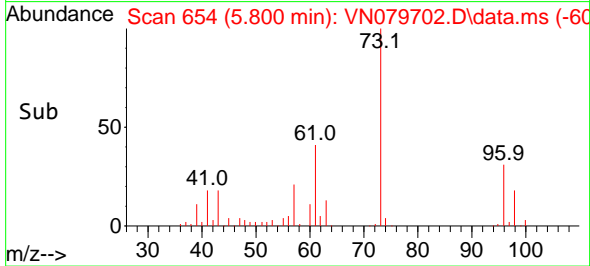
#19  
 Methyl tert-butyl Ether  
 Concen: 51.181 ug/l  
 RT: 5.800 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument : MSVOA\_N  
 ClientSampleId : VSTDC050EC

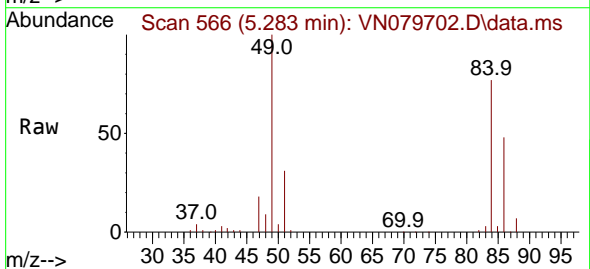


Tgt Ion: 73 Resp: 556890  
 Ion Ratio Lower Upper  
 73 100  
 57 22.2 15.6 23.4

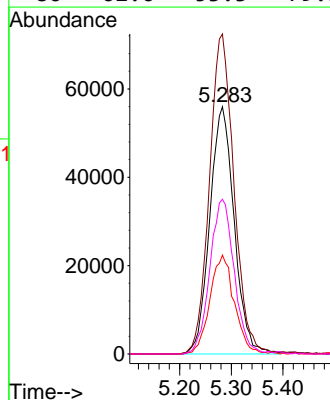
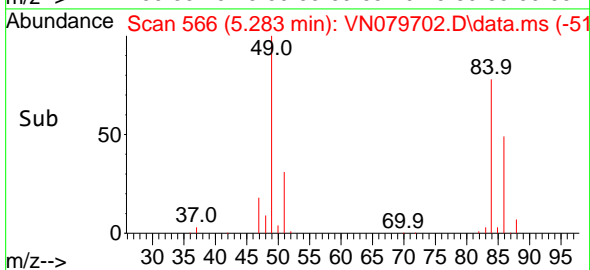
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

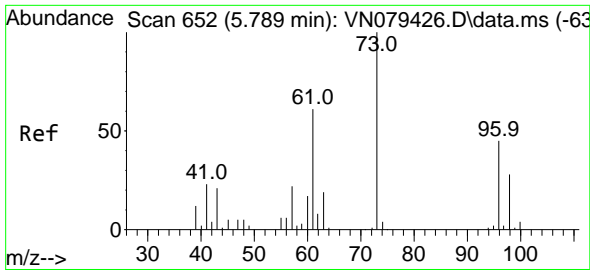


#20  
 Methylene Chloride  
 Concen: 45.999 ug/l  
 RT: 5.283 min Scan# 566  
 Delta R.T. -0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 84 Resp: 183803  
 Ion Ratio Lower Upper  
 84 100  
 49 129.4 79.7 119.5#  
 51 40.0 25.2 37.8#  
 86 62.6 53.3 79.9





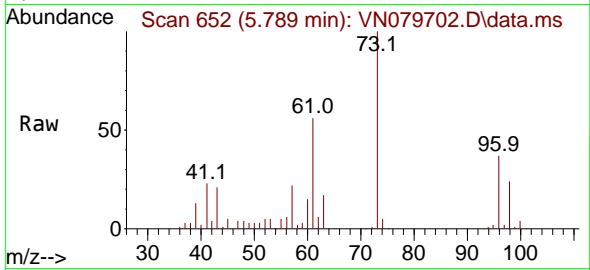
#21  
 trans-1,2-Dichloroethene  
 Concen: 41.795 ug/l  
 RT: 5.789 min Scan# 652  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



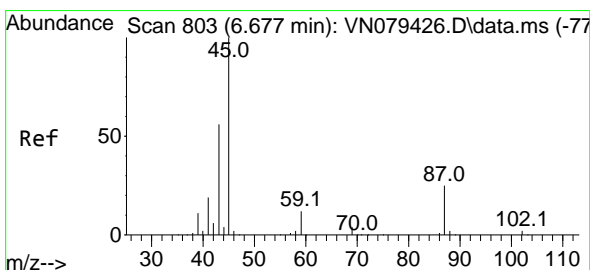
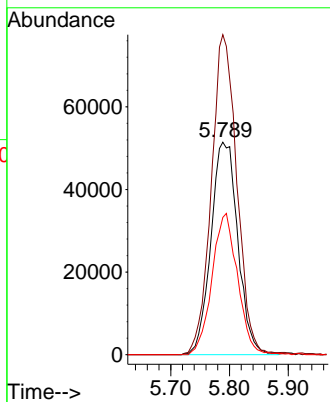
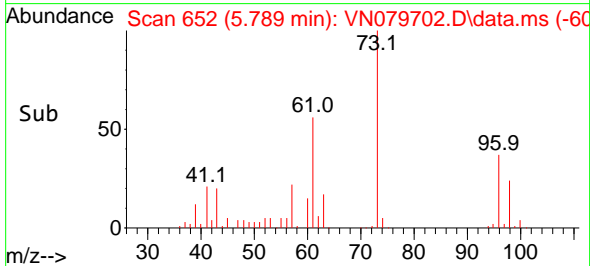
Tgt Ion: 96 Resp: 16347  
 Ion Ratio Lower Upper  
 96 100  
 61 150.6 90.1 135.1  
 98 64.6 46.4 69.6

Manual Integrations

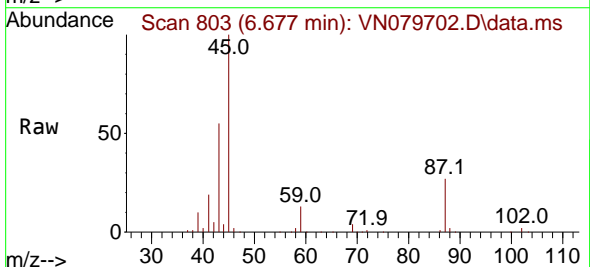
APPROVED

Reviewed By :John Carlone 10/27/2023

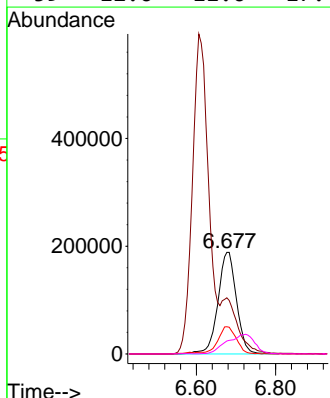
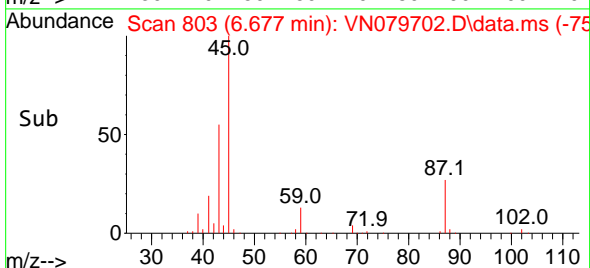
Supervised By :Mahesh Dadoda 10/27/2023

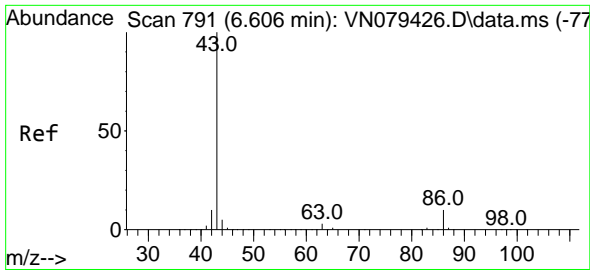


#22  
 Diisopropyl ether  
 Concen: 50.572 ug/l  
 RT: 6.677 min Scan# 803  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 45 Resp: 612841  
 Ion Ratio Lower Upper  
 45 100  
 43 54.8 45.5 68.3  
 87 26.8 31.8 47.8#  
 59 12.6 11.6 17.4





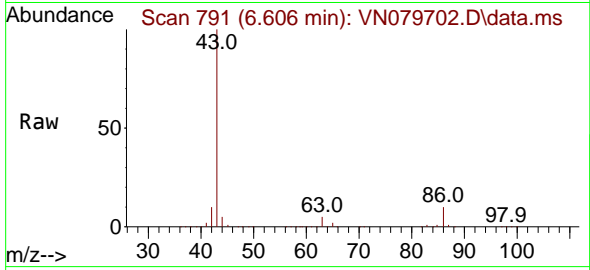
#23  
 Vinyl Acetate  
 Concen: 248.428 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

Client Sample Id :

VSTDCCC050EC



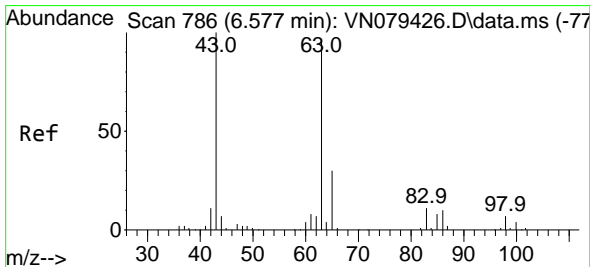
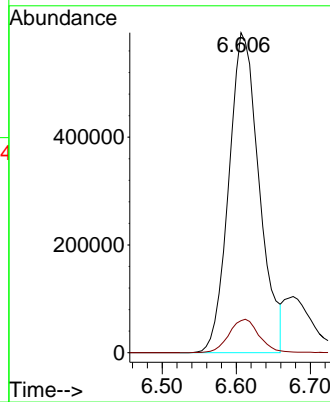
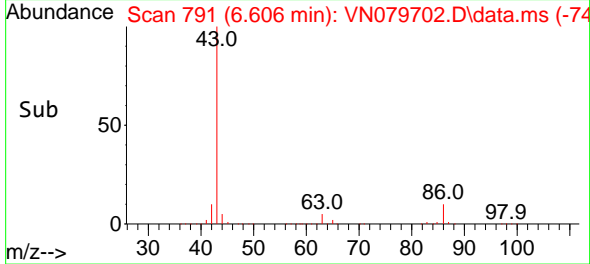
Tgt Ion: 43 Resp: 169338  
 Ion Ratio Lower Upper  
 43 100  
 86 10.0 13.0 19.6

Manual Integrations

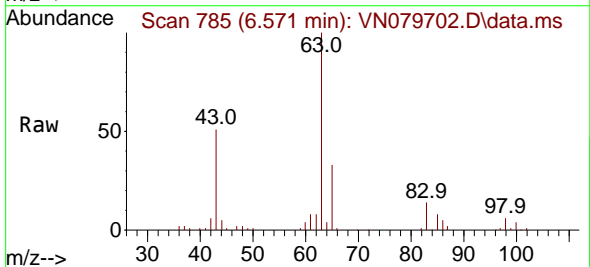
APPROVED

Reviewed By :John Carlone 10/27/2023

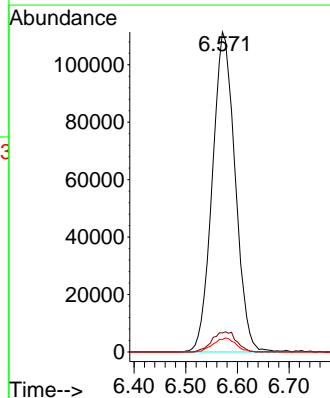
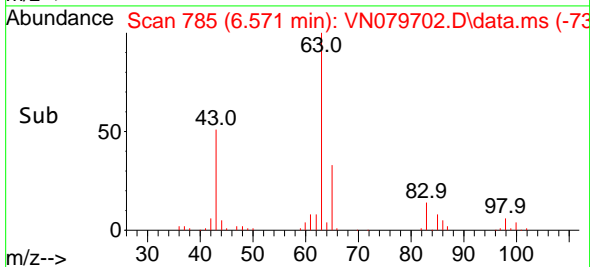
Supervised By :Mahesh Dadoda 10/27/2023



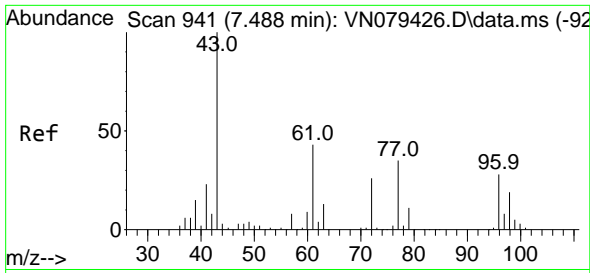
#24  
 1,1-Dichloroethane  
 Concen: 46.042 ug/l  
 RT: 6.571 min Scan# 785  
 Delta R.T. -0.006 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 63 Resp: 341468  
 Ion Ratio Lower Upper  
 63 100  
 98 5.9 3.9 11.7  
 100 3.9 2.5 7.4

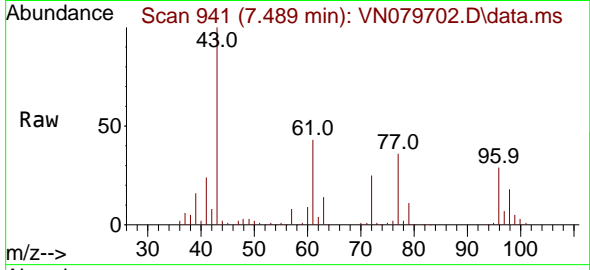






#25  
 2-Butanone  
 Concen: 250.849 ug/l  
 RT: 7.489 min Scan# 941  
 Delta R.T. 0.001 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

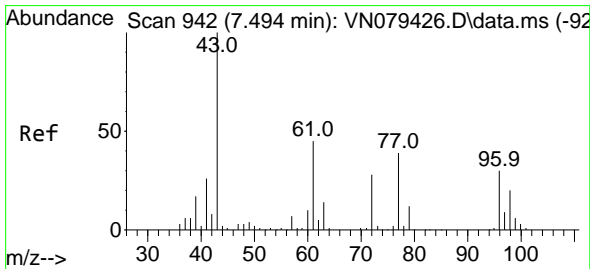
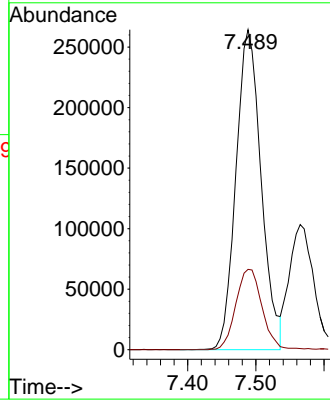
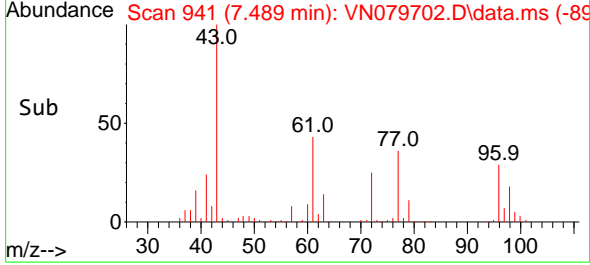
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC



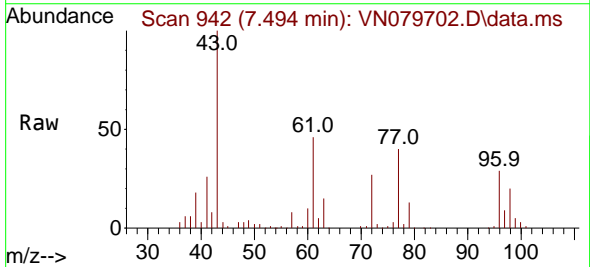
Tgt Ion: 43 Resp: 67865  
 Ion Ratio Lower Upper  
 43 100  
 72 25.1 30.2 45.2

Manual Integrations  
 APPROVED

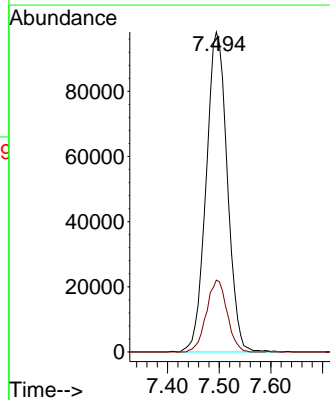
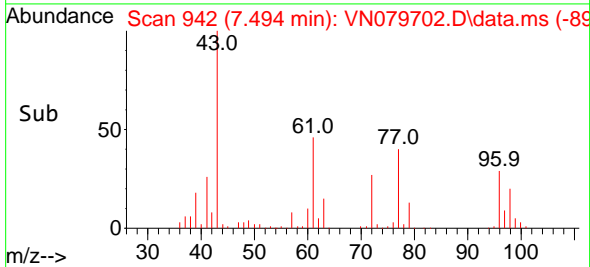
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

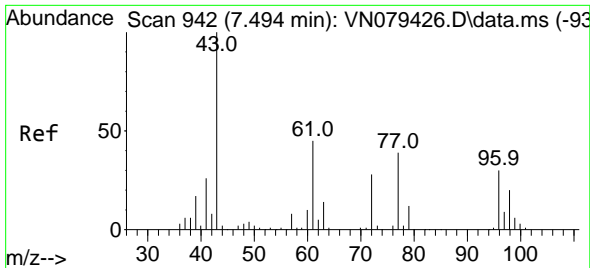


#26  
 2,2-Dichloropropane  
 Concen: 49.275 ug/l  
 RT: 7.494 min Scan# 942  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 77 Resp: 279282  
 Ion Ratio Lower Upper  
 77 100  
 97 21.9 11.2 33.6





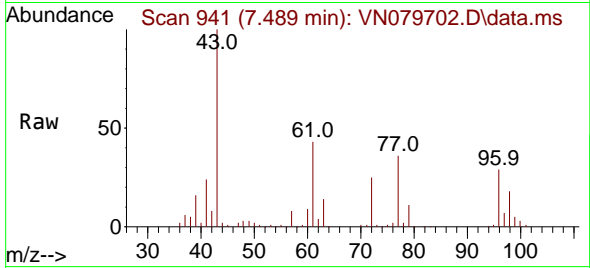
#27  
 cis-1,2-Dichloroethene  
 Concen: 47.443 ug/l  
 RT: 7.489 min Scan# 941  
 Delta R.T. -0.006 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



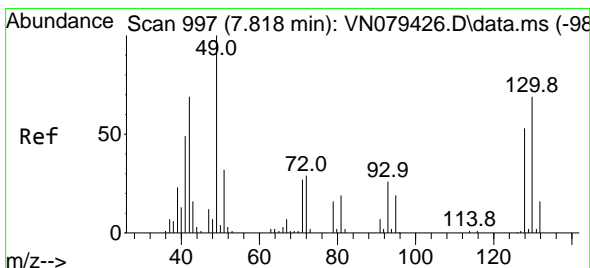
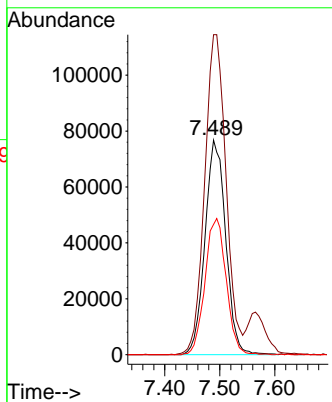
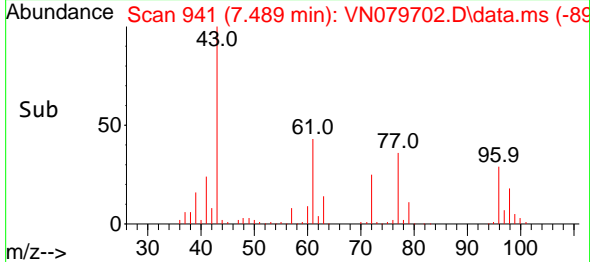
Tgt Ion: 96 Resp: 201590  
 Ion Ratio Lower Upper  
 96 100  
 61 153.3 0.0 255.2  
 98 64.8 0.0 128.8

Manual Integrations

APPROVED

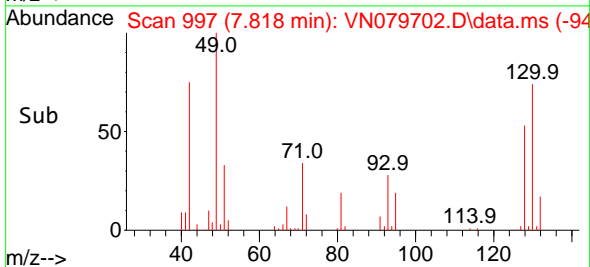
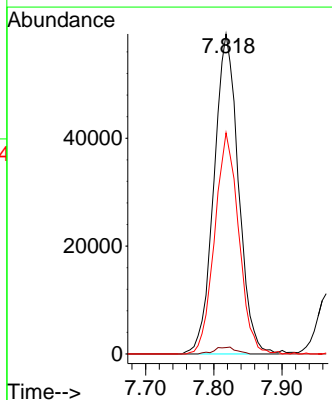
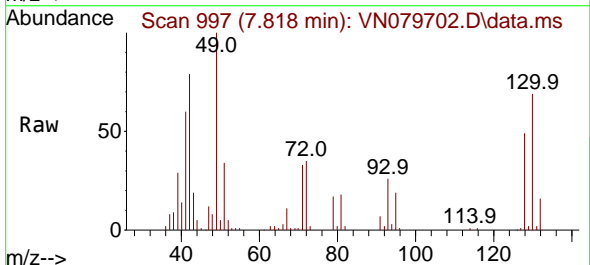
Reviewed By :John Carlone 10/27/2023

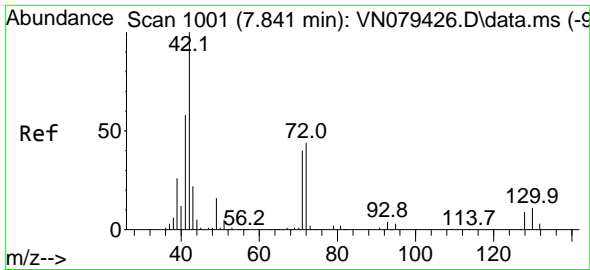
Supervised By :Mahesh Dadoda 10/27/2023



#28  
 Bromochloromethane  
 Concen: 42.054 ug/l  
 RT: 7.818 min Scan# 997  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

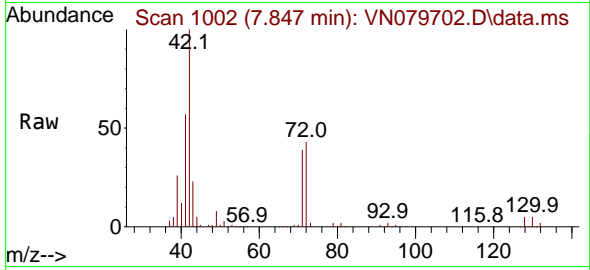
Tgt Ion: 49 Resp: 148398  
 Ion Ratio Lower Upper  
 49 100  
 129 1.9 0.0 4.8  
 130 67.8 75.3 112.9#





#29  
 Tetrahydrofuran  
 Concen: 250.555 ug/l  
 RT: 7.847 min Scan# 1002  
 Delta R.T. 0.006 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

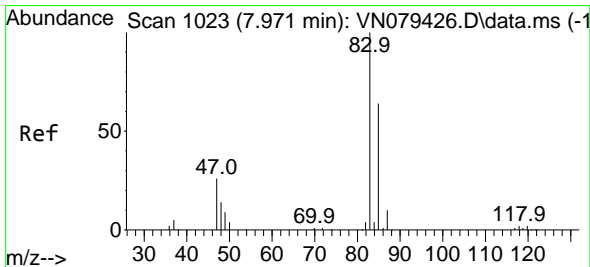
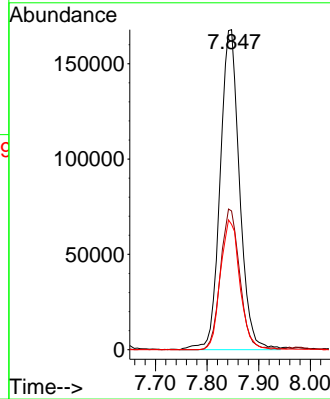
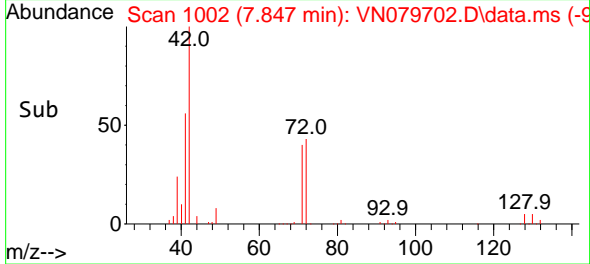
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



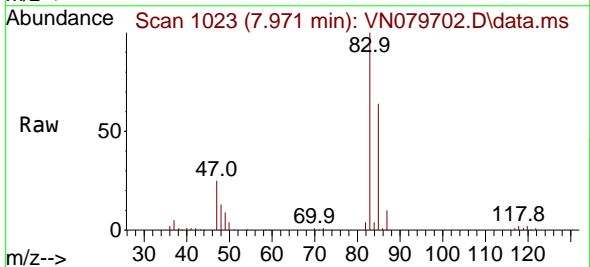
Tgt Ion: 42 Resp: 43840  
 Ion Ratio Lower Upper  
 42 100  
 72 43.6 49.8 74.6  
 71 40.8 47.4 71.2

Manual Integrations  
**APPROVED**

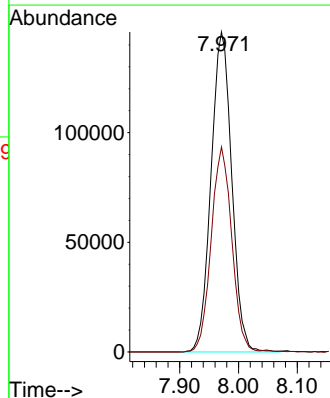
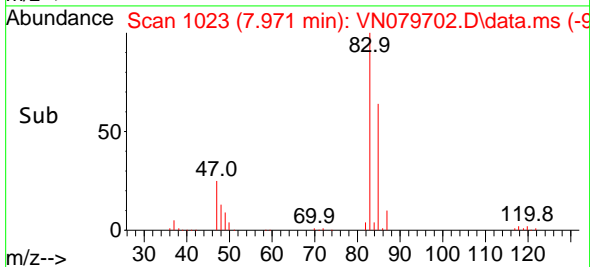
Reviewed By : John Carlone 10/27/2023  
 Supervised By : Mahesh Dadoda 10/27/2023

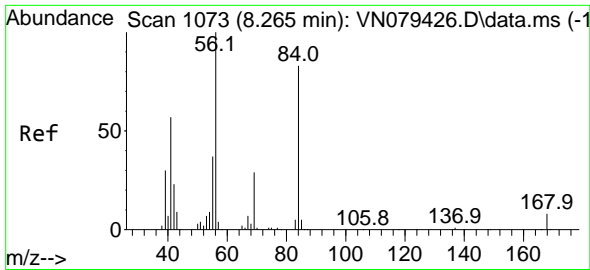


#30  
 Chloroform  
 Concen: 47.684 ug/l  
 RT: 7.971 min Scan# 1023  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



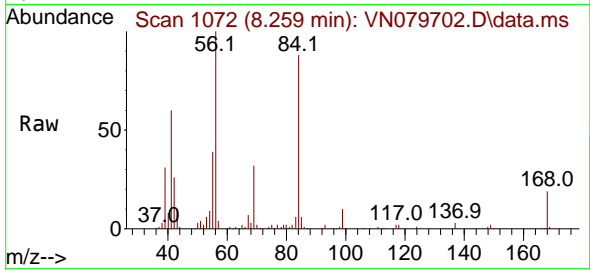
Tgt Ion: 83 Resp: 357314  
 Ion Ratio Lower Upper  
 83 100  
 85 64.1 55.4 83.0





#31  
 Cyclohexane  
 Concen: 40.525 ug/l  
 RT: 8.259 min Scan# 1072  
 Delta R.T. -0.006 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

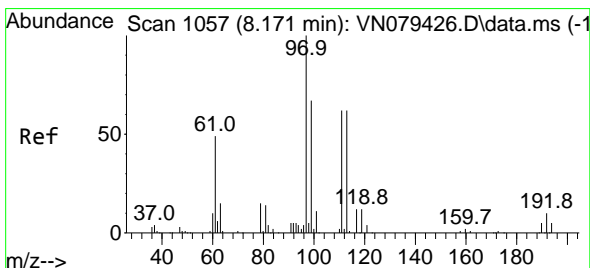
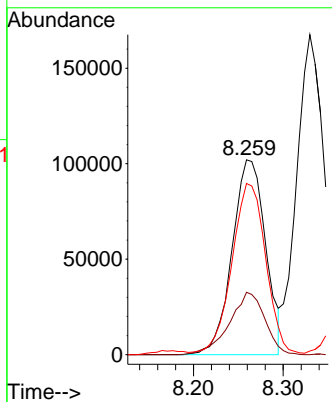
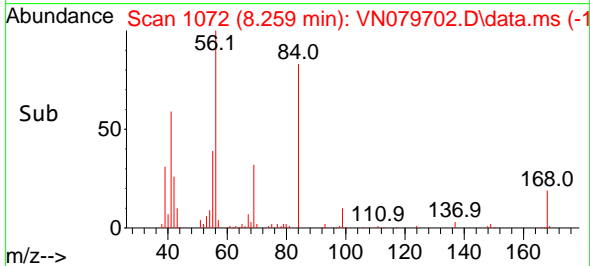
**Instrument :**  
 MSVOA\_N  
**ClientSampleId :**  
 VSTDCCC050EC



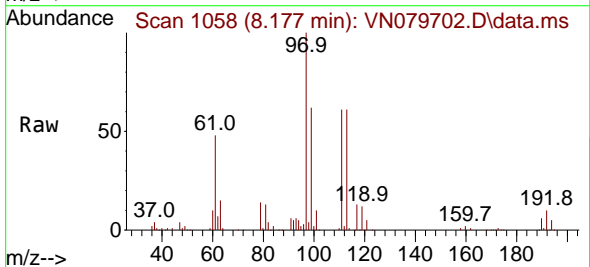
Tgt Ion: 56 Resp: 26417  
 Ion Ratio Lower Upper  
 56 100  
 69 32.0 26.8 40.2  
 84 86.2 81.8 122.6

**Manual Integrations**  
**APPROVED**

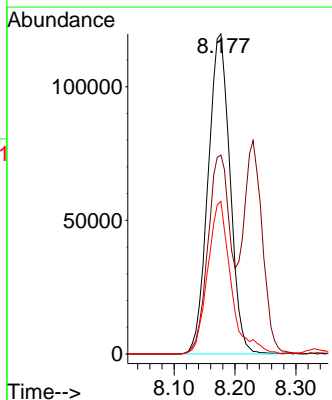
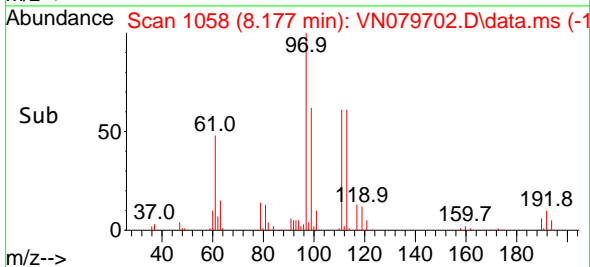
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

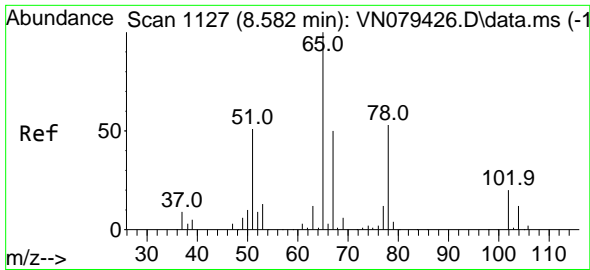


#32  
 1,1,1-Trichloroethane  
 Concen: 47.514 ug/l  
 RT: 8.177 min Scan# 1058  
 Delta R.T. 0.006 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



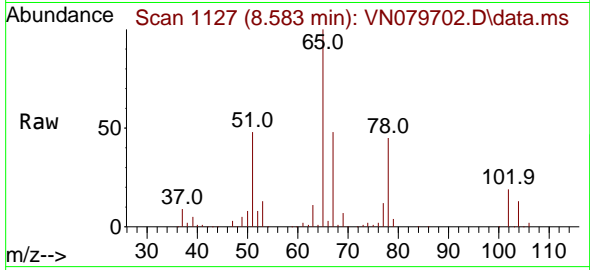
Tgt Ion: 97 Resp: 299628  
 Ion Ratio Lower Upper  
 97 100  
 99 63.0 50.3 75.5  
 61 50.6 34.7 52.1





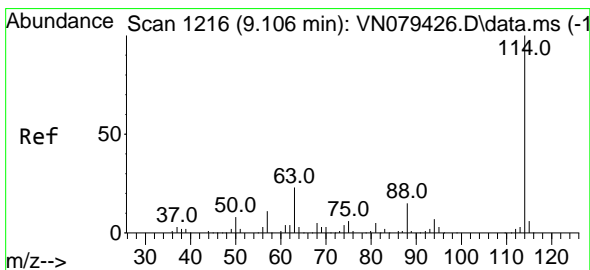
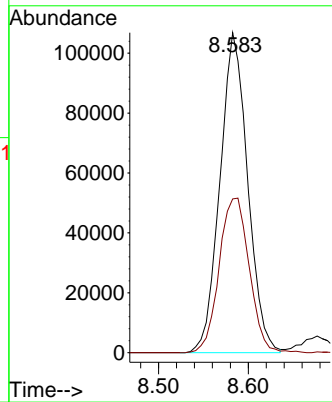
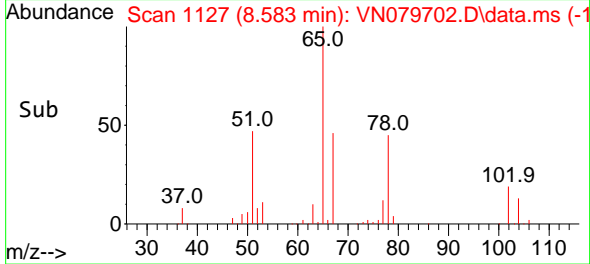
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.862 ug/l  
 RT: 8.583 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC050EC

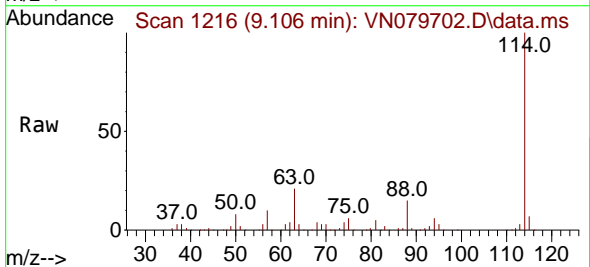


Tgt Ion: 65 Resp: 229150  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 106.6

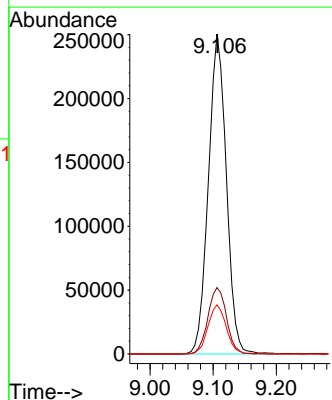
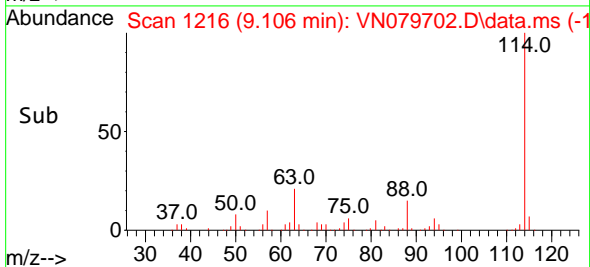
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

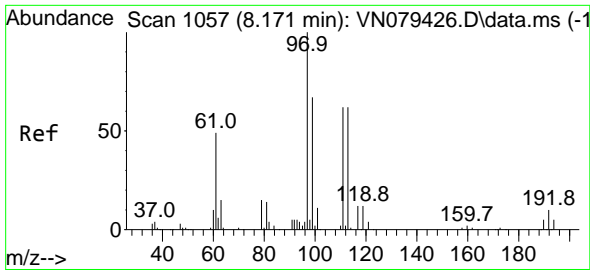


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.106 min Scan# 1216  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion:114 Resp: 495375  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 36.4  
 88 15.4 0.0 30.6





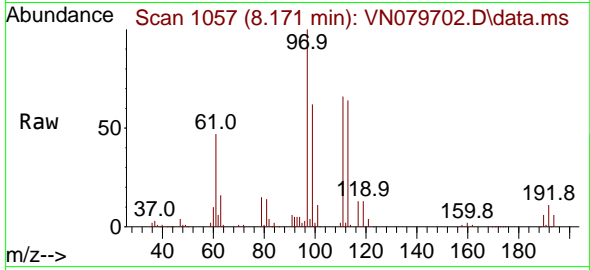
#35  
 Dibromofluoromethane  
 Concen: 50.919 ug/l  
 RT: 8.171 min Scan# 1057  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



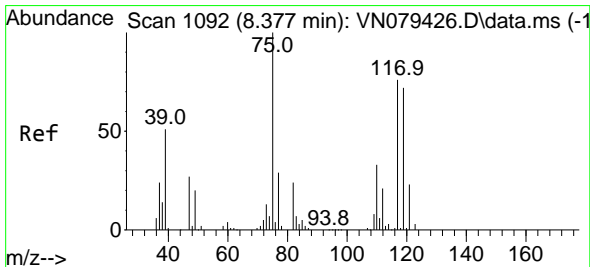
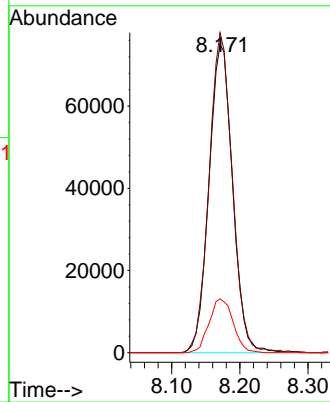
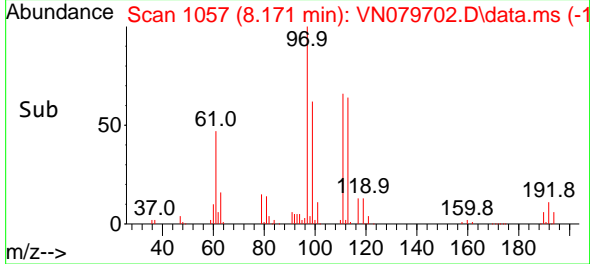
Tgt Ion:113 Resp: 181269  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 82.6 123.8  
 192 17.8 12.7 19.1

Manual Integrations

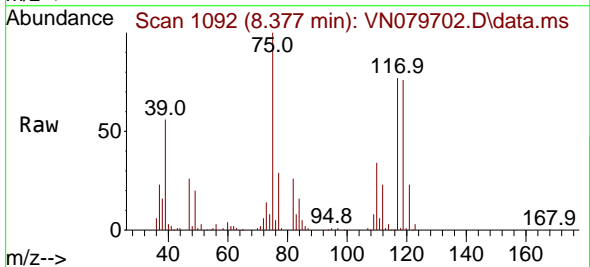
APPROVED

Reviewed By :John Carlone 10/27/2023

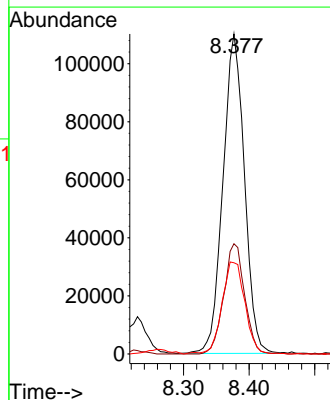
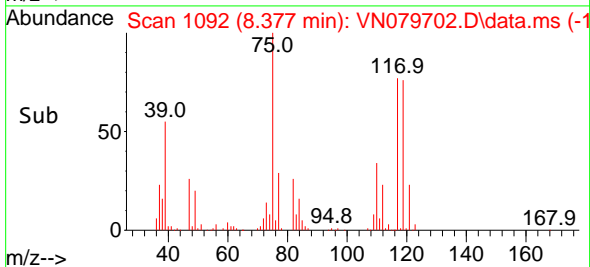
Supervised By :Mahesh Dadoda 10/27/2023

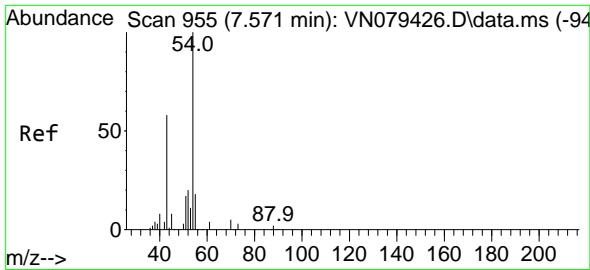


#36  
 1,1-Dichloropropene  
 Concen: 46.738 ug/l  
 RT: 8.377 min Scan# 1092  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 75 Resp: 249721  
 Ion Ratio Lower Upper  
 75 100  
 110 33.7 19.1 57.3  
 77 30.7 25.0 37.4





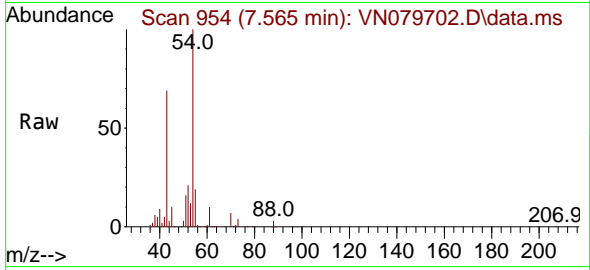
#37  
 Ethyl Acetate  
 Concen: 49.409 ug/l  
 RT: 7.565 min Scan# 910  
 Delta R.T. -0.006 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

Client SampleId :

VSTDCCC050EC



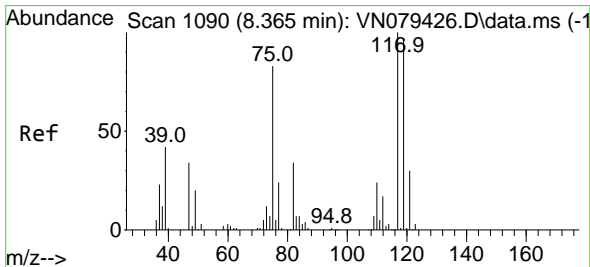
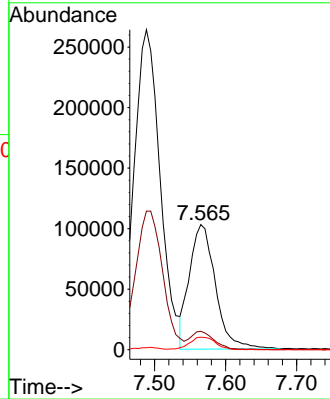
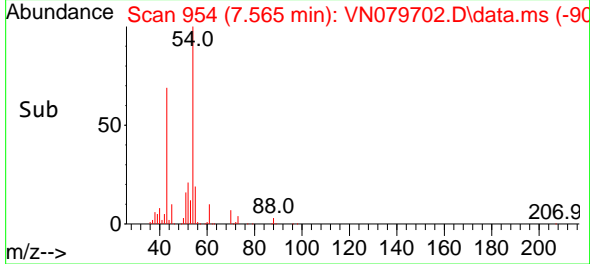
Tgt Ion: 43 Resp: 26268  
 Ion Ratio Lower Upper  
 43 100  
 61 13.6 13.2 19.8  
 70 10.0 11.3 16.9

Manual Integrations

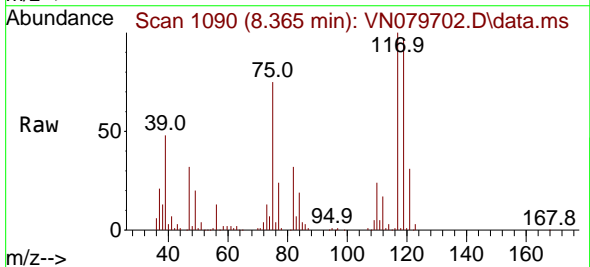
APPROVED

Reviewed By :John Carlone 10/27/2023

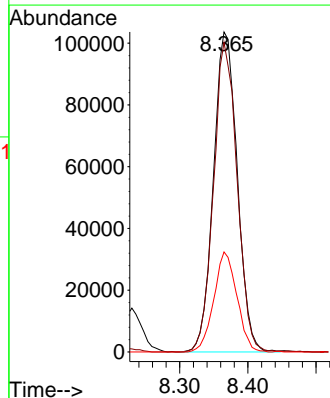
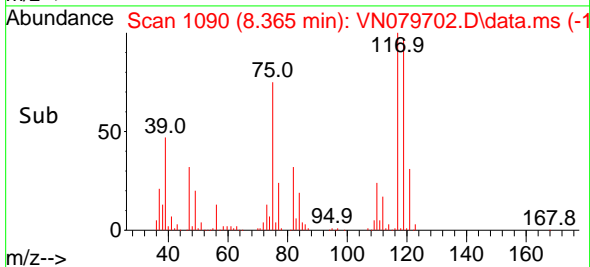
Supervised By :Mahesh Dadoda 10/27/2023

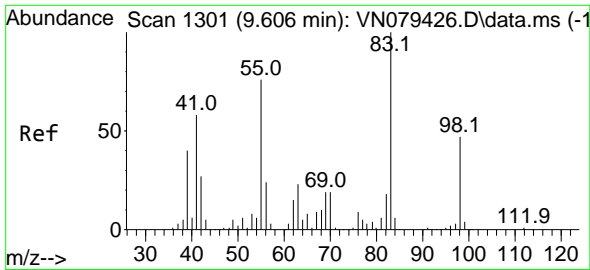


#38  
 Carbon Tetrachloride  
 Concen: 47.165 ug/l  
 RT: 8.365 min Scan# 1090  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion:117 Resp: 252280  
 Ion Ratio Lower Upper  
 117 100  
 119 96.7 77.3 115.9  
 121 31.3 23.3 34.9





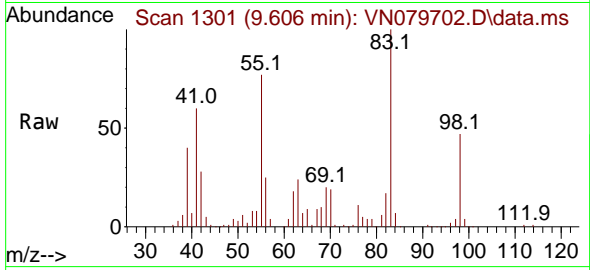
#39  
 Methylcyclohexane  
 Concen: 48.179 ug/l  
 RT: 9.606 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



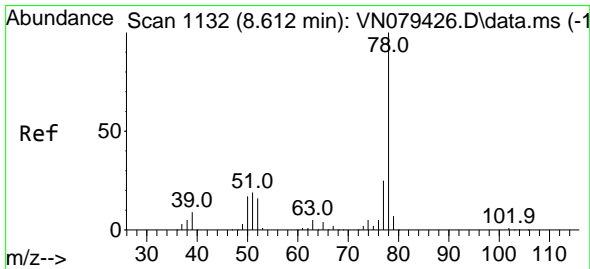
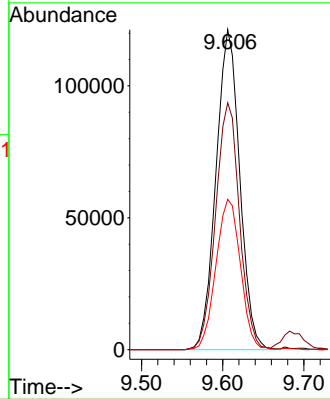
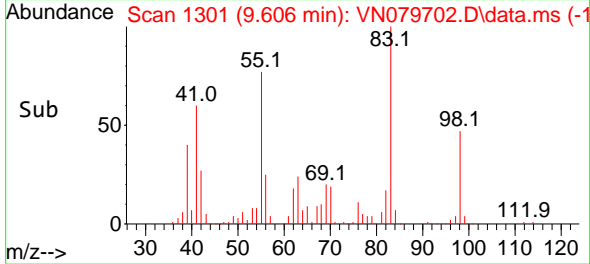
Tgt Ion: 83 Resp: 247318  
 Ion Ratio Lower Upper  
 83 100  
 55 77.1 49.1 73.7  
 98 47.0 40.6 61.0

Manual Integrations

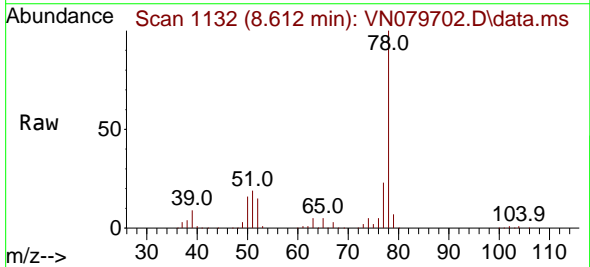
APPROVED

Reviewed By :John Carlone 10/27/2023

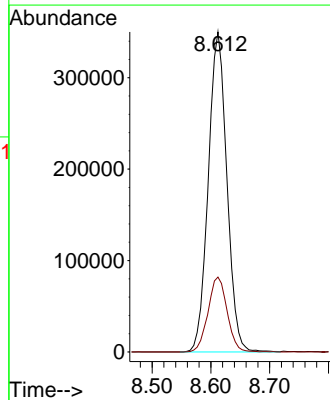
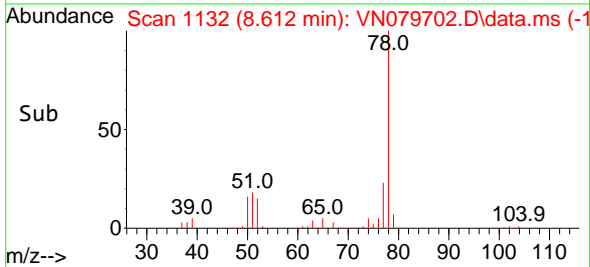
Supervised By :Mahesh Dadoda 10/27/2023



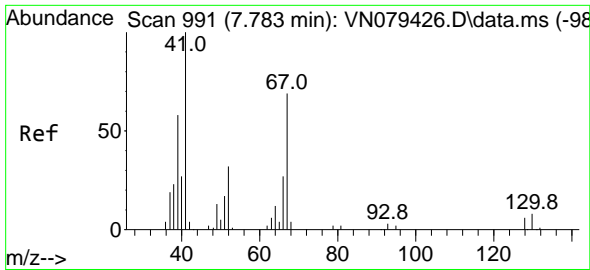
#40  
 Benzene  
 Concen: 48.428 ug/l  
 RT: 8.612 min Scan# 1132  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 78 Resp: 768448  
 Ion Ratio Lower Upper  
 78 100  
 77 23.4 19.0 28.6

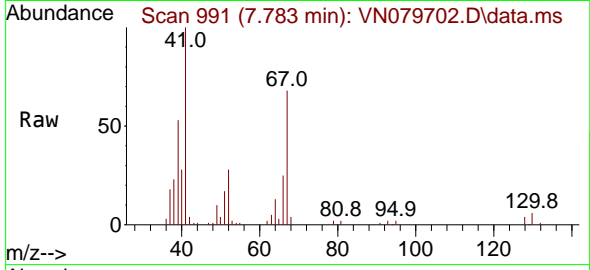






#41  
 Methacrylonitrile  
 Concen: 49.473 ug/l  
 RT: 7.783 min Scan# 991  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

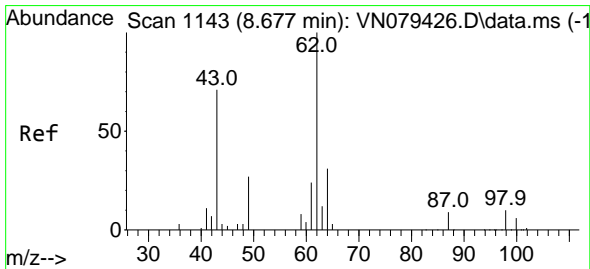
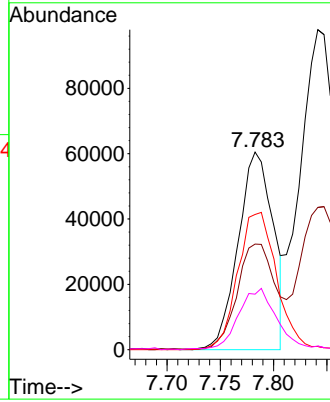
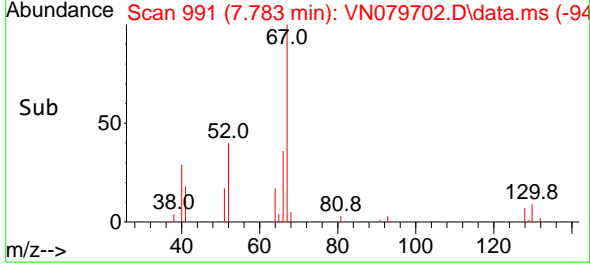
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



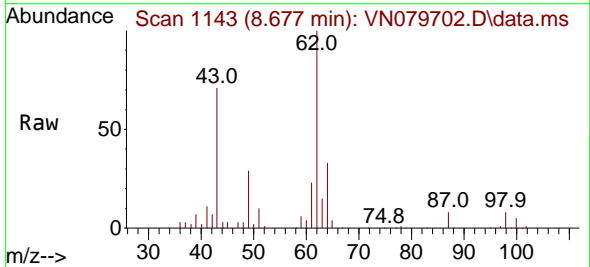
Tgt Ion: 41 Resp: 13827  
 Ion Ratio Lower Upper  
 41 100  
 39 59.7 42.6 64.0  
 67 77.6 77.5 116.3  
 52 34.5 28.9 43.3

Manual Integrations  
**APPROVED**

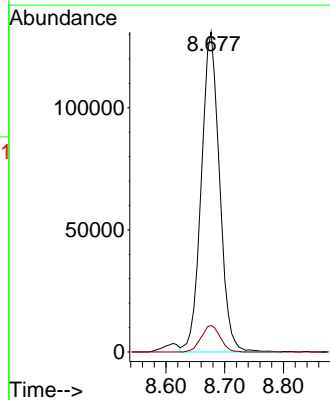
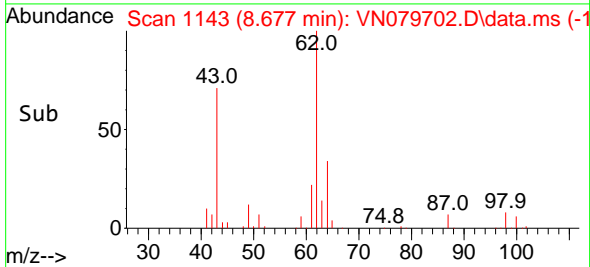
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

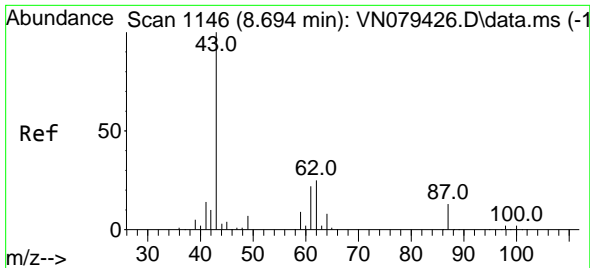


#42  
 1,2-Dichloroethane  
 Concen: 48.879 ug/l  
 RT: 8.677 min Scan# 1143  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 62 Resp: 281822  
 Ion Ratio Lower Upper  
 62 100  
 98 8.7 0.0 19.8





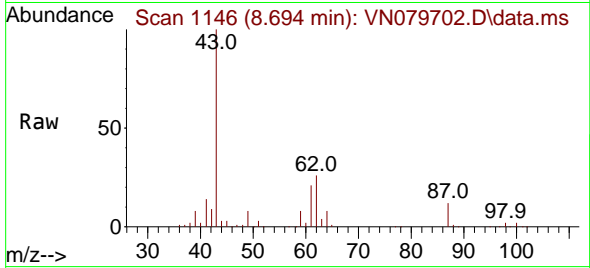
#43  
 Isopropyl Acetate  
 Concen: 47.608 ug/l  
 RT: 8.694 min Scan# 1146  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



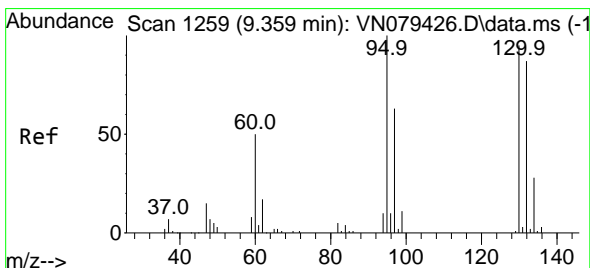
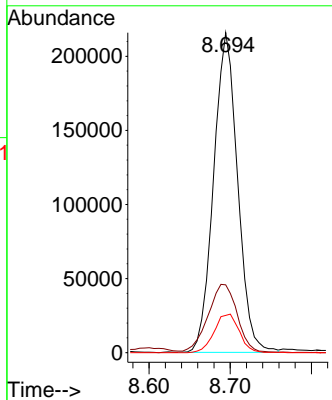
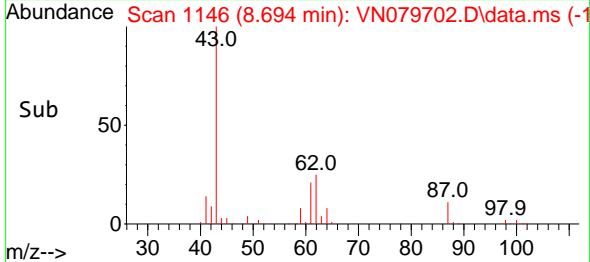
Tgt Ion: 43 Resp: 44343  
 Ion Ratio Lower Upper  
 43 100  
 61 25.9 24.7 37.1  
 87 12.6 14.6 21.8

Manual Integrations

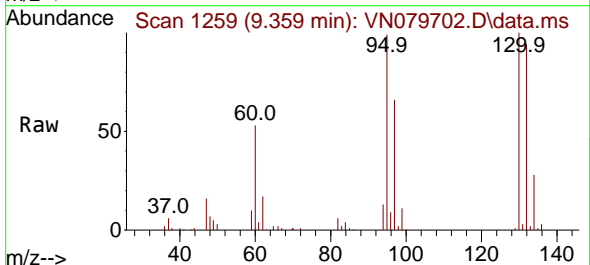
APPROVED

Reviewed By :John Carlone 10/27/2023

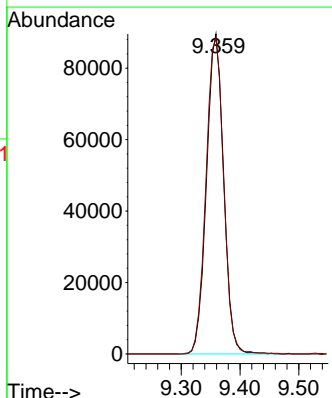
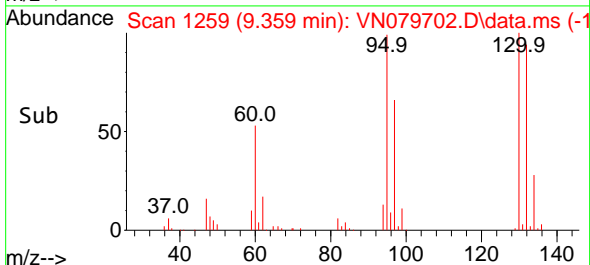
Supervised By :Mahesh Dadoda 10/27/2023

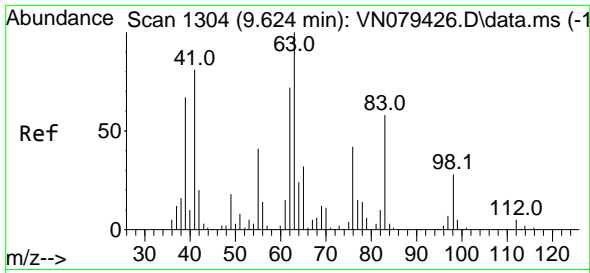


#44  
 Trichloroethene  
 Concen: 48.501 ug/l  
 RT: 9.359 min Scan# 1259  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



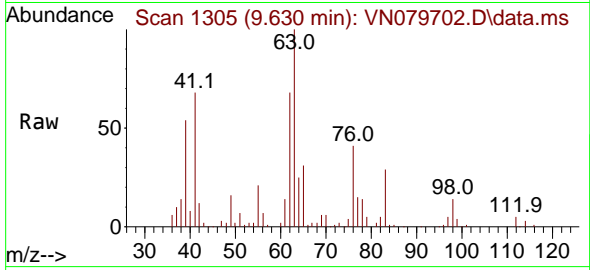
Tgt Ion:130 Resp: 181137  
 Ion Ratio Lower Upper  
 130 100  
 95 98.6 0.0 204.6





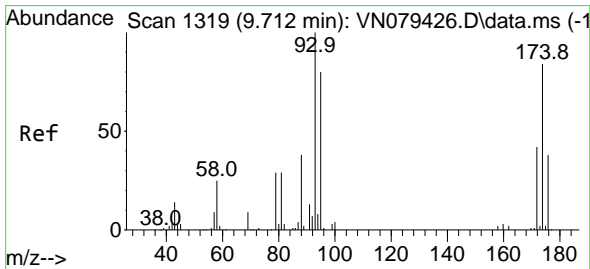
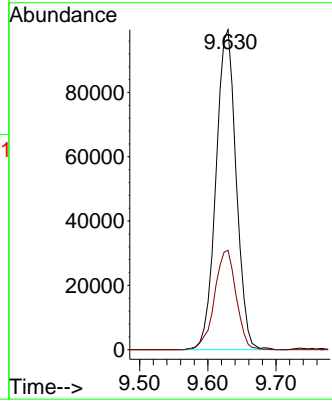
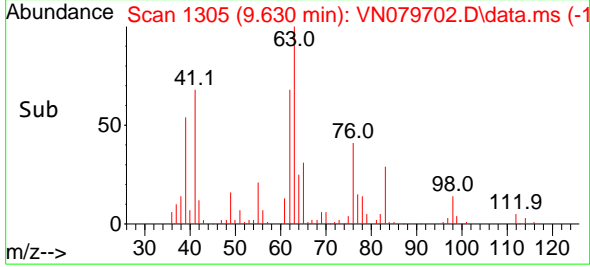
#45  
 1,2-Dichloropropane  
 Concen: 49.093 ug/l  
 RT: 9.630 min Scan# 1305  
 Delta R.T. 0.006 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument : MSVOA\_N  
 ClientSampleId : VSTDC050EC

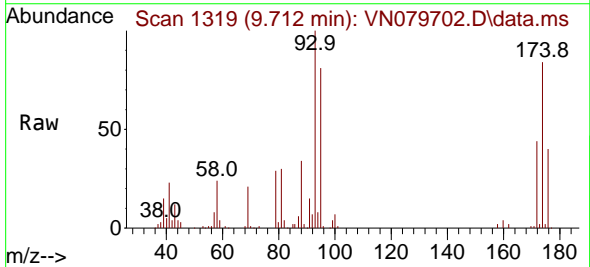


Tgt Ion: 63 Resp: 20524  
 Ion Ratio Lower Upper  
 63 100  
 65 31.1 23.9 35.9

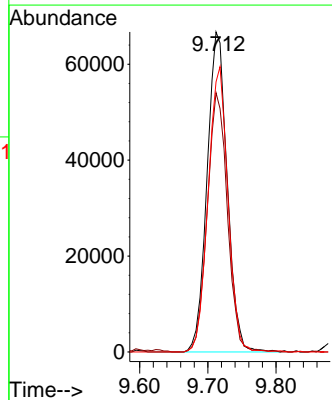
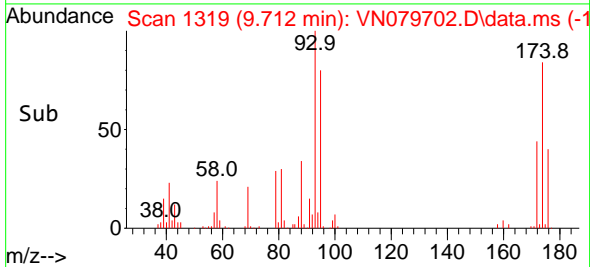
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

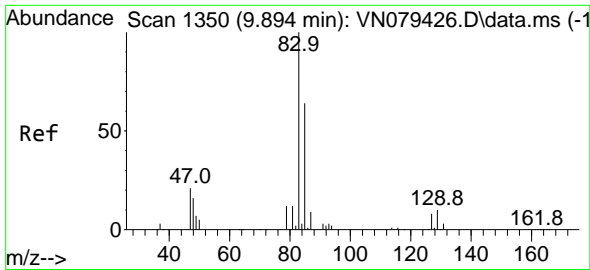


#46  
 Dibromomethane  
 Concen: 50.587 ug/l  
 RT: 9.712 min Scan# 1319  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



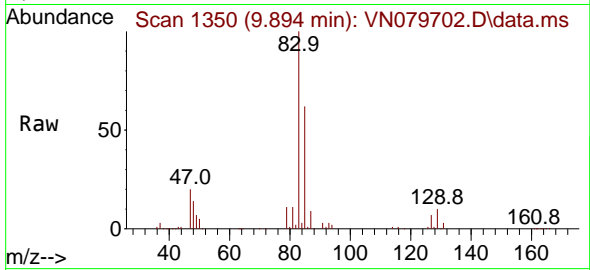
Tgt Ion: 93 Resp: 136975  
 Ion Ratio Lower Upper  
 93 100  
 95 81.0 63.8 95.8  
 174 87.8 65.6 98.4





#47  
 Bromodichloromethane  
 Concen: 50.786 ug/l  
 RT: 9.894 min Scan# 1350  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC

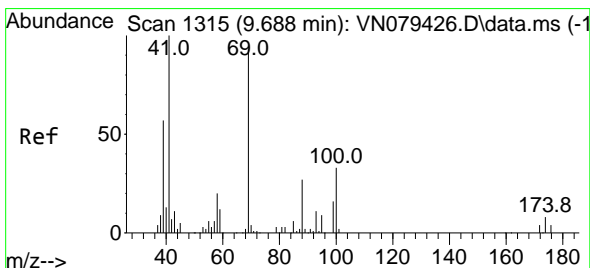
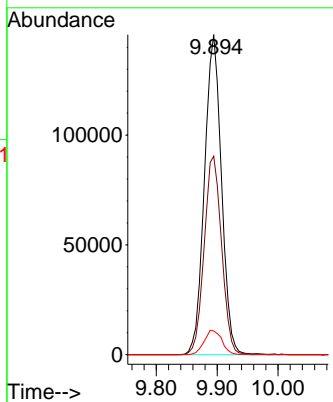
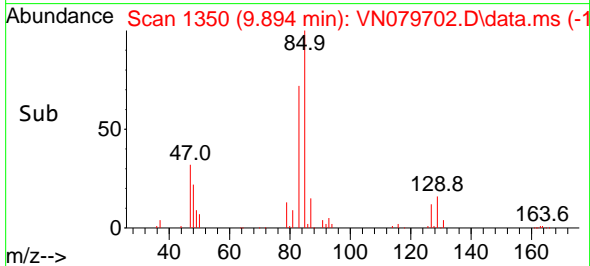


Tgt Ion: 83 Resp: 282871

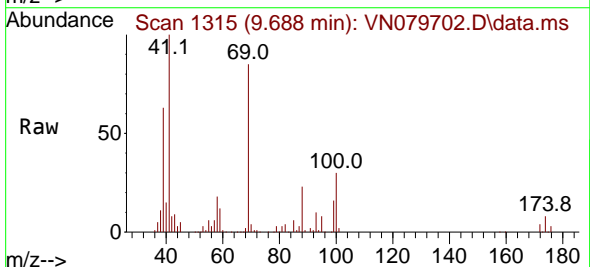
Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.6	74.4
127	7.4	7.0	10.6

Manual Integrations  
**APPROVED**

Reviewed By : John Carlone 10/27/2023  
 Supervised By : Mahesh Dadoda 10/27/2023

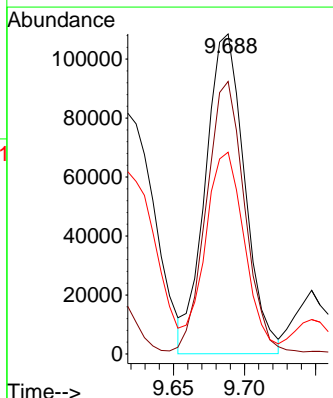
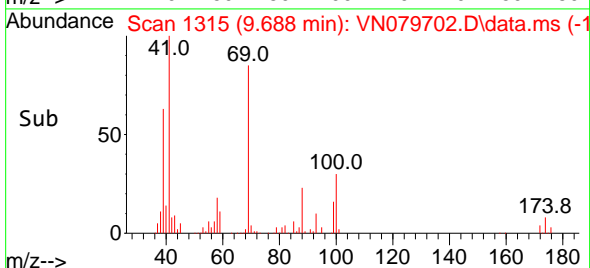


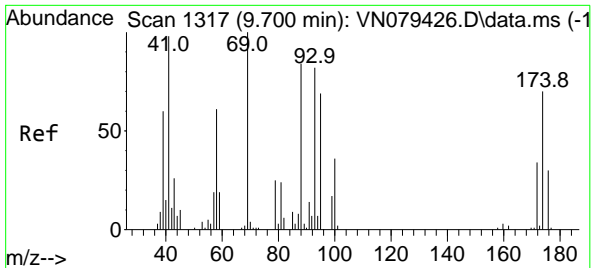
#48  
 Methyl methacrylate  
 Concen: 52.332 ug/l  
 RT: 9.688 min Scan# 1315  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 41 Resp: 208871

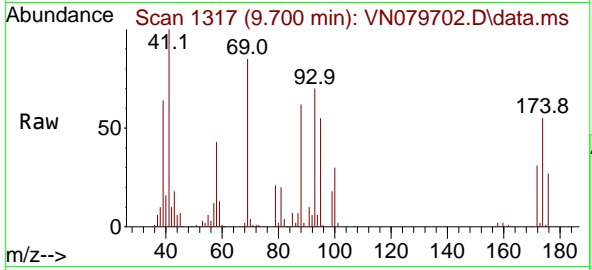
Ion	Ratio	Lower	Upper
41	100		
69	83.4	90.4	135.6
39	63.8	54.6	81.8





#49  
 1,4-Dioxane  
 Concen: 999.155 ug/l  
 RT: 9.700 min Scan# 1317  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

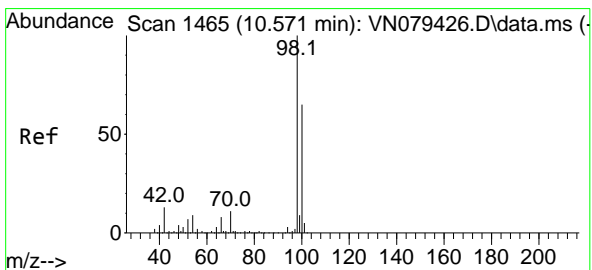
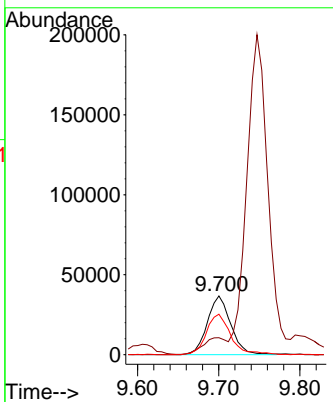
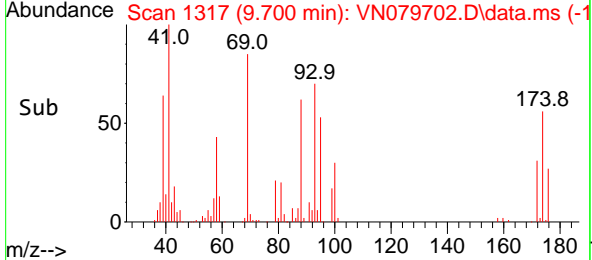
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC050EC



Tgt Ion: 88 Resp: 73450  
 Ion Ratio Lower Upper  
 88 100  
 43 29.4 17.0 25.6  
 58 71.9 47.0 70.4

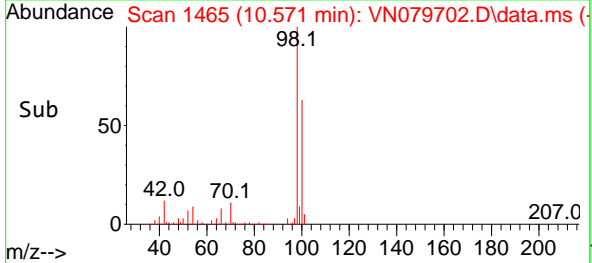
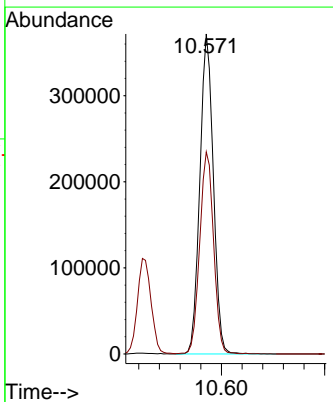
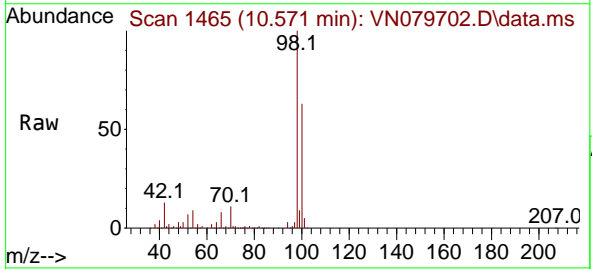
Manual Integrations  
**APPROVED**

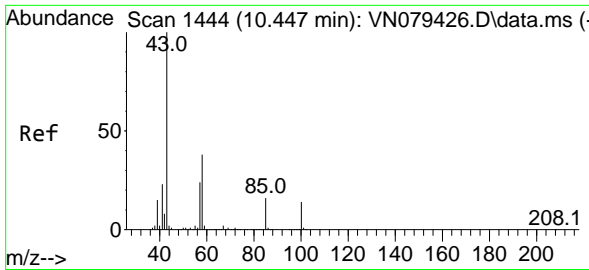
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023



#50  
 Toluene-d8  
 Concen: 52.193 ug/l  
 RT: 10.571 min Scan# 1465  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Tgt Ion: 98 Resp: 672300  
 Ion Ratio Lower Upper  
 98 100  
 100 64.8 52.0 78.0





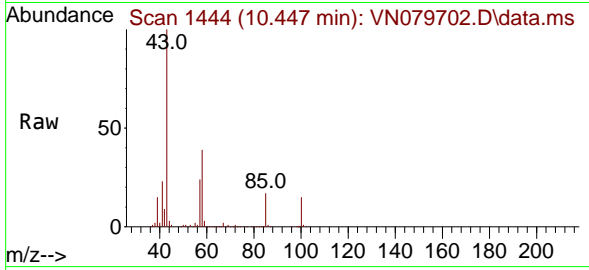
#51  
 4-Methyl-2-Pentanone  
 Concen: 265.794 ug/l  
 RT: 10.447 min Scan# 1444  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



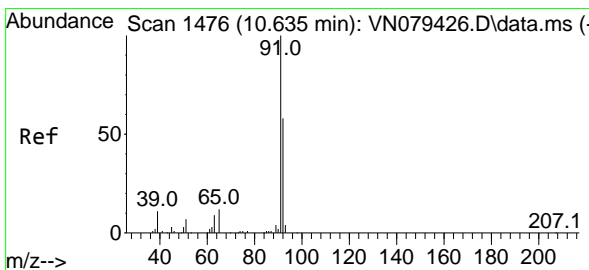
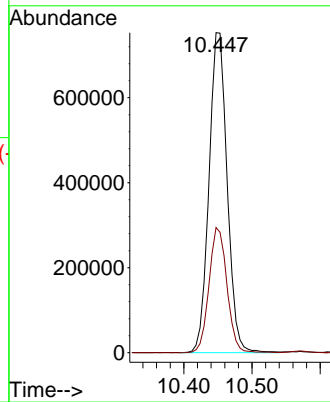
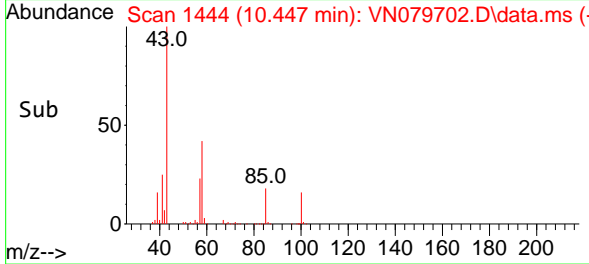
Tgt Ion: 43 Resp: 1397508  
 Ion Ratio Lower Upper  
 43 100  
 58 38.6 36.6 54.8

Manual Integrations

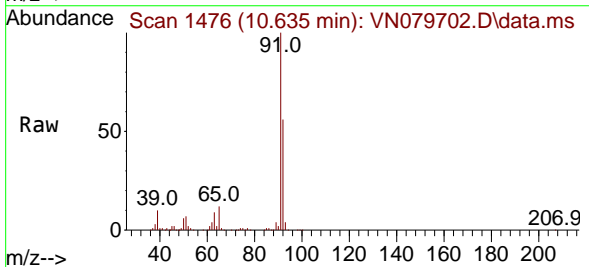
APPROVED

Reviewed By :John Carlone 10/27/2023

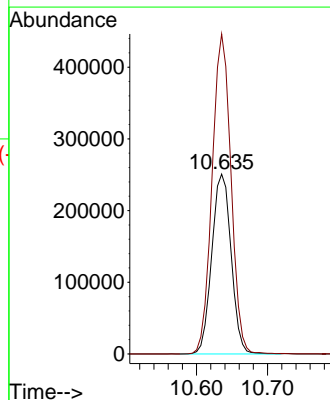
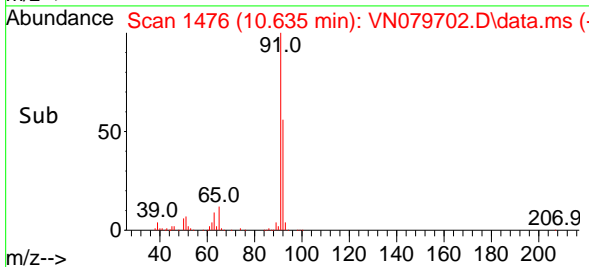
Supervised By :Mahesh Dadoda 10/27/2023

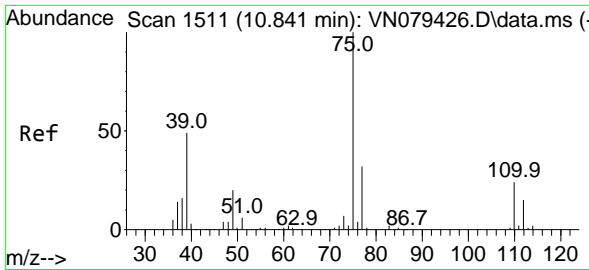


#52  
 Toluene  
 Concen: 50.685 ug/l  
 RT: 10.635 min Scan# 1476  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 92 Resp: 473410  
 Ion Ratio Lower Upper  
 92 100  
 91 173.9 137.4 206.0





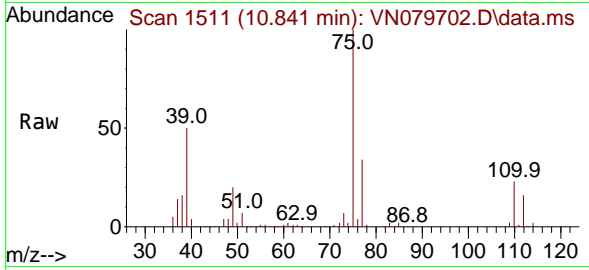
#53  
 t-1,3-Dichloropropene  
 Concen: 51.759 ug/l  
 RT: 10.841 min Scan# 1511  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



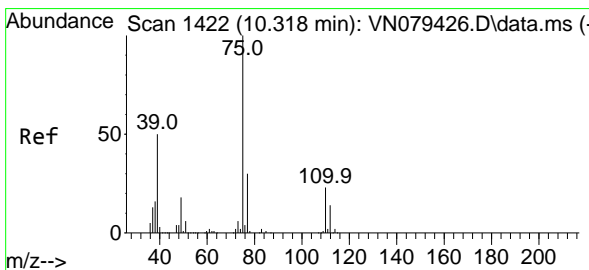
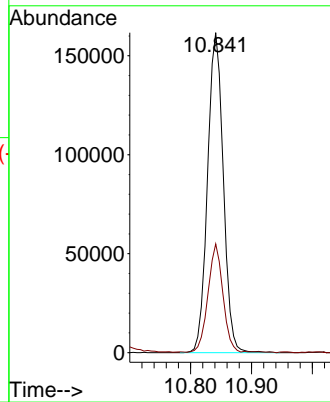
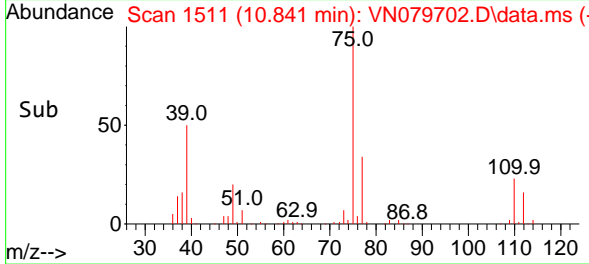
Tgt Ion: 75 Resp: 29052  
 Ion Ratio Lower Upper  
 75 100  
 77 33.8 25.4 38.0

Manual Integrations

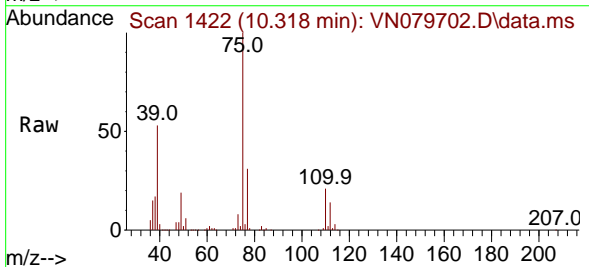
APPROVED

Reviewed By :John Carlone 10/27/2023

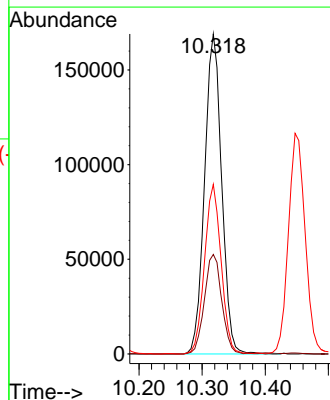
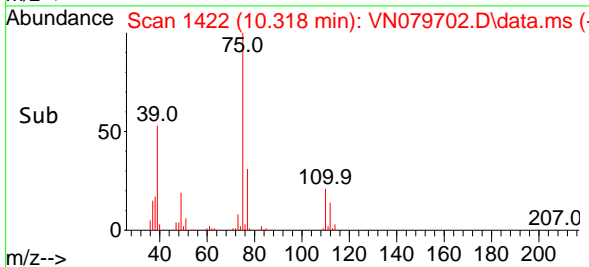
Supervised By :Mahesh Dadoda 10/27/2023

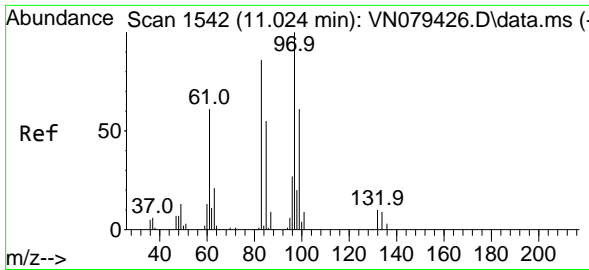


#54  
 cis-1,3-Dichloropropene  
 Concen: 51.710 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 75 Resp: 317737  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 26.1 39.1  
 39 53.0 31.6 47.4#





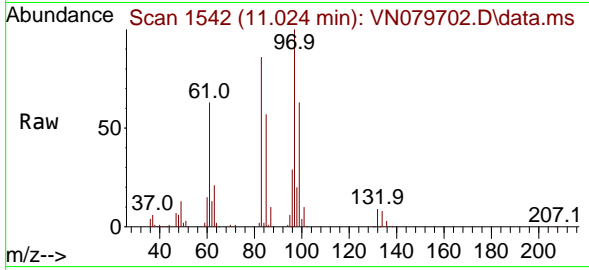
#55  
 1,1,2-Trichloroethane  
 Concen: 50.971 ug/l  
 RT: 11.024 min Scan# 1111  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



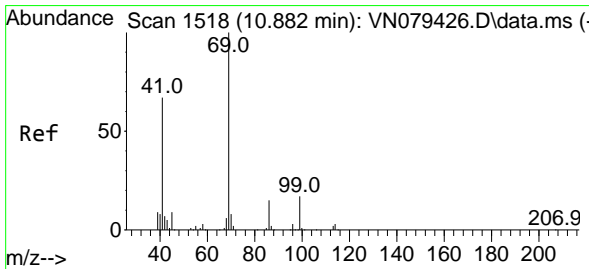
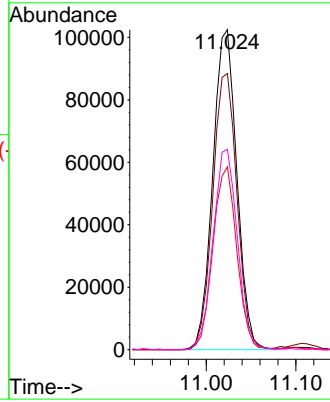
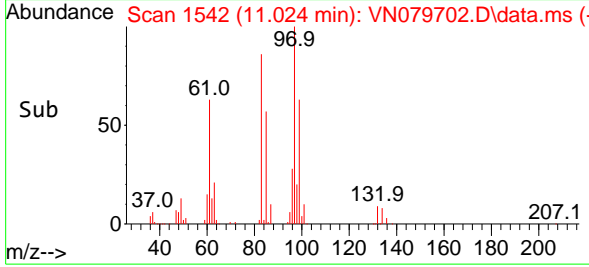
Tgt Ion: 97 Resp: 191134  
 Ion Ratio Lower Upper  
 97 100  
 83 86.3 65.1 97.7  
 85 57.1 43.4 65.2  
 99 62.6 49.2 73.8

Manual Integrations

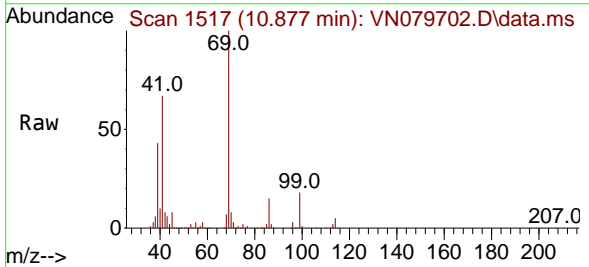
APPROVED

Reviewed By :John Carlone 10/27/2023

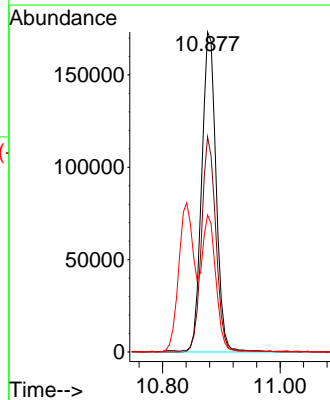
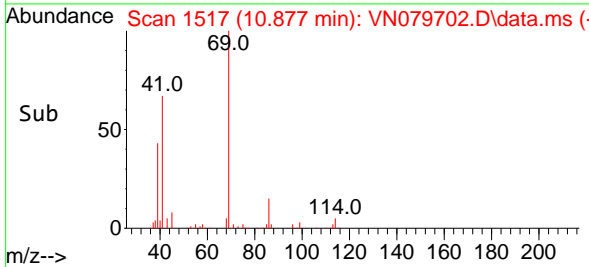
Supervised By :Mahesh Dadoda 10/27/2023



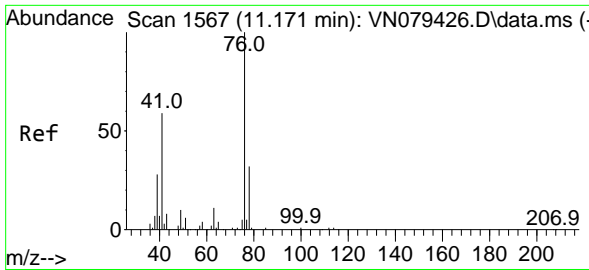
#56  
 Ethyl methacrylate  
 Concen: 57.121 ug/l  
 RT: 10.877 min Scan# 1517  
 Delta R.T. -0.005 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 69 Resp: 294328  
 Ion Ratio Lower Upper  
 69 100  
 41 66.6 39.6 59.4#  
 39 41.4 28.6 43.0

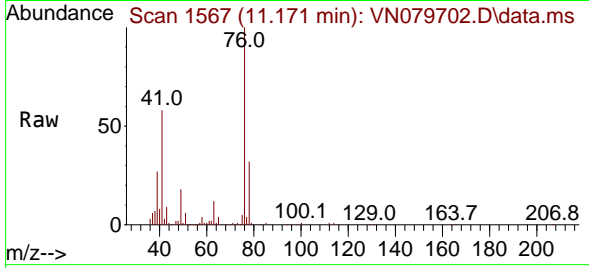






#57  
 1,3-Dichloropropane  
 Concen: 51.859 ug/l  
 RT: 11.171 min Scan# 1567  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

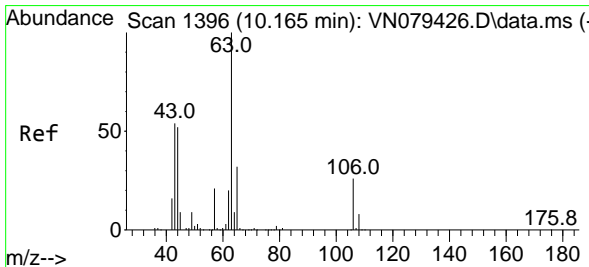
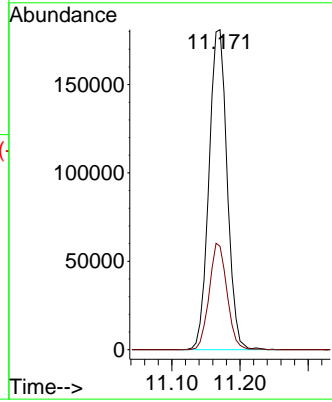
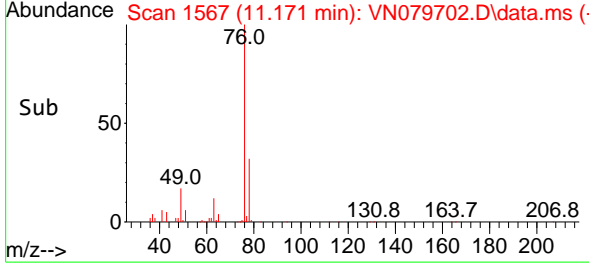
**Instrument :**  
 MSVOA\_N  
**Client Sample Id :**  
 VSTDCCC050EC



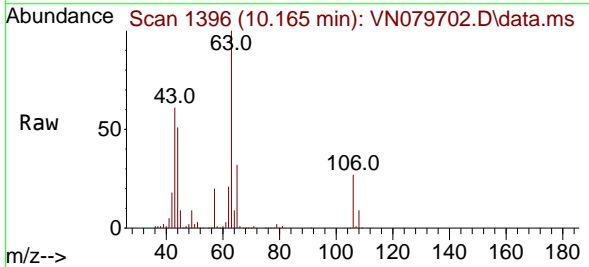
Tgt Ion: 76 Resp: 33578  
 Ion Ratio Lower Upper  
 76 100  
 78 32.5 26.1 39.1

**Manual Integrations**  
**APPROVED**

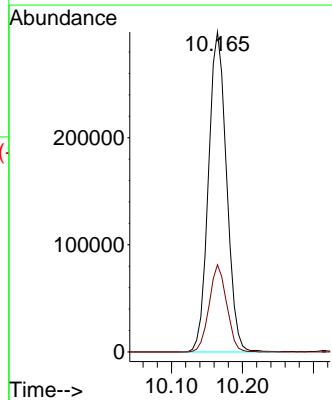
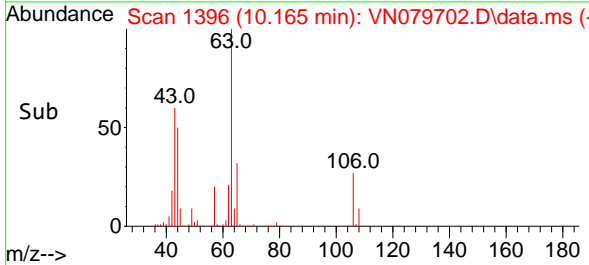
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

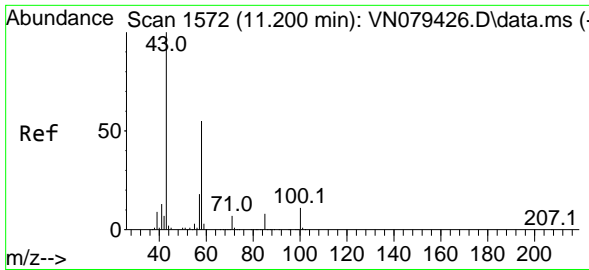


#58  
 2-Chloroethyl Vinyl ether  
 Concen: 267.820 ug/l  
 RT: 10.165 min Scan# 1396  
 Delta R.T. -0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



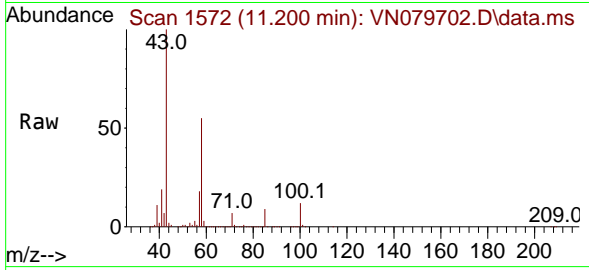
Tgt Ion: 63 Resp: 528496  
 Ion Ratio Lower Upper  
 63 100  
 106 26.4 26.2 39.4





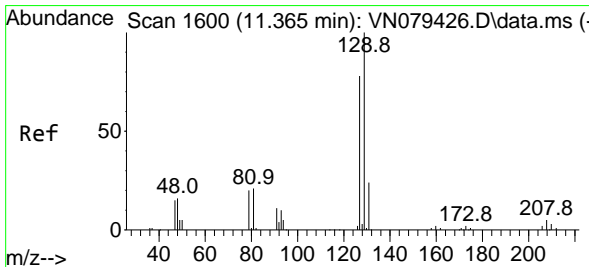
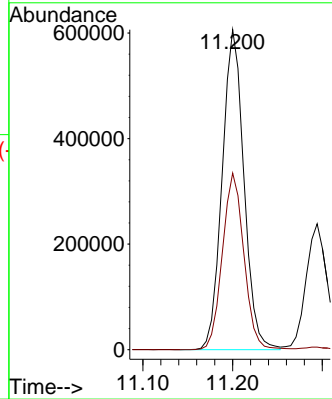
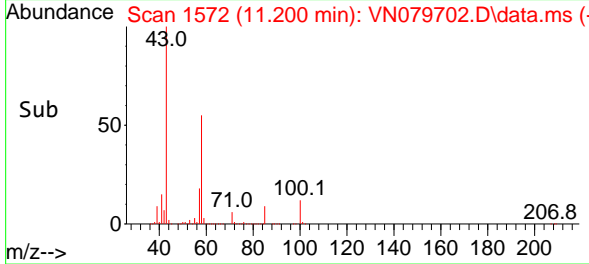
#59  
 2-Hexanone  
 Concen: 269.093 ug/l  
 RT: 11.200 min Scan# 1111  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

**Instrument :**  
 MSVOA\_N  
**ClientSampleId :**  
 VSTDCCC050EC

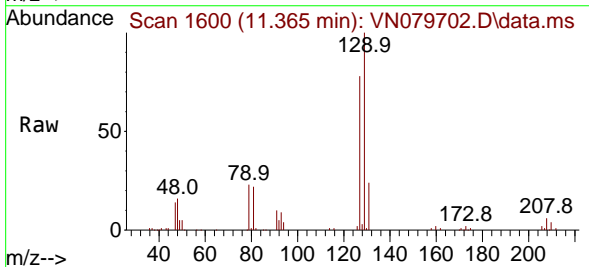


Tgt Ion: 43 Resp: 1020970  
 Ion Ratio Lower Upper  
 43 100  
 58 54.6 31.7 95.1

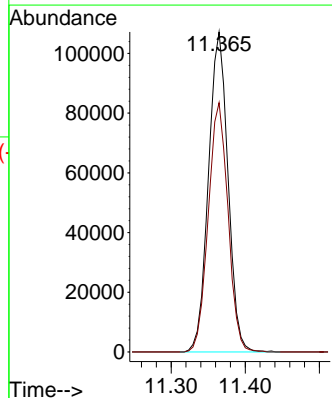
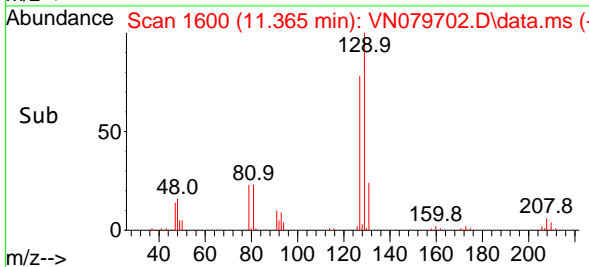
**Manual Integrations**  
**APPROVED**  
 Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

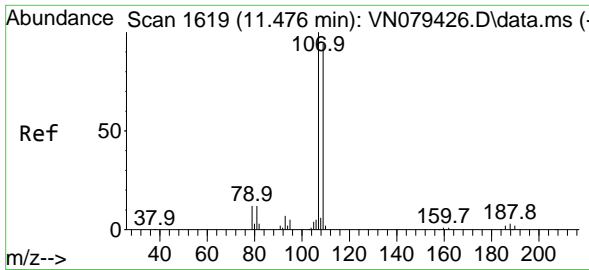


#60  
 Dibromochloromethane  
 Concen: 51.953 ug/l  
 RT: 11.365 min Scan# 1600  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



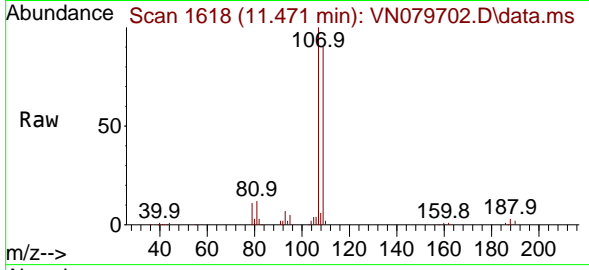
Tgt Ion:129 Resp: 195793  
 Ion Ratio Lower Upper  
 129 100  
 127 78.8 38.6 116.0





#61  
 1,2-Dibromoethane  
 Concen: 50.579 ug/l  
 RT: 11.471 min Scan# 107  
 Delta R.T. -0.006 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

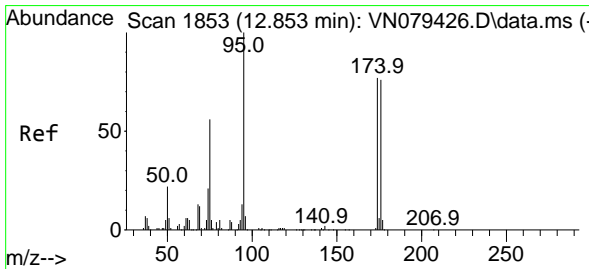
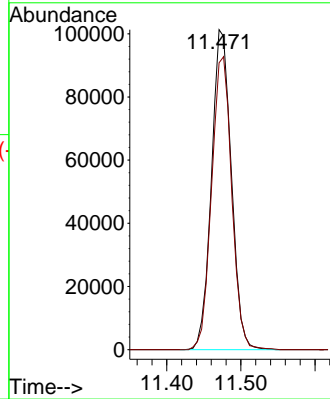
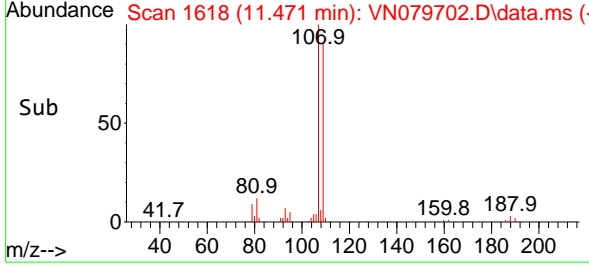
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC050EC



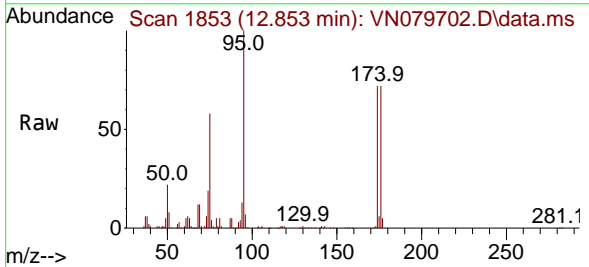
Tgt Ion:107 Resp: 18822  
 Ion Ratio Lower Upper  
 107 100  
 109 92.9 76.6 114.8

Manual Integrations  
 APPROVED

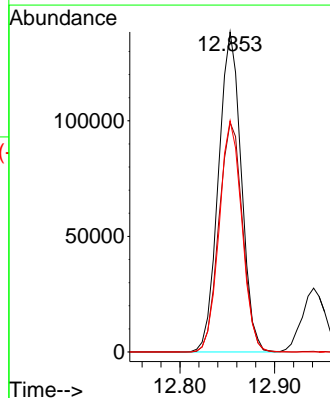
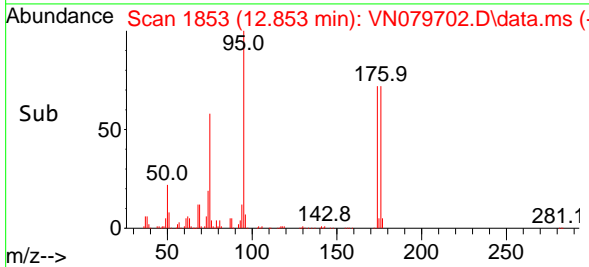
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

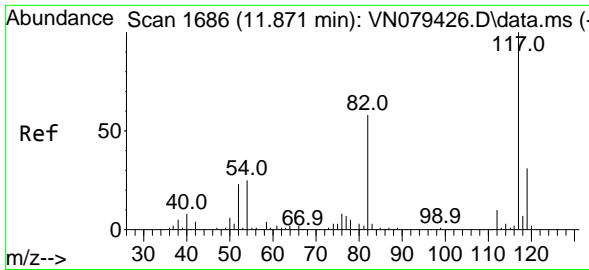


#62  
 4-Bromofluorobenzene  
 Concen: 56.121 ug/l  
 RT: 12.853 min Scan# 1853  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 95 Resp: 231990  
 Ion Ratio Lower Upper  
 95 100  
 174 74.0 0.0 143.8  
 176 71.8 0.0 135.8





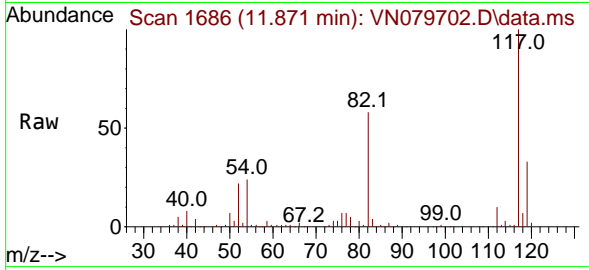
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.871 min Scan# 1686  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



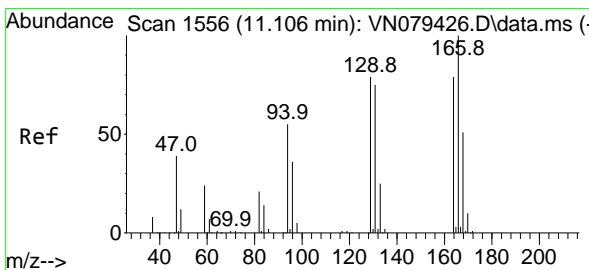
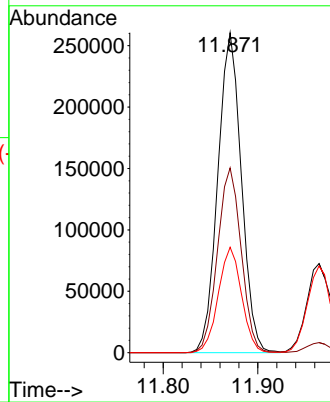
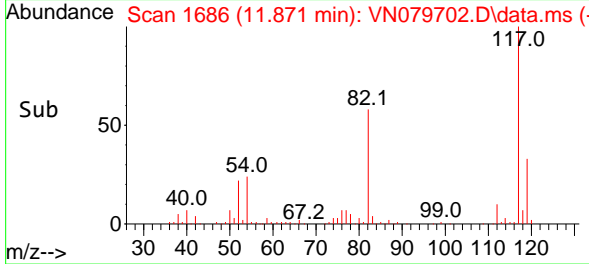
Tgt Ion:117 Resp: 450949  
 Ion Ratio Lower Upper  
 117 100  
 82 57.7 44.0 66.0  
 119 33.0 25.6 38.4

Manual Integrations

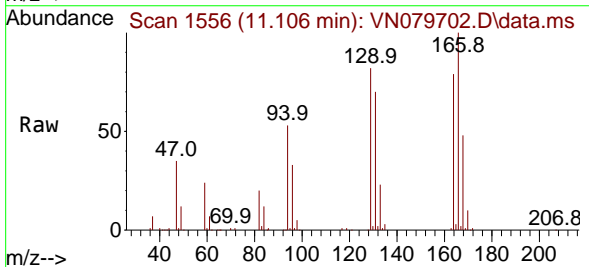
APPROVED

Reviewed By :John Carlone 10/27/2023

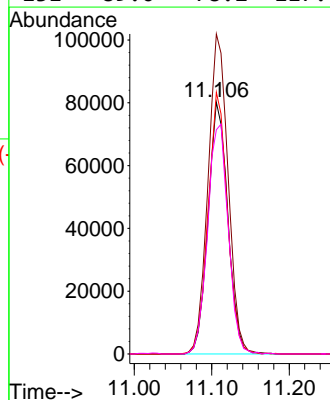
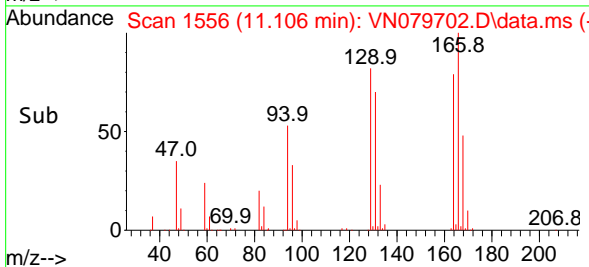
Supervised By :Mahesh Dadoda 10/27/2023

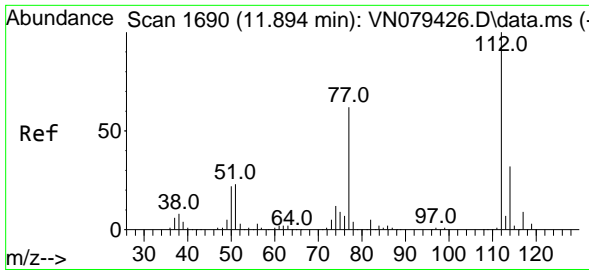


#64  
 Tetrachloroethene  
 Concen: 45.737 ug/l  
 RT: 11.106 min Scan# 1556  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



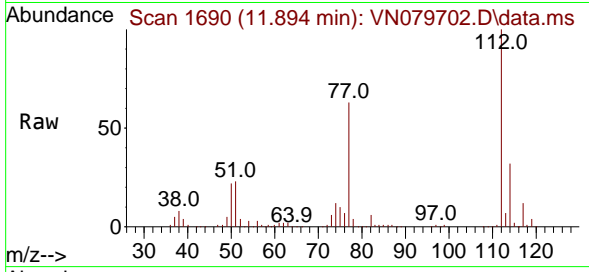
Tgt Ion:164 Resp: 141885  
 Ion Ratio Lower Upper  
 164 100  
 166 127.1 101.4 152.0  
 129 103.9 82.4 123.6  
 131 89.0 78.2 117.4





#65  
 Chlorobenzene  
 Concen: 48.100 ug/l  
 RT: 11.894 min Scan# 10  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

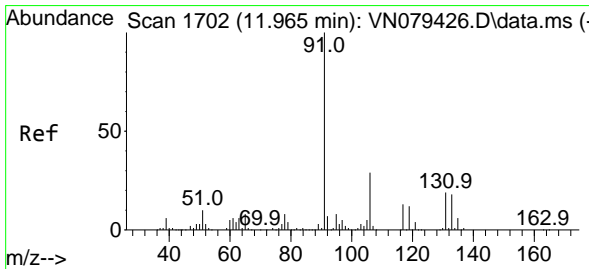
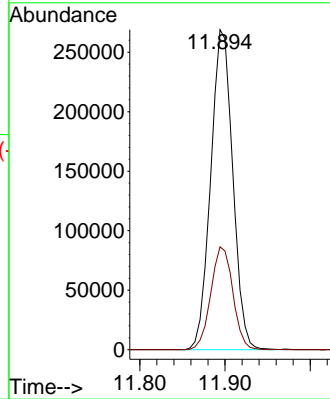
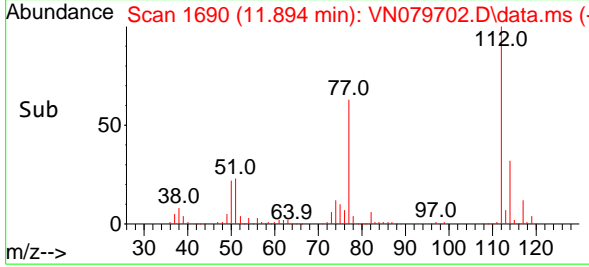
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC



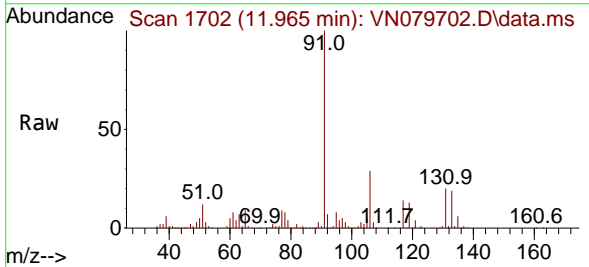
Tgt Ion:112 Resp: 48305  
 Ion Ratio Lower Upper  
 112 100  
 114 32.2 25.0 37.4

Manual Integrations  
**APPROVED**

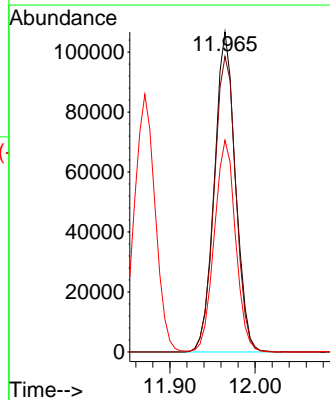
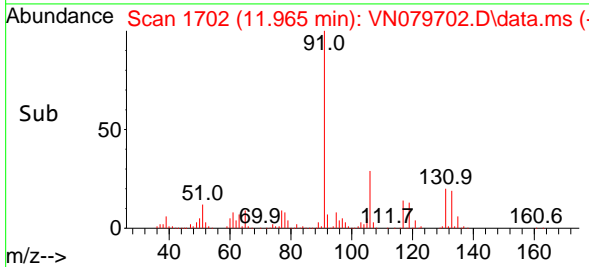
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

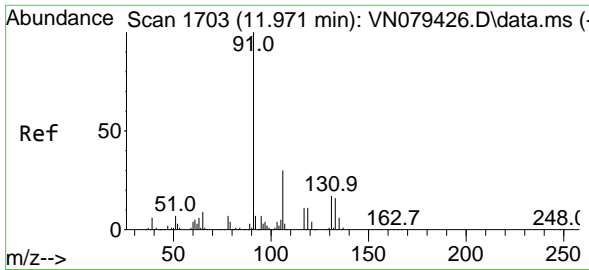


#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 49.745 ug/l  
 RT: 11.965 min Scan# 1702  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion:131 Resp: 182917  
 Ion Ratio Lower Upper  
 131 100  
 133 95.6 46.4 139.1  
 119 66.9 34.1 102.2





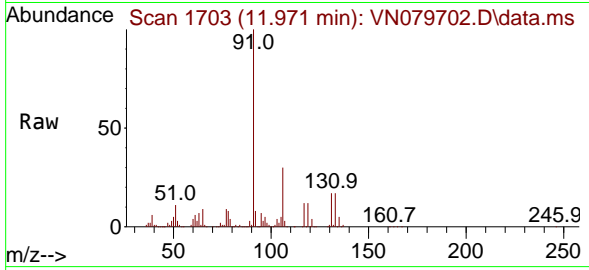
#67  
 Ethyl Benzene  
 Concen: 51.716 ug/l  
 RT: 11.971 min Scan# 1703  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



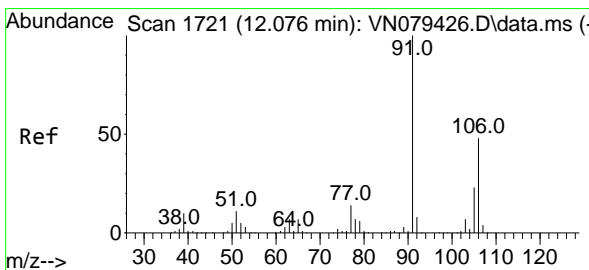
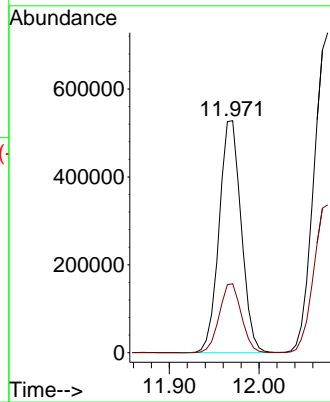
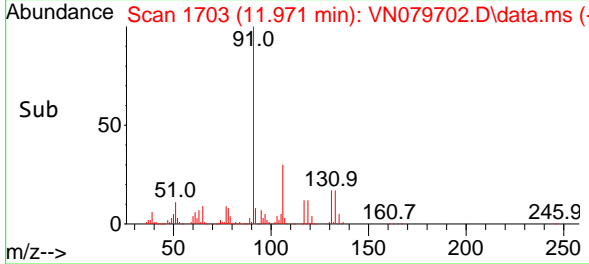
Tgt Ion: 91 Resp: 90271  
 Ion Ratio Lower Upper  
 91 100  
 106 29.7 25.6 38.4

Manual Integrations

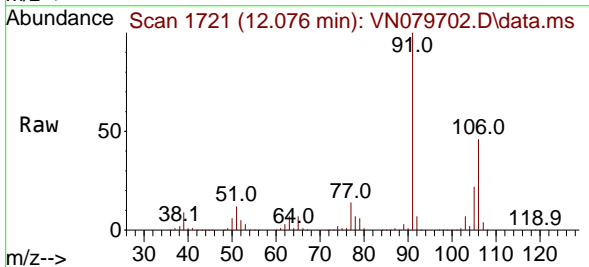
APPROVED

Reviewed By :John Carlone 10/27/2023

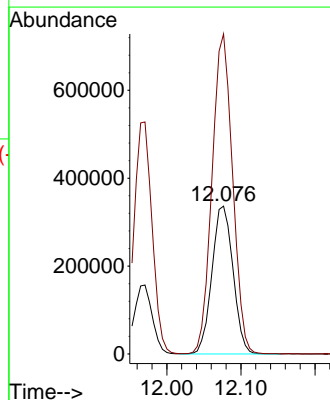
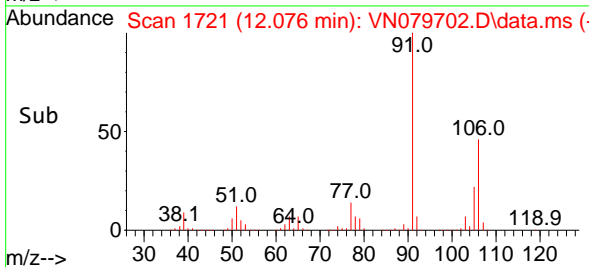
Supervised By :Mahesh Dadoda 10/27/2023

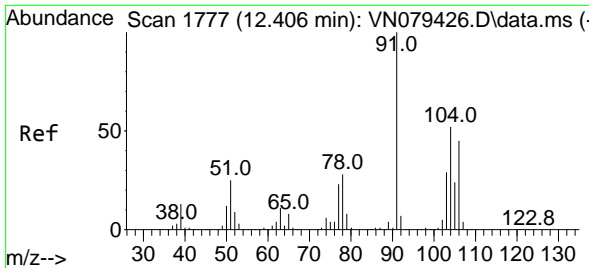


#68  
 m/p-Xylenes  
 Concen: 104.712 ug/l  
 RT: 12.076 min Scan# 1721  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion:106 Resp: 664118  
 Ion Ratio Lower Upper  
 106 100  
 91 211.3 159.6 239.4





#69  
 o-Xylene  
 Concen: 52.433 ug/l  
 RT: 12.406 min Scan# 1777  
 Delta R.T. -0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

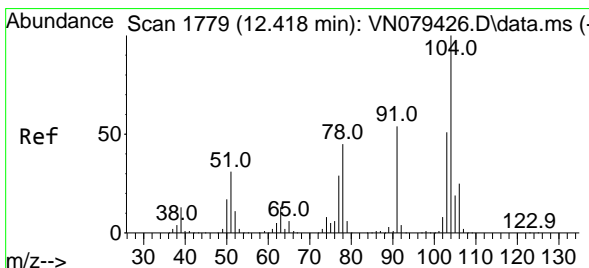
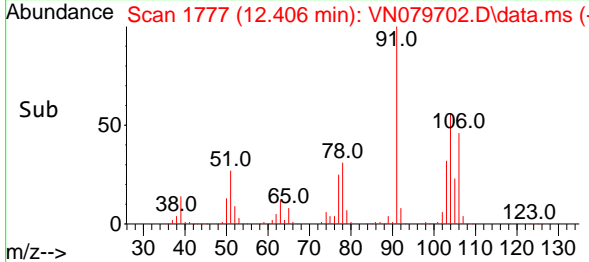
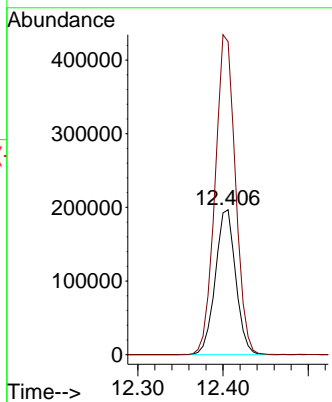
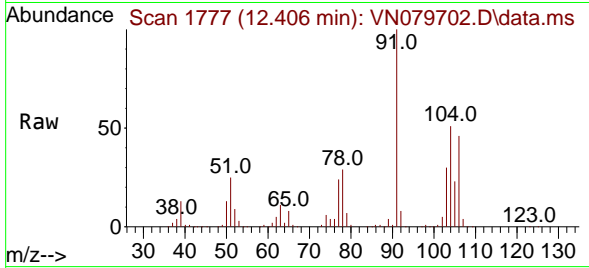
VSTDC050EC

Tgt Ion:106 Resp: 32704  
 Ion Ratio Lower Upper  
 106 100  
 91 220.7 105.2 315.5

Manual Integrations

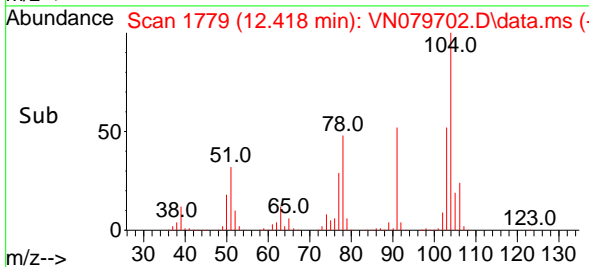
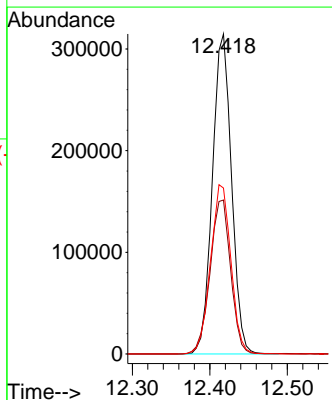
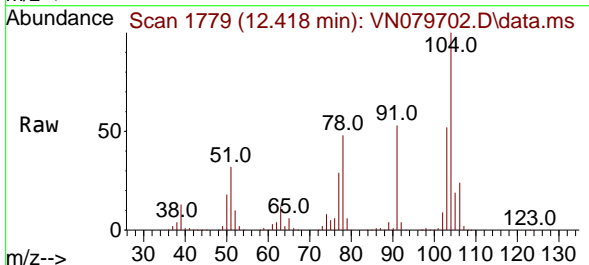
APPROVED

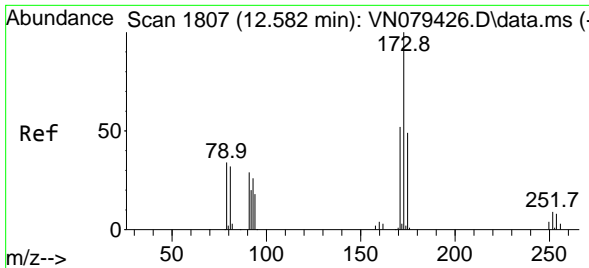
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023



#70  
 Styrene  
 Concen: 54.773 ug/l  
 RT: 12.418 min Scan# 1779  
 Delta R.T. -0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

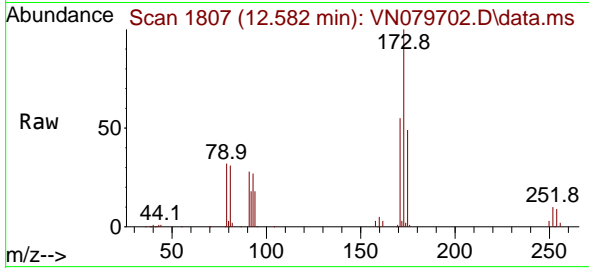
Tgt Ion:104 Resp: 539637  
 Ion Ratio Lower Upper  
 104 100  
 78 51.8 39.5 59.3  
 103 56.3 43.2 64.8





#71  
 Bromoform  
 Concen: 50.566 ug/l  
 RT: 12.582 min Scan# 1807  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

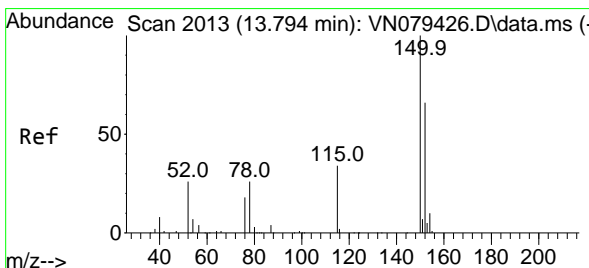
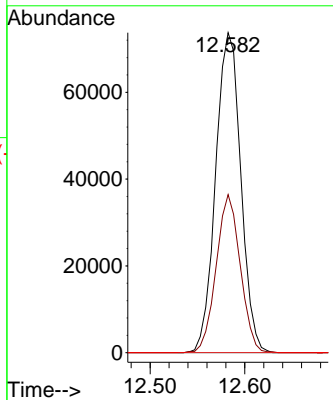
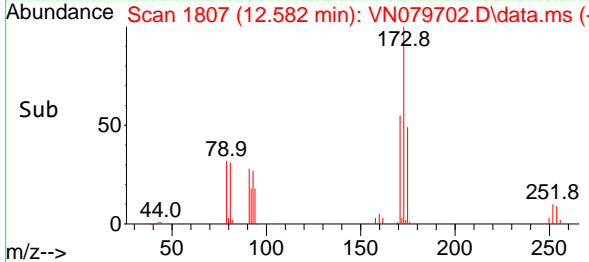
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



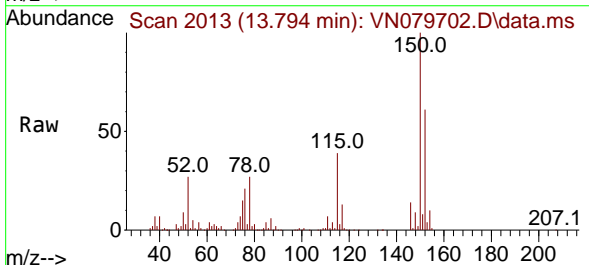
Tgt Ion:173 Resp: 13608  
 Ion Ratio Lower Upper  
 173 100  
 175 47.3 24.3 73.0  
 254 0.0 0.0 0.0

Manual Integrations  
**APPROVED**

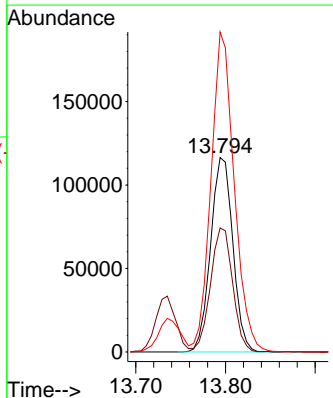
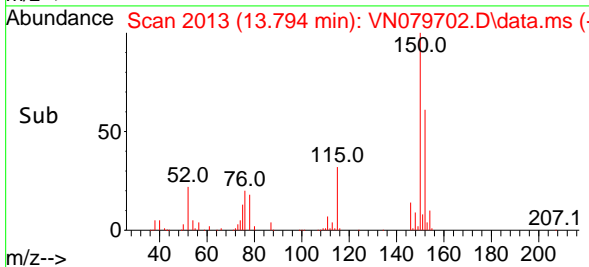
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023



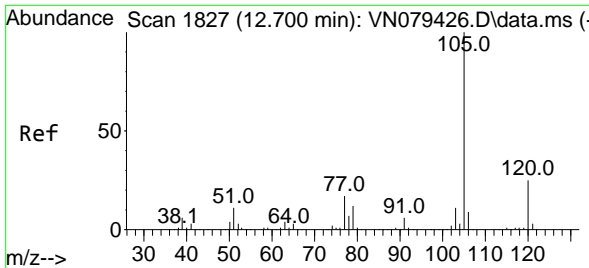
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 2013  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion:152 Resp: 200608  
 Ion Ratio Lower Upper  
 152 100  
 115 63.6 32.3 96.8  
 150 171.8 0.0 355.8

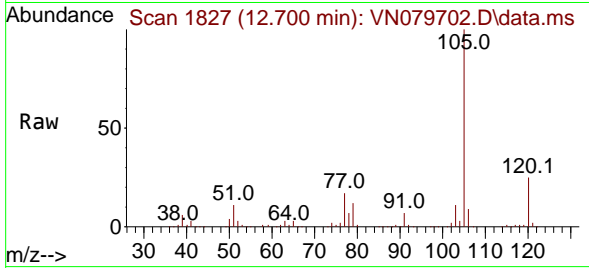






#73  
 Isopropylbenzene  
 Concen: 44.857 ug/l  
 RT: 12.700 min Scan# 1827  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

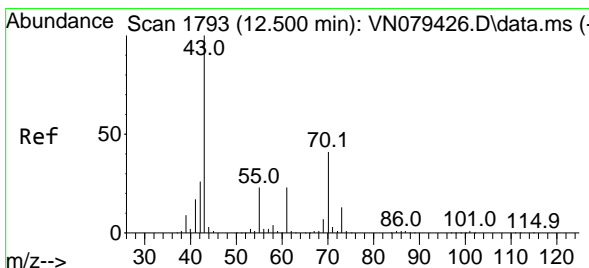
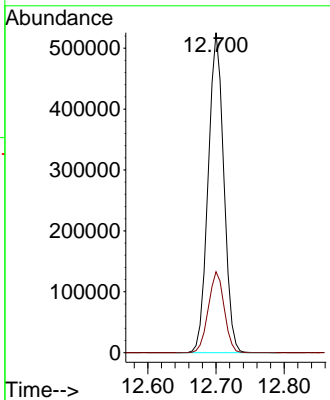
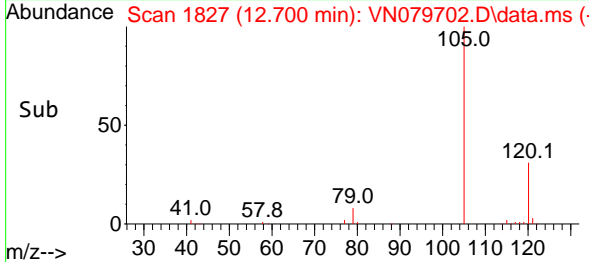
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC050EC



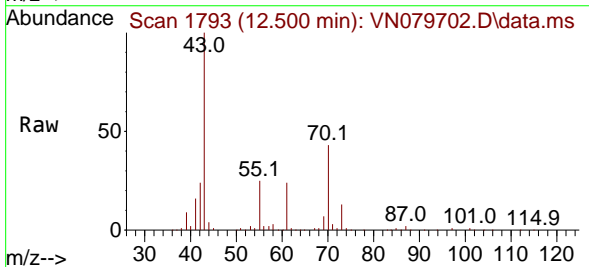
Tgt Ion: 105 Resp: 837164  
 Ion Ratio Lower Upper  
 105 100  
 120 25.7 13.1 39.1

Manual Integrations  
 APPROVED

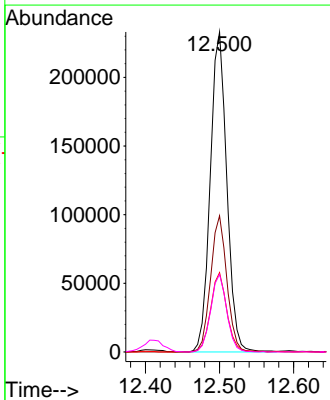
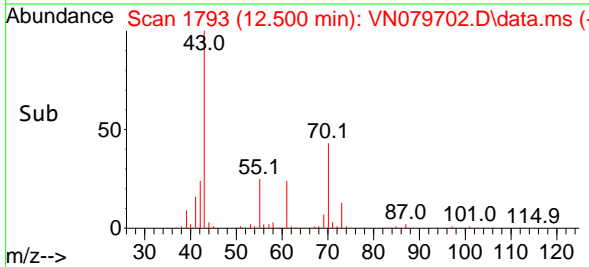
Reviewed By : John Carlone 10/27/2023  
 Supervised By : Mahesh Dadoda 10/27/2023

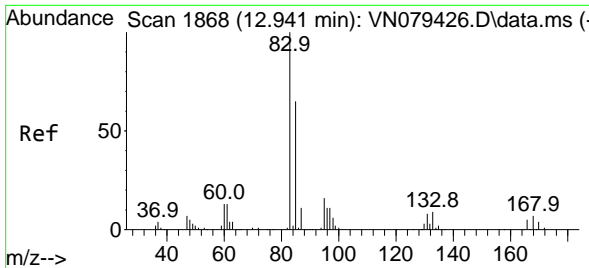


#74  
 N-amy1 acetate  
 Concen: 47.279 ug/l  
 RT: 12.500 min Scan# 1793  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



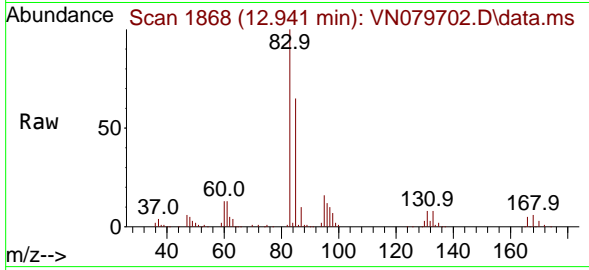
Tgt Ion: 43 Resp: 361734  
 Ion Ratio Lower Upper  
 43 100  
 70 41.8 43.4 65.2#  
 55 24.4 21.4 32.0  
 61 23.4 22.8 34.2





#75  
 1,1,2-Tetrachloroethane  
 Concen: 47.989 ug/l  
 RT: 12.941 min Scan# 1868  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

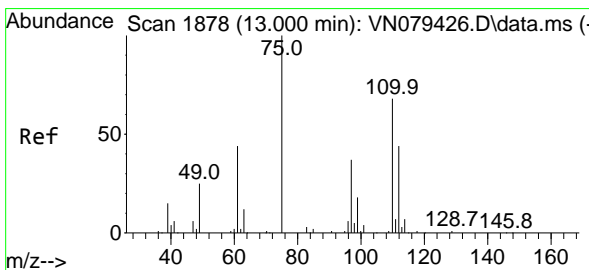
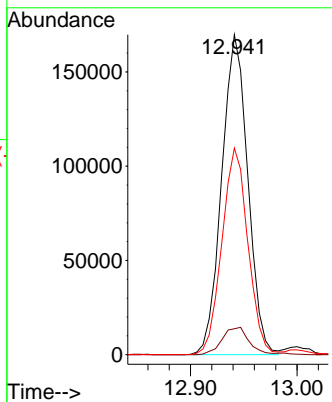
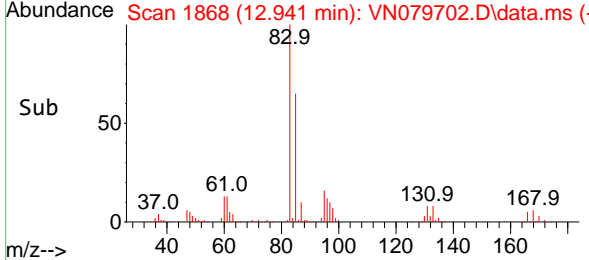
**Instrument :**  
 MSVOA\_N  
**Client Sample Id :**  
 VSTDCCC050EC



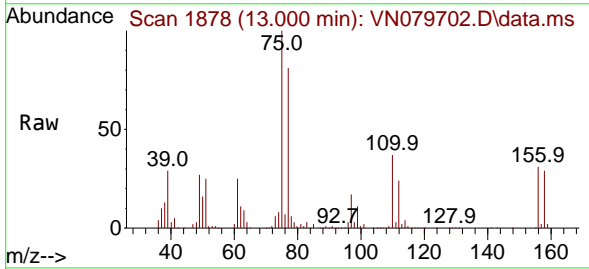
Tgt Ion: 83 Resp: 28937  
 Ion Ratio Lower Upper  
 83 100  
 131 9.1 5.0 15.0  
 85 64.2 31.9 95.7

**Manual Integrations**  
**APPROVED**

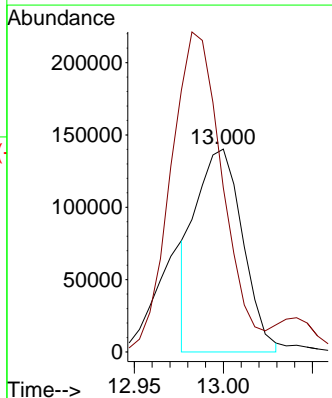
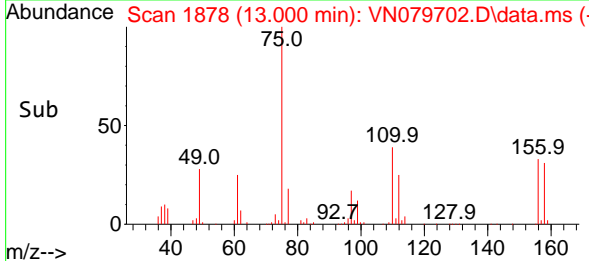
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

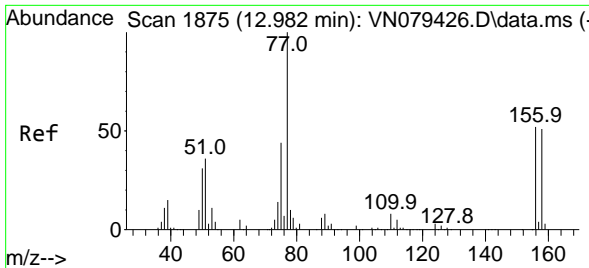


#76  
 1,2,3-Trichloropropane  
 Concen: 44.354 ug/l m  
 RT: 13.000 min Scan# 1878  
 Delta R.T. -0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



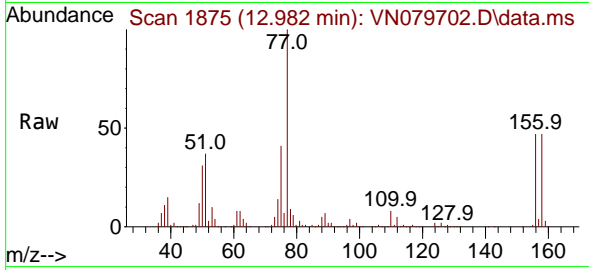
Tgt Ion: 75 Resp: 256549  
 Ion Ratio Lower Upper  
 75 100  
 77 174.5 84.5 253.5





#77  
 Bromobenzene  
 Concen: 41.537 ug/l  
 RT: 12.982 min Scan# 1875  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

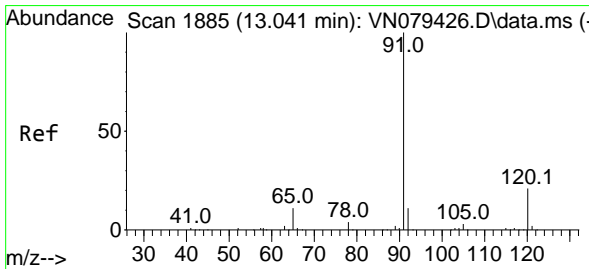
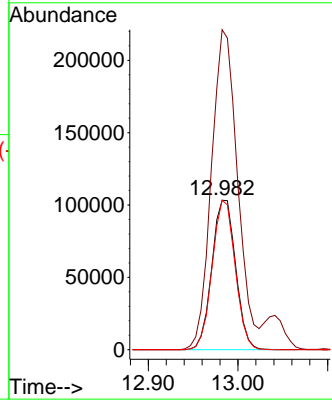
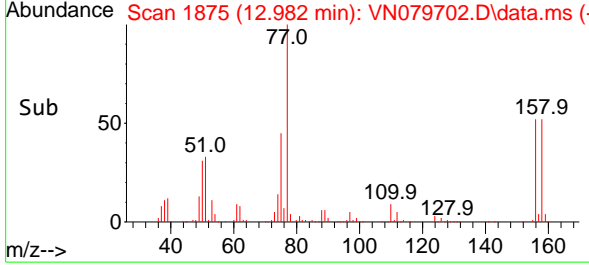
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC050EC



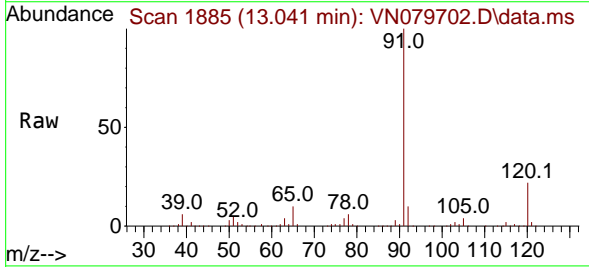
Tgt Ion:156 Resp: 190079  
 Ion Ratio Lower Upper  
 156 100  
 77 235.5 107.7 323.3  
 158 96.4 48.4 145.3

Manual Integrations  
 APPROVED

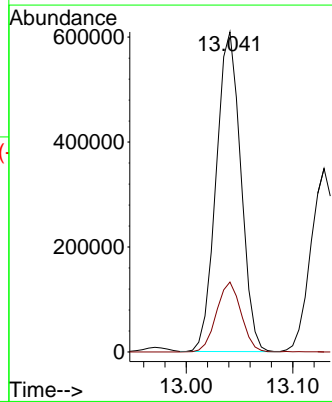
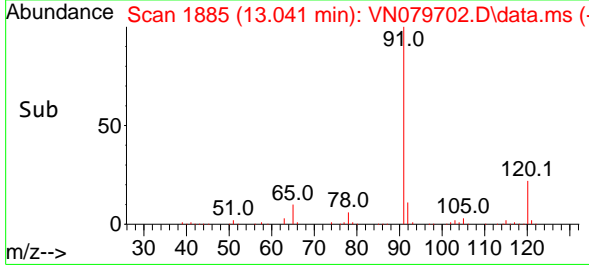
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

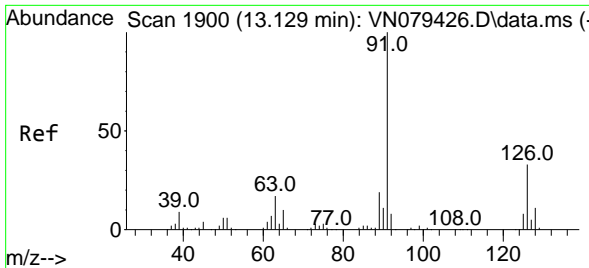


#78  
 n-propylbenzene  
 Concen: 46.325 ug/l  
 RT: 13.041 min Scan# 1885  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



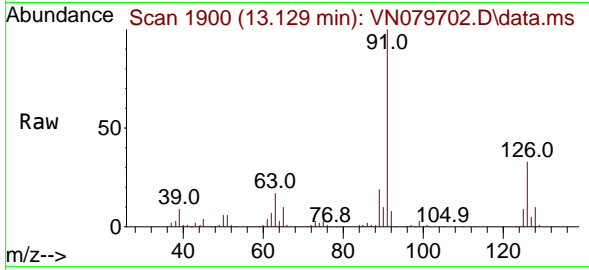
Tgt Ion: 91 Resp: 978191  
 Ion Ratio Lower Upper  
 91 100  
 120 21.9 11.5 34.4





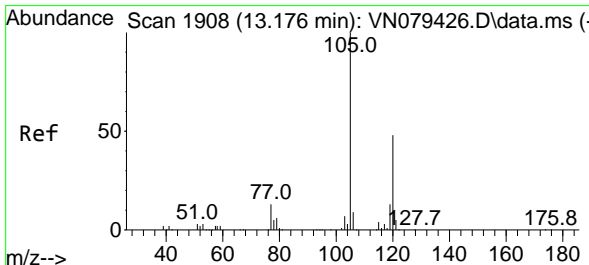
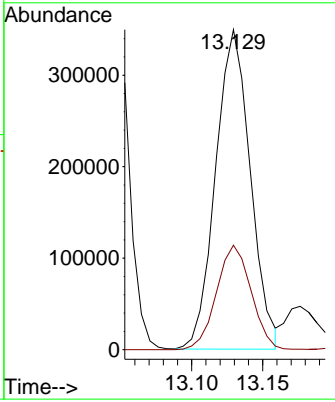
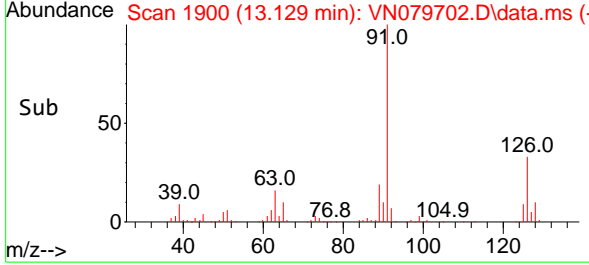
#79  
 2-Chlorotoluene  
 Concen: 43.965 ug/l  
 RT: 13.129 min Scan# 1900  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC

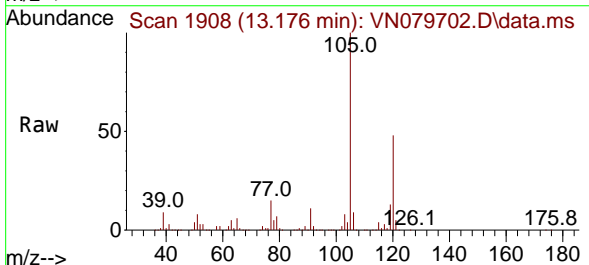


Tgt Ion: 91 Resp: 59404  
 Ion Ratio Lower Upper  
 91 100  
 126 32.5 16.3 48.8

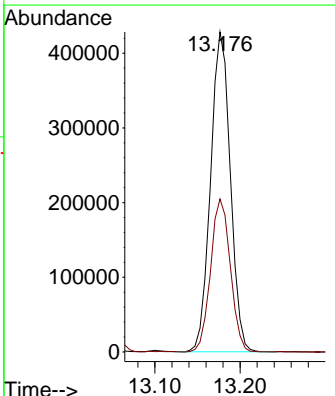
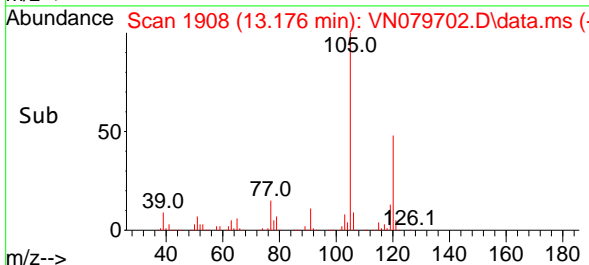
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

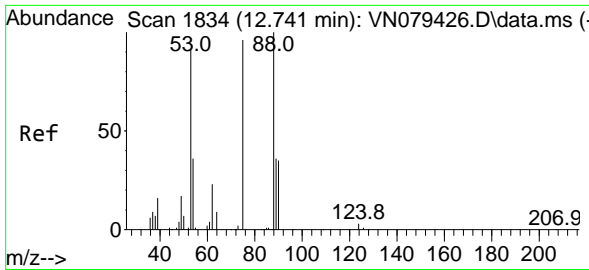


#80  
 1,3,5-Trimethylbenzene  
 Concen: 46.857 ug/l  
 RT: 13.176 min Scan# 1908  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



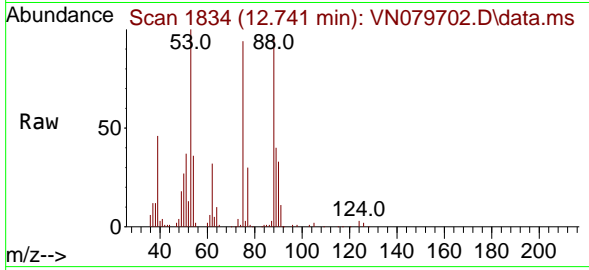
Tgt Ion:105 Resp: 689584  
 Ion Ratio Lower Upper  
 105 100  
 120 47.9 24.1 72.3





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 43.492 ug/l  
 RT: 12.741 min Scan# 1834  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

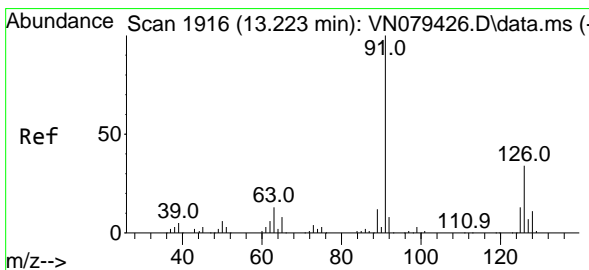
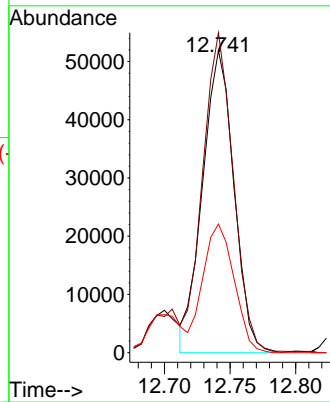
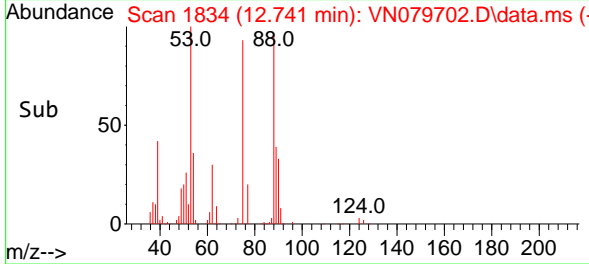
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC050EC



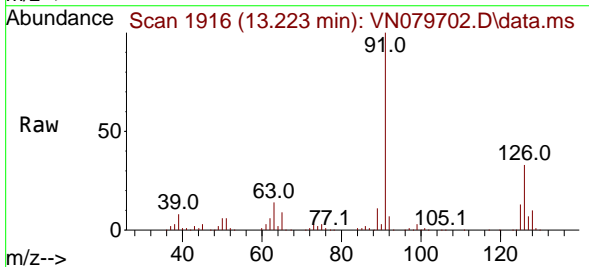
Tgt Ion: 75 Resp: 86700  
 Ion Ratio Lower Upper  
 75 100  
 53 116.8 67.4 101.2  
 89 42.0 38.8 58.2

Manual Integrations  
**APPROVED**

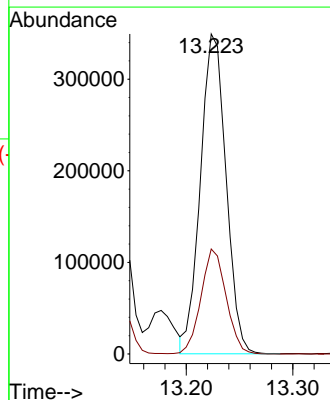
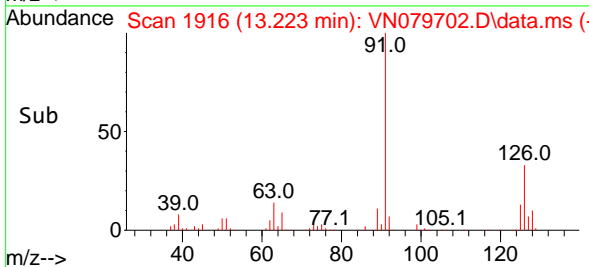
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

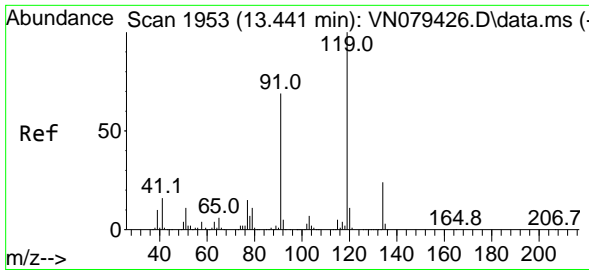


#82  
 4-Chlorotoluene  
 Concen: 45.401 ug/l  
 RT: 13.223 min Scan# 1916  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 91 Resp: 583741  
 Ion Ratio Lower Upper  
 91 100  
 126 32.3 16.7 50.0





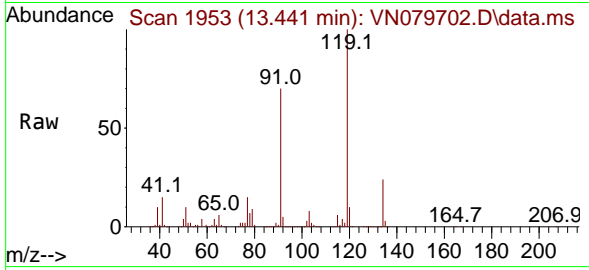
#83  
 tert-Butylbenzene  
 Concen: 49.090 ug/l  
 RT: 13.441 min Scan# 1953  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



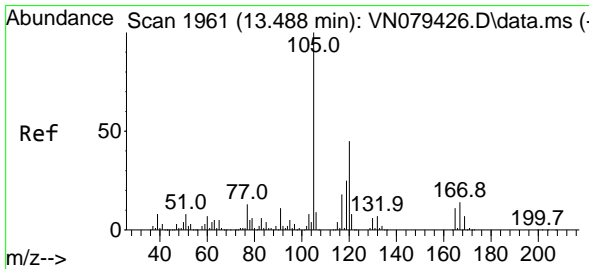
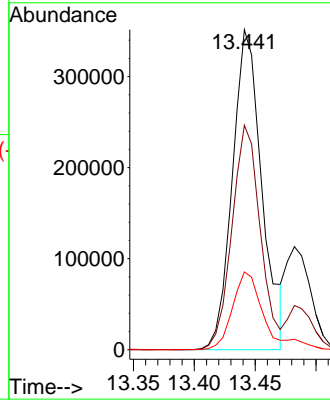
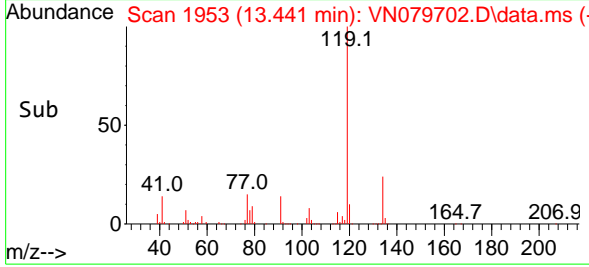
Tgt Ion:119 Resp: 591904  
 Ion Ratio Lower Upper  
 119 100  
 91 67.6 33.9 101.7  
 134 25.9 13.2 39.6

Manual Integrations

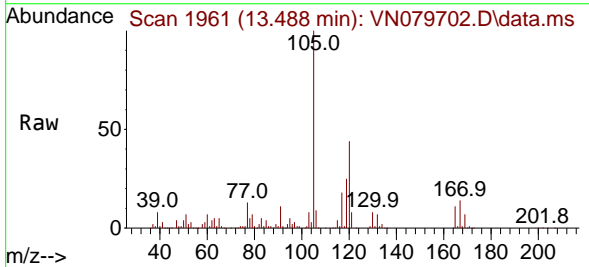
APPROVED

Reviewed By :John Carlone 10/27/2023

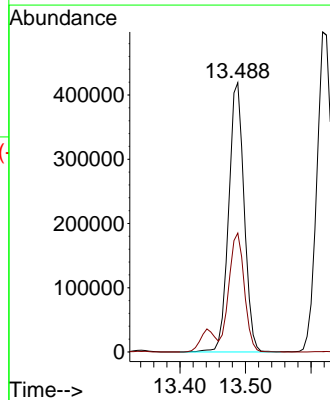
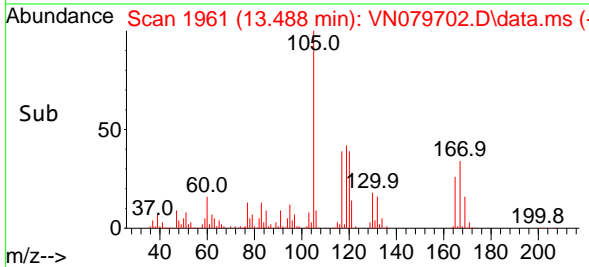
Supervised By :Mahesh Dadoda 10/27/2023

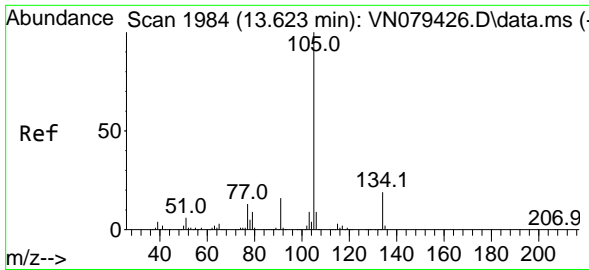


#84  
 1,2,4-Trimethylbenzene  
 Concen: 48.762 ug/l  
 RT: 13.488 min Scan# 1961  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



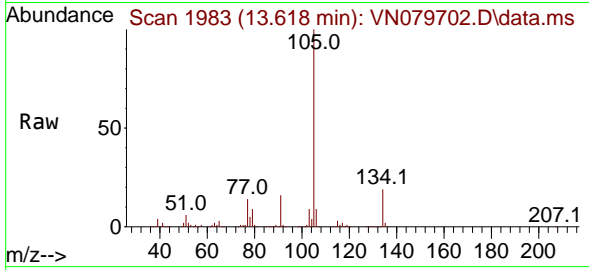
Tgt Ion:105 Resp: 684855  
 Ion Ratio Lower Upper  
 105 100  
 120 44.1 22.0 66.0





#85  
 sec-Butylbenzene  
 Concen: 48.063 ug/l  
 RT: 13.618 min Scan# 1983  
 Delta R.T. -0.006 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

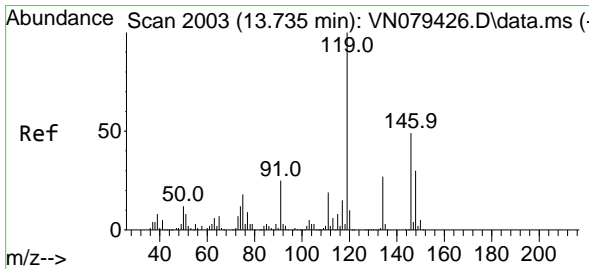
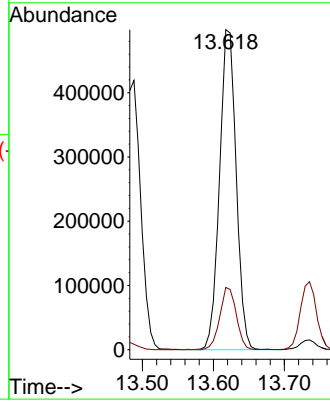
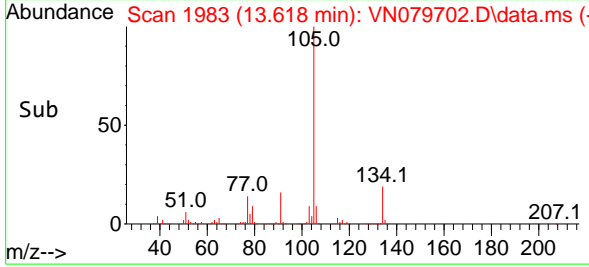
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



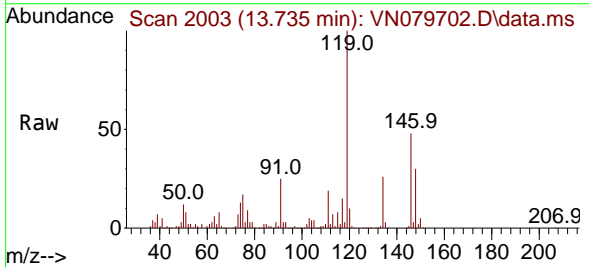
Tgt Ion: 105 Resp: 80833  
 Ion Ratio Lower Upper  
 105 100  
 134 19.2 9.8 29.3

Manual Integrations  
**APPROVED**

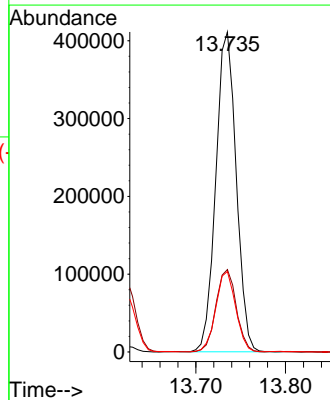
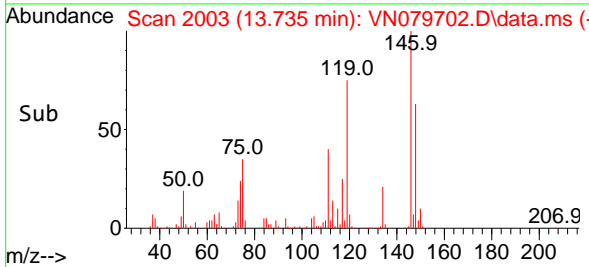
Reviewed By : John Carlone 10/27/2023  
 Supervised By : Mahesh Dadoda 10/27/2023

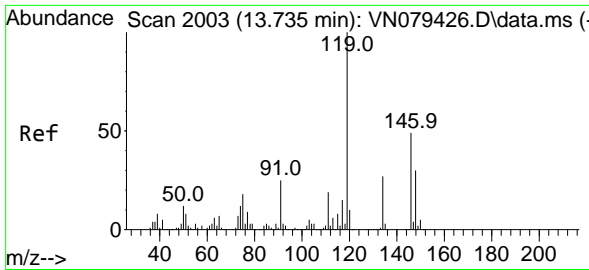


#86  
 p-Isopropyltoluene  
 Concen: 50.244 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 119 Resp: 648253  
 Ion Ratio Lower Upper  
 119 100  
 134 25.8 12.6 37.8  
 91 24.5 12.4 37.2





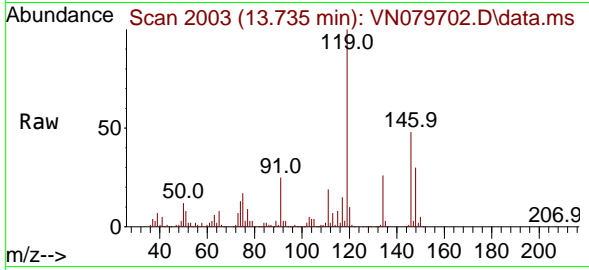
#87  
 1,3-Dichlorobenzene  
 Concen: 46.363 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDC050EC



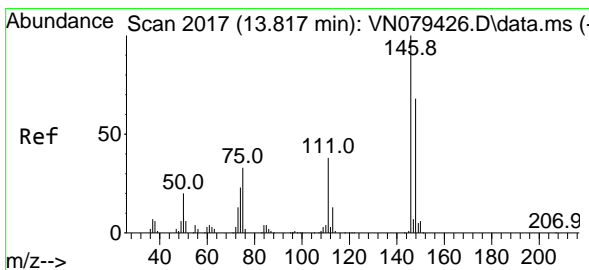
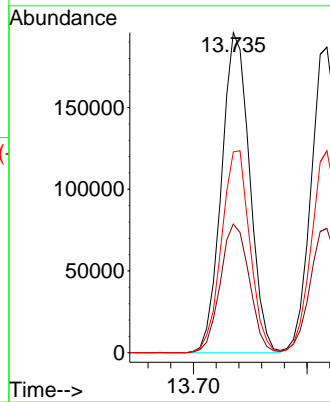
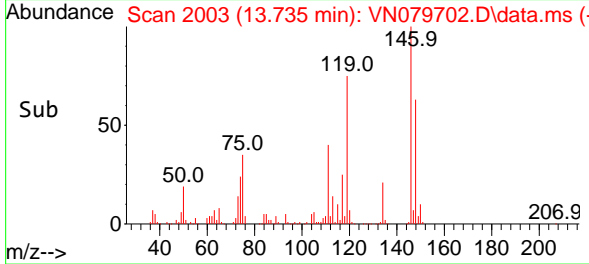
Tgt Ion:146 Resp: 33651  
 Ion Ratio Lower Upper  
 146 100  
 111 41.4 22.1 66.3  
 148 63.6 32.0 96.0

Manual Integrations

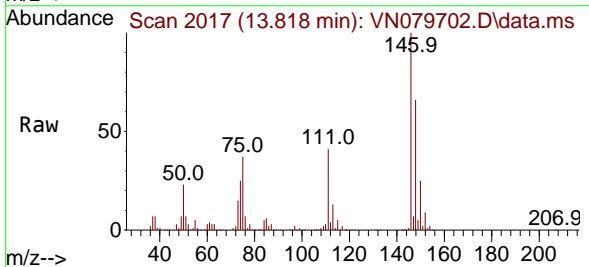
APPROVED

Reviewed By :John Carlone 10/27/2023

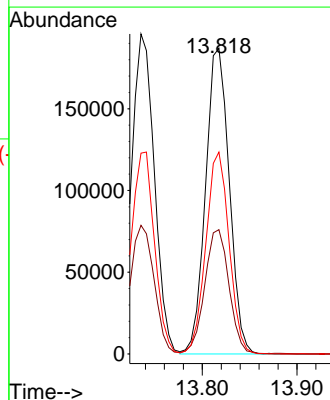
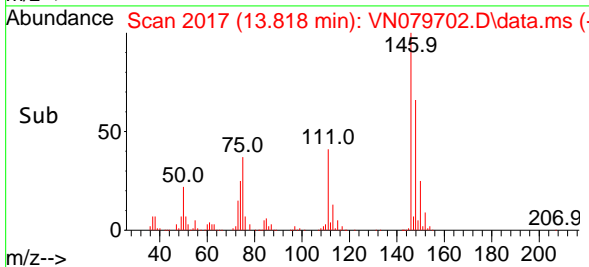
Supervised By :Mahesh Dadoda 10/27/2023



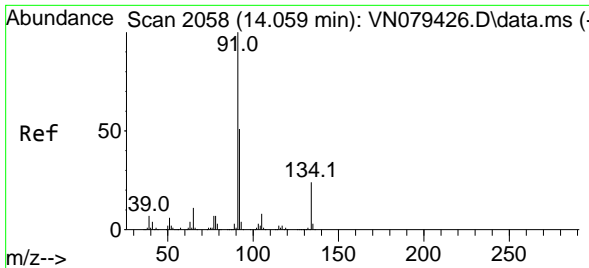
#88  
 1,4-Dichlorobenzene  
 Concen: 43.413 ug/l  
 RT: 13.818 min Scan# 2017  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion:146 Resp: 325353  
 Ion Ratio Lower Upper  
 146 100  
 111 41.6 20.6 61.8  
 148 64.7 31.6 94.8







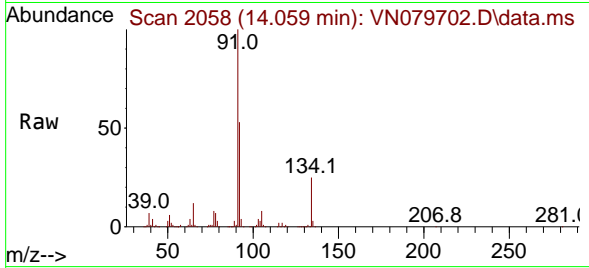
#89  
 n-Butylbenzene  
 Concen: 51.035 ug/l  
 RT: 14.059 min Scan# 2058  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



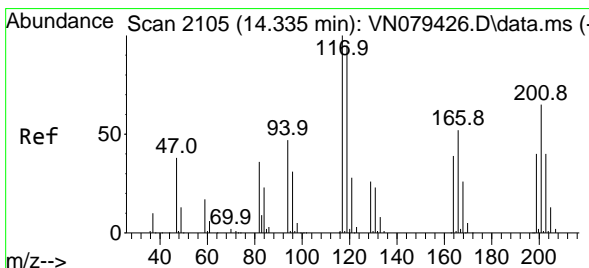
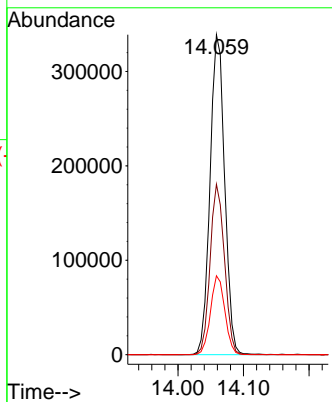
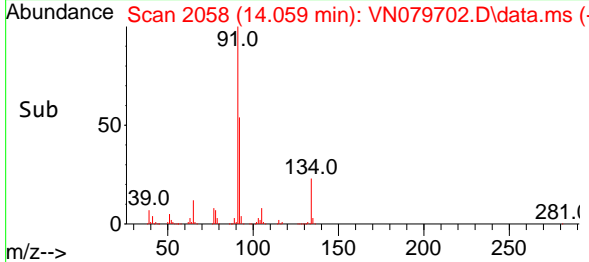
Tgt Ion: 91 Resp: 52581  
 Ion Ratio Lower Upper  
 91 100  
 92 52.2 26.4 79.0  
 134 24.2 12.6 37.6

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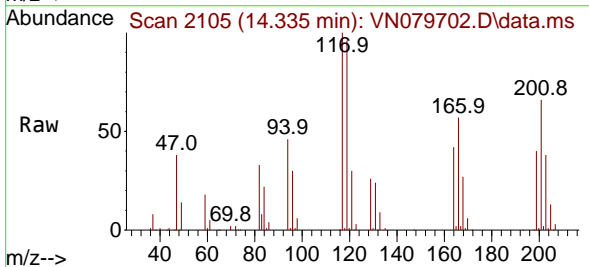
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Reviewed By :John Carlone 10/27/2023

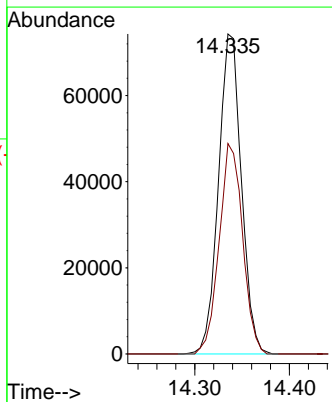
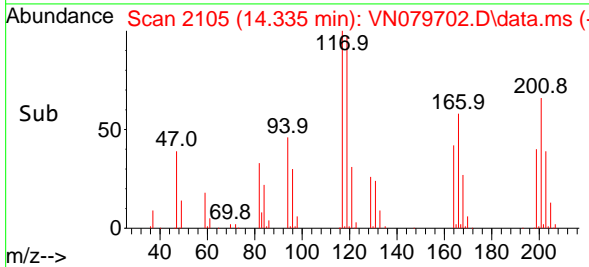
Supervised By :Mahesh Dadoda 10/27/2023

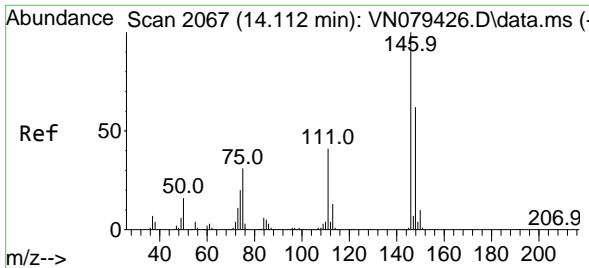


#90  
 Hexachloroethane  
 Concen: 47.619 ug/l  
 RT: 14.335 min Scan# 2105  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



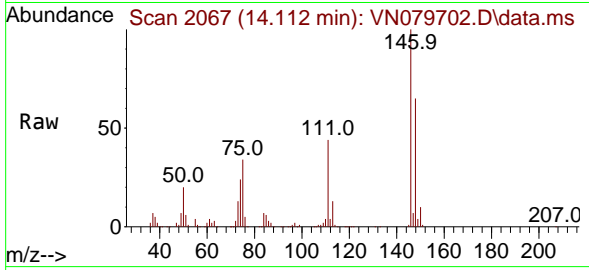
Tgt Ion:117 Resp: 124860  
 Ion Ratio Lower Upper  
 117 100  
 201 67.2 29.3 88.0





#91  
 1,2-Dichlorobenzene  
 Concen: 45.769 ug/l  
 RT: 14.112 min Scan# 2067  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

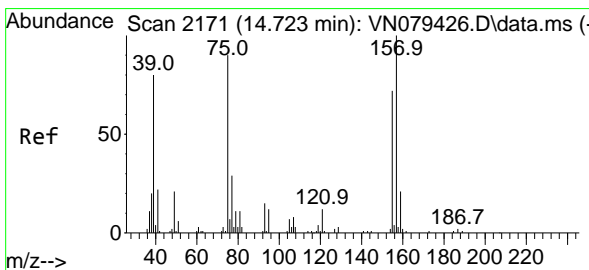
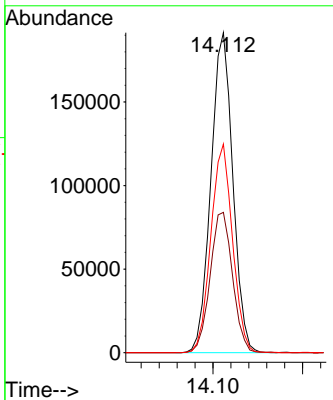
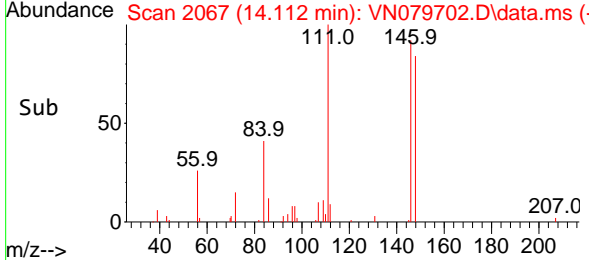
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



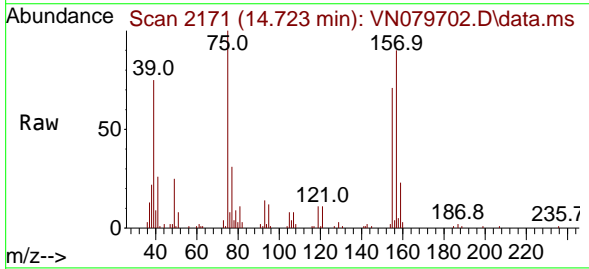
Tgt Ion: 146 Resp: 32403  
 Ion Ratio Lower Upper  
 146 100  
 111 45.0 22.0 66.0  
 148 64.6 31.8 95.3

Manual Integrations  
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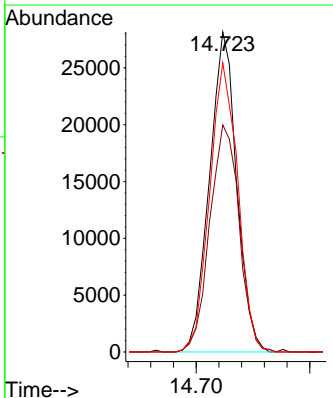
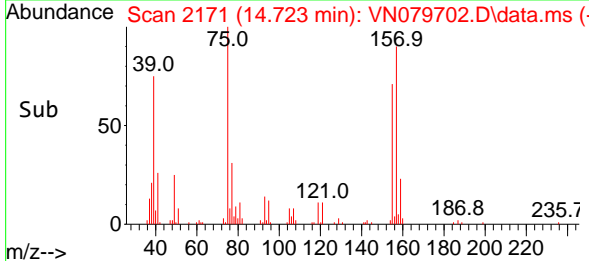
Reviewed By : John Carlone 10/27/2023  
 Supervised By : Mahesh Dadoda 10/27/2023

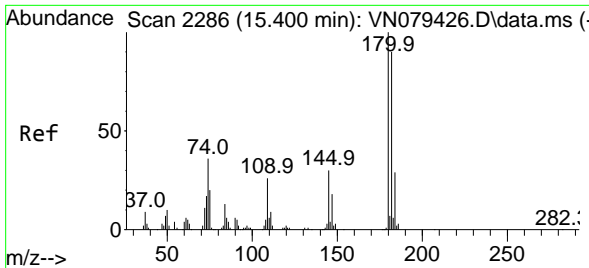


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 43.513 ug/l  
 RT: 14.723 min Scan# 2171  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion: 75 Resp: 46958  
 Ion Ratio Lower Upper  
 75 100  
 155 76.2 39.1 117.2  
 157 93.2 50.3 150.9





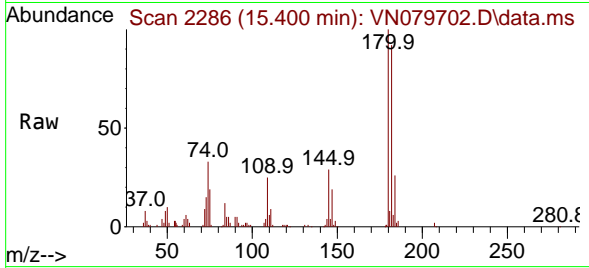
#93  
 1,2,4-Trichlorobenzene  
 Concen: 49.325 ug/l  
 RT: 15.400 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

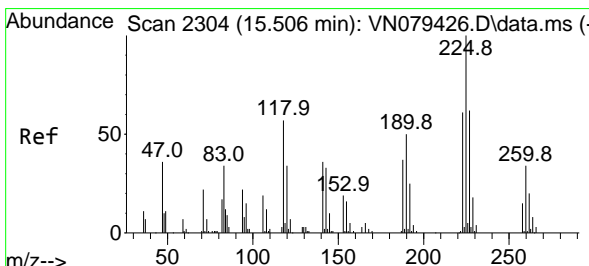
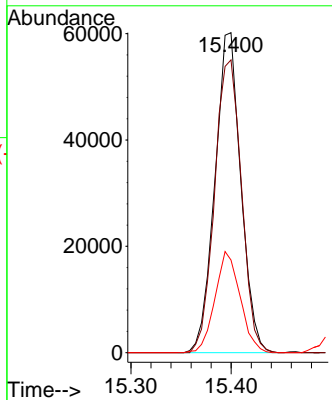
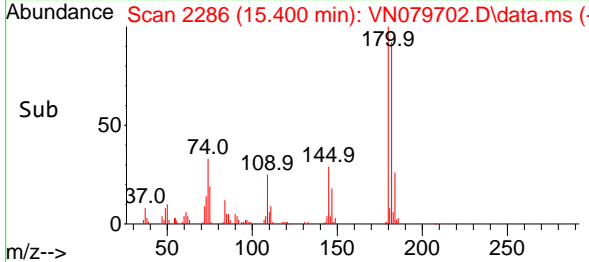


Tgt Ion:180 Resp: 10815  
 Ion Ratio Lower Upper  
 180 100  
 182 94.8 46.1 138.2  
 145 30.6 16.6 49.8

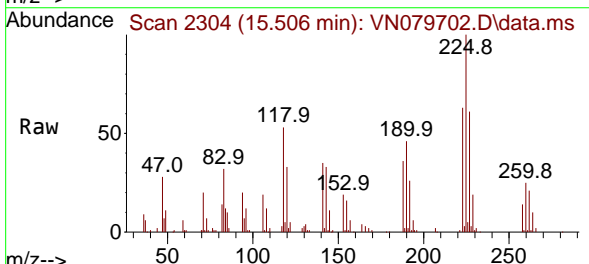
Manual Integrations

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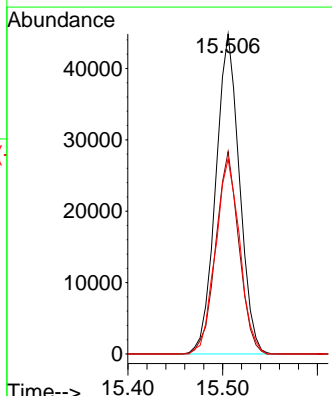
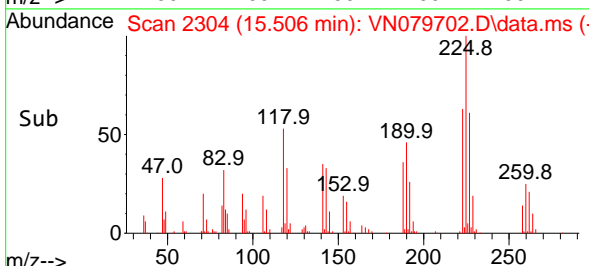
Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023

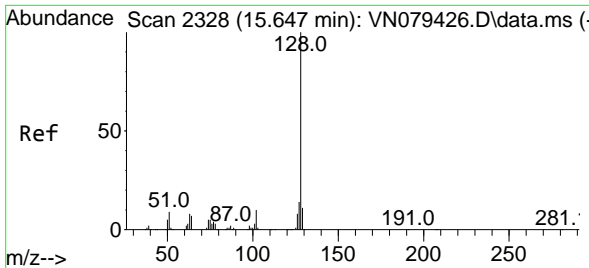


#94  
 Hexachlorobutadiene  
 Concen: 45.609 ug/l  
 RT: 15.506 min Scan# 2304  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



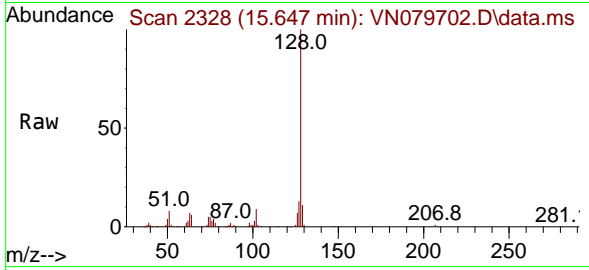
Tgt Ion:225 Resp: 77890  
 Ion Ratio Lower Upper  
 225 100  
 223 61.7 31.3 93.8  
 227 62.3 31.9 95.9





#95  
 Naphthalene  
 Concen: 43.798 ug/l  
 RT: 15.647 min Scan# 2328  
 Delta R.T. -0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12

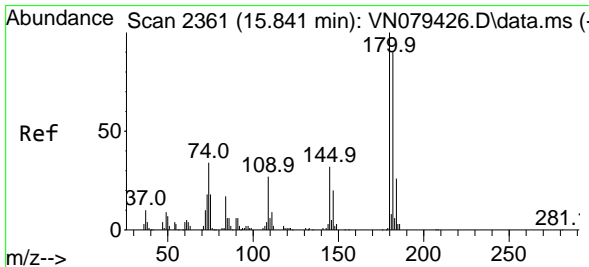
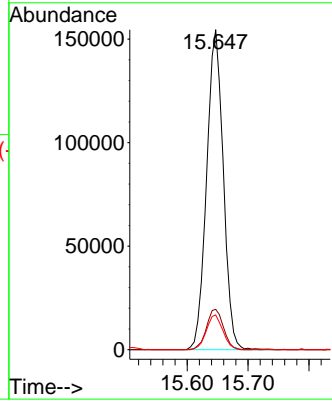
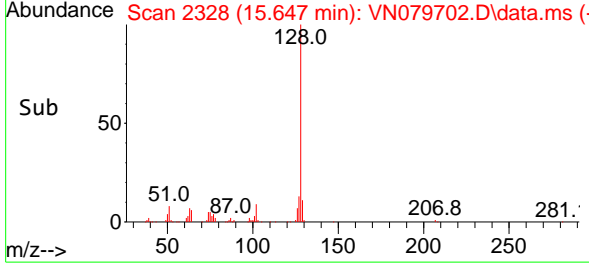
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



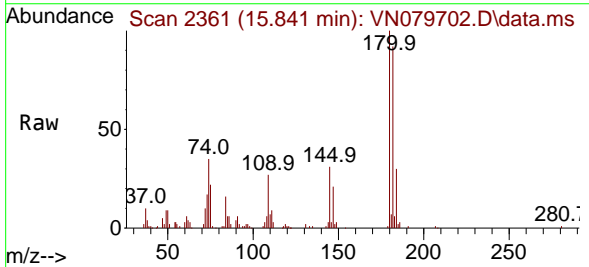
Tgt Ion:128 Resp: 293264  
 Ion Ratio Lower Upper  
 128 100  
 127 12.9 10.0 15.0  
 129 10.8 8.7 13.1

Manual Integrations  
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Reviewed By :John Carlone 10/27/2023  
 Supervised By :Mahesh Dadoda 10/27/2023



#96  
 1,2,3-Trichlorobenzene  
 Concen: 44.165 ug/l  
 RT: 15.841 min Scan# 2361  
 Delta R.T. 0.000 min  
 Lab File: VN079702.D  
 Acq: 26 Oct 2023 18:12



Tgt Ion:180 Resp: 115566  
 Ion Ratio Lower Upper  
 180 100  
 182 92.8 46.2 138.6  
 145 32.6 17.5 52.6

