

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072123\
 Data File : VN078612.D
 Acq On : 21 Jul 2023 14:35
 Operator : JC\MD
 Sample : 03709-04MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWBR-04-400-415-072023MS

Quant Time: Jul 21 23:23:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	463247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	810569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	714868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	310789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	326551	52.582	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.160%			
35) Dibromofluoromethane	8.177	113	280227	50.928	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	10.571	98	1039509	50.009	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.020%			
62) 4-Bromofluorobenzene	12.853	95	338333	52.843	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.680%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	205558	36.192	ug/l	97
3) Chloromethane	2.371	50	288182	46.682	ug/l	94
4) Vinyl Chloride	2.518	62	379965	47.580	ug/l	95
5) Bromomethane	2.948	94	245775	48.510	ug/l	91
6) Chloroethane	3.118	64	260873	54.163	ug/l	95
7) Trichlorofluoromethane	3.500	101	418731	43.864	ug/l	100
8) Diethyl Ether	3.971	74	157014	49.368	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.377	101	206784	40.921	ug/l	95
10) Methyl Iodide	4.595	142	323900	46.645	ug/l	94
11) Tert butyl alcohol	5.536	59	215369	224.893	ug/l	99
12) 1,1-Dichloroethene	4.347	96	292378	59.815	ug/l	90
13) Acrolein	4.195	56	222230	235.863	ug/l	98
14) Allyl chloride	5.030	41	295805	44.287	ug/l	94
15) Acrylonitrile	5.730	53	616913	254.963	ug/l	100
16) Acetone	4.442	43	465297	240.524	ug/l	97
17) Carbon Disulfide	4.718	76	543024	38.418	ug/l	99
18) Methyl Acetate	5.042	43	398853	48.705	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	818836	50.842	ug/l	97
20) Methylene Chloride	5.289	84	278795	50.249	ug/l	94
21) trans-1,2-Dichloroethene	5.800	96	254480	46.199	ug/l	87
22) Diisopropyl ether	6.683	45	778704	52.067	ug/l	96
23) Vinyl Acetate	6.618	43	2355992	247.790	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	503561	49.967	ug/l	97
25) 2-Butanone	7.494	43	764729	251.127	ug/l	89
26) 2,2-Dichloropropane	7.500	77	389599	47.267	ug/l	95
27) cis-1,2-Dichloroethene	7.494	96	394503	61.910	ug/l	97
28) Bromochloromethane	7.824	49	246807	51.996	ug/l	94
29) Tetrahydrofuran	7.847	42	506635	253.552	ug/l	85
30) Chloroform	7.977	83	532352	50.739	ug/l	94
31) Cyclohexane	8.265	56	330532	39.382	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	467378	49.685	ug/l	97
36) 1,1-Dichloropropene	8.377	75	364255	45.847	ug/l	97
37) Ethyl Acetate	7.571	43	317165	47.888	ug/l #	95
38) Carbon Tetrachloride	8.371	117	411425	47.647	ug/l	97
39) Methylcyclohexane	9.606	83	295245	40.712	ug/l #	87
40) Benzene	8.618	78	1143791	48.594	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	180523	53.467	ug/l	91
42) 1,2-Dichloroethane	8.677	62	403027	50.340	ug/l	98
43) Isopropyl Acetate	8.694	43	548790	50.329	ug/l	96
44) Trichloroethene	9.359	130	356575	56.208	ug/l	99
45) 1,2-Dichloropropane	9.629	63	301059	50.501	ug/l	100
46) Dibromomethane	9.718	93	212026	50.532	ug/l	93
47) Bromodichloromethane	9.894	83	426375	50.693	ug/l	98
48) Methyl methacrylate	9.688	41	255070	50.492	ug/l	90
49) 1,4-Dioxane	9.700	88	106408	965.865	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	1710593	263.743	ug/l	93
52) Toluene	10.635	92	1561529	107.042	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	438502	50.890	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	453647	49.391	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	298494	51.933	ug/l	96
56) Ethyl methacrylate	10.882	69	432120	53.783	ug/l	91
57) 1,3-Dichloropropane	11.171	76	491845	50.328	ug/l	100
59) 2-Hexanone	11.200	43	1218202	264.277	ug/l	93
60) Dibromochloromethane	11.365	129	330315	52.057	ug/l	99
61) 1,2-Dibromoethane	11.476	107	300318	50.723	ug/l	98
64) Tetrachloroethene	11.112	164	244030	45.405	ug/l	98
65) Chlorobenzene	11.900	112	780738	48.860	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	308516	50.189	ug/l	98
67) Ethyl Benzene	11.970	91	1378100	51.022	ug/l	99
68) m/p-Xylenes	12.076	106	1032849	103.426	ug/l	98
69) o-Xylene	12.406	106	512247	50.784	ug/l	98
70) Styrene	12.418	104	837412	53.067	ug/l	98
71) Bromoform	12.582	173	224339	53.887	ug/l #	99
73) Isopropylbenzene	12.700	105	1257806	43.071	ug/l	98
74) N-amyl acetate	12.500	43	449207	44.635	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	428332	52.680	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	333899m	44.448	ug/l	
77) Bromobenzene	12.982	156	306706	48.241	ug/l	96
78) n-propylbenzene	13.041	91	1399543	44.813	ug/l	99
79) 2-Chlorotoluene	13.129	91	884457	43.235	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	1027682	44.538	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	124553	43.570	ug/l	92
82) 4-Chlorotoluene	13.223	91	858219	44.972	ug/l	98
83) tert-Butylbenzene	13.441	119	875845	44.709	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	1011810	45.145	ug/l	98
85) sec-Butylbenzene	13.623	105	1104129	44.590	ug/l	99
86) p-Isopropyltoluene	13.735	119	906167	45.576	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	517642	46.173	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	502711	44.519	ug/l	99
89) n-Butylbenzene	14.059	91	666867	46.876	ug/l	98
90) Hexachloroethane	14.341	117	176520	48.275	ug/l	83
91) 1,2-Dichlorobenzene	14.112	146	507272	45.467	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	65808	46.954	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	161545	45.368	ug/l	99
94) Hexachlorobutadiene	15.506	225	92755	50.387	ug/l	98
95) Naphthalene	15.647	128	477799	39.251	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	175808	42.940	ug/l	97

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration

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

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

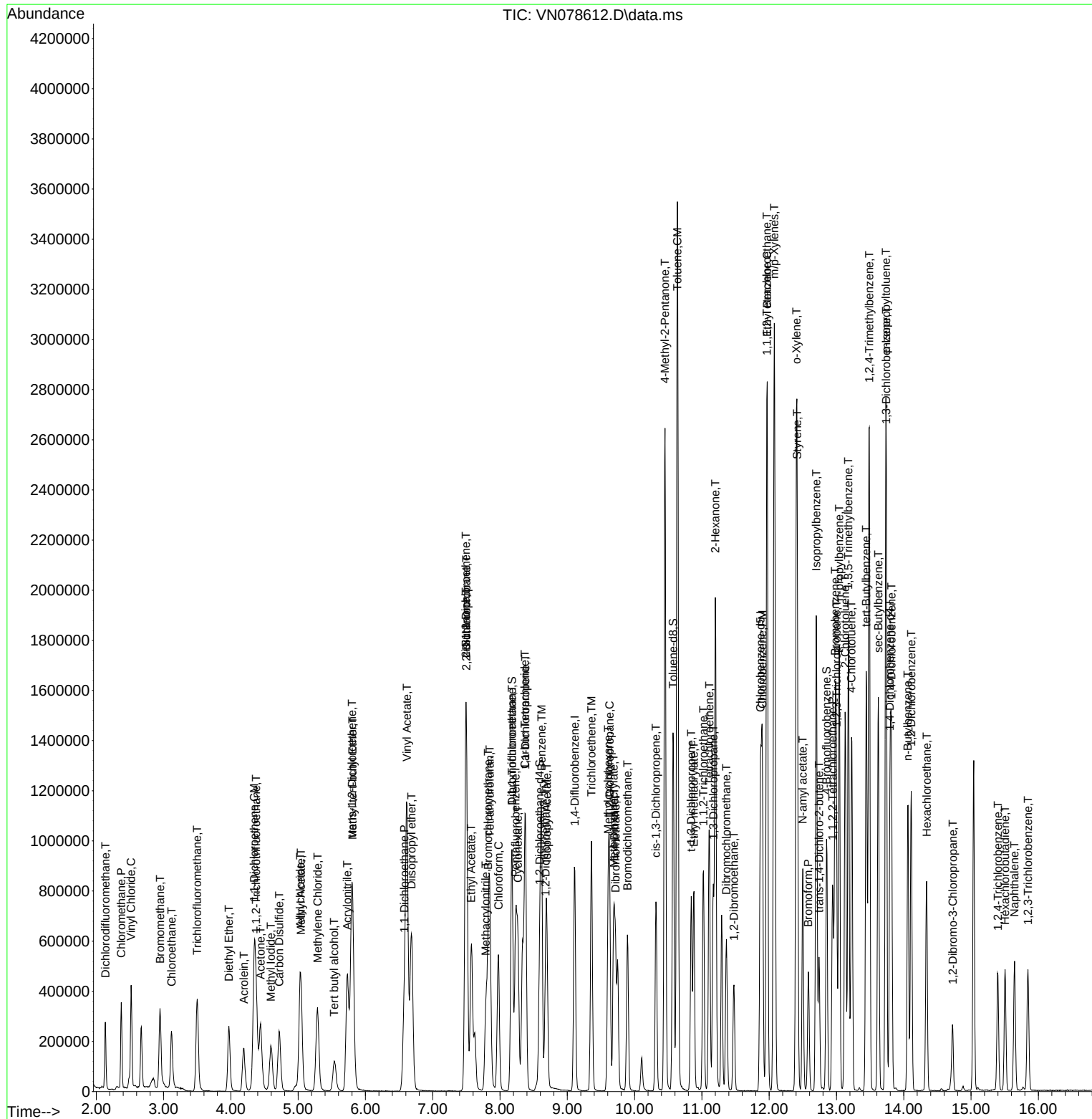
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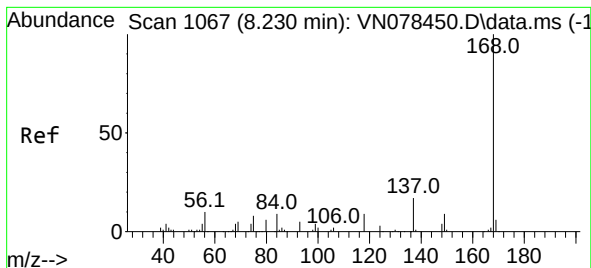
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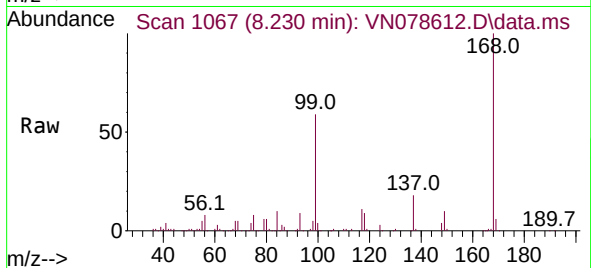
Reviewed By : John Carlone 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN078612.D
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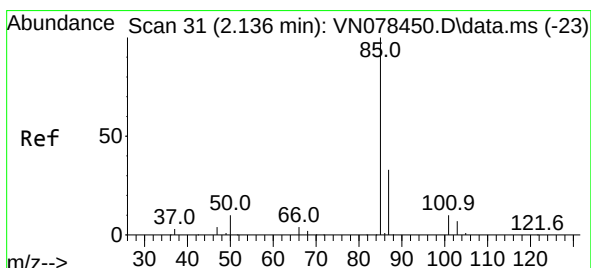
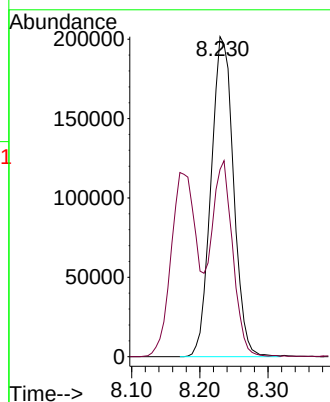
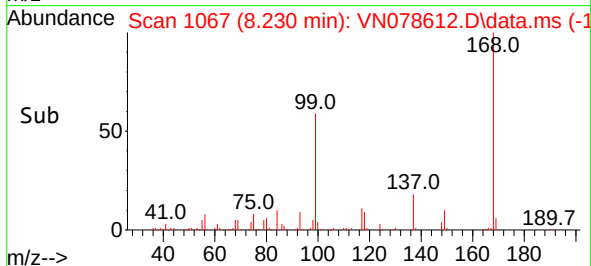
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



Tgt Ion:168 Resp: 46324
Ion Ratio Lower Upper
168 100
99 58.4 53.0 79.6

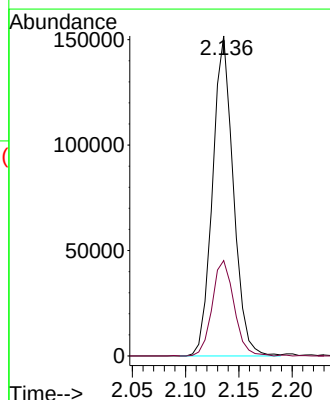
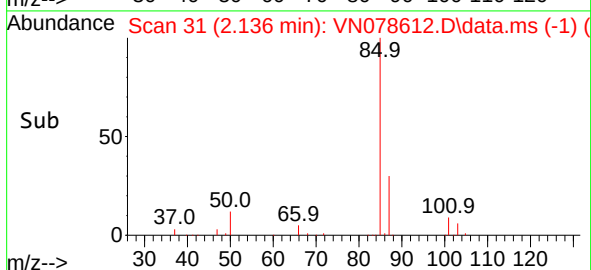
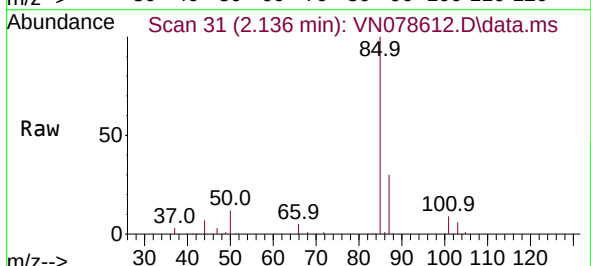
Manual Integrations
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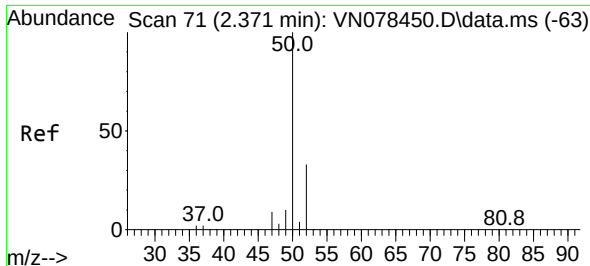
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#2
Dichlorodifluoromethane
Concen: 36.192 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

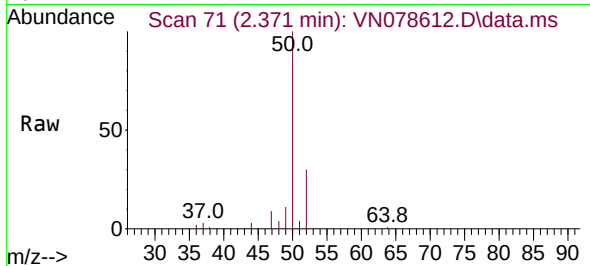
Tgt Ion: 85 Resp: 205558
Ion Ratio Lower Upper
85 100
87 29.8 15.8 47.4





#3
Chloromethane
Concen: 46.682 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

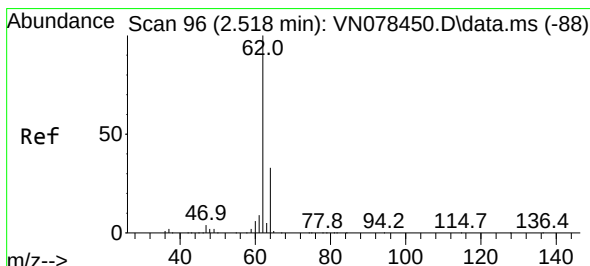
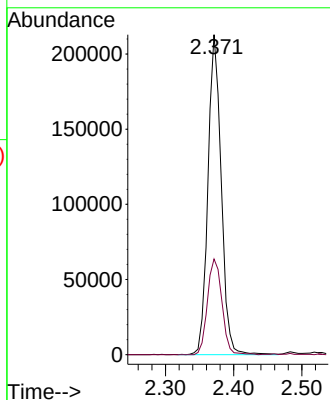
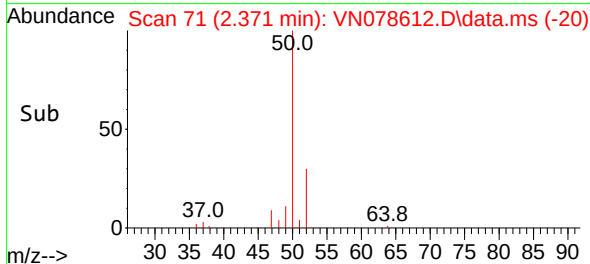
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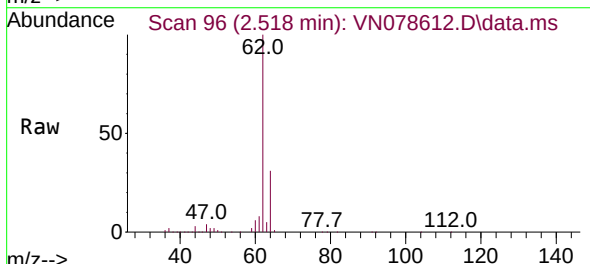
Tgt Ion: 50 Resp: 28818
Ion Ratio Lower Upper
50 100
52 29.9 26.5 39.7

Manual Integrations
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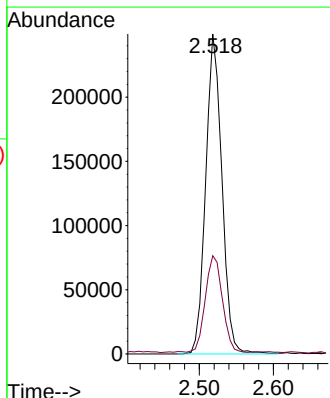
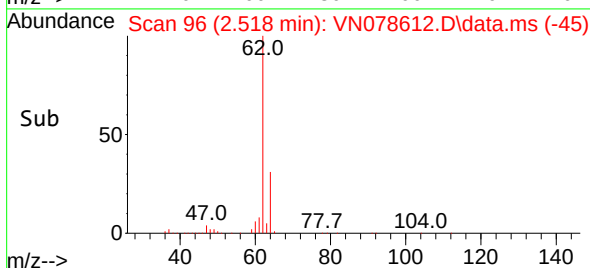
Reviewed By :John Carlone 07/24/2023
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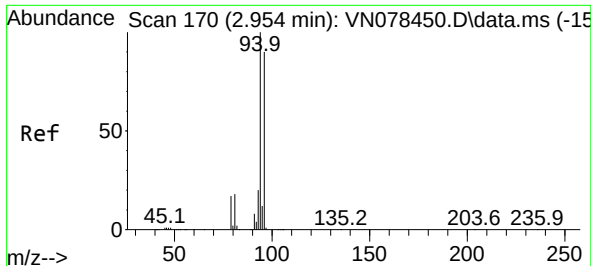


#4
Vinyl Chloride
Concen: 47.580 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35



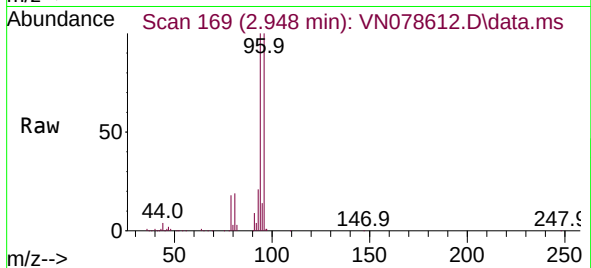
Tgt Ion: 62 Resp: 379965
Ion Ratio Lower Upper
62 100
64 30.1 26.2 39.2





#5
Bromomethane
Concen: 48.510 ug/l
RT: 2.948 min Scan# 170
Delta R.T. -0.006 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

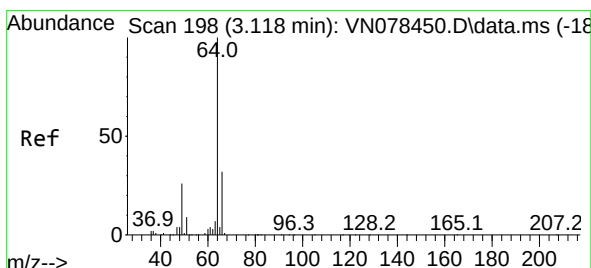
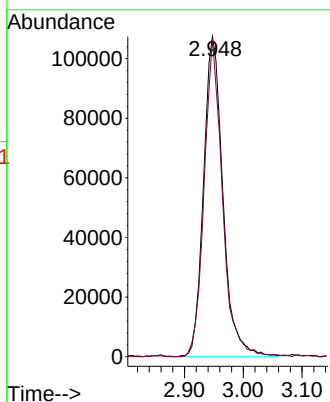
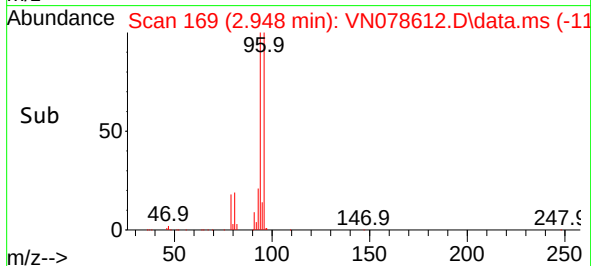
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Tgt Ion: 94 Resp: 245775
Ion Ratio Lower Upper
94 100
96 99.6 73.1 109.7

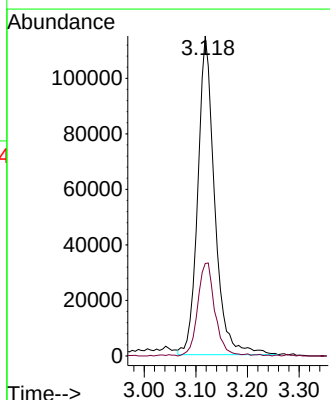
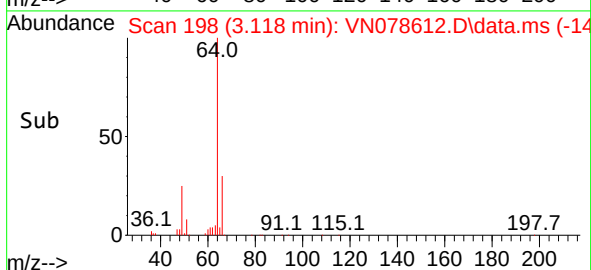
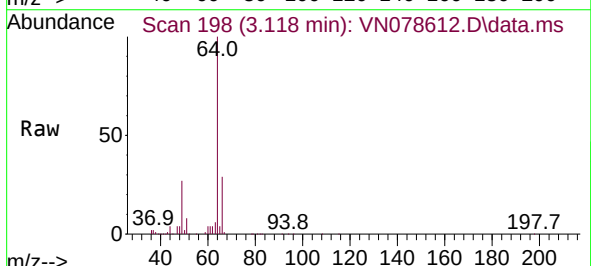
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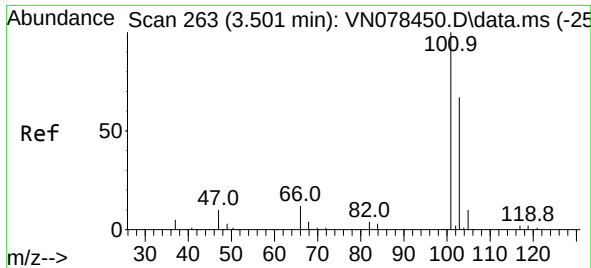
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#6
Chloroethane
Concen: 54.163 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

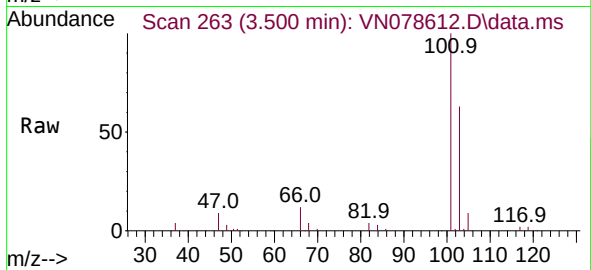
Tgt Ion: 64 Resp: 260873
Ion Ratio Lower Upper
64 100
66 29.0 25.4 38.2





#7
 Trichlorofluoromethane
 Concen: 43.864 ug/l
 RT: 3.500 min Scan# 210
 Delta R.T. -0.001 min
 Lab File: VN078612.D
 Acq: 21 Jul 2023 14:35

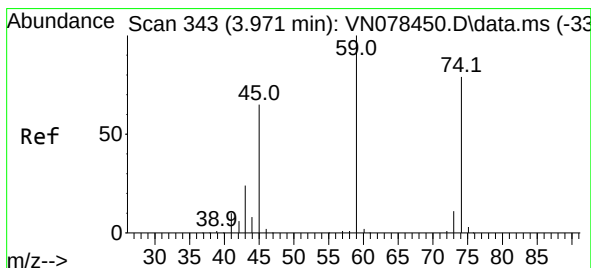
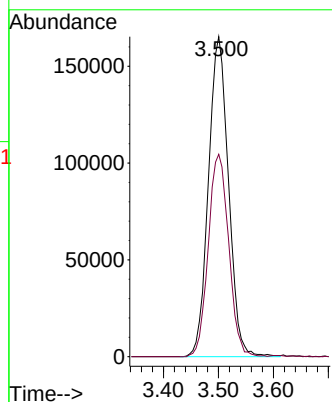
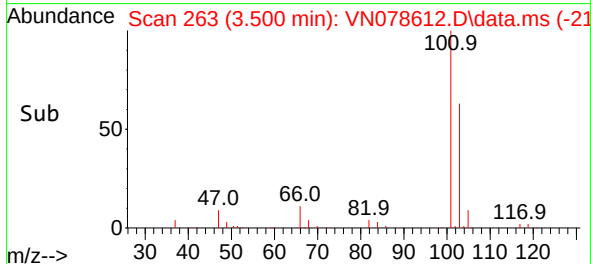
Instrument : MSVOA_N
 ClientSampleId : GWBR-04-400-415-072023MS



Tgt Ion:101 Resp: 41873
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.7 76.1

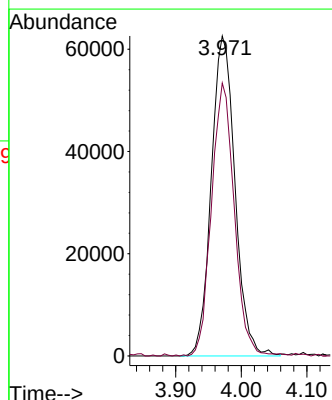
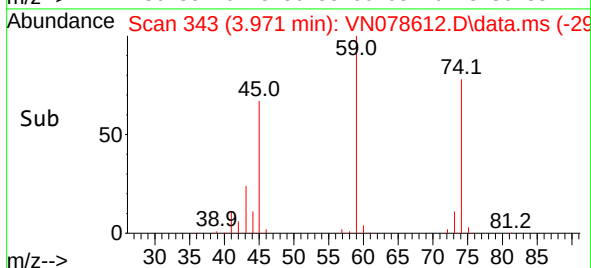
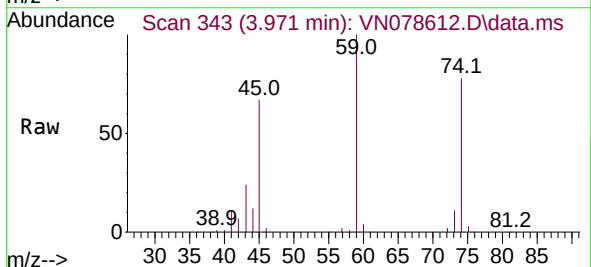
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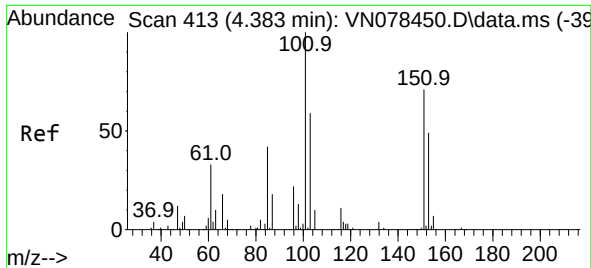
Reviewed By :John Carlone 07/24/2023
 Supervised By :Mahesh Dadoda 07/24/2023



#8
 Diethyl Ether
 Concen: 49.368 ug/l
 RT: 3.971 min Scan# 343
 Delta R.T. 0.000 min
 Lab File: VN078612.D
 Acq: 21 Jul 2023 14:35

Tgt Ion: 74 Resp: 157014
 Ion Ratio Lower Upper
 74 100
 45 82.0 34.4 103.3





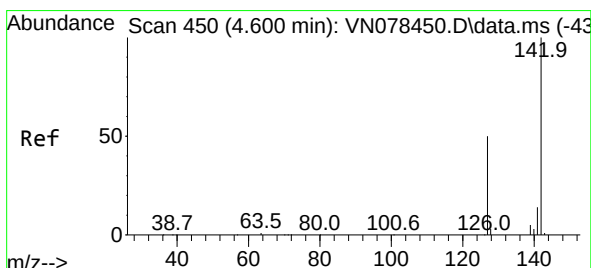
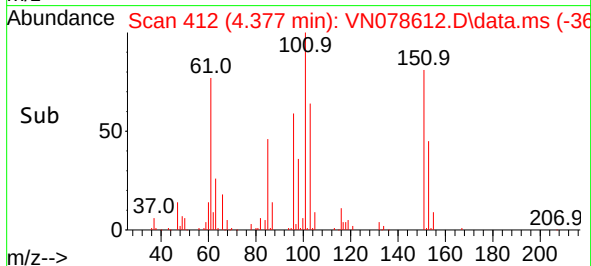
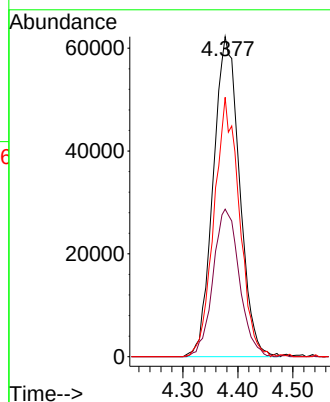
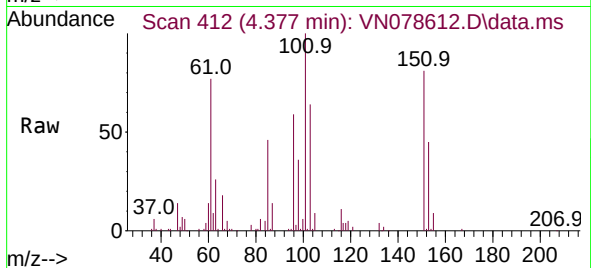
#9
1,1,2-Trichlorotrifluoroethane
Concen: 40.921 ug/l
RT: 4.377 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS

Tgt Ion:101 Resp: 206784
Ion Ratio Lower Upper
101 100
85 46.1 36.6 55.0
151 78.1 57.6 86.4

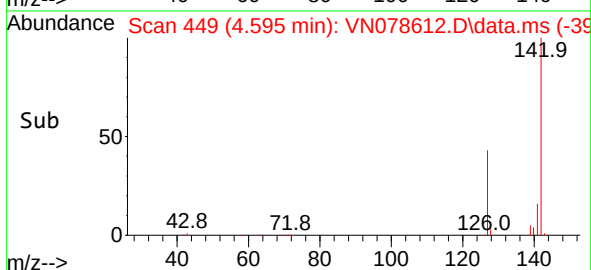
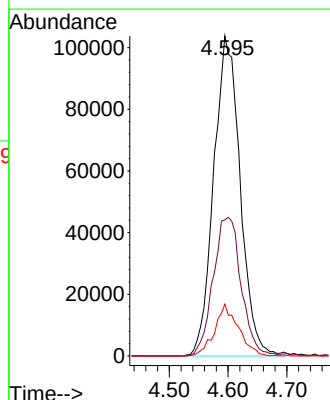
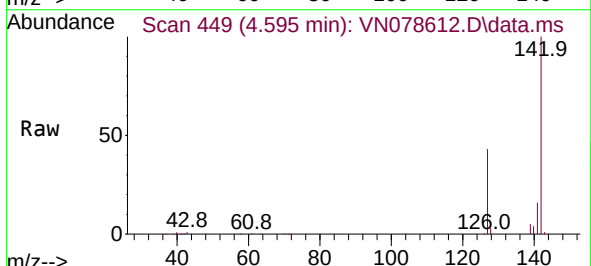
Manual Integrations
APPROVED

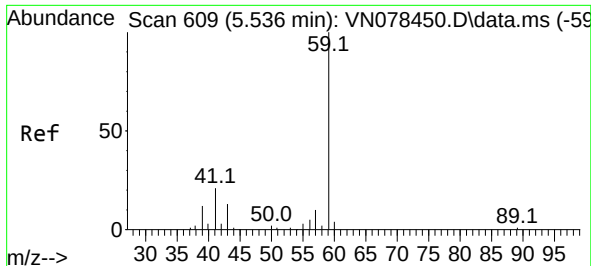
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#10
Methyl Iodide
Concen: 46.645 ug/l
RT: 4.595 min Scan# 449
Delta R.T. -0.005 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

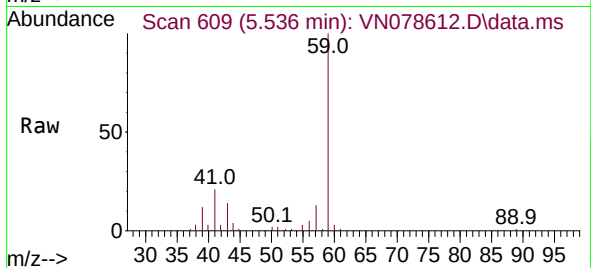
Tgt Ion:142 Resp: 323900
Ion Ratio Lower Upper
142 100
127 42.6 37.6 56.4
141 16.2 11.4 17.0





#11
Tert butyl alcohol
Concen: 224.893 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

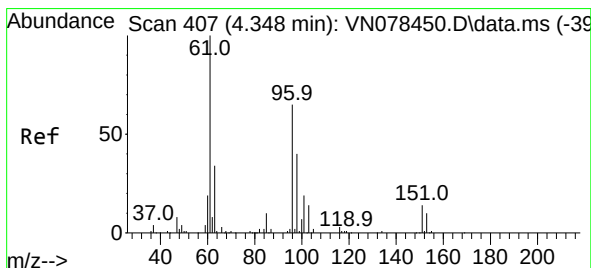
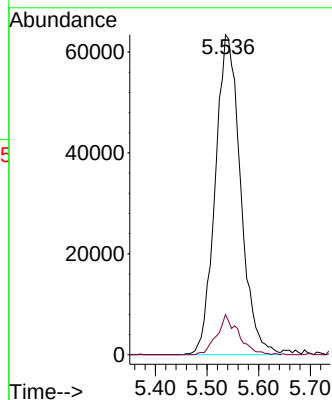
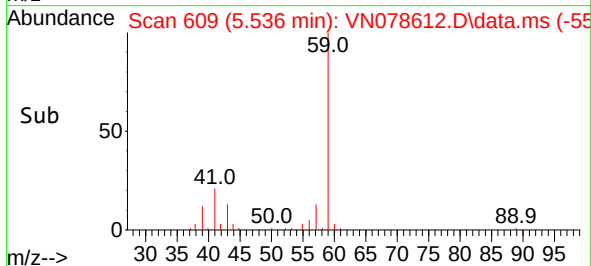
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MS



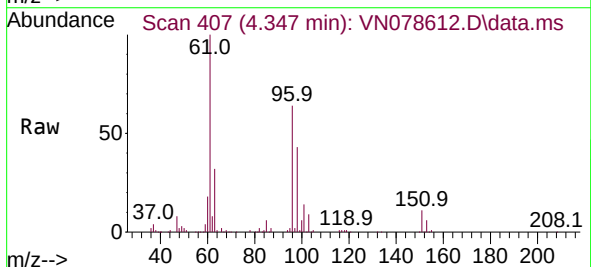
Tgt Ion: 59 Resp: 215369
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4

Manual Integrations
APPROVED

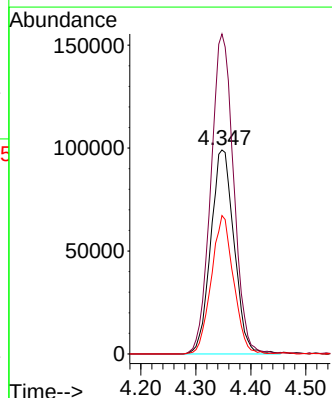
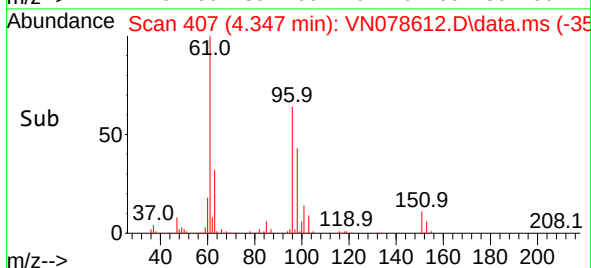
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

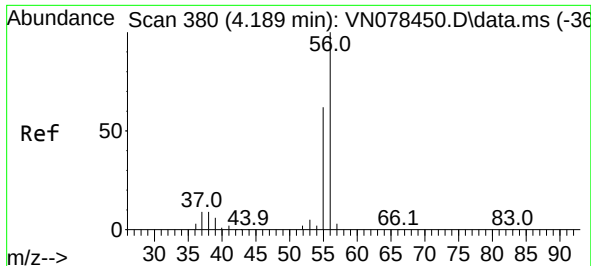


#12
1,1-Dichloroethene
Concen: 59.815 ug/l
RT: 4.347 min Scan# 407
Delta R.T. -0.001 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35



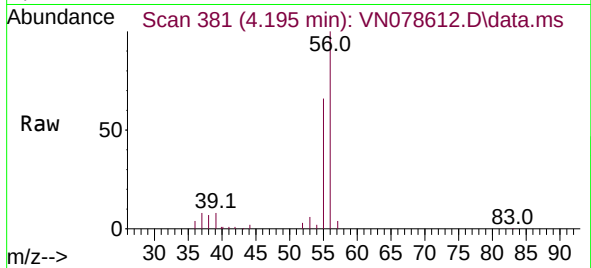
Tgt Ion: 96 Resp: 292378
Ion Ratio Lower Upper
96 100
61 156.8 112.7 169.1
98 67.8 51.2 76.8





#13
Acrolein
Concen: 235.863 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

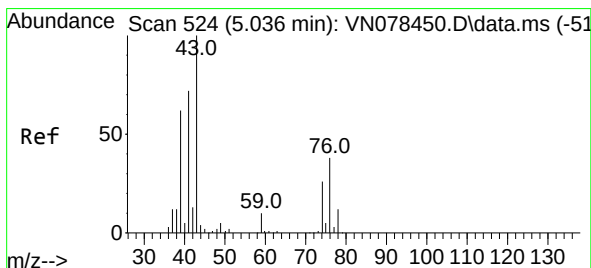
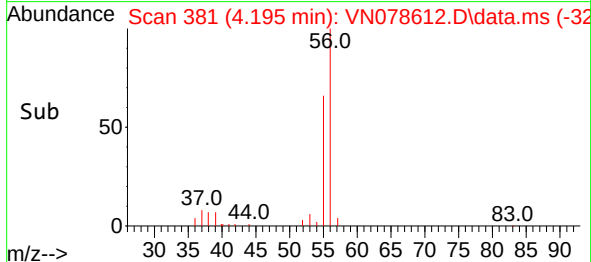
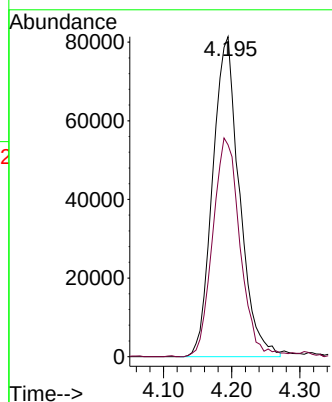
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



Tgt Ion: 56 Resp: 222230
Ion Ratio Lower Upper
56 100
55 69.9 54.5 81.7

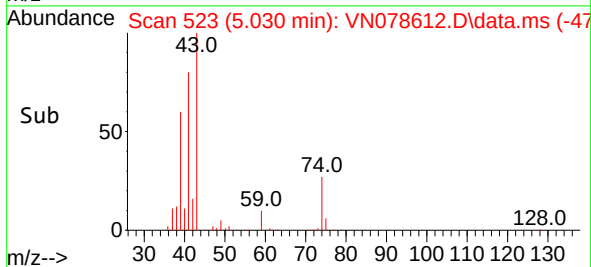
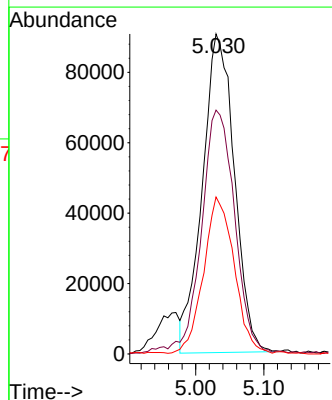
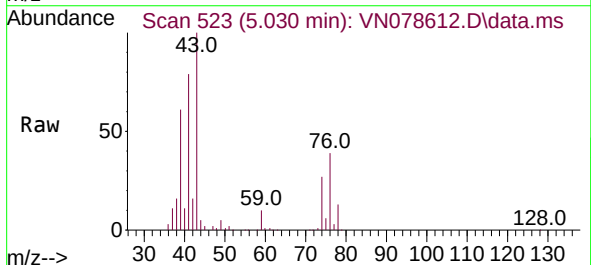
Manual Integrations
APPROVED

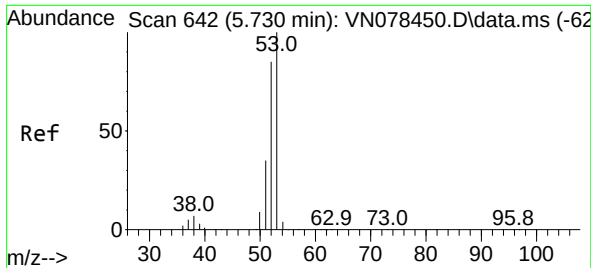
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#14
Allyl chloride
Concen: 44.287 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

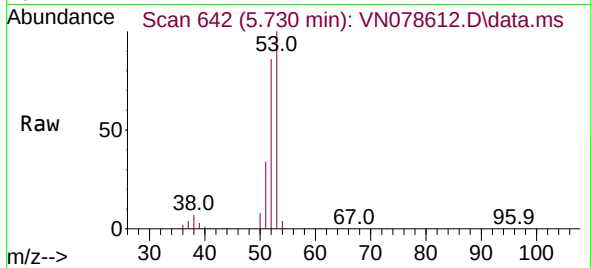
Tgt Ion: 41 Resp: 295805
Ion Ratio Lower Upper
41 100
39 80.6 58.8 88.2
76 46.8 39.1 58.7





#15
Acrylonitrile
Concen: 254.963 ug/l
RT: 5.730 min Scan# 642
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

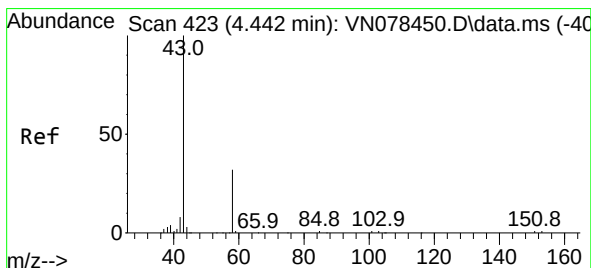
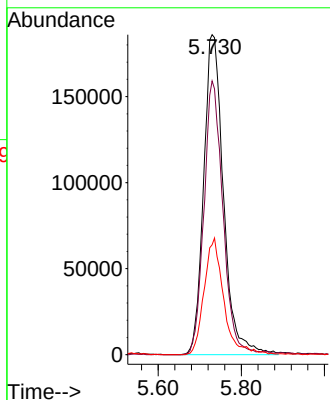
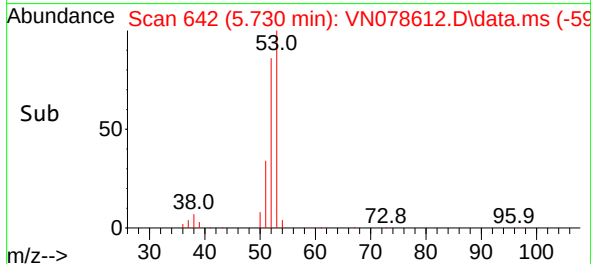
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MS



Tgt Ion: 53 Resp: 616911
Ion Ratio Lower Upper
53 100
52 81.8 65.3 97.9
51 36.1 28.9 43.3

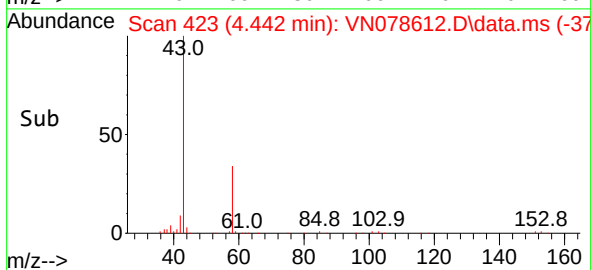
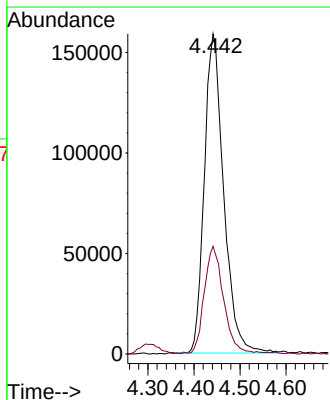
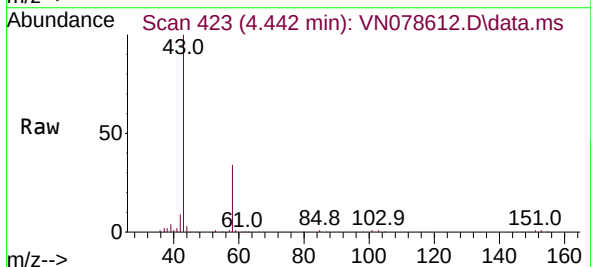
Manual Integrations
APPROVED

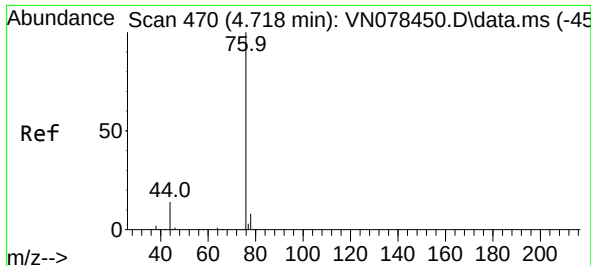
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#16
Acetone
Concen: 240.524 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

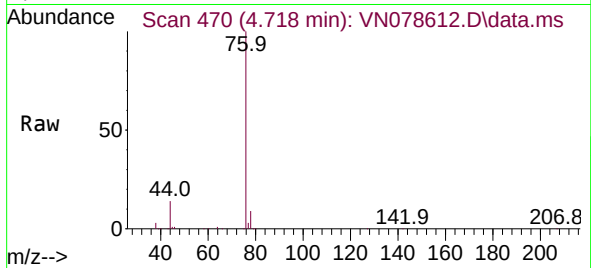
Tgt Ion: 43 Resp: 465297
Ion Ratio Lower Upper
43 100
58 33.4 28.0 42.0





#17
Carbon Disulfide
Concen: 38.418 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

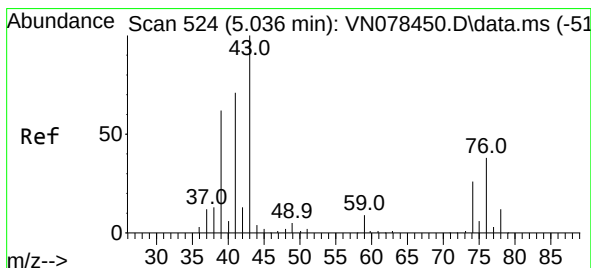
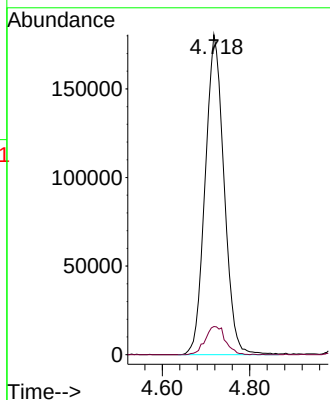
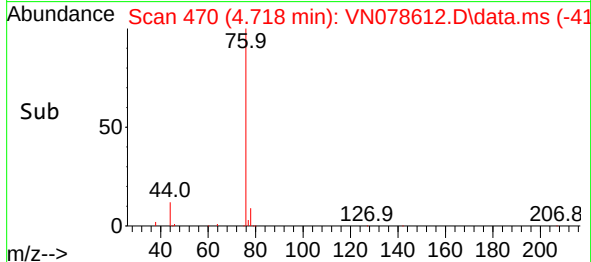
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



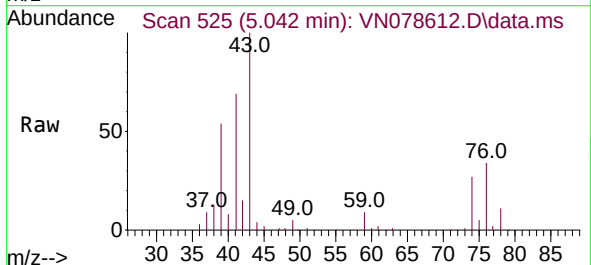
Tgt Ion: 76 Resp: 543024
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

Manual Integrations
APPROVED

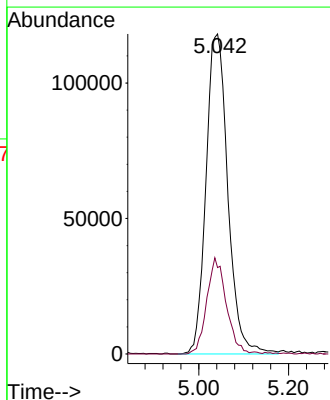
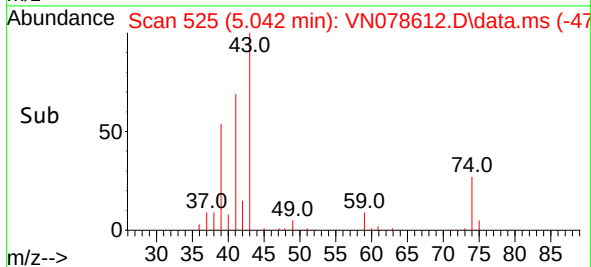
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

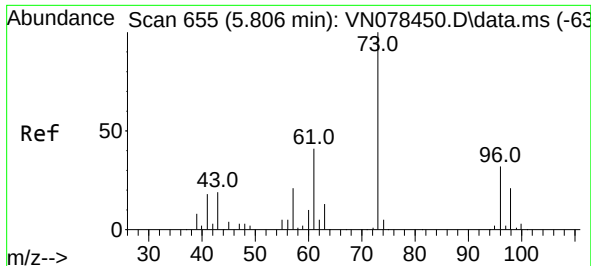


#18
Methyl Acetate
Concen: 48.705 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35



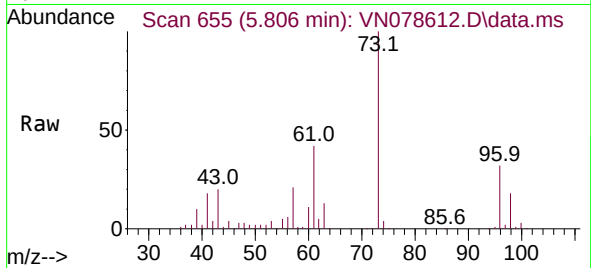
Tgt Ion: 43 Resp: 398853
Ion Ratio Lower Upper
43 100
74 26.9 26.2 39.4





#19
Methyl tert-butyl Ether
Concen: 50.842 ug/l
RT: 5.806 min Scan# 611
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

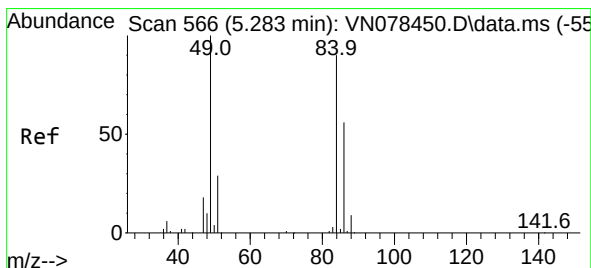
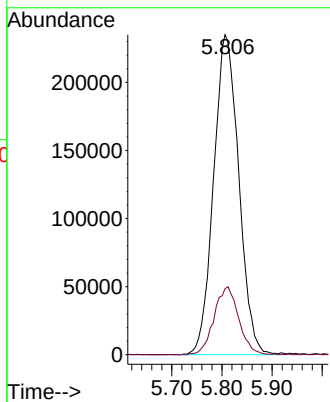
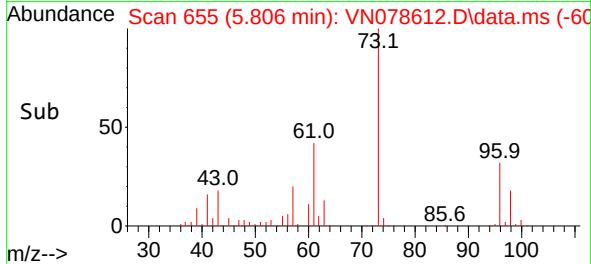
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



Tgt Ion: 73 Resp: 818836
Ion Ratio Lower Upper
73 100
57 20.7 15.6 23.4

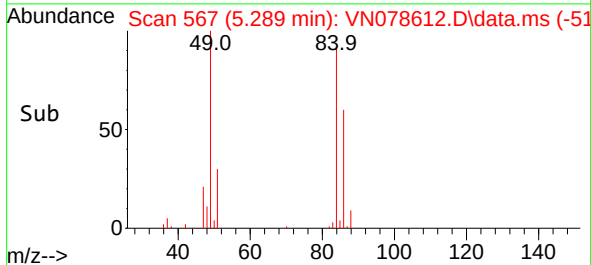
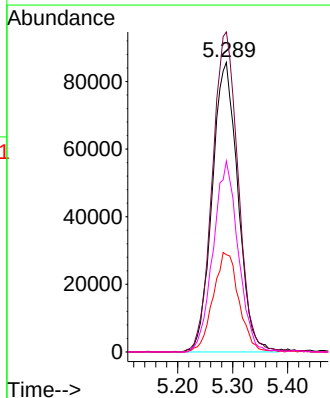
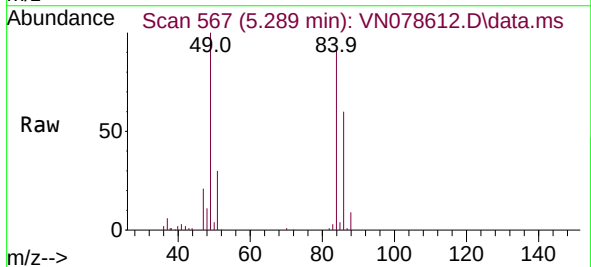
Manual Integrations
APPROVED

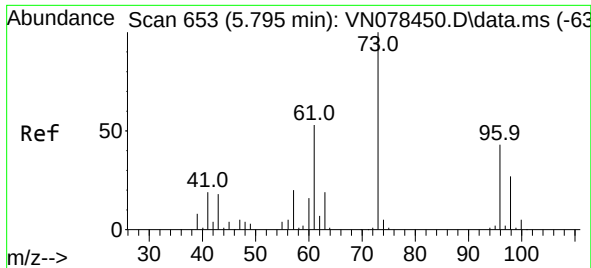
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#20
Methylene Chloride
Concen: 50.249 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

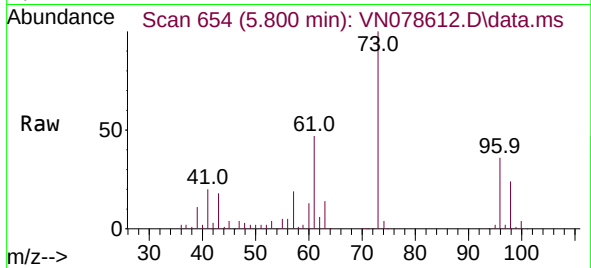
Tgt Ion: 84 Resp: 278795
Ion Ratio Lower Upper
84 100
49 110.5 79.7 119.5
51 33.6 25.2 37.8
86 65.9 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 46.199 ug/l
RT: 5.800 min Scan# 612
Delta R.T. 0.005 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

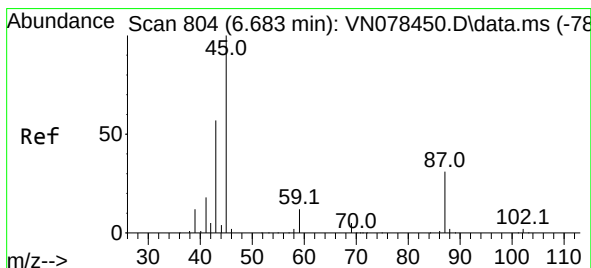
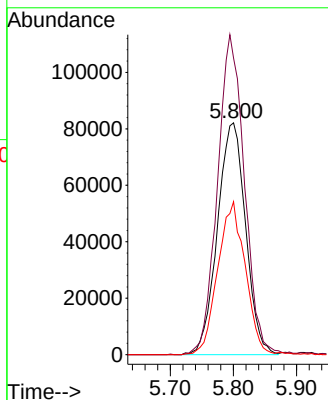
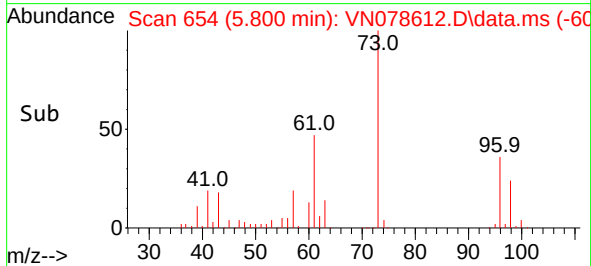
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



Tgt Ion: 96 Resp: 254480
Ion Ratio Lower Upper
96 100
61 127.9 90.1 135.1
98 65.9 46.4 69.6

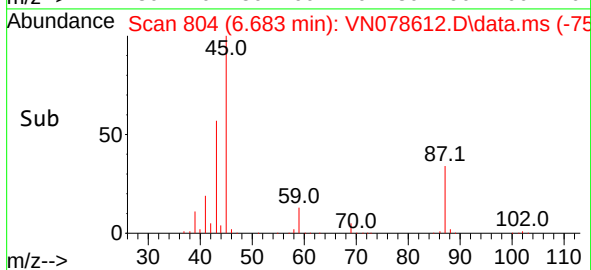
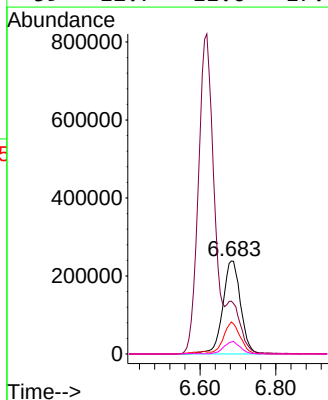
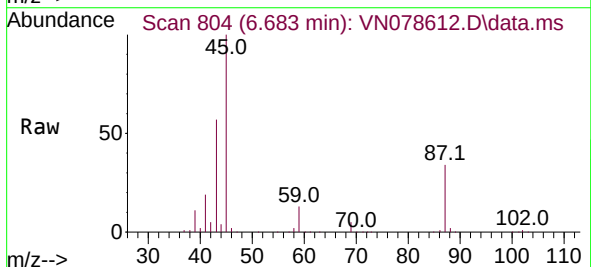
Manual Integrations
APPROVED

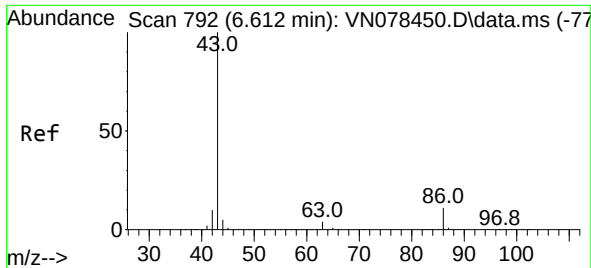
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#22
Diisopropyl ether
Concen: 52.067 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

Tgt Ion: 45 Resp: 778704
Ion Ratio Lower Upper
45 100
43 56.6 45.5 68.3
87 34.5 31.8 47.8
59 12.7 11.6 17.4





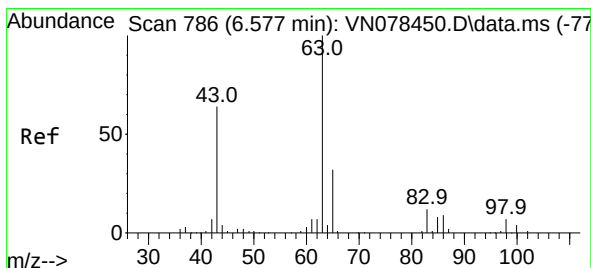
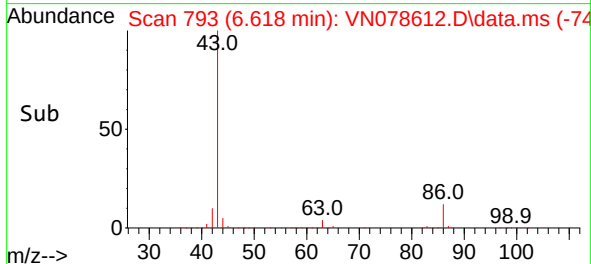
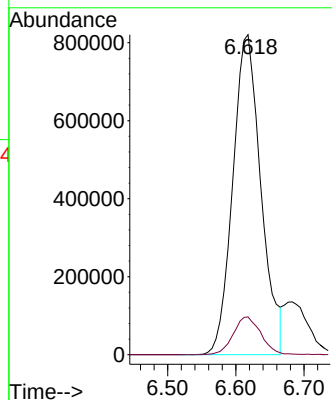
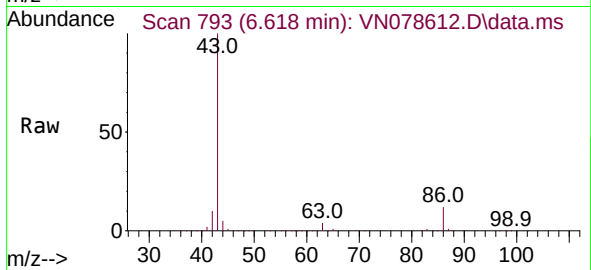
#23
 Vinyl Acetate
 Concen: 247.790 ug/l
 RT: 6.618 min Scan# 792
 Delta R.T. 0.006 min
 Lab File: VN078612.D
 Acq: 21 Jul 2023 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 GWBR-04-400-415-072023MS

Tgt Ion: 43 Resp: 2355992
 Ion Ratio Lower Upper
 43 100
 86 11.8 13.0 19.6

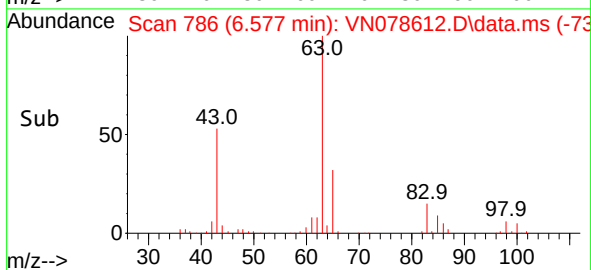
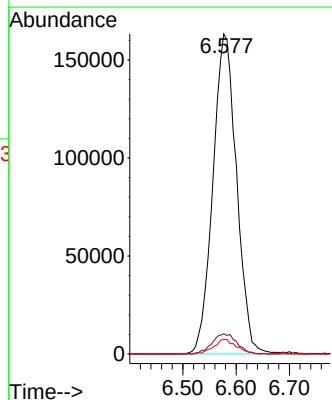
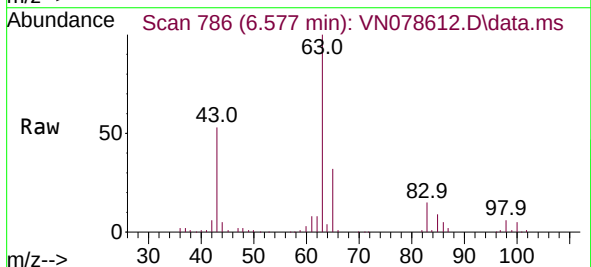
Manual Integrations
 APPROVED

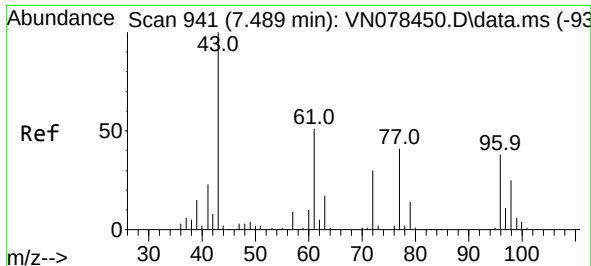
Reviewed By :John Carlone 07/24/2023
 Supervised By :Mahesh Dadoda 07/24/2023



#24
 1,1-Dichloroethane
 Concen: 49.967 ug/l
 RT: 6.577 min Scan# 786
 Delta R.T. -0.000 min
 Lab File: VN078612.D
 Acq: 21 Jul 2023 14:35

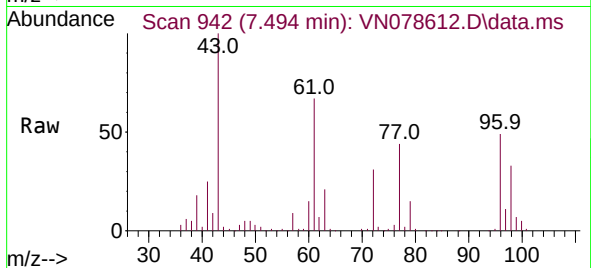
Tgt Ion: 63 Resp: 503561
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.9 11.7
 100 4.5 2.5 7.4





#25
2-Butanone
Concen: 251.127 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.005 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

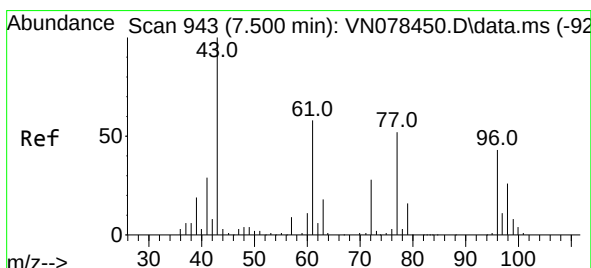
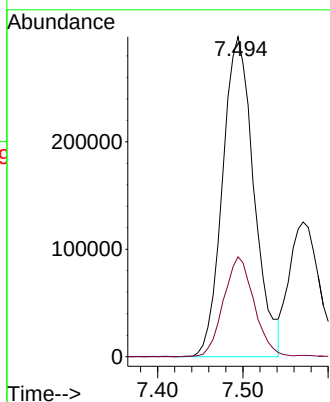
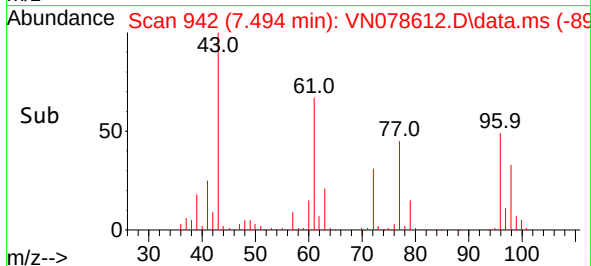
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



Tgt Ion: 43 Resp: 764729
Ion Ratio Lower Upper
43 100
72 31.2 30.2 45.2

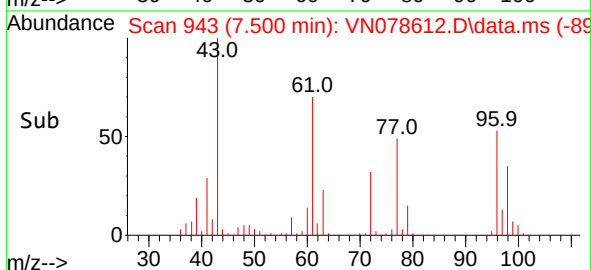
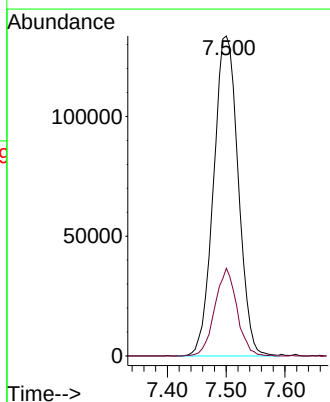
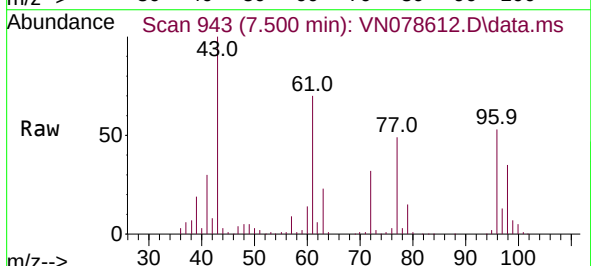
Manual Integrations
APPROVED

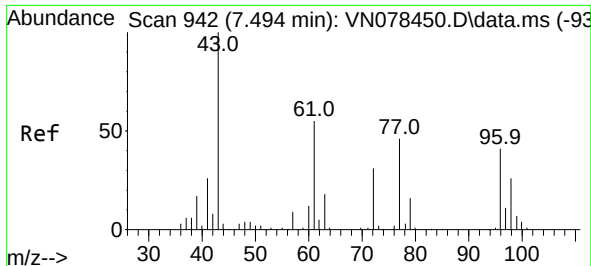
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#26
2,2-Dichloropropane
Concen: 47.267 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

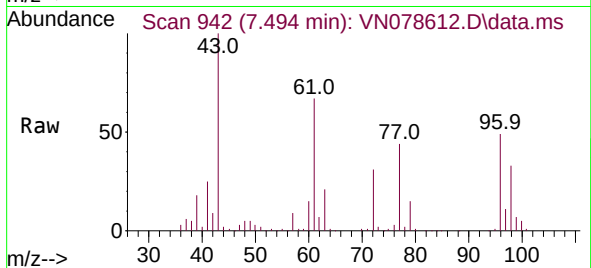
Tgt Ion: 77 Resp: 389599
Ion Ratio Lower Upper
77 100
97 24.6 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 61.910 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. 0.000 min
 Lab File: VN078612.D
 Acq: 21 Jul 2023 14:35

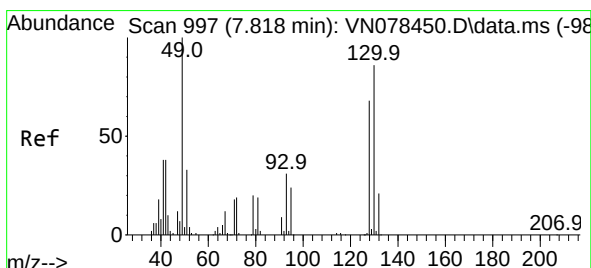
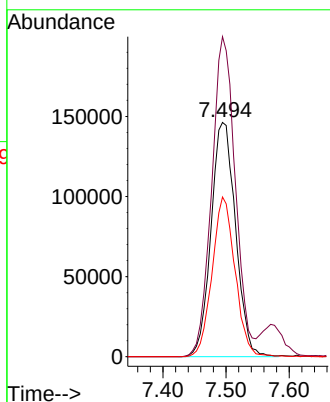
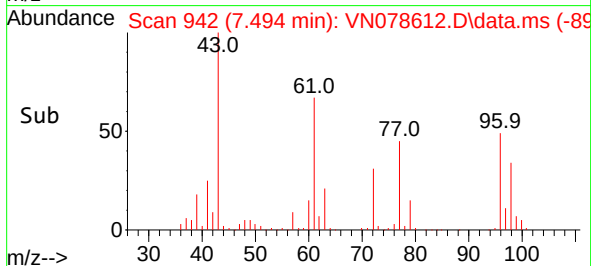
Instrument :
 MSVOA_N
 ClientSampleId :
 GWBR-04-400-415-072023MS



Tgt Ion: 96 Resp: 39450
 Ion Ratio Lower Upper
 96 100
 61 132.1 0.0 255.2
 98 63.9 0.0 128.8

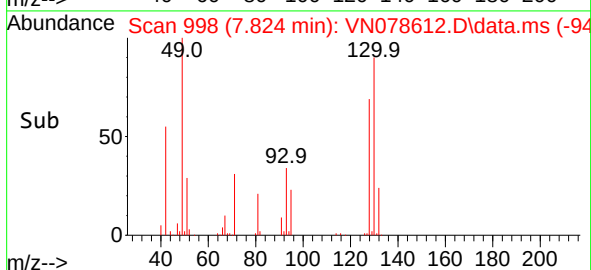
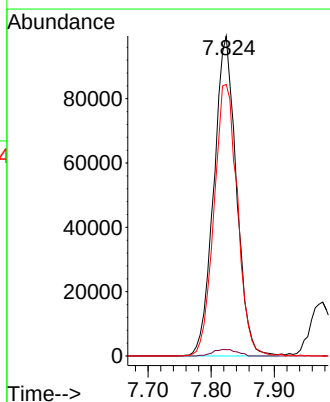
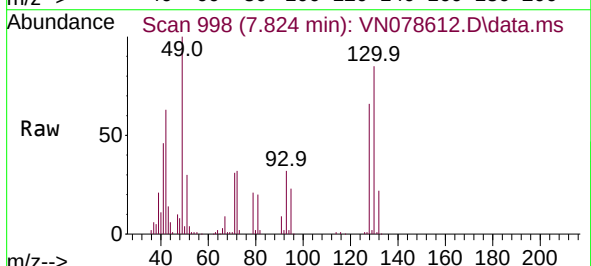
Manual Integrations
 APPROVED

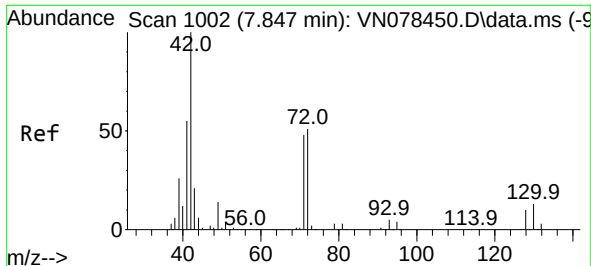
Reviewed By :John Carlone 07/24/2023
 Supervised By :Mahesh Dadoda 07/24/2023



#28
 Bromochloromethane
 Concen: 51.996 ug/l
 RT: 7.824 min Scan# 998
 Delta R.T. 0.006 min
 Lab File: VN078612.D
 Acq: 21 Jul 2023 14:35

Tgt Ion: 49 Resp: 246807
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.8
 130 88.1 75.3 112.9





#29

Tetrahydrofuran

Concen: 253.552 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VN078612.D

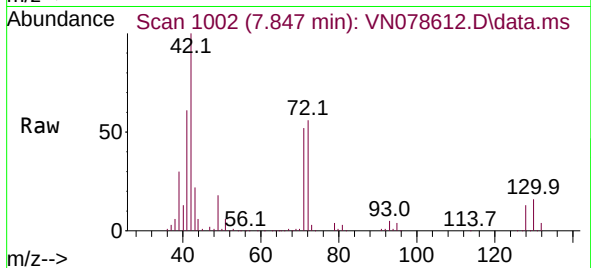
Acq: 21 Jul 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MS



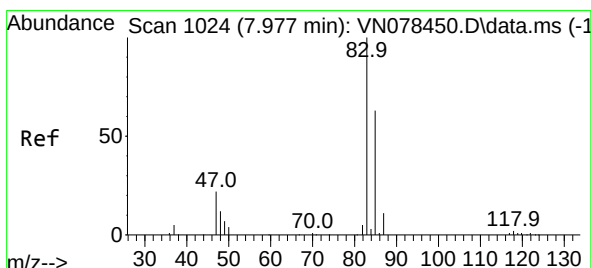
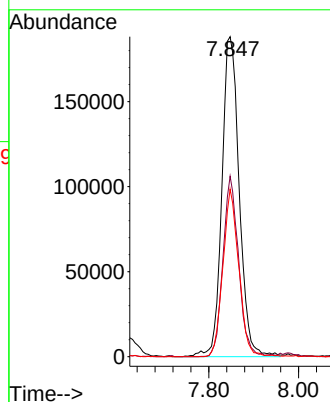
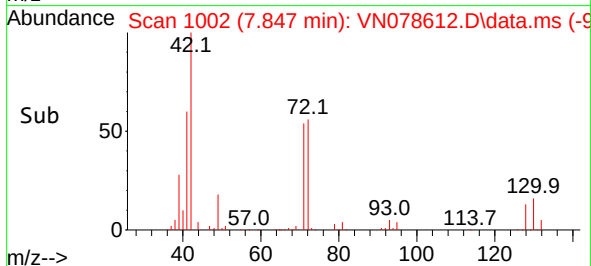
Tgt Ion:	42	Resp:	50663
Ion Ratio	100	Lower	Upper
42	100		
72	50.7	49.8	74.6
71	47.9	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#30

Chloroform

Concen: 50.739 ug/l

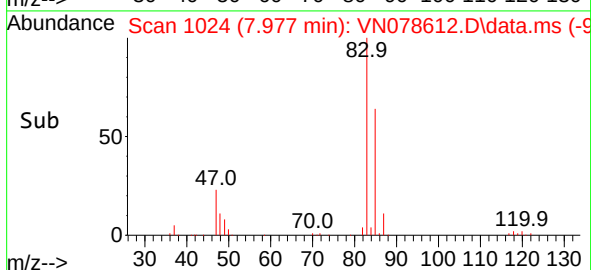
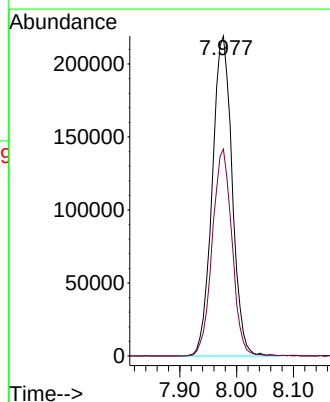
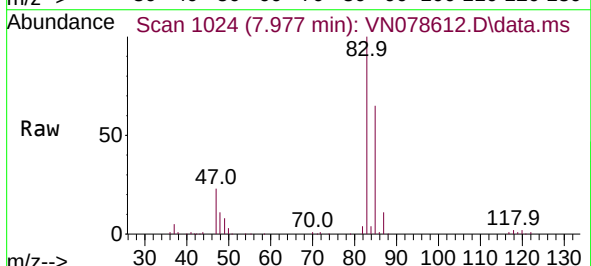
RT: 7.977 min Scan# 1024

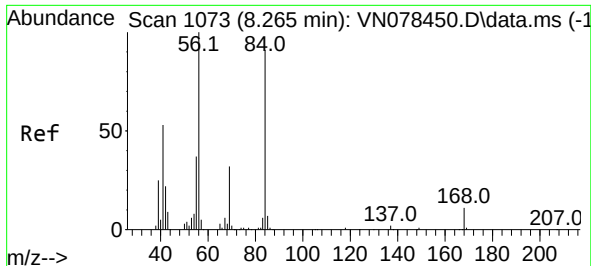
Delta R.T. -0.000 min

Lab File: VN078612.D

Acq: 21 Jul 2023 14:35

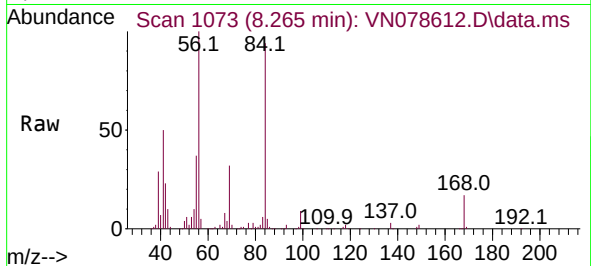
Tgt Ion:	83	Resp:	532352
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	55.4	83.0





#31
Cyclohexane
Concen: 39.382 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

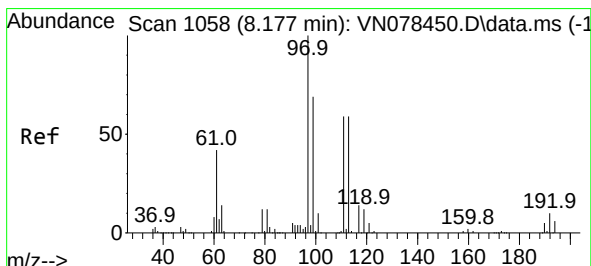
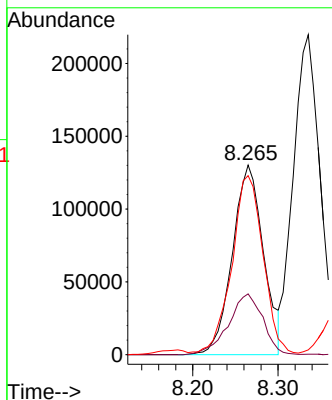
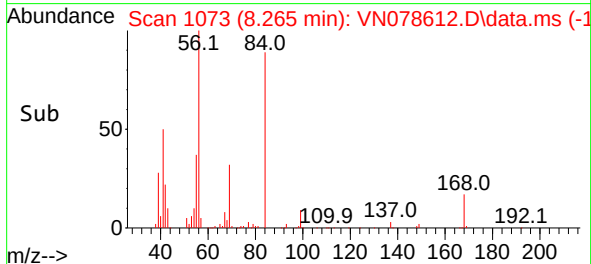
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MS



Tgt Ion: 56 Resp: 330532
Ion Ratio Lower Upper
56 100
69 32.1 26.8 40.2
84 91.9 81.8 122.6

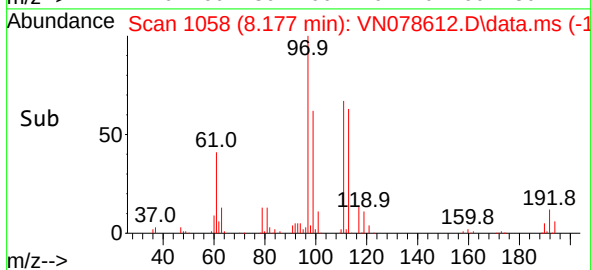
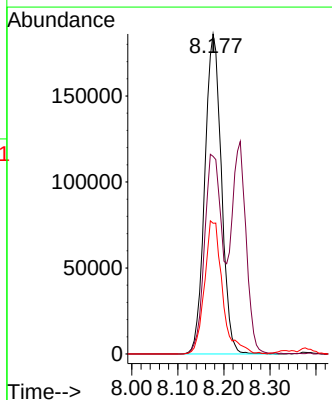
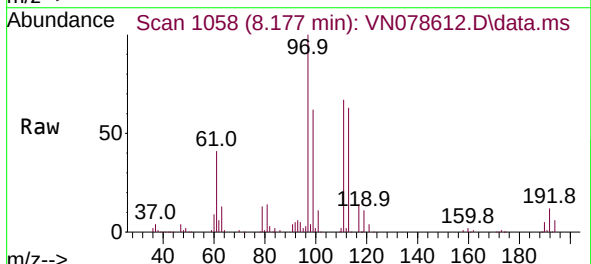
Manual Integrations
APPROVED

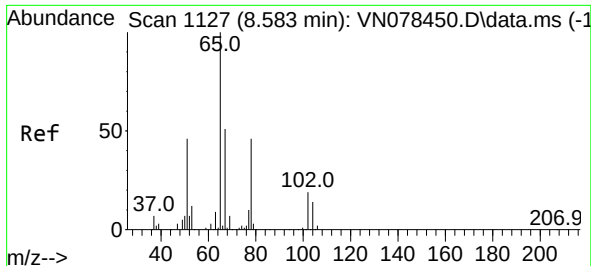
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#32
1,1,1-Trichloroethane
Concen: 49.685 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

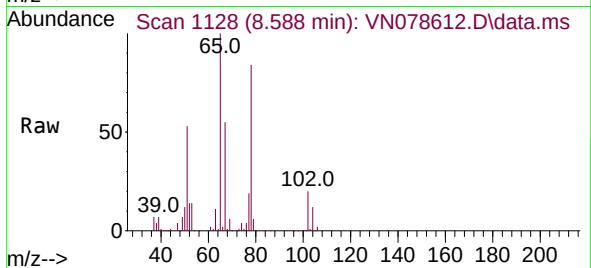
Tgt Ion: 97 Resp: 467378
Ion Ratio Lower Upper
97 100
99 66.0 50.3 75.5
61 44.9 34.7 52.1





#33
1,2-Dichloroethane-d4
Concen: 52.582 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

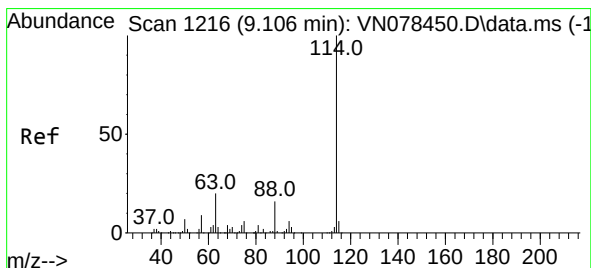
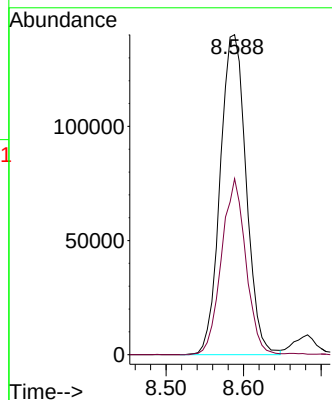
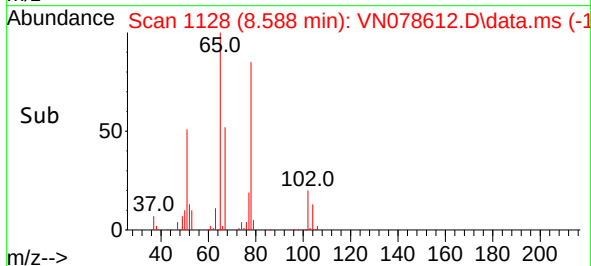
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



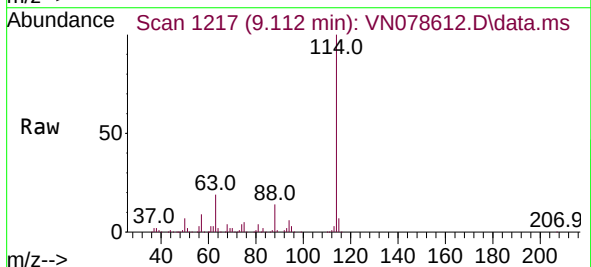
Tgt Ion: 65 Resp: 32655
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.6

Manual Integrations
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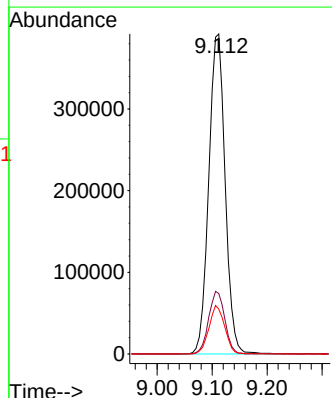
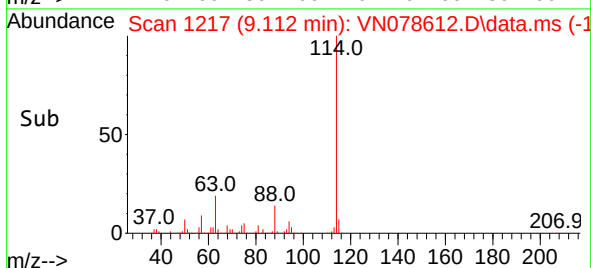
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

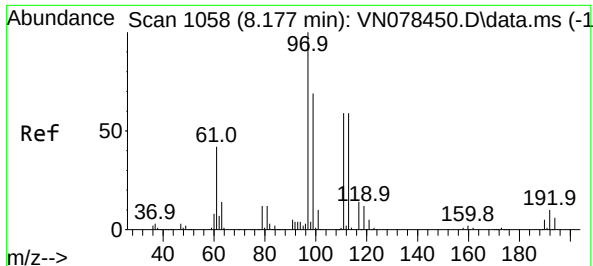


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35



Tgt Ion:114 Resp: 810569
Ion Ratio Lower Upper
114 100
63 18.9 0.0 36.4
88 14.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.928 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078612.D

Acq: 21 Jul 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MS

Tgt Ion: 113 Resp: 28022

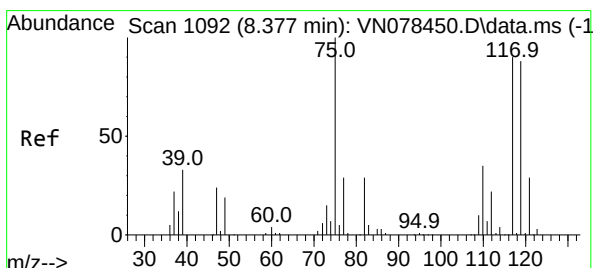
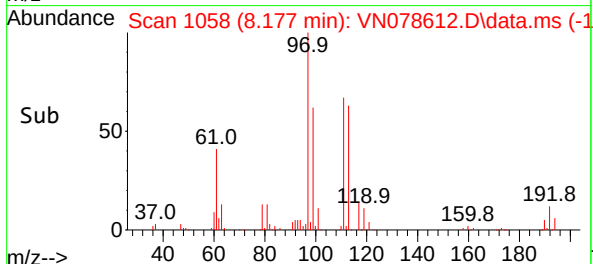
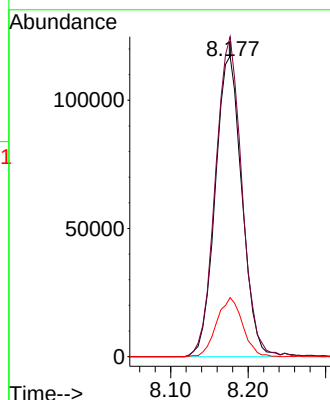
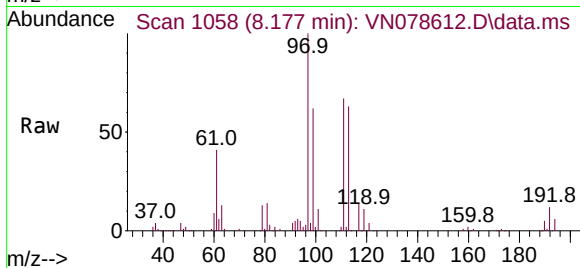
Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.6	123.8
192	19.1	12.7	19.1

Manual Integrations

APPROVED

Reviewed By : John Carlone 07/24/2023

Supervised By : Mahesh Dadoda 07/24/2023



#36

1,1-Dichloropropene

Concen: 45.847 ug/l

RT: 8.377 min Scan# 1092

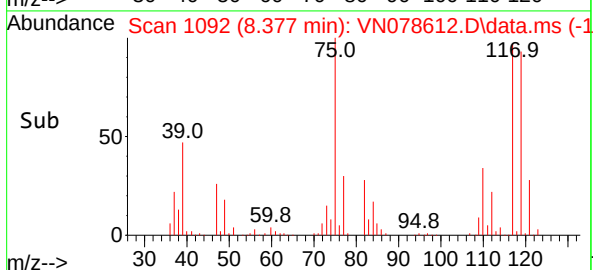
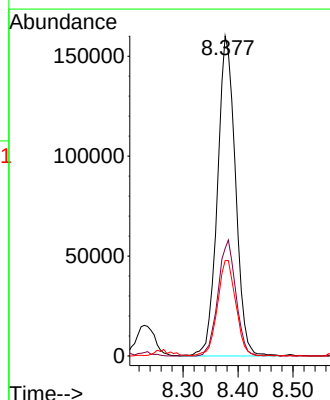
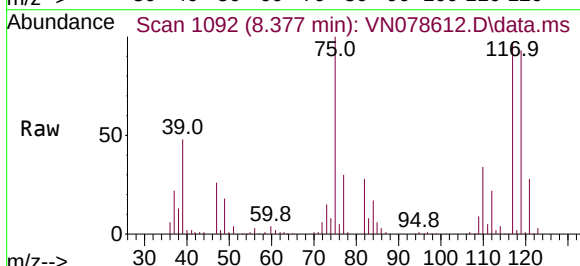
Delta R.T. -0.000 min

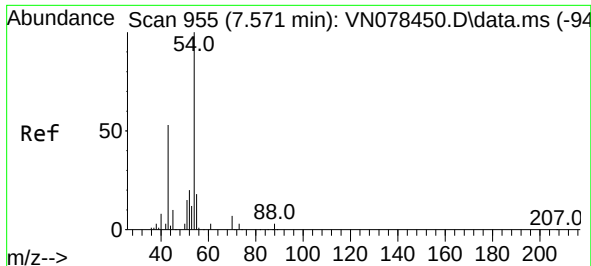
Lab File: VN078612.D

Acq: 21 Jul 2023 14:35

Tgt Ion: 75 Resp: 364255

Ion	Ratio	Lower	Upper
75	100		
110	35.8	19.1	57.3
77	30.3	25.0	37.4





#37

Ethyl Acetate

Concen: 47.888 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN078612.D

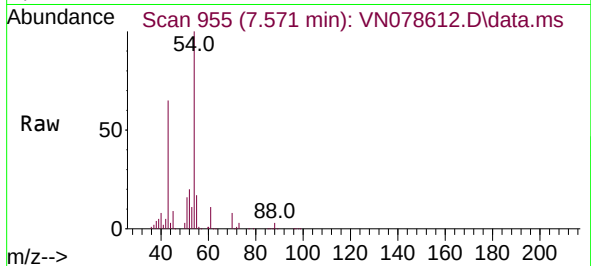
Acq: 21 Jul 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MS



Tgt Ion: 43 Resp: 31716

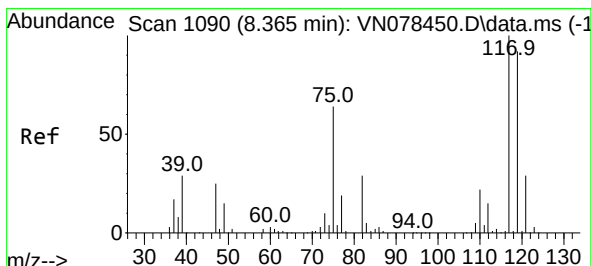
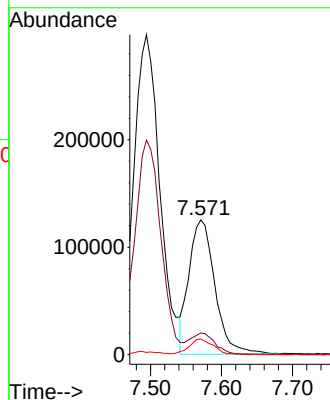
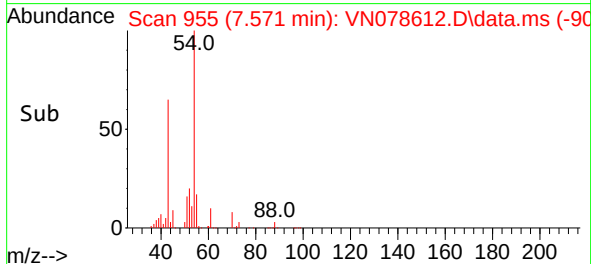
Ion	Ratio	Lower	Upper
43	100		
61	15.1	13.2	19.8
70	10.9	11.3	16.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#38

Carbon Tetrachloride

Concen: 47.647 ug/l

RT: 8.371 min Scan# 1091

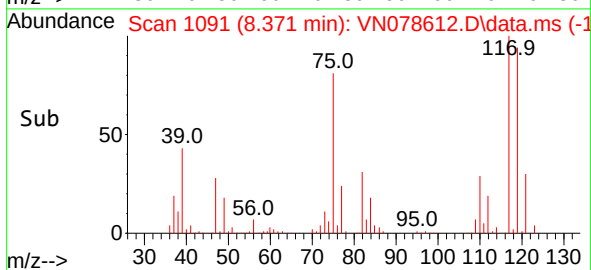
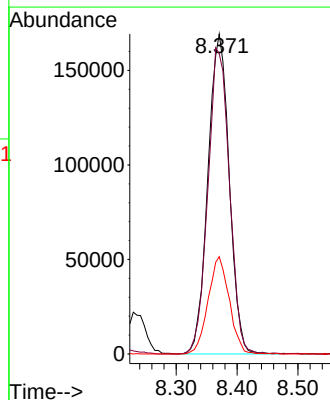
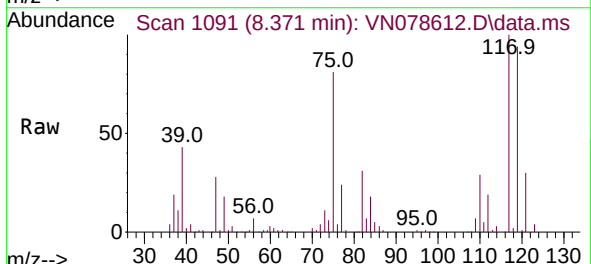
Delta R.T. 0.006 min

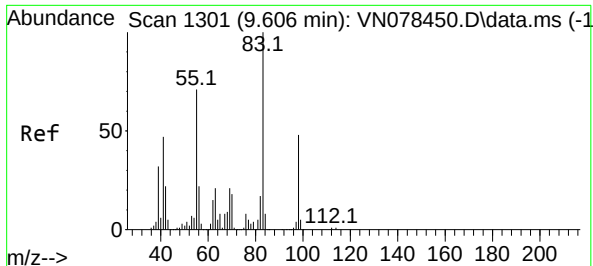
Lab File: VN078612.D

Acq: 21 Jul 2023 14:35

Tgt Ion: 117 Resp: 411425

Ion	Ratio	Lower	Upper
117	100		
119	93.7	77.3	115.9
121	30.4	23.3	34.9





#39

Methylcyclohexane

Concen: 40.712 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN078612.D

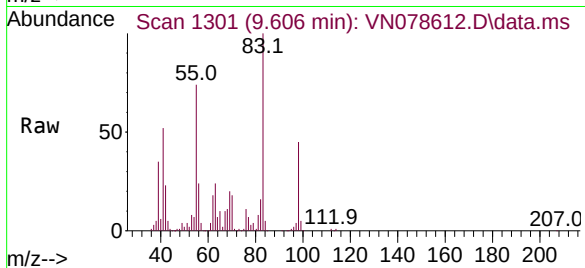
Acq: 21 Jul 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MS



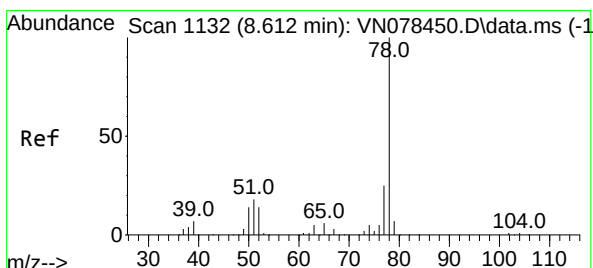
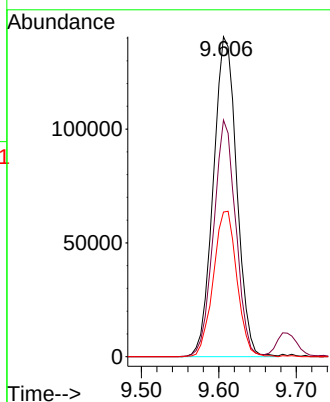
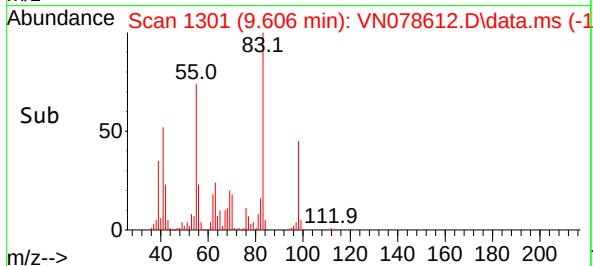
Tgt Ion:	83	Resp:	29524
Ion Ratio	Lower	Upper	
83	100		
55	74.0	49.1	73.7
98	45.2	40.6	61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#40

Benzene

Concen: 48.594 ug/l

RT: 8.618 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VN078612.D

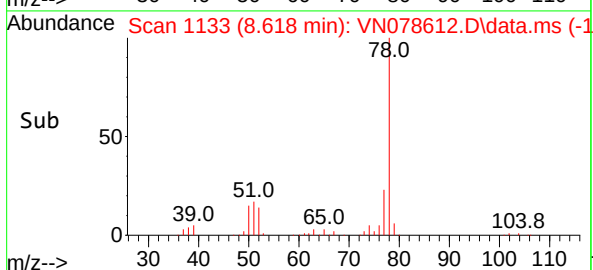
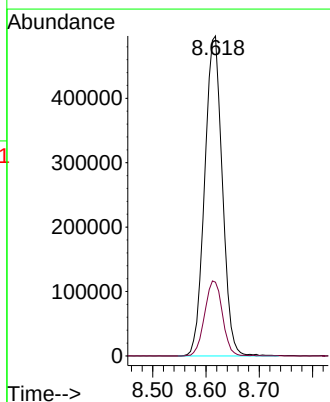
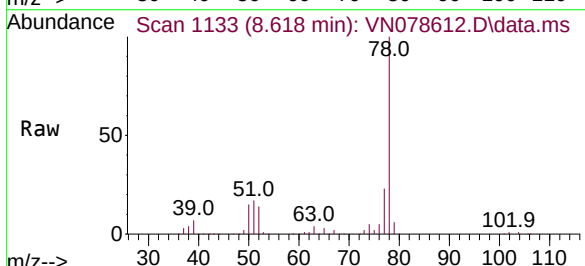
Acq: 21 Jul 2023 14:35

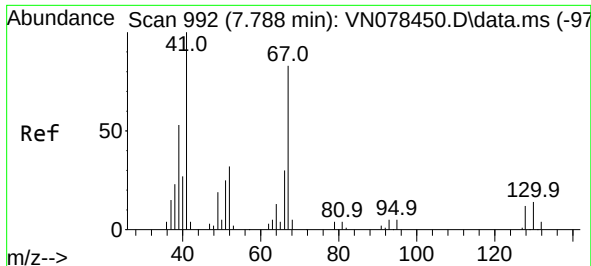
Tgt Ion: 78 Resp: 1143791

Ion Ratio Lower Upper

78 100

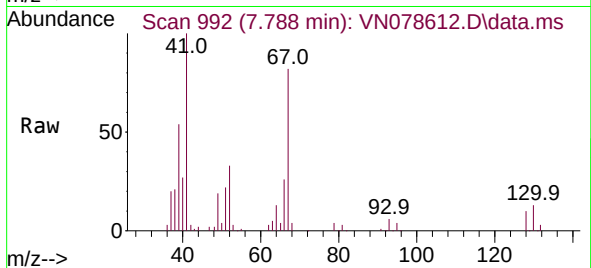
77 23.0 19.0 28.6





#41
Methacrylonitrile
Concen: 53.467 ug/l
RT: 7.788 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

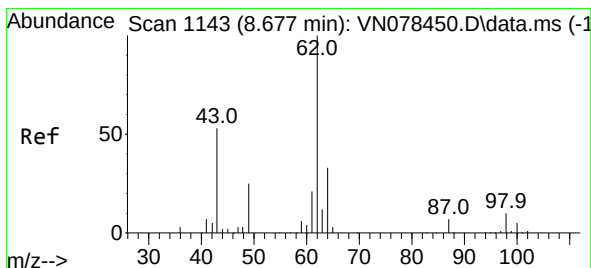
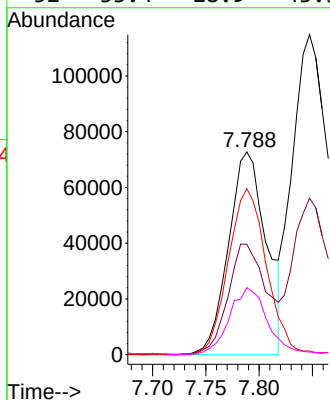
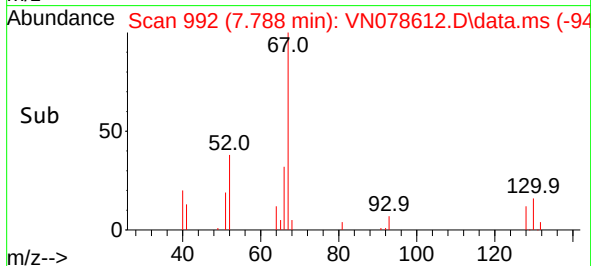
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



Tgt Ion: 41 Resp: 180523
Ion Ratio Lower Upper
41 100
39 55.3 42.6 64.0
67 82.8 77.5 116.3
52 33.4 28.9 43.3

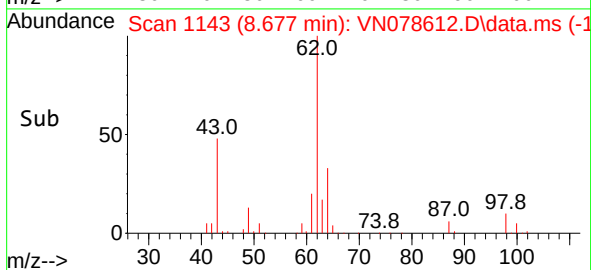
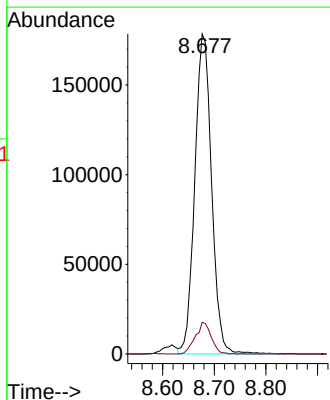
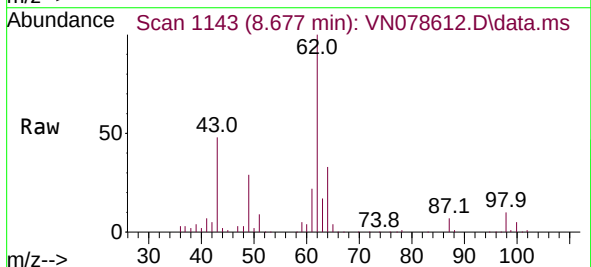
Manual Integrations
APPROVED

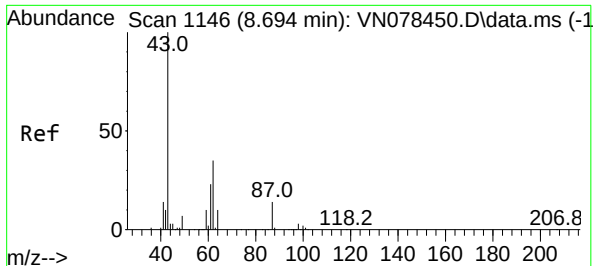
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#42
1,2-Dichloroethane
Concen: 50.340 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

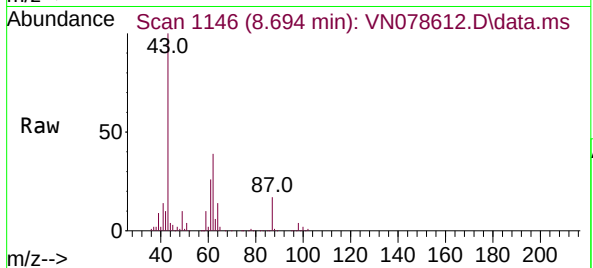
Tgt Ion: 62 Resp: 403027
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.8





#43
Isopropyl Acetate
Concen: 50.329 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

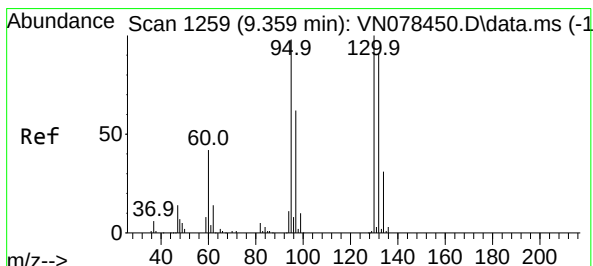
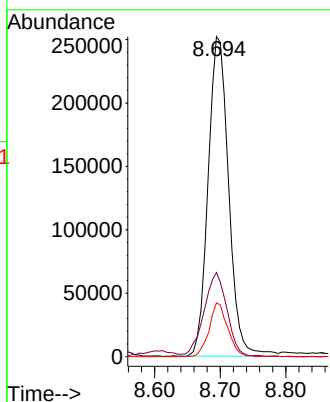
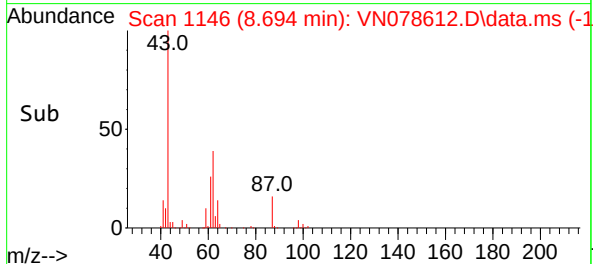
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



Tgt Ion: 43 Resp: 548790
Ion Ratio Lower Upper
43 100
61 29.5 24.7 37.1
87 15.3 14.6 21.8

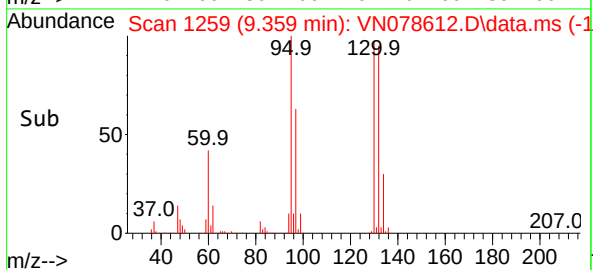
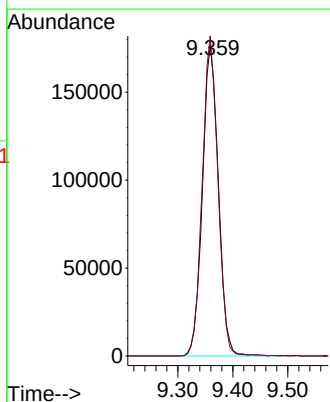
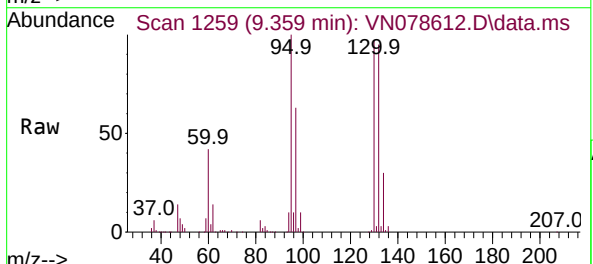
Manual Integrations
APPROVED

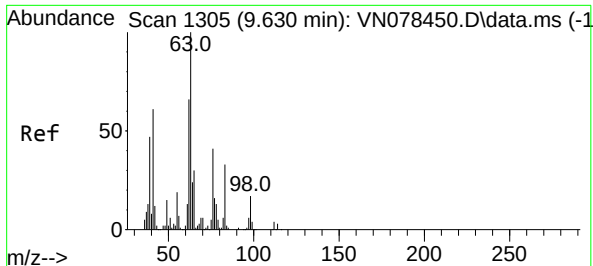
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#44
Trichloroethene
Concen: 56.208 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

Tgt Ion:130 Resp: 356575
Ion Ratio Lower Upper
130 100
95 103.1 0.0 204.6





#45

1,2-Dichloropropane

Concen: 50.501 ug/l

RT: 9.629 min Scan# 11

Delta R.T. -0.001 min

Lab File: VN078612.D

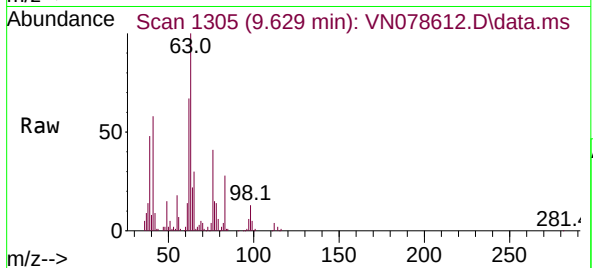
Acq: 21 Jul 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MS



Tgt Ion: 63 Resp: 301059

Ion Ratio Lower Upper

63 100

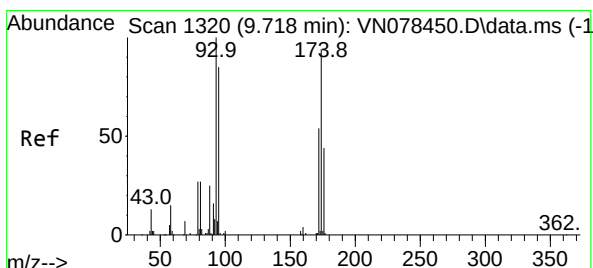
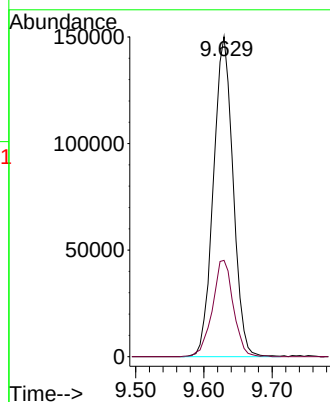
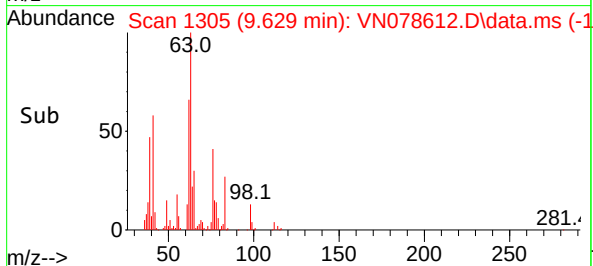
65 30.1 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#46

Dibromomethane

Concen: 50.532 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VN078612.D

Acq: 21 Jul 2023 14:35

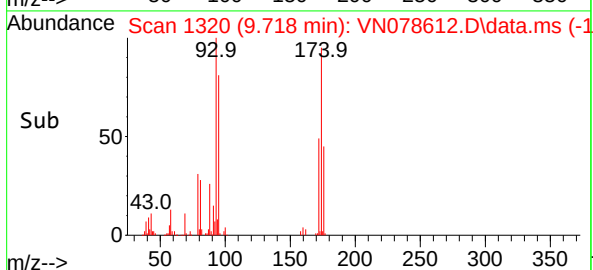
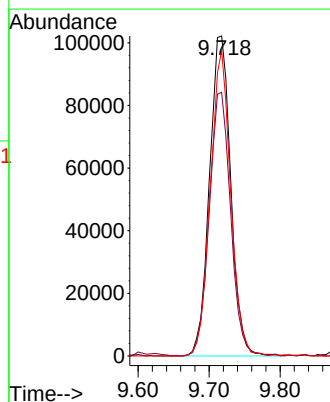
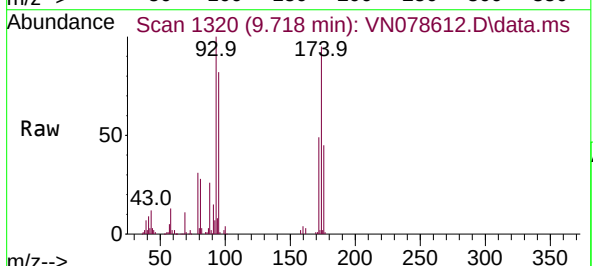
Tgt Ion: 93 Resp: 212026

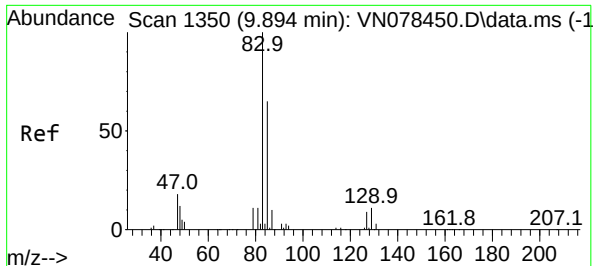
Ion Ratio Lower Upper

93 100

95 82.8 63.8 95.8

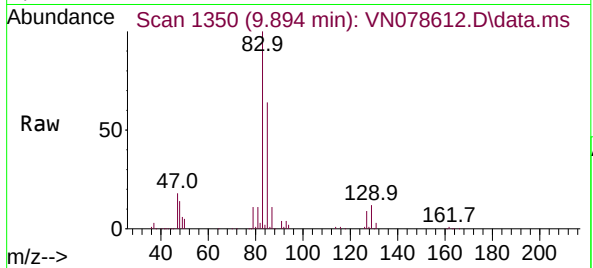
174 91.6 65.6 98.4





#47
Bromodichloromethane
Concen: 50.693 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

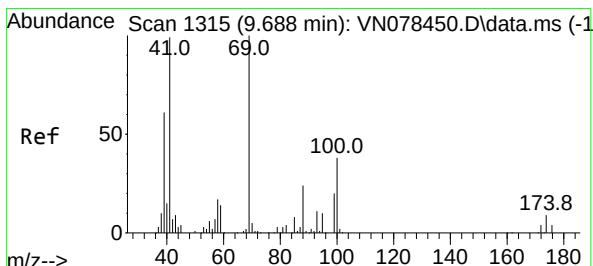
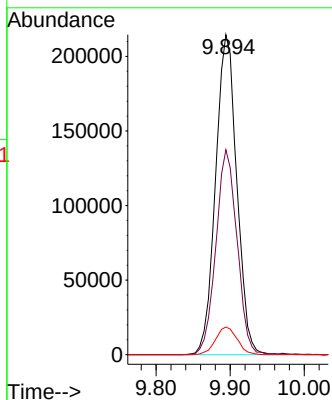
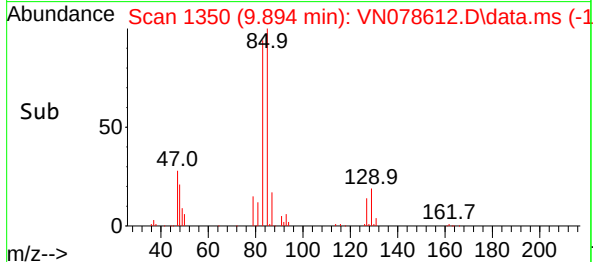
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



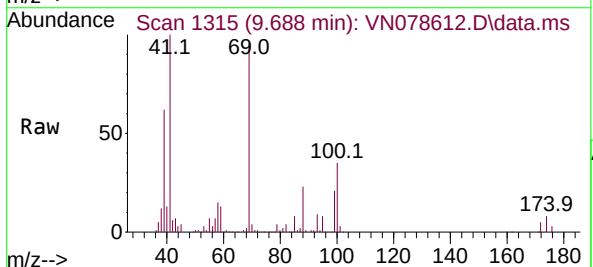
Tgt Ion: 83 Resp: 426375
Ion Ratio Lower Upper
83 100
85 64.1 49.6 74.4
127 8.7 7.0 10.6

Manual Integrations
APPROVED

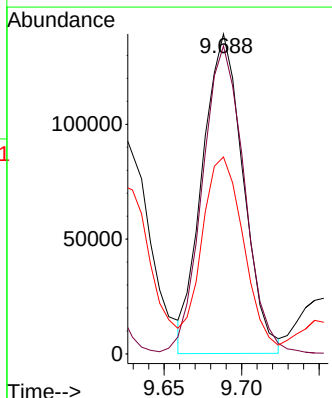
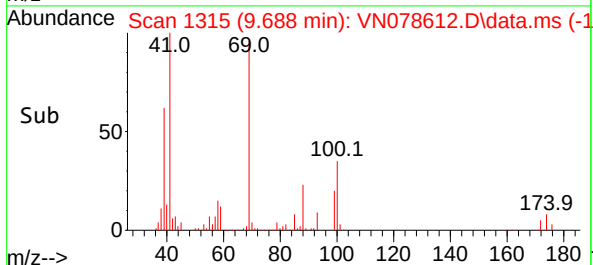
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

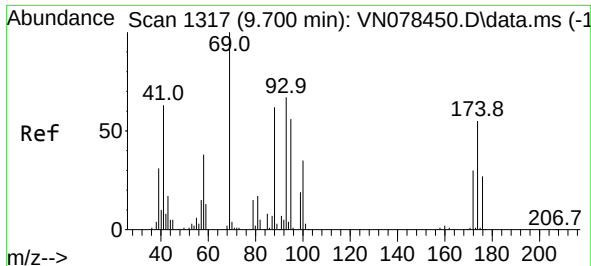


#48
Methyl methacrylate
Concen: 50.492 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35



Tgt Ion: 41 Resp: 255070
Ion Ratio Lower Upper
41 100
69 98.8 90.4 135.6
39 63.8 54.6 81.8





#49

1,4-Dioxane

Concen: 965.865 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078612.D

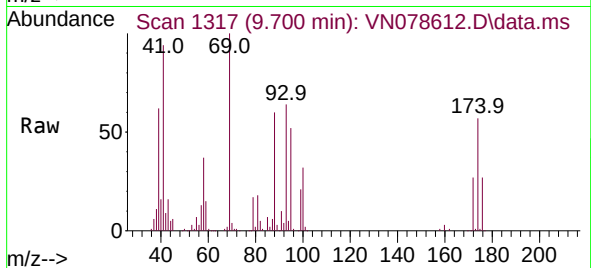
Acq: 21 Jul 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MS



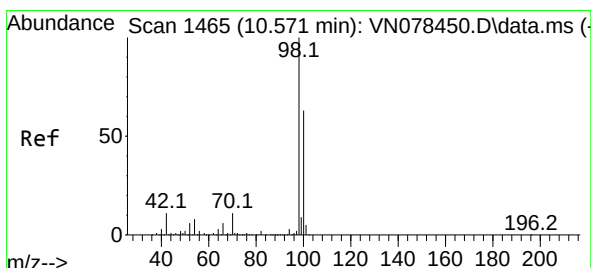
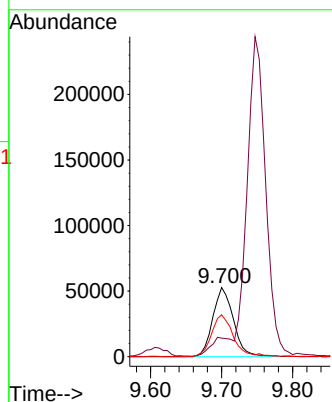
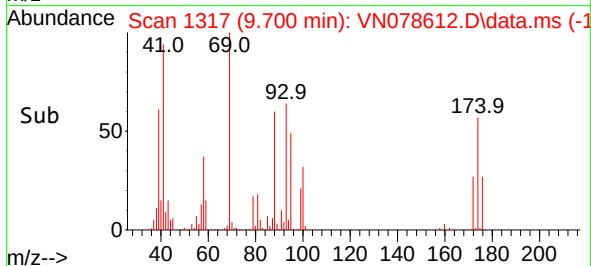
Tgt Ion:	88	Resp:	106408
Ion Ratio	Lower	Upper	
88	100		
43	25.5	17.0	25.6
58	64.4	47.0	70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#50

Toluene-d8

Concen: 50.009 ug/l

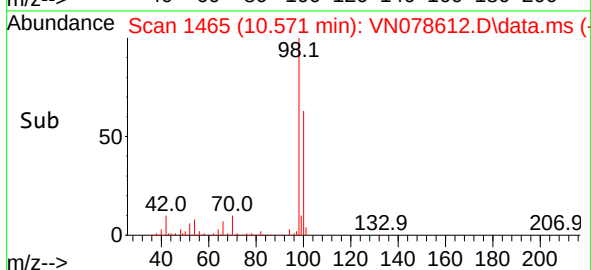
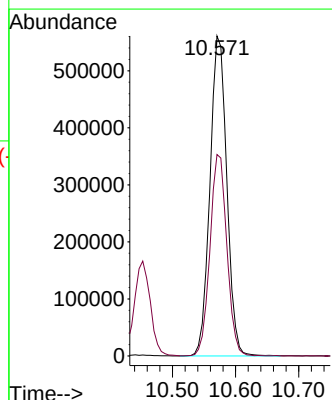
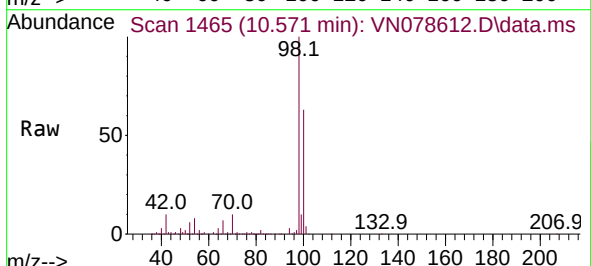
RT: 10.571 min Scan# 1465

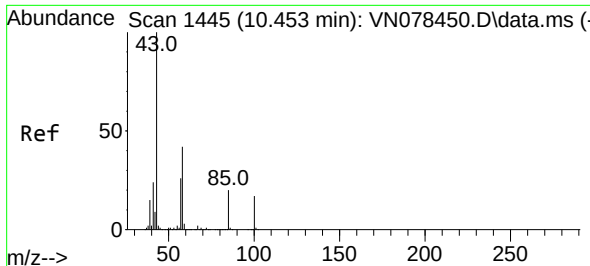
Delta R.T. -0.000 min

Lab File: VN078612.D

Acq: 21 Jul 2023 14:35

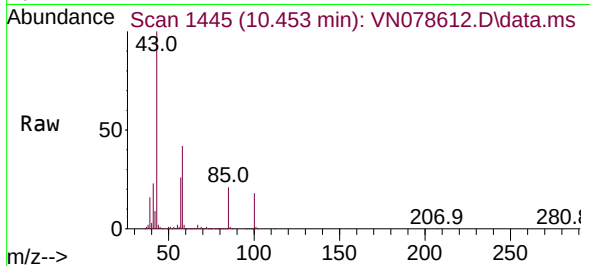
Tgt Ion:	98	Resp:	1039509
Ion Ratio	Lower	Upper	
98	100		
100	62.9	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 263.743 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

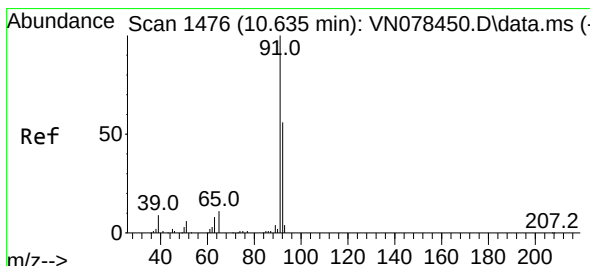
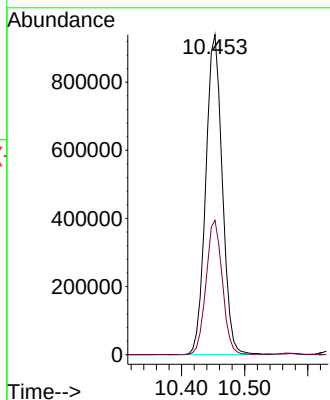
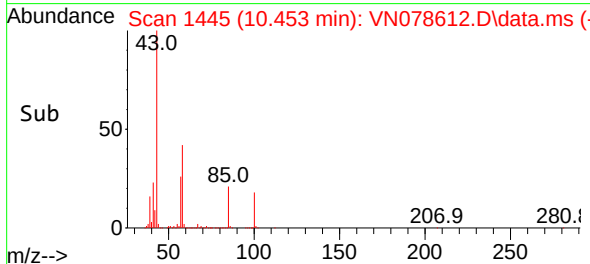
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



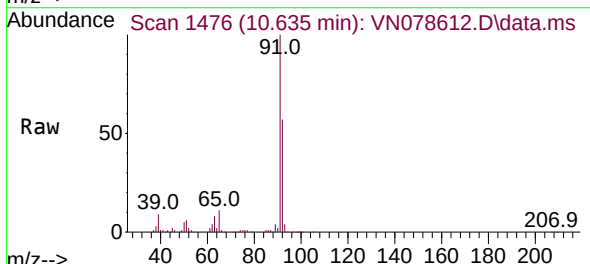
Tgt Ion: 43 Resp: 171059
Ion Ratio Lower Upper
43 100
58 41.4 36.6 54.8

Manual Integrations
APPROVED

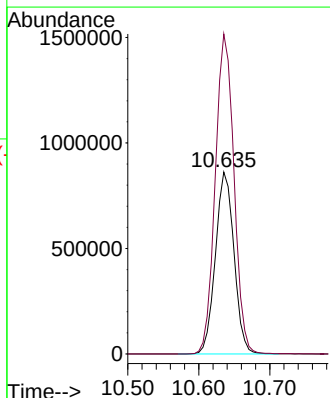
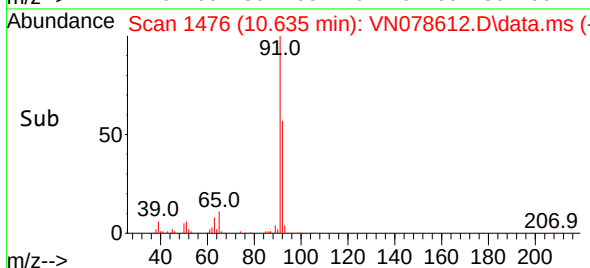
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

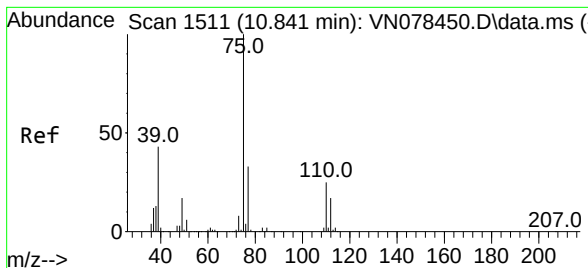


#52
Toluene
Concen: 107.042 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35



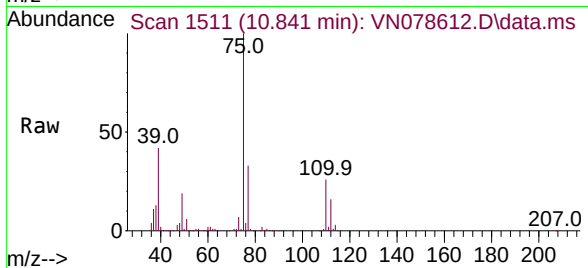
Tgt Ion: 92 Resp: 1561529
Ion Ratio Lower Upper
92 100
91 177.5 137.4 206.0





#53
t-1,3-Dichloropropene
Concen: 50.890 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

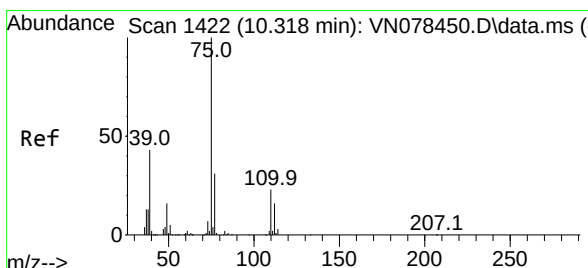
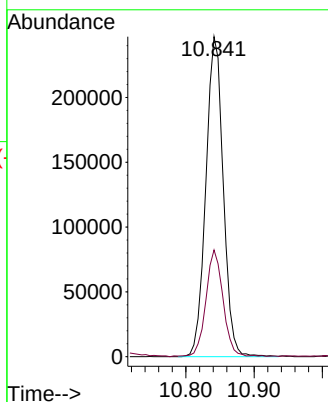
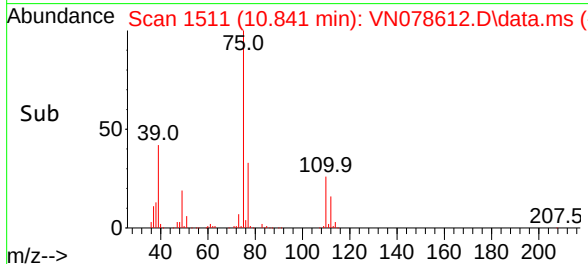
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



Tgt Ion: 75 Resp: 438502
Ion Ratio Lower Upper
75 100
77 33.2 25.4 38.0

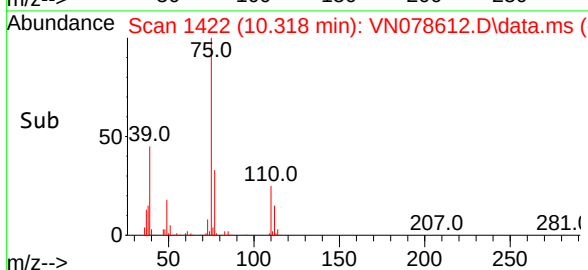
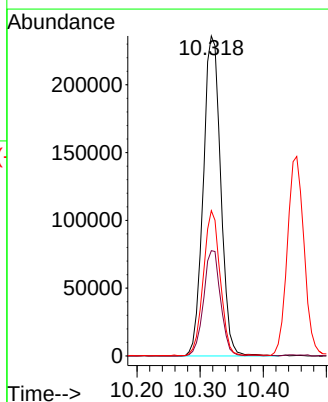
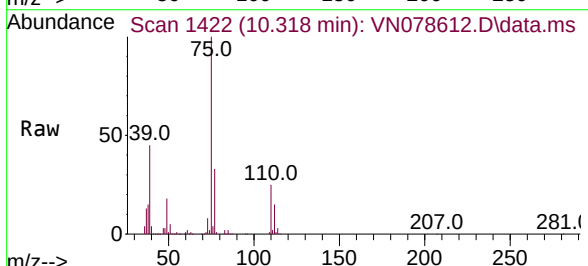
Manual Integrations
APPROVED

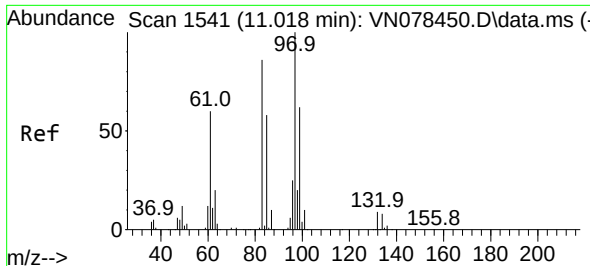
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#54
cis-1,3-Dichloropropene
Concen: 49.391 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

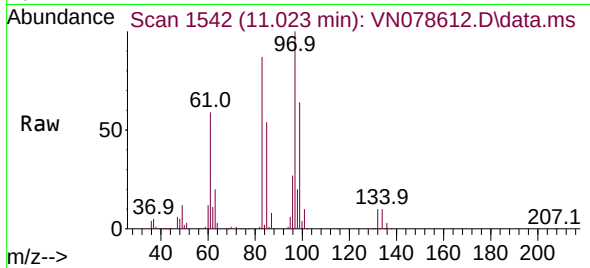
Tgt Ion: 75 Resp: 453647
Ion Ratio Lower Upper
75 100
77 32.9 26.1 39.1
39 45.3 31.6 47.4





#55
1,1,2-Trichloroethane
Concen: 51.933 ug/l
RT: 11.023 min Scan# 1542
Delta R.T. 0.005 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

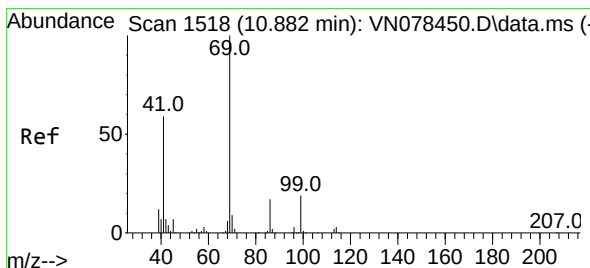
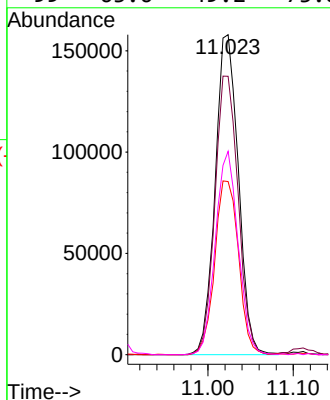
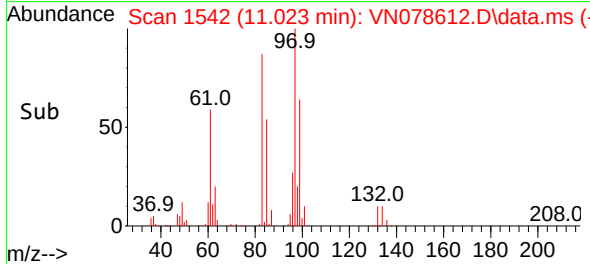
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MS



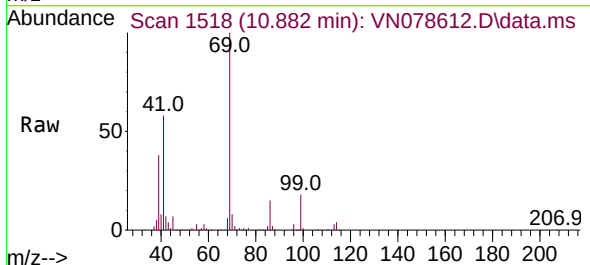
Tgt Ion:	97	Resp:	298494
Ion	Ratio	Lower	Upper
97	100		
83	87.0	65.1	97.7
85	54.1	43.4	65.2
99	63.6	49.2	73.8

Manual Integrations
APPROVED

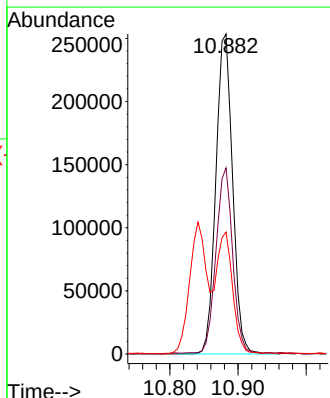
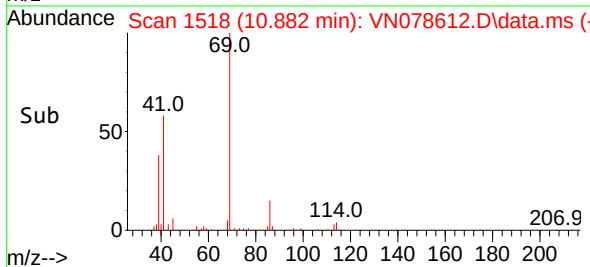
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

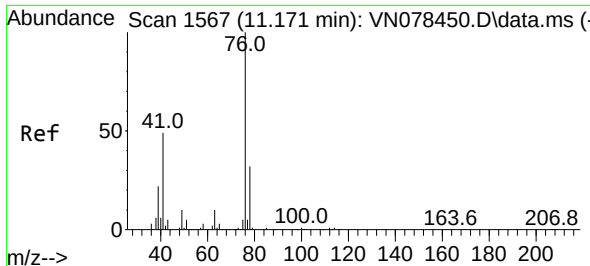


#56
Ethyl methacrylate
Concen: 53.783 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35



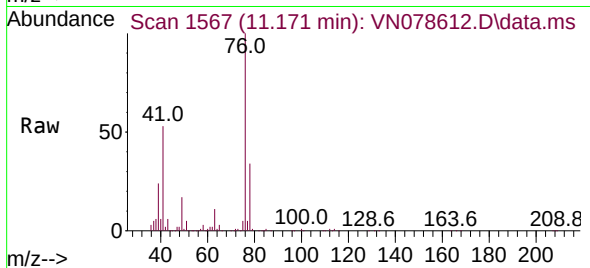
Tgt Ion:	69	Resp:	432120
Ion	Ratio	Lower	Upper
69	100		
41	58.5	39.6	59.4
39	37.5	28.6	43.0





#57
1,3-Dichloropropane
Concen: 50.328 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

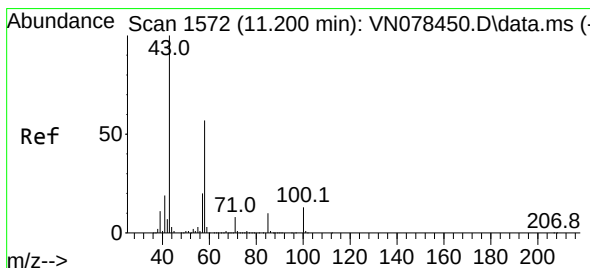
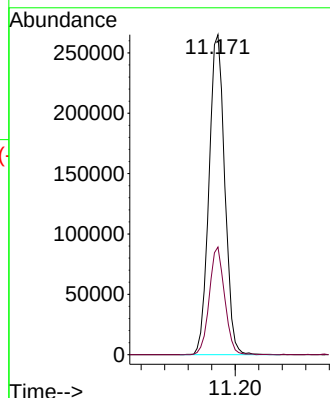
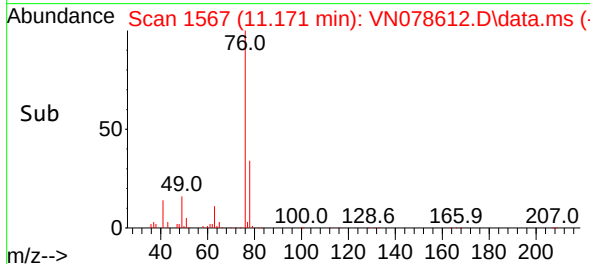
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



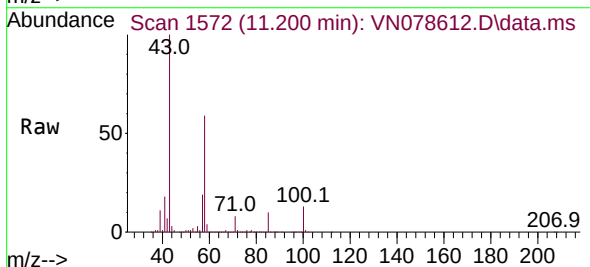
Tgt Ion: 76 Resp: 491845
Ion Ratio Lower Upper
76 100
78 32.8 26.1 39.1

Manual Integrations
APPROVED

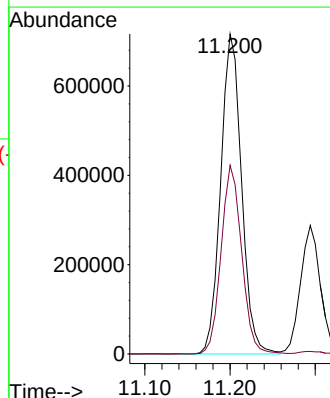
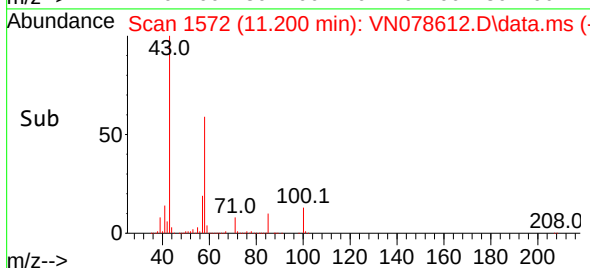
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

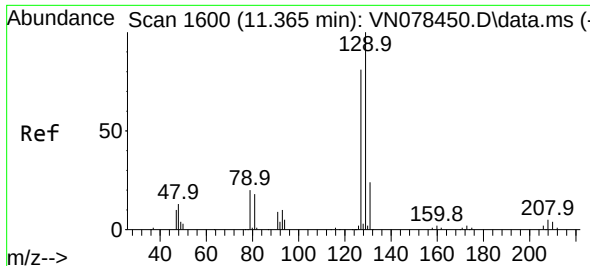


#59
2-Hexanone
Concen: 264.277 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35



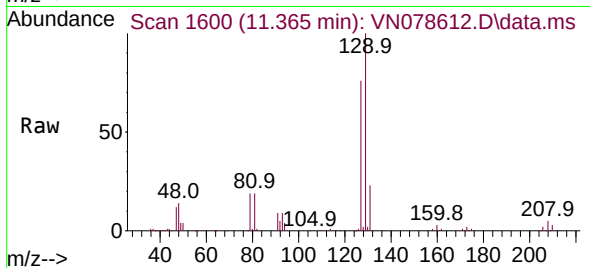
Tgt Ion: 43 Resp: 1218202
Ion Ratio Lower Upper
43 100
58 58.2 31.7 95.1





#60
Dibromochloromethane
Concen: 52.057 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

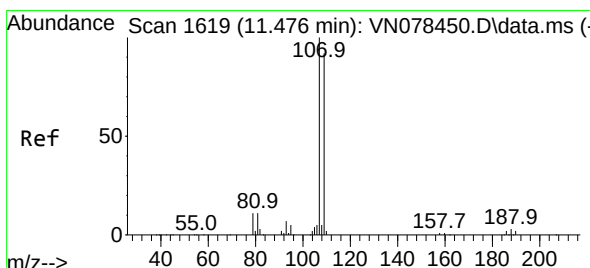
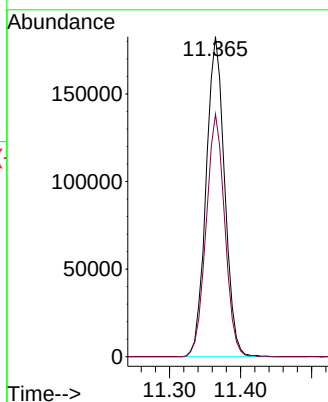
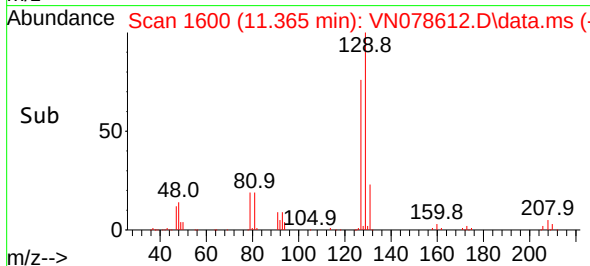
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



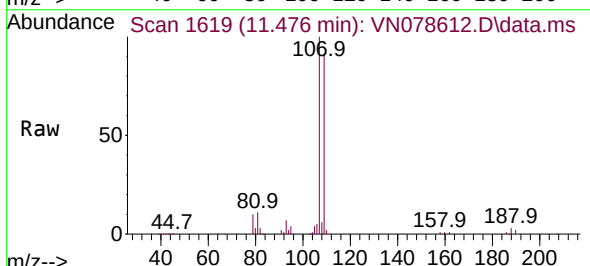
Tgt Ion:129 Resp: 330318
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0

Manual Integrations
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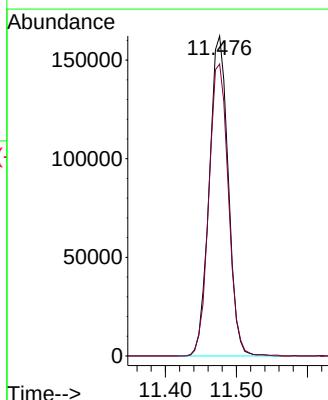
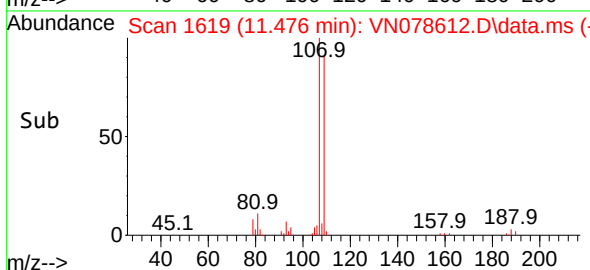
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

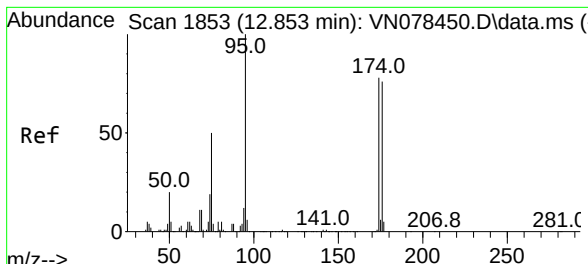


#61
1,2-Dibromoethane
Concen: 50.723 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35



Tgt Ion:107 Resp: 300318
Ion Ratio Lower Upper
107 100
109 94.1 76.6 114.8





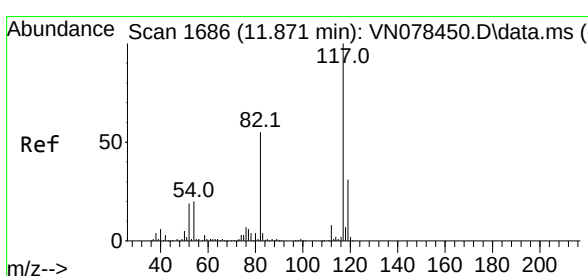
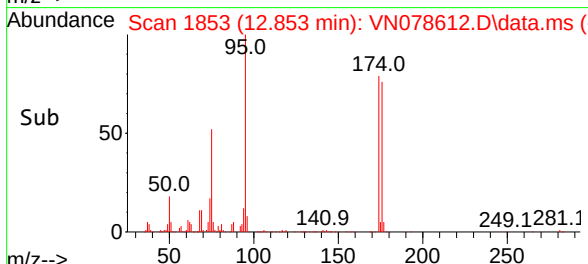
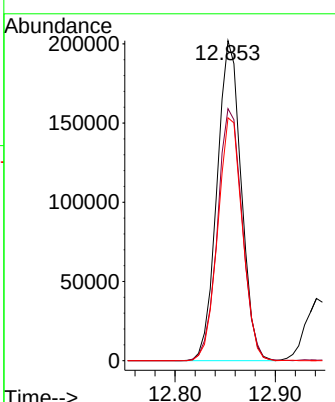
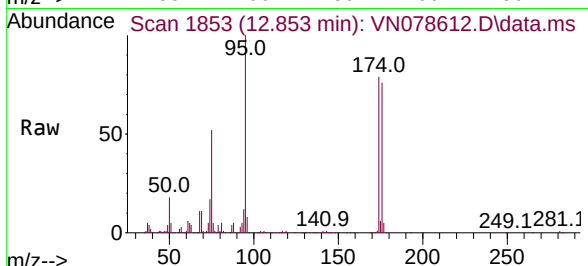
#62
 4-Bromofluorobenzene
 Concen: 52.843 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN078612.D
 Acq: 21 Jul 2023 14:35

Instrument : MSVOA_N
 ClientSampleId : GWBR-04-400-415-072023MS

Tgt Ion:	95	Resp:	33833
Ion Ratio	Lower	Upper	
95	100		
174	80.5	0.0	143.8
176	77.3	0.0	135.8

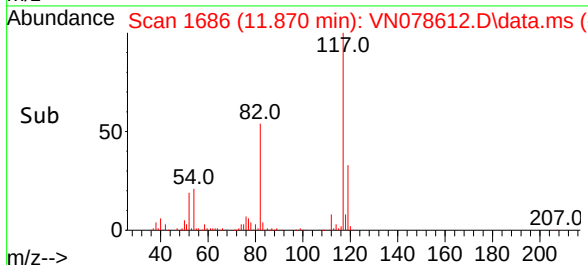
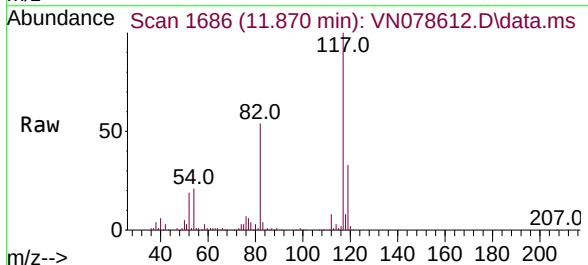
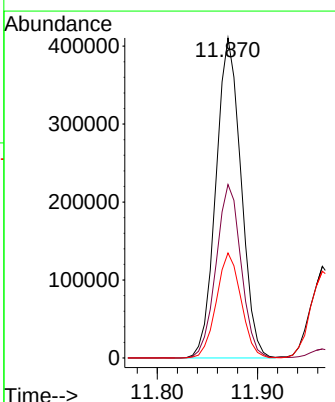
Manual Integrations
 APPROVED

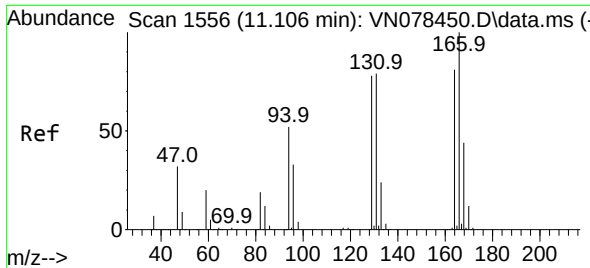
Reviewed By :John Carlone 07/24/2023
 Supervised By :Mahesh Dadoda 07/24/2023



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.001 min
 Lab File: VN078612.D
 Acq: 21 Jul 2023 14:35

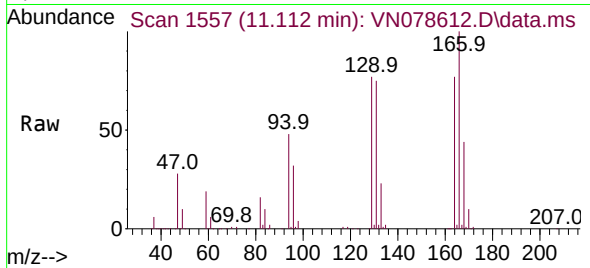
Tgt Ion:	117	Resp:	714868
Ion Ratio	Lower	Upper	
117	100		
82	54.2	44.0	66.0
119	32.8	25.6	38.4





#64
Tetrachloroethene
Concen: 45.405 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

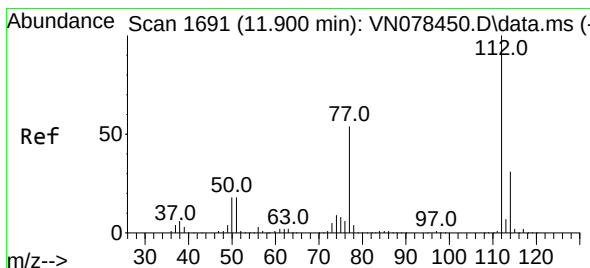
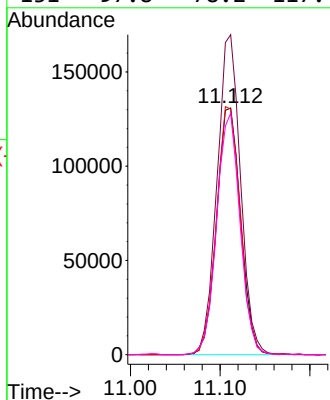
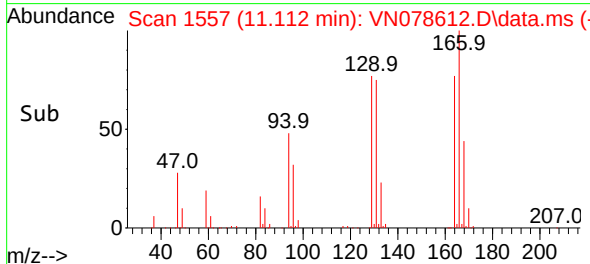
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



Tgt Ion:164 Resp: 244030
Ion Ratio Lower Upper
164 100
166 129.7 101.4 152.0
129 99.6 82.4 123.6
131 97.8 78.2 117.4

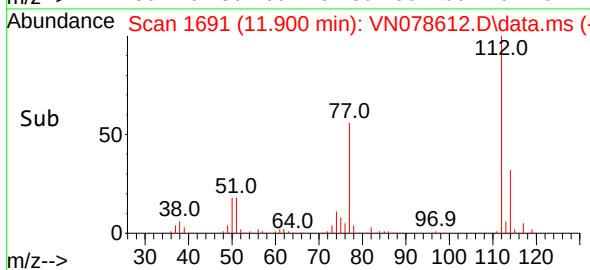
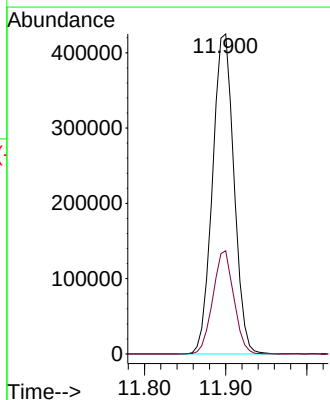
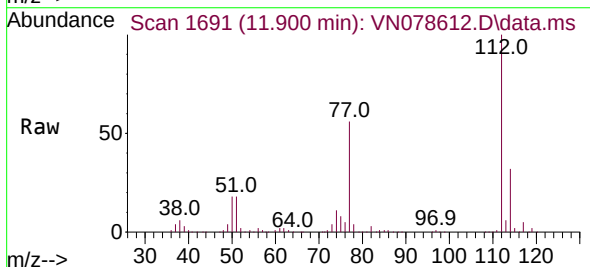
Manual Integrations
APPROVED

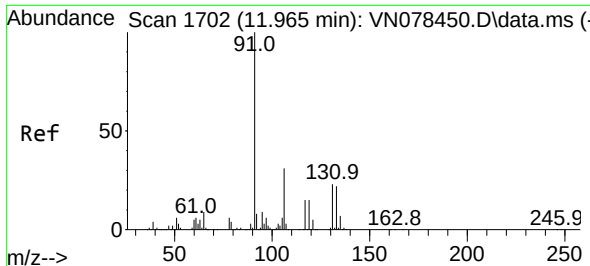
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#65
Chlorobenzene
Concen: 48.860 ug/l
RT: 11.900 min Scan# 1691
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

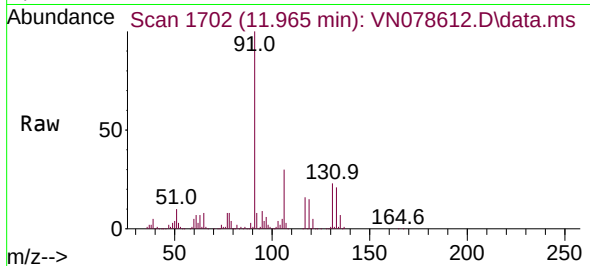
Tgt Ion:112 Resp: 780738
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4





#66
1,1,1,2-Tetrachloroethane
Concen: 50.189 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

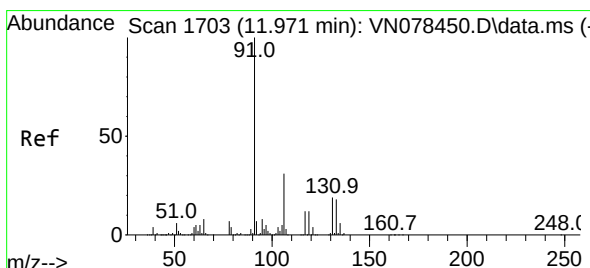
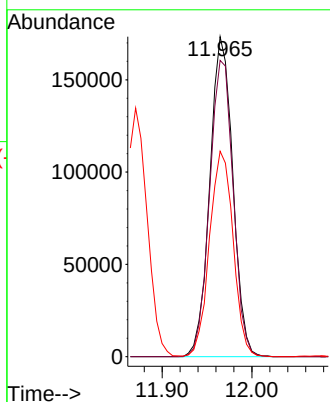
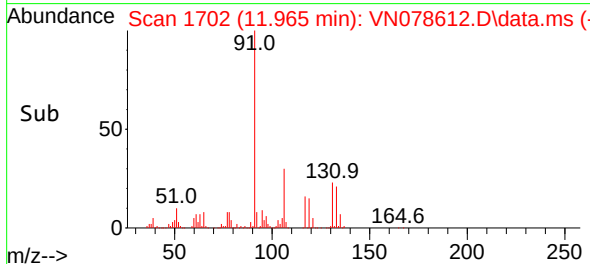
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



Tgt Ion:131 Resp: 308510
Ion Ratio Lower Upper
131 100
133 94.8 46.4 139.1
119 66.0 34.1 102.2

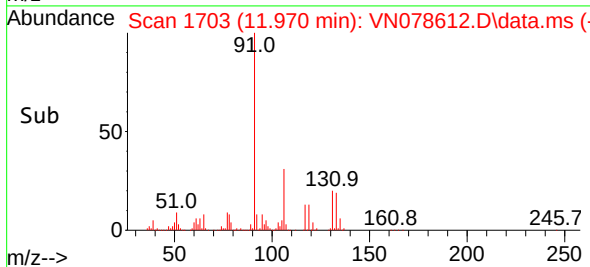
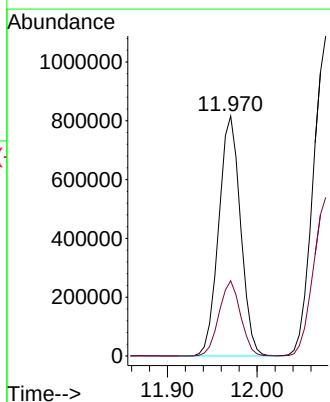
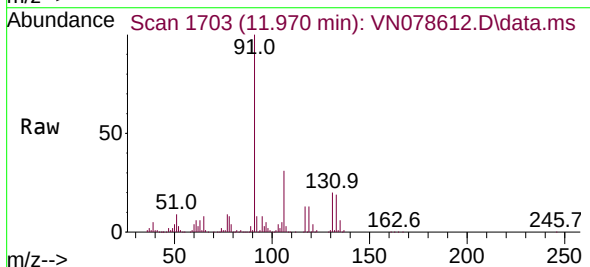
Manual Integrations
APPROVED

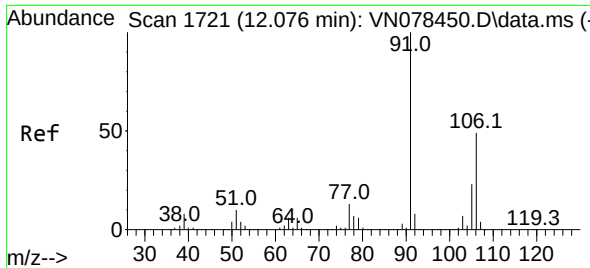
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#67
Ethyl Benzene
Concen: 51.022 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

Tgt Ion: 91 Resp: 1378100
Ion Ratio Lower Upper
91 100
106 31.3 25.6 38.4





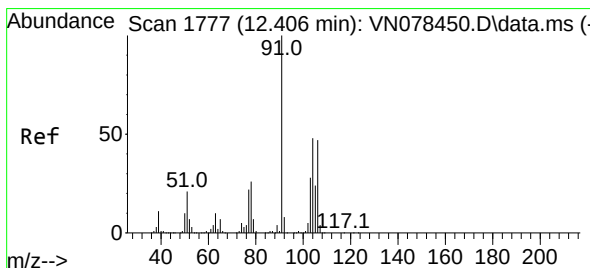
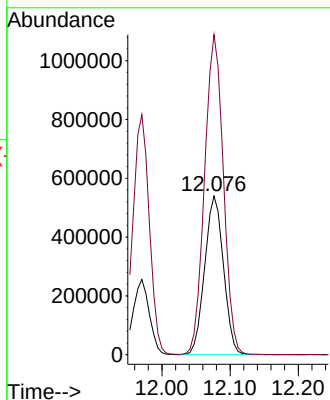
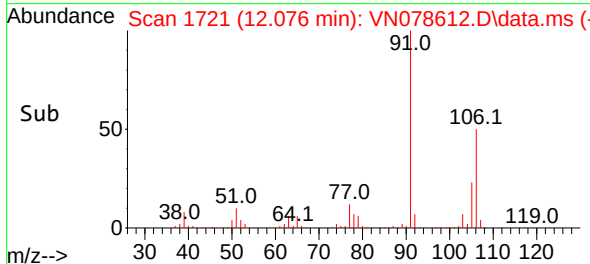
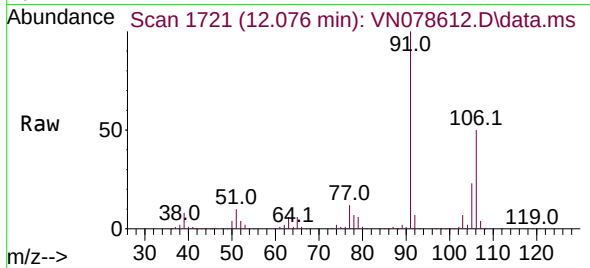
#68
m/p-Xylenes
Concen: 103.426 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS

Tgt Ion:106 Resp: 1032849
Ion Ratio Lower Upper
106 100
91 202.7 159.6 239.4

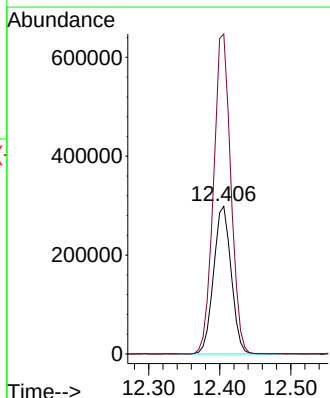
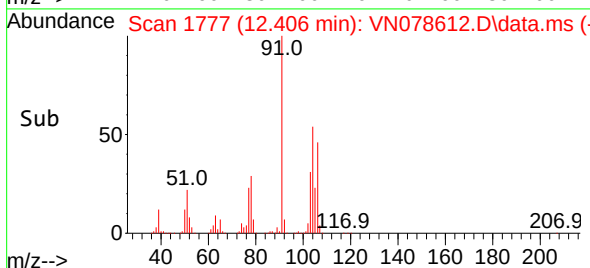
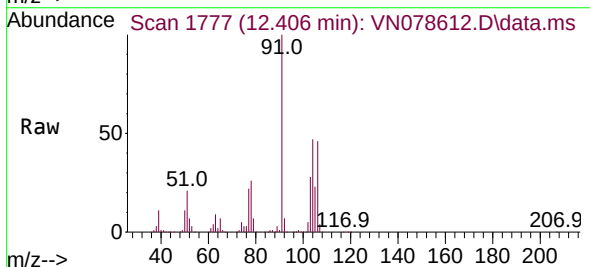
Manual Integrations
APPROVED

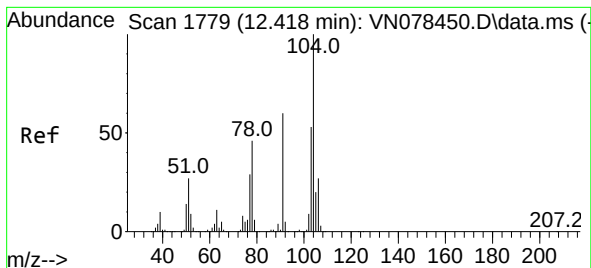
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#69
o-Xylene
Concen: 50.784 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

Tgt Ion:106 Resp: 512247
Ion Ratio Lower Upper
106 100
91 213.5 105.2 315.5





#70

Styrene

Concen: 53.067 ug/l

RT: 12.418 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078612.D

Acq: 21 Jul 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MS

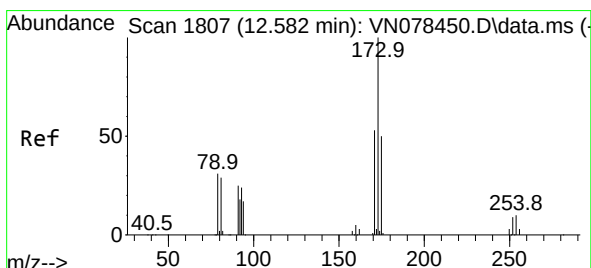
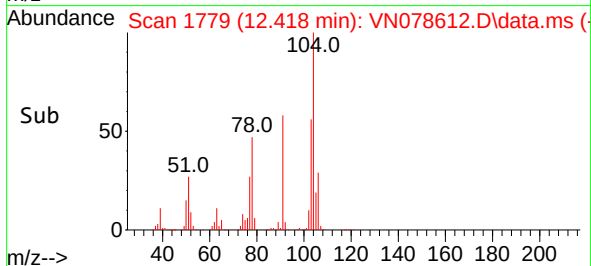
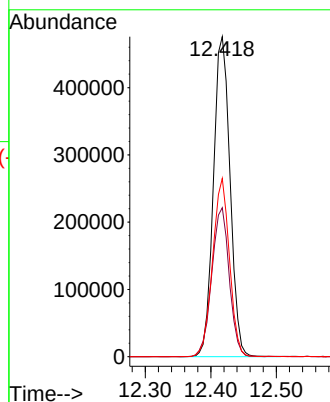
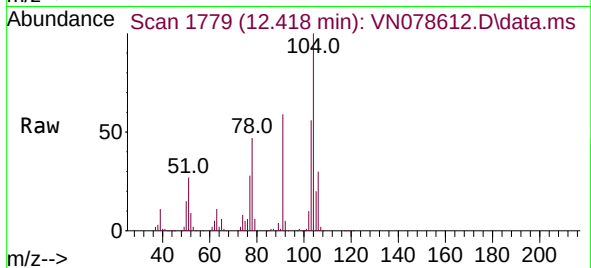
Tgt Ion:104	Resp: 83741
Ion Ratio	Lower Upper
104 100	
78 49.0	39.5 59.3
103 56.4	43.2 64.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#71

Bromoform

Concen: 53.887 ug/l

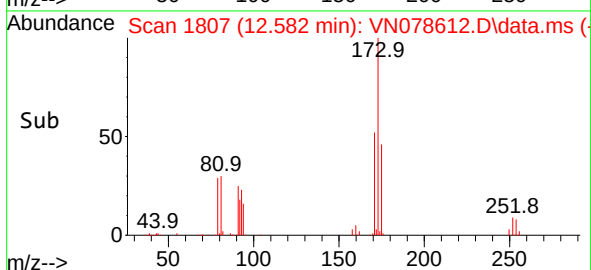
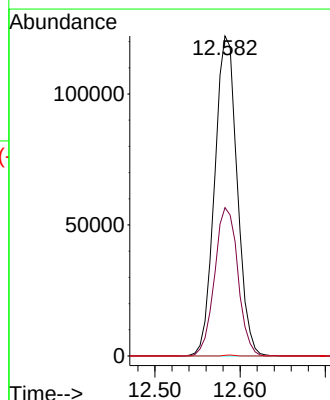
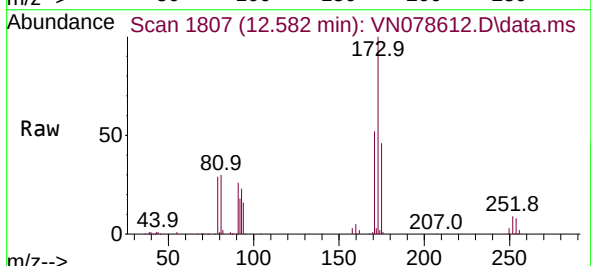
RT: 12.582 min Scan# 1807

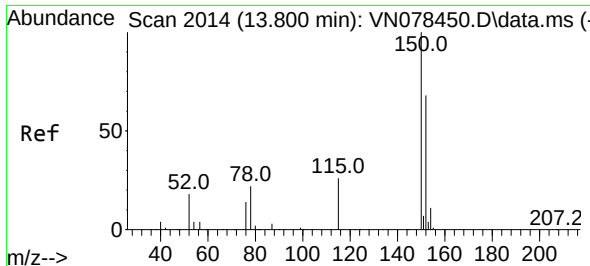
Delta R.T. 0.000 min

Lab File: VN078612.D

Acq: 21 Jul 2023 14:35

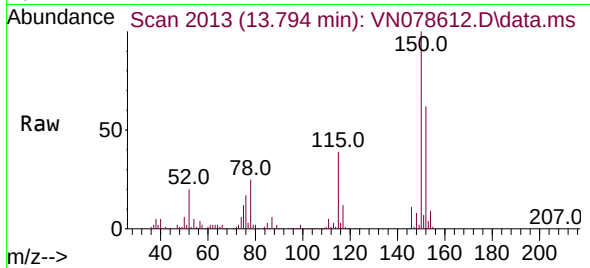
Tgt Ion:173	Resp: 224339
Ion Ratio	Lower Upper
173 100	
175 47.9	24.3 73.0
254 0.1	0.0 0.0#





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2014
Delta R.T. -0.006 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

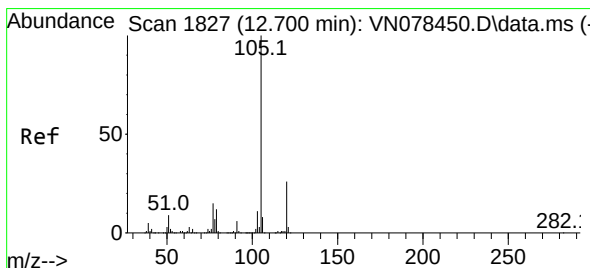
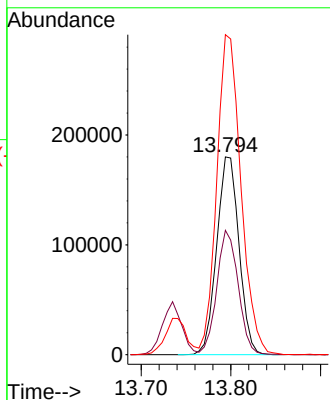
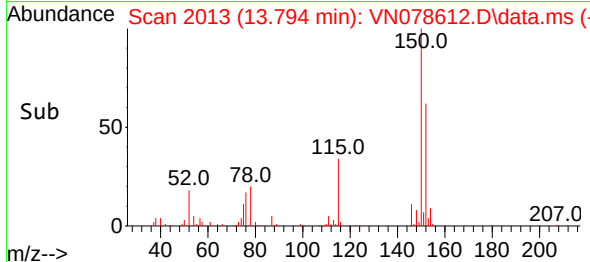
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



Tgt Ion:152 Resp: 310789
Ion Ratio Lower Upper
152 100
115 60.4 32.3 96.8
150 175.3 0.0 355.8

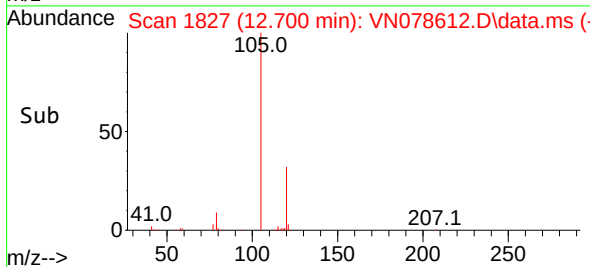
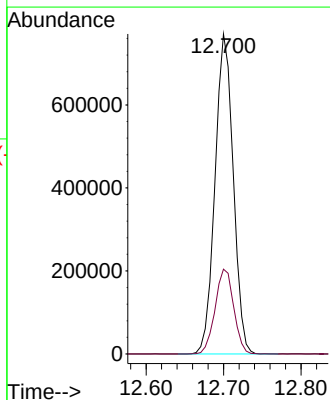
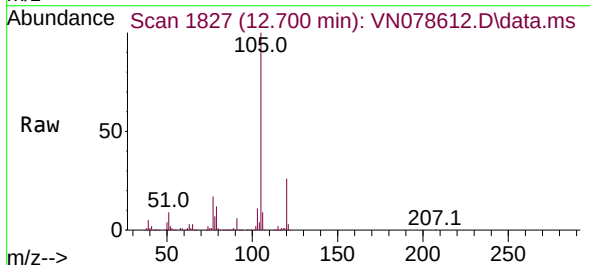
Manual Integrations
APPROVED

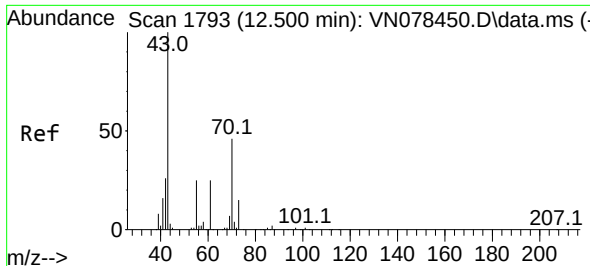
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#73
Isopropylbenzene
Concen: 43.071 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

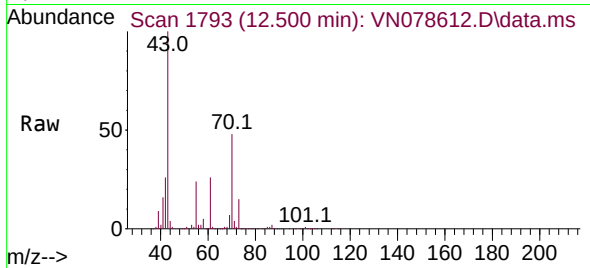
Tgt Ion:105 Resp: 1257806
Ion Ratio Lower Upper
105 100
120 27.0 13.1 39.1





#74
N-amy1 acetate
Concen: 44.635 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

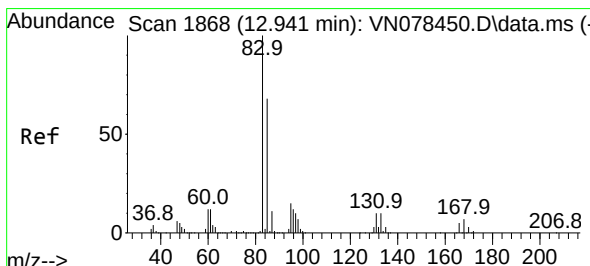
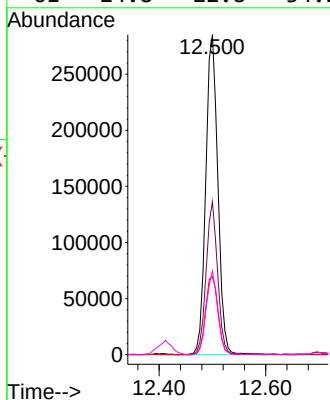
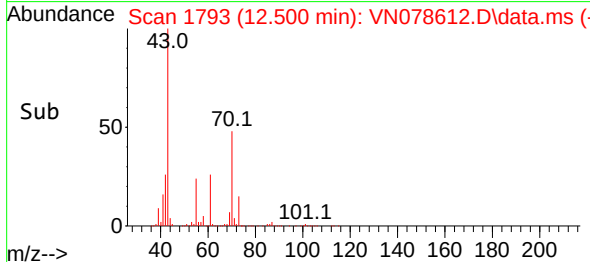
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MS



Tgt Ion: 43	Resp: 44920
Ion Ratio	Lower Upper
43 100	
70 45.3	43.4 65.2
55 25.3	21.4 32.0
61 24.8	22.8 34.2

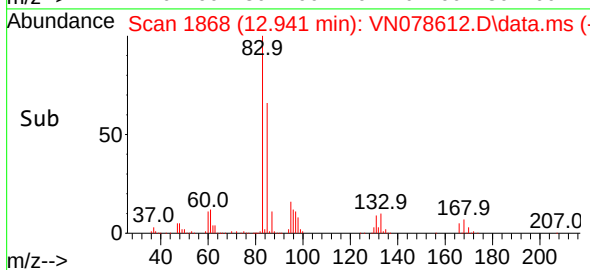
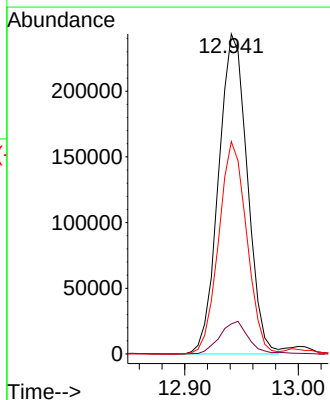
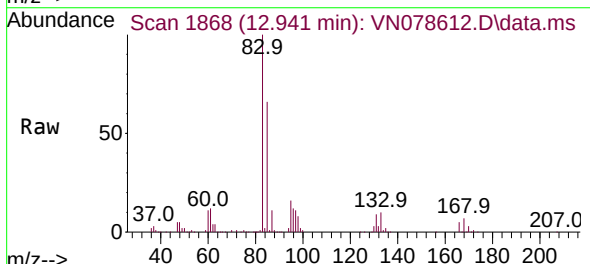
Manual Integrations
APPROVED

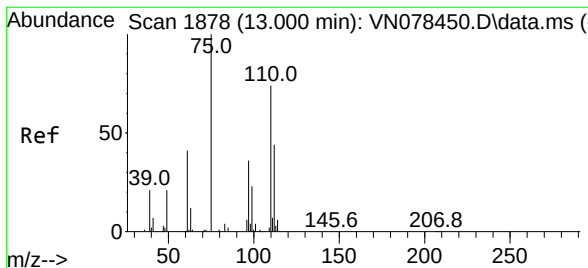
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#75
1,1,2,2-Tetrachloroethane
Concen: 52.680 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

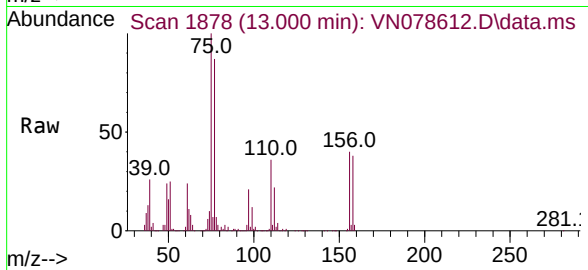
Tgt Ion: 83	Resp: 428332
Ion Ratio	Lower Upper
83 100	
131 10.3	5.0 15.0
85 64.7	31.9 95.7





#76
1,2,3-Trichloropropane
Concen: 44.448 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

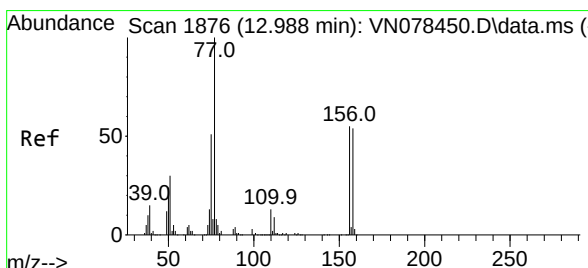
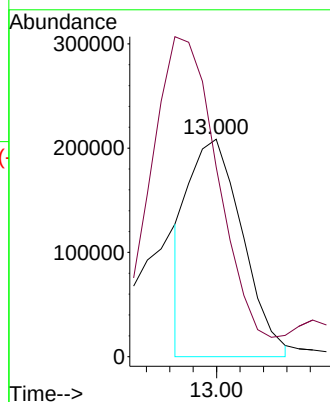
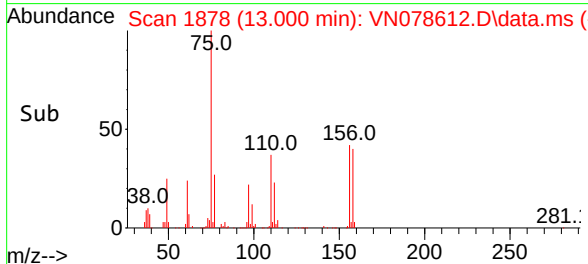
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MS



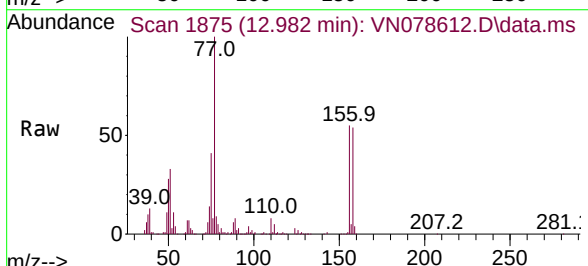
Tgt Ion: 75 Resp: 333899
Ion Ratio Lower Upper
75 100
77 189.4 84.5 253.5

Manual Integrations
APPROVED

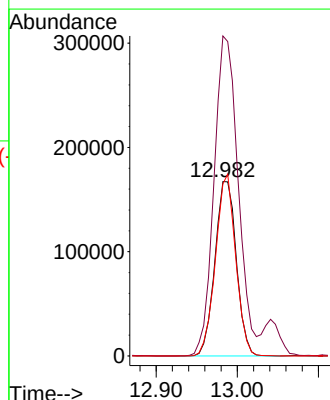
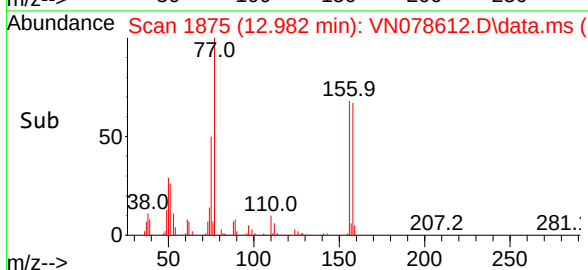
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

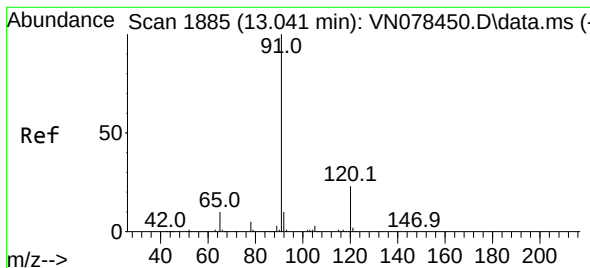


#77
Bromobenzene
Concen: 48.241 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35



Tgt Ion:156 Resp: 306706
Ion Ratio Lower Upper
156 100
77 206.1 107.7 323.3
158 98.1 48.4 145.3





#78

n-propylbenzene

Concen: 44.813 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN078612.D

Acq: 21 Jul 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MS

Tgt Ion: 91 Resp: 139954

Ion Ratio Lower Upper

91 100

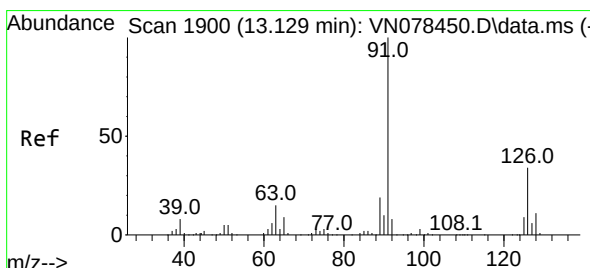
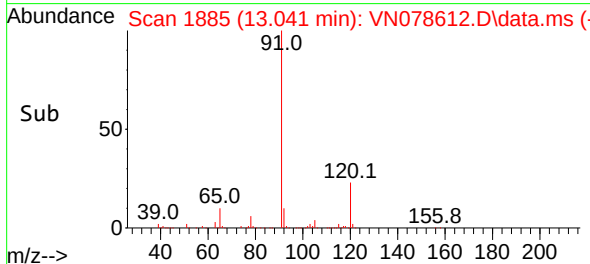
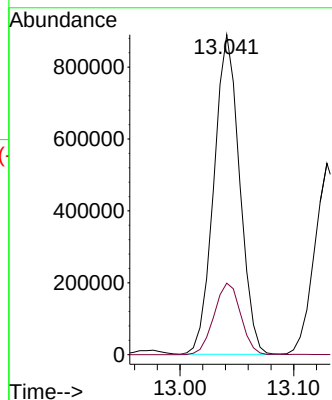
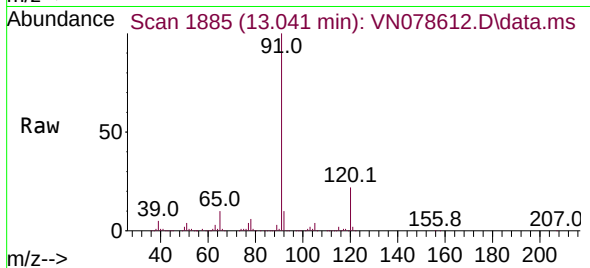
120 23.2 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#79

2-Chlorotoluene

Concen: 43.235 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VN078612.D

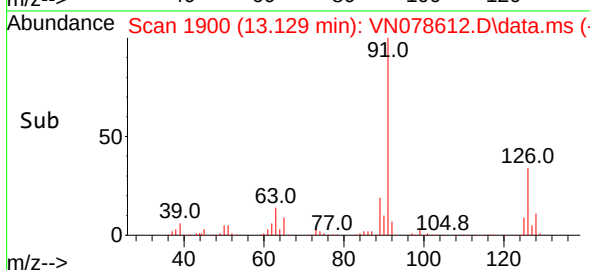
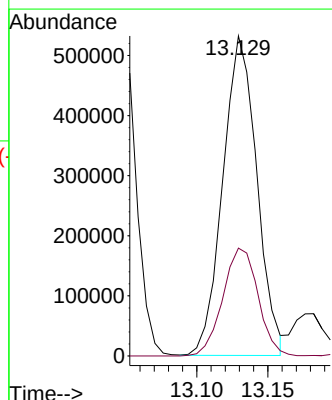
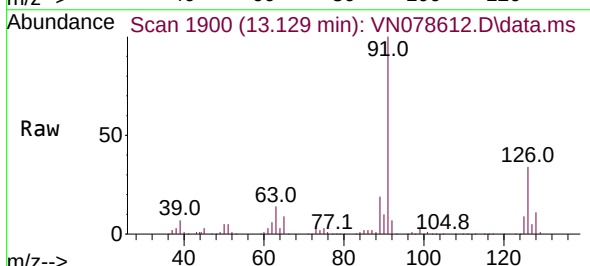
Acq: 21 Jul 2023 14:35

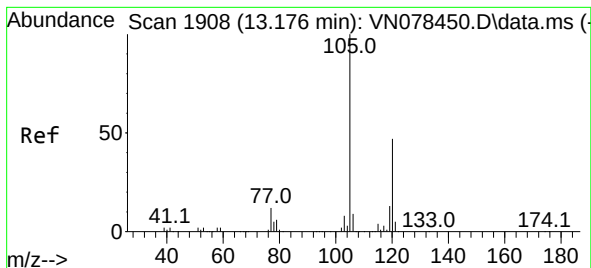
Tgt Ion: 91 Resp: 884457

Ion Ratio Lower Upper

91 100

126 35.0 16.3 48.8





#80

1,3,5-Trimethylbenzene

Concen: 44.538 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN078612.D

Acq: 21 Jul 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MS

Tgt Ion:105 Resp: 102768

Ion Ratio Lower Upper

105 100

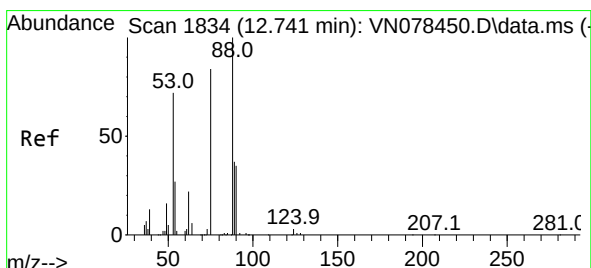
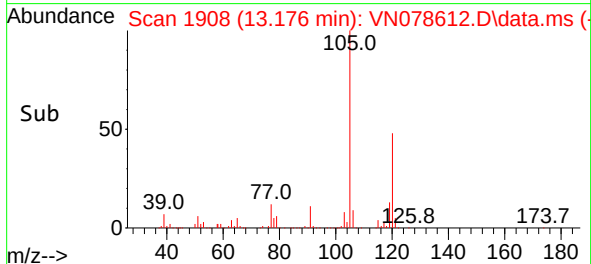
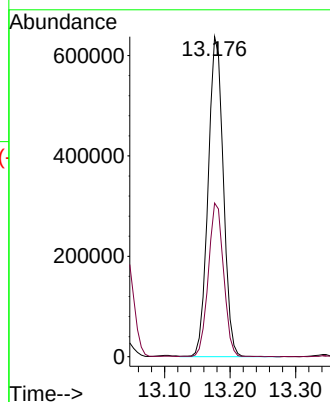
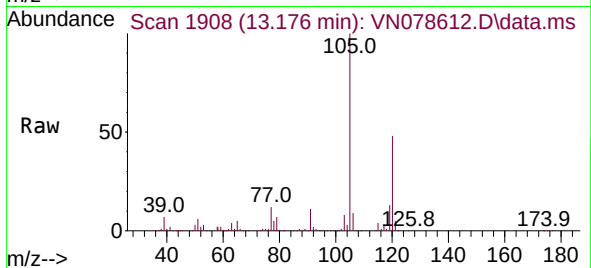
120 48.2 24.1 72.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#81

trans-1,4-Dichloro-2-butene

Concen: 43.570 ug/l

RT: 12.741 min Scan# 1834

Delta R.T. 0.000 min

Lab File: VN078612.D

Acq: 21 Jul 2023 14:35

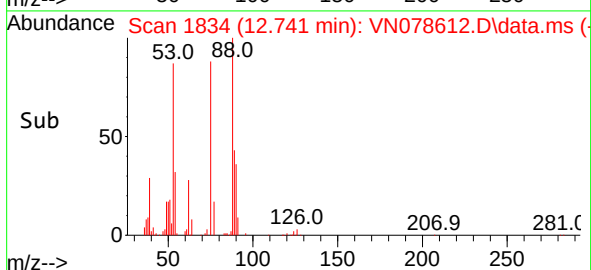
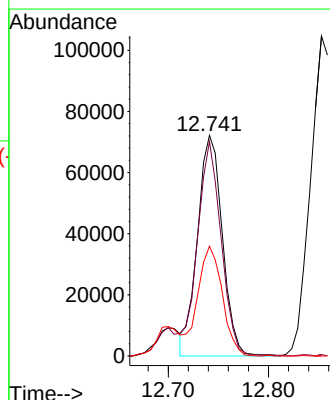
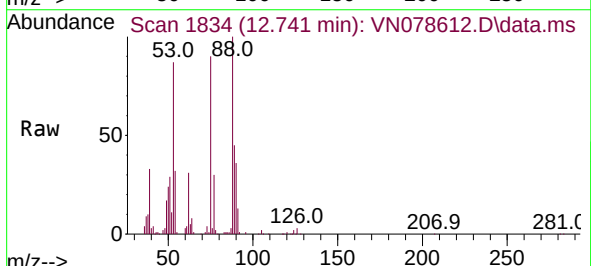
Tgt Ion: 75 Resp: 124553

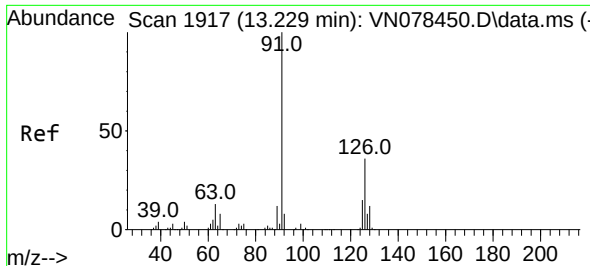
Ion Ratio Lower Upper

75 100

53 94.4 67.4 101.2

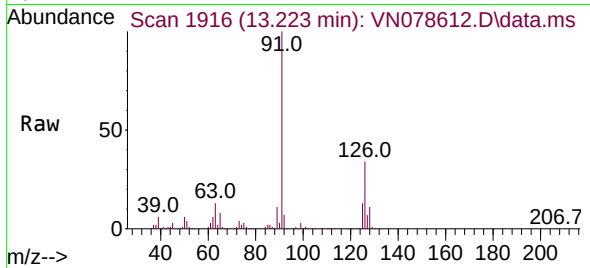
89 49.9 38.8 58.2





#82
4-Chlorotoluene
Concen: 44.972 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

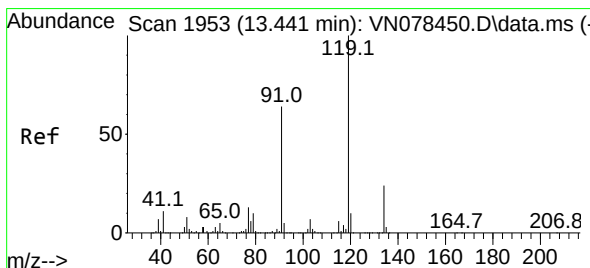
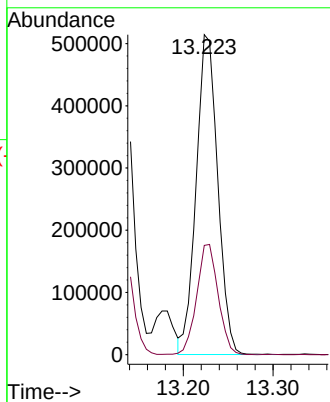
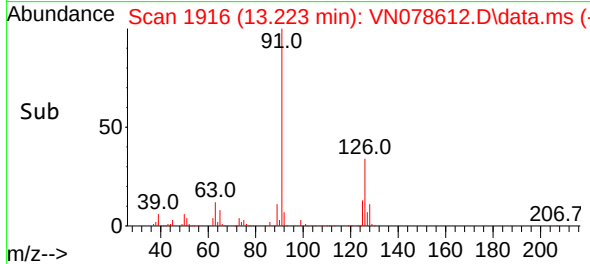
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



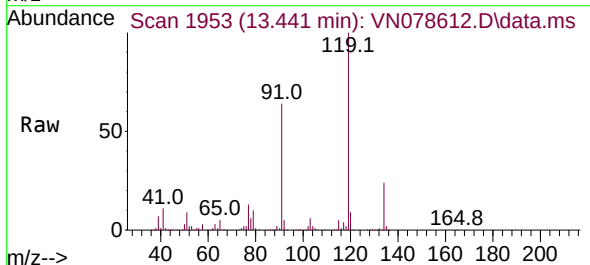
Tgt Ion: 91 Resp: 858219
Ion Ratio Lower Upper
91 100
126 34.4 16.7 50.0

Manual Integrations
APPROVED

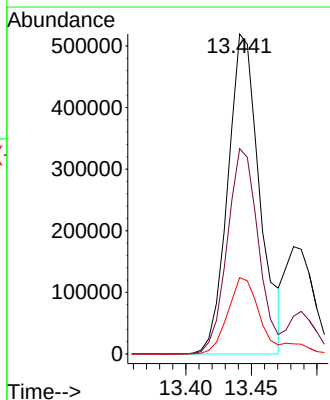
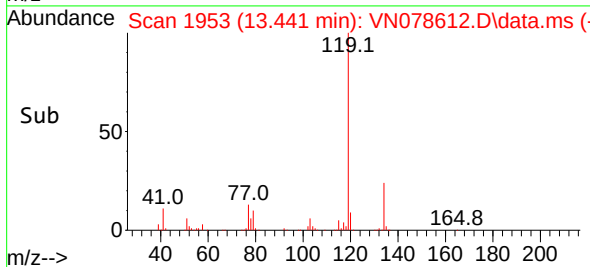
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

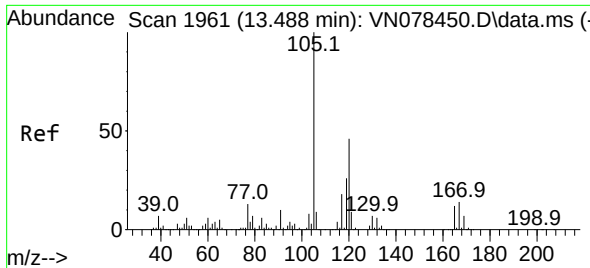


#83
tert-Butylbenzene
Concen: 44.709 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35



Tgt Ion:119 Resp: 875845
Ion Ratio Lower Upper
119 100
91 62.9 33.9 101.7
134 26.0 13.2 39.6





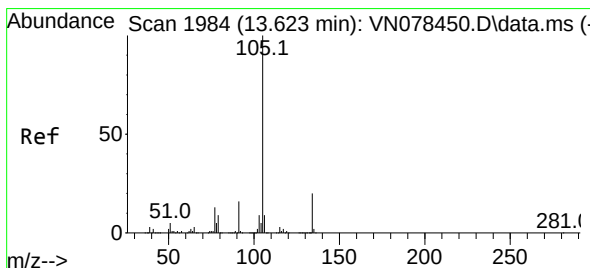
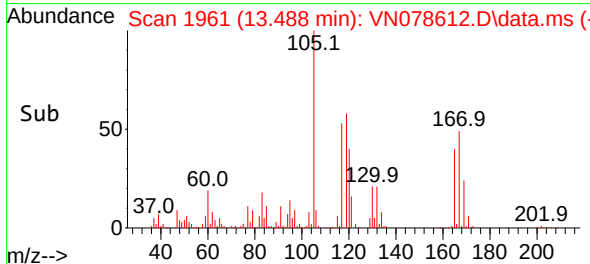
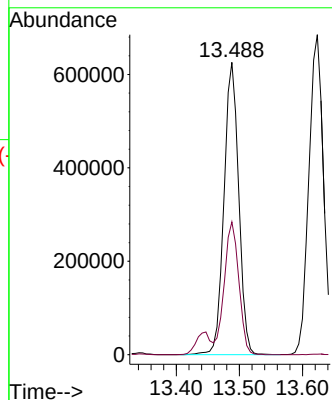
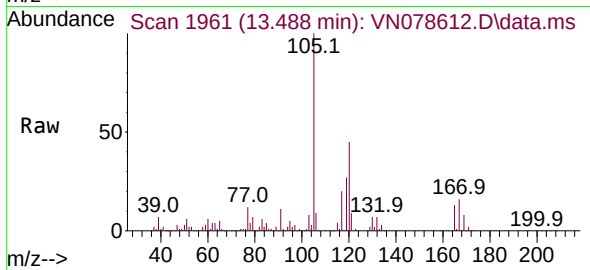
#84
1,2,4-Trimethylbenzene
Concen: 45.145 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MS

Tgt Ion:105 Resp: 1011810
Ion Ratio Lower Upper
105 100
120 45.0 22.0 66.0

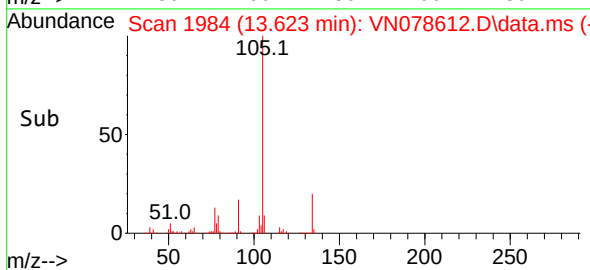
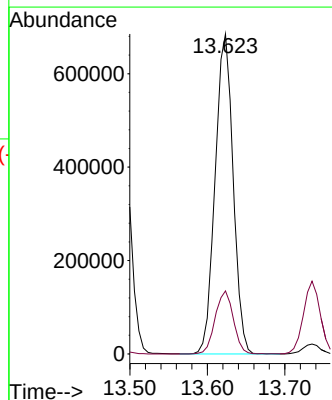
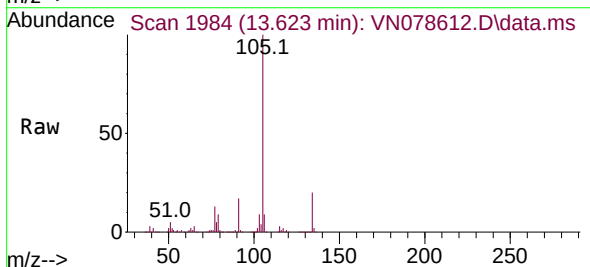
Manual Integrations
APPROVED

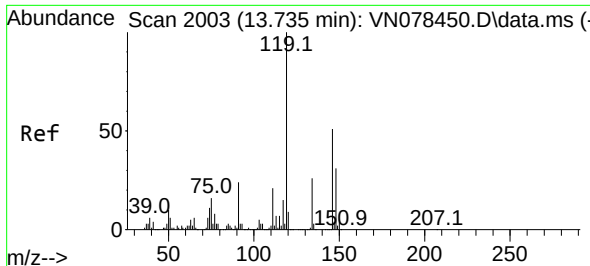
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#85
sec-Butylbenzene
Concen: 44.590 ug/l
RT: 13.623 min Scan# 1984
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

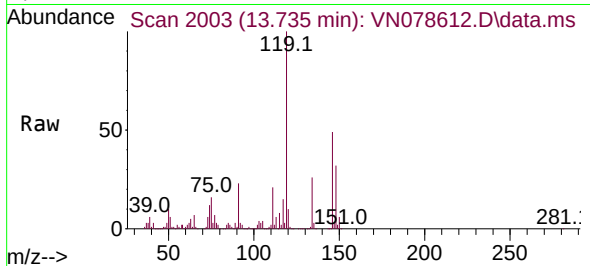
Tgt Ion:105 Resp: 1104129
Ion Ratio Lower Upper
105 100
134 19.9 9.8 29.3





#86
p-Isopropyltoluene
Concen: 45.576 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

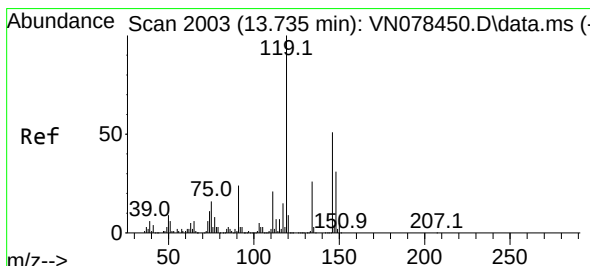
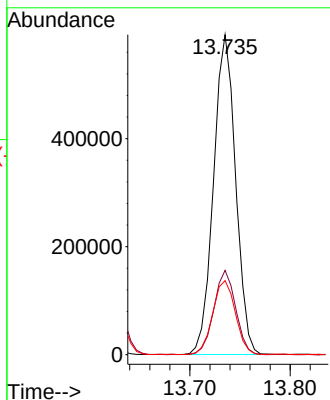
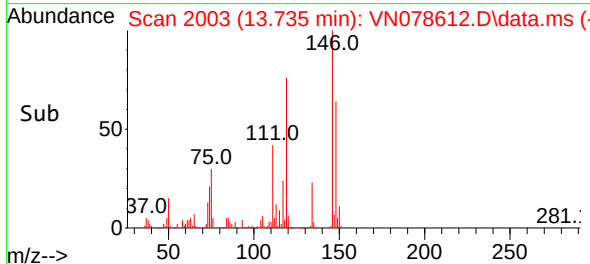
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MS



Tgt Ion:119 Resp: 90616
Ion Ratio Lower Upper
119 100
134 26.0 12.6 37.8
91 23.7 12.4 37.2

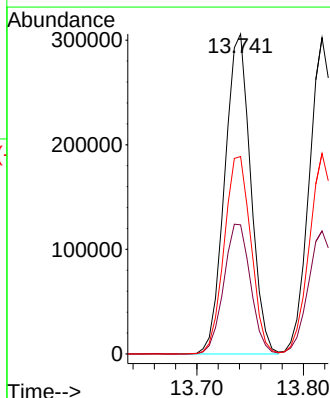
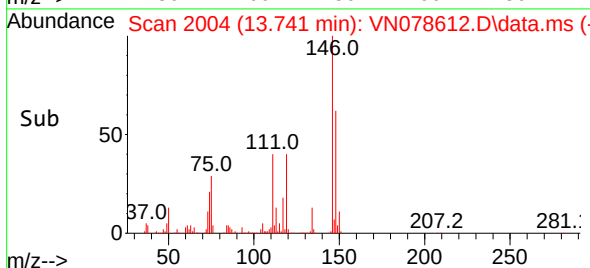
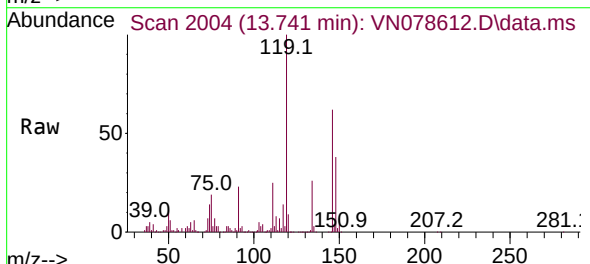
Manual Integrations
APPROVED

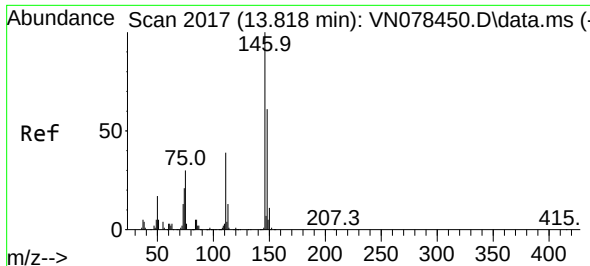
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#87
1,3-Dichlorobenzene
Concen: 46.173 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.006 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

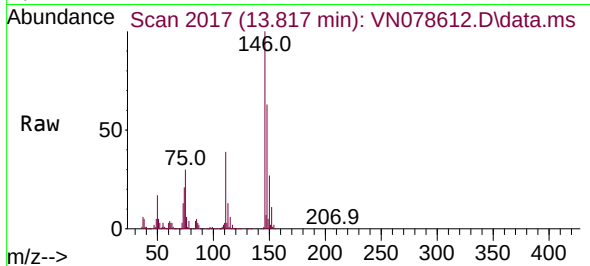
Tgt Ion:146 Resp: 517642
Ion Ratio Lower Upper
146 100
111 41.8 22.1 66.3
148 63.7 32.0 96.0





#88
1,4-Dichlorobenzene
Concen: 44.519 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.001 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

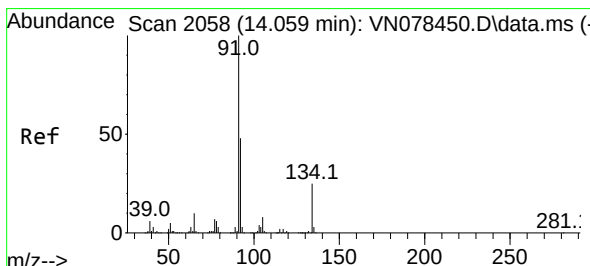
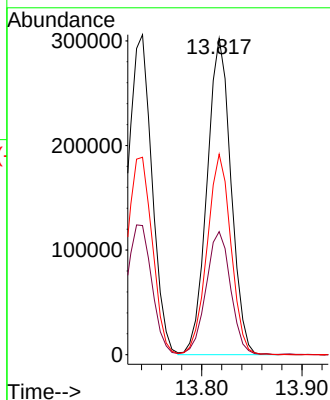
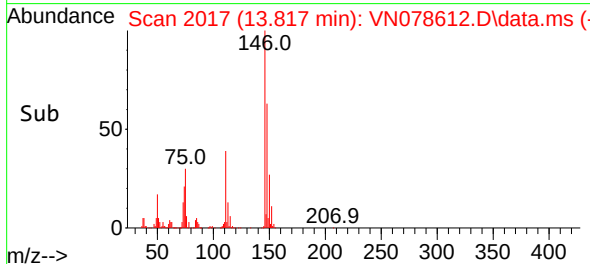
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MS



Tgt Ion:146 Resp: 50271
Ion Ratio Lower Upper
146 100
111 39.7 20.6 61.8
148 63.0 31.6 94.8

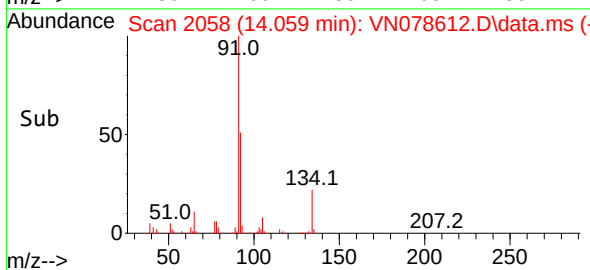
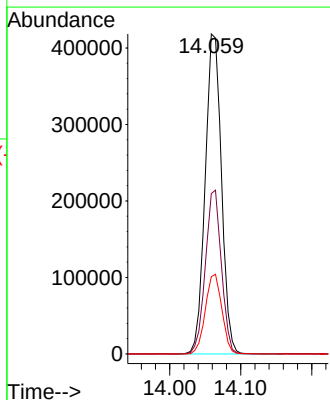
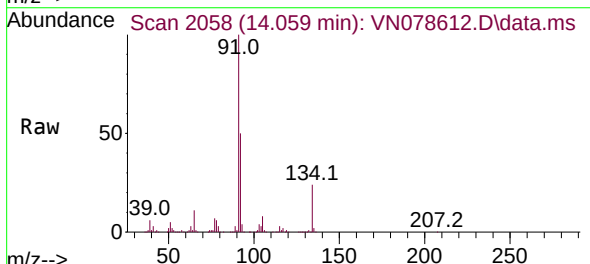
Manual Integrations
APPROVED

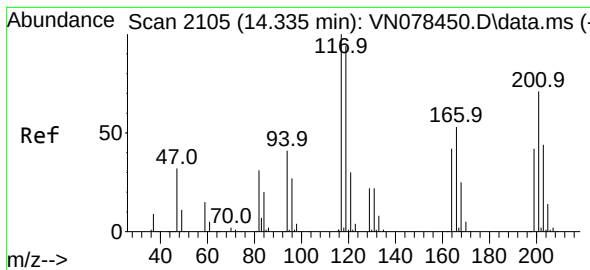
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#89
n-Butylbenzene
Concen: 46.876 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

Tgt Ion: 91 Resp: 666867
Ion Ratio Lower Upper
91 100
92 50.5 26.4 79.0
134 25.3 12.6 37.6





#90

Hexachloroethane

Concen: 48.275 ug/l

RT: 14.341 min Scan# 2105

Delta R.T. 0.006 min

Lab File: VN078612.D

Acq: 21 Jul 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MS

Tgt Ion:117 Resp: 176520

Ion Ratio Lower Upper

117 100

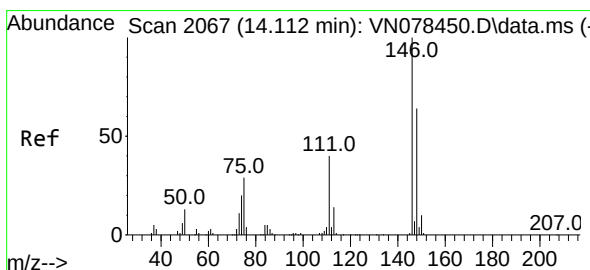
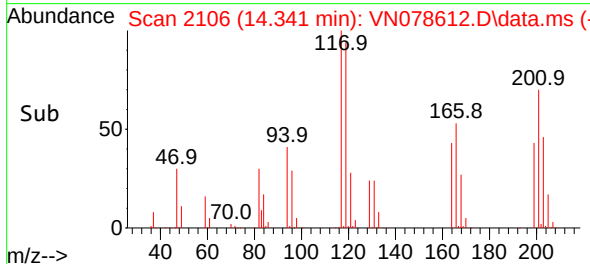
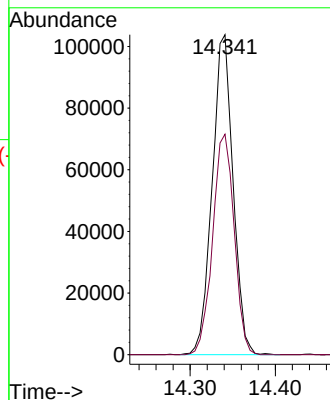
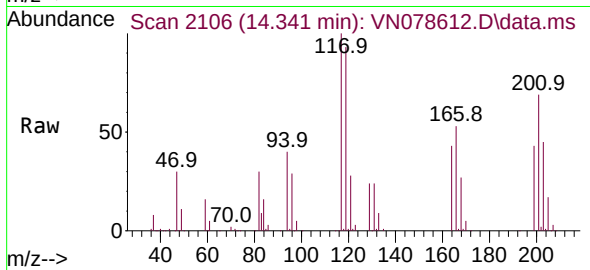
201 71.1 29.3 88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#91

1,2-Dichlorobenzene

Concen: 45.467 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. -0.000 min

Lab File: VN078612.D

Acq: 21 Jul 2023 14:35

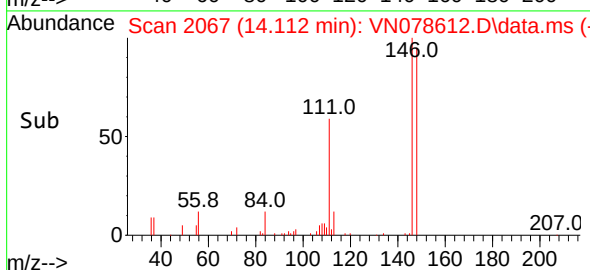
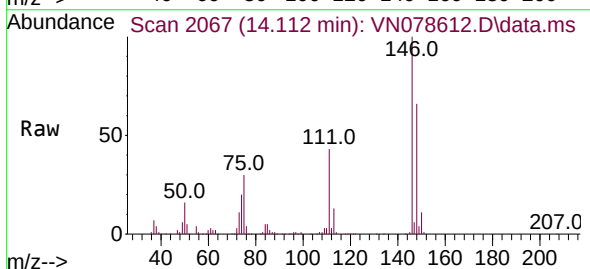
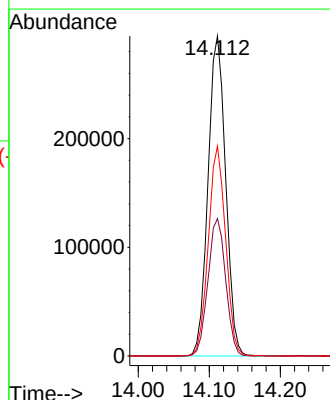
Tgt Ion:146 Resp: 507272

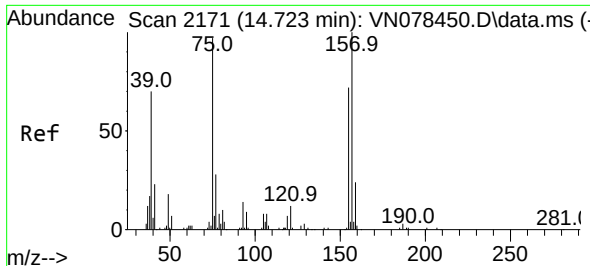
Ion Ratio Lower Upper

146 100

111 43.2 22.0 66.0

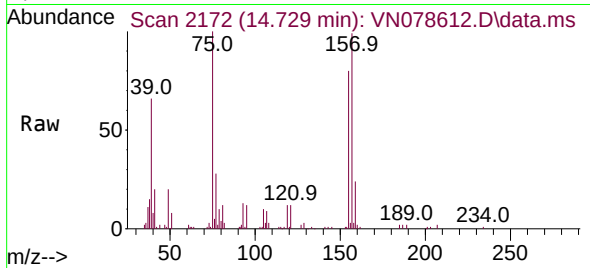
148 64.4 31.8 95.3





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.954 ug/l
 RT: 14.729 min Scan# 2171
 Delta R.T. 0.006 min
 Lab File: VN078612.D
 Acq: 21 Jul 2023 14:35

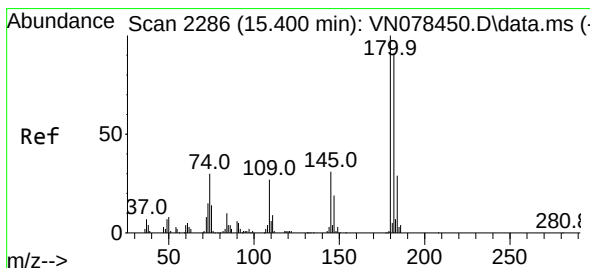
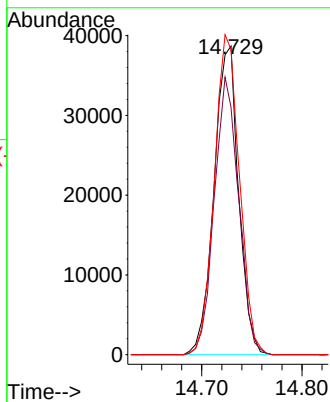
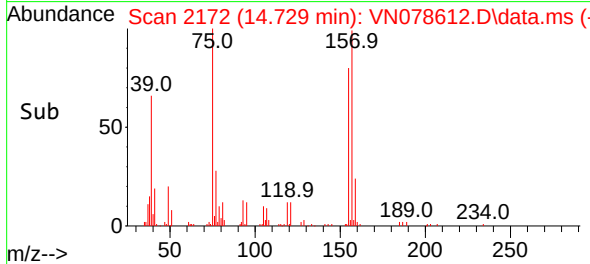
Instrument :
 MSVOA_N
 ClientSampleId :
 GWBR-04-400-415-072023MS



Tgt Ion: 75 Resp: 65808
 Ion Ratio Lower Upper
 75 100
 155 89.4 39.1 117.2
 157 106.1 50.3 150.9

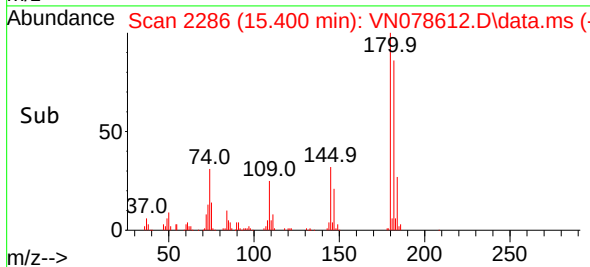
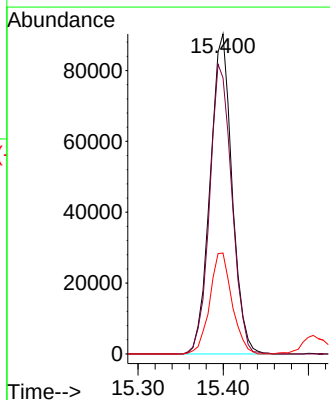
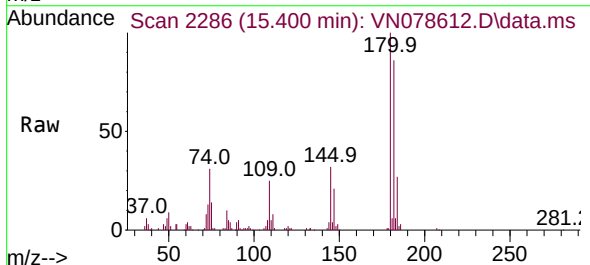
Manual Integrations
 APPROVED

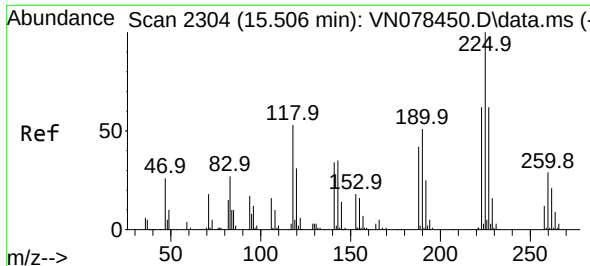
Reviewed By :John Carlone 07/24/2023
 Supervised By :Mahesh Dadoda 07/24/2023



#93
 1,2,4-Trichlorobenzene
 Concen: 45.368 ug/l
 RT: 15.400 min Scan# 2286
 Delta R.T. -0.000 min
 Lab File: VN078612.D
 Acq: 21 Jul 2023 14:35

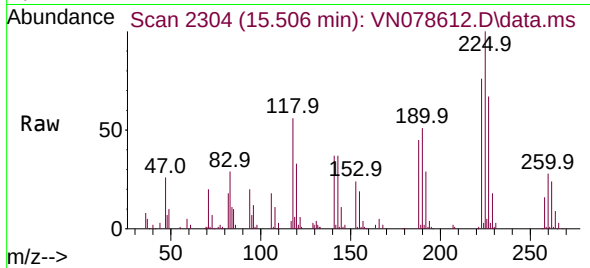
Tgt Ion:180 Resp: 161545
 Ion Ratio Lower Upper
 180 100
 182 91.7 46.1 138.2
 145 32.1 16.6 49.8





#94
Hexachlorobutadiene
Concen: 50.387 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

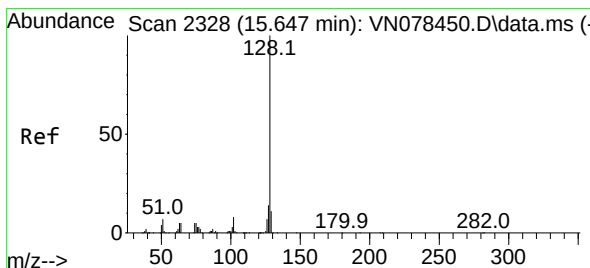
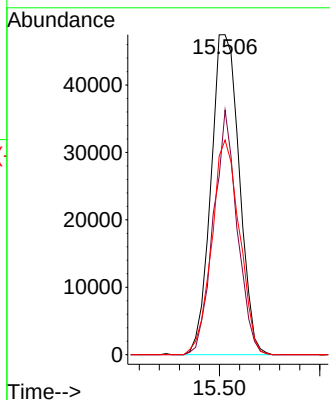
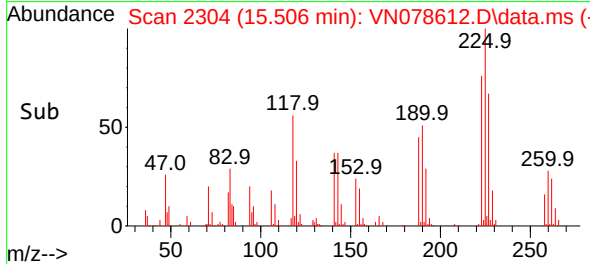
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MS



Tgt Ion:225 Resp: 92758
Ion Ratio Lower Upper
225 100
223 64.1 31.3 93.8
227 66.0 31.9 95.9

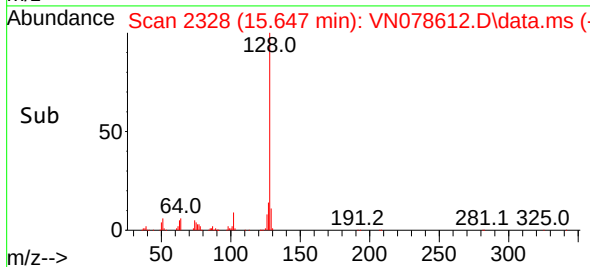
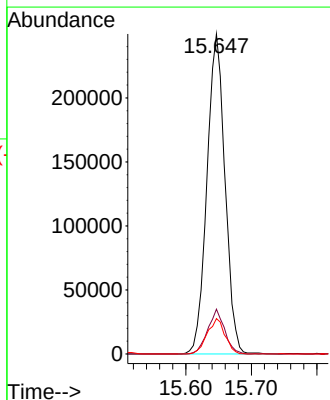
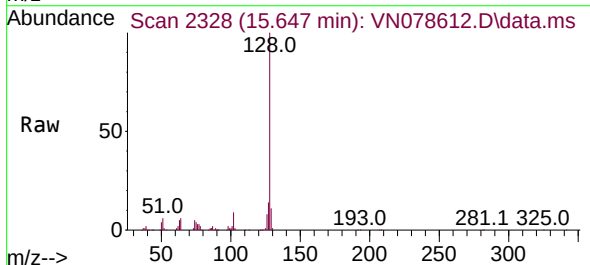
Manual Integrations
APPROVED

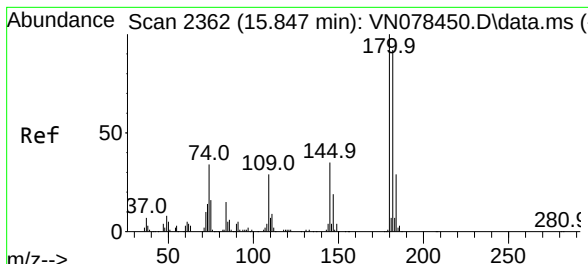
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#95
Naphthalene
Concen: 39.251 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078612.D
Acq: 21 Jul 2023 14:35

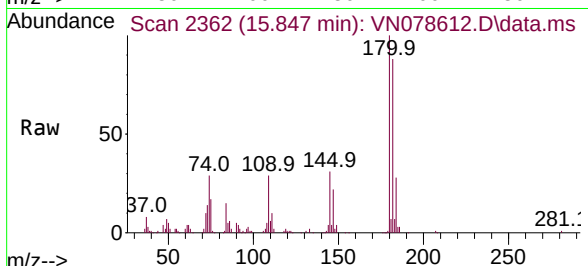
Tgt Ion:128 Resp: 477799
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 10.9 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 42.940 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN078612.D
 Acq: 21 Jul 2023 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 GWBR-04-400-415-072023MS



Tgt Ion:180	Resp:	175808
Ion Ratio	Lower	Upper
180	100	
182	94.0	46.2 138.6
145	32.1	17.5 52.6

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/24/2023
 Supervised By :Mahesh Dadoda 07/24/2023

