

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072123\
 Data File : VN078613.D
 Acq On : 21 Jul 2023 14:59
 Operator : JC\MD
 Sample : 03709-05MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 21 23:24:13 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	448759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	787484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	704552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	292892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	323288	53.737	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.480%			
35) Dibromofluoromethane	8.177	113	286476	53.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.180%			
50) Toluene-d8	10.571	98	1020775	50.547	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.853	95	335941	54.007	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	214627	39.009	ug/l	95
3) Chloromethane	2.371	50	299303	50.049	ug/l	99
4) Vinyl Chloride	2.518	62	362281	46.831	ug/l	99
5) Bromomethane	2.948	94	258568	53.157	ug/l	98
6) Chloroethane	3.118	64	259096	55.581	ug/l	98
7) Trichlorofluoromethane	3.500	101	419965	45.414	ug/l	98
8) Diethyl Ether	3.965	74	160294	52.026	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	215068	43.934	ug/l	94
10) Methyl Iodide	4.600	142	339414	50.457	ug/l	97
11) Tert butyl alcohol	5.536	59	224920	242.449	ug/l #	89
12) 1,1-Dichloroethene	4.347	96	291987	61.663	ug/l	90
13) Acrolein	4.195	56	243756	267.062	ug/l	98
14) Allyl chloride	5.030	41	313642	48.473	ug/l	96
15) Acrylonitrile	5.730	53	640058	273.069	ug/l	99
16) Acetone	4.442	43	484399	258.482	ug/l	94
17) Carbon Disulfide	4.718	76	545745	39.857	ug/l	99
18) Methyl Acetate	5.042	43	414289	52.223	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	847778	54.339	ug/l	97
20) Methylene Chloride	5.283	84	288069	53.680	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	262870	49.263	ug/l	87
22) Diisopropyl ether	6.683	45	809772	55.892	ug/l #	92
23) Vinyl Acetate	6.618	43	2460571	267.144	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	525507	53.829	ug/l	97
25) 2-Butanone	7.494	43	801657	271.753	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	392166	49.114	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	401609	65.060	ug/l	96
28) Bromochloromethane	7.818	49	247031	53.723	ug/l	93
29) Tetrahydrofuran	7.847	42	531627	274.649	ug/l #	84
30) Chloroform	7.977	83	553616	54.469	ug/l	94
31) Cyclohexane	8.265	56	332982	40.955	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	474834	52.107	ug/l	97
36) 1,1-Dichloropropene	8.377	75	367323	47.589	ug/l	97
37) Ethyl Acetate	7.571	43	336754	52.336	ug/l #	94
38) Carbon Tetrachloride	8.371	117	410360	48.916	ug/l	96
39) Methylcyclohexane	9.606	83	303411	43.064	ug/l	94
40) Benzene	8.612	78	1174299	51.353	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	171840	52.387	ug/l	95
42) 1,2-Dichloroethane	8.677	62	415059	53.363	ug/l	99
43) Isopropyl Acetate	8.700	43	577947	54.557	ug/l	95
44) Trichloroethene	9.359	130	357558	58.015	ug/l	98
45) 1,2-Dichloropropane	9.629	63	307841	53.153	ug/l	99
46) Dibromomethane	9.712	93	220089	53.992	ug/l	93
47) Bromodichloromethane	9.894	83	438292	53.638	ug/l	98
48) Methyl methacrylate	9.688	41	272241	55.470	ug/l	89
49) 1,4-Dioxane	9.700	88	109418	1022.302	ug/l	88
51) 4-Methyl-2-Pentanone	10.453	43	1792594	284.488	ug/l	93
52) Toluene	10.635	92	1541597	108.773	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	459207	54.855	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	487353	54.616	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	306657	54.918	ug/l	96
56) Ethyl methacrylate	10.882	69	456883	58.532	ug/l	91
57) 1,3-Dichloropropane	11.171	76	507903	53.495	ug/l	99
59) 2-Hexanone	11.200	43	1283840	286.681	ug/l	91
60) Dibromochloromethane	11.365	129	346869	56.268	ug/l	100
61) 1,2-Dibromoethane	11.476	107	315497	54.848	ug/l	97
64) Tetrachloroethene	11.112	164	240676	45.436	ug/l	96
65) Chlorobenzene	11.894	112	783030	49.721	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	323038	53.321	ug/l	98
67) Ethyl Benzene	11.970	91	1356237	50.948	ug/l	98
68) m/p-Xylenes	12.076	106	1022619	103.901	ug/l	98
69) o-Xylene	12.406	106	512791	51.583	ug/l	98
70) Styrene	12.418	104	834976	53.687	ug/l	98
71) Bromoform	12.582	173	235789	57.466	ug/l #	97
73) Isopropylbenzene	12.700	105	1226736	44.574	ug/l	99
74) N-amyl acetate	12.500	43	466070	49.141	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	442930	58.125	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	341887m	48.292	ug/l	
77) Bromobenzene	12.988	156	310646	51.965	ug/l	96
78) n-propylbenzene	13.041	91	1367710	46.469	ug/l	99
79) 2-Chlorotoluene	13.129	91	875418	45.408	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	1010385	46.465	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	141995	52.706	ug/l	90
82) 4-Chlorotoluene	13.229	91	855579	47.573	ug/l	99
83) tert-Butylbenzene	13.441	119	846753	45.865	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1008803	47.761	ug/l	99
85) sec-Butylbenzene	13.623	105	1072756	45.971	ug/l	99
86) p-Isopropyltoluene	13.735	119	884985	47.230	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	513556	48.608	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	496253	46.632	ug/l	98
89) n-Butylbenzene	14.064	91	676886	50.487	ug/l	97
90) Hexachloroethane	14.341	117	176065	51.141	ug/l	88
91) 1,2-Dichlorobenzene	14.112	146	517826	49.249	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	69646	52.975	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	163220	48.640	ug/l	96
94) Hexachlorobutadiene	15.506	225	94201	54.649	ug/l	97
95) Naphthalene	15.647	128	519611	45.294	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	183386	47.527	ug/l	98

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GWR-04-400-415-072023MSD

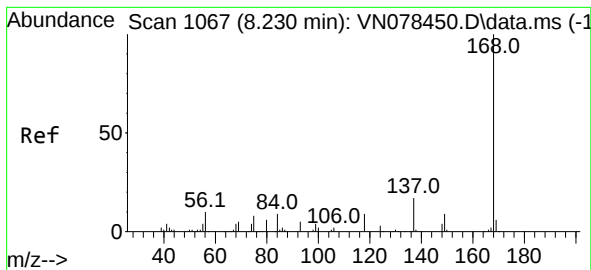
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 07/24/2023

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

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



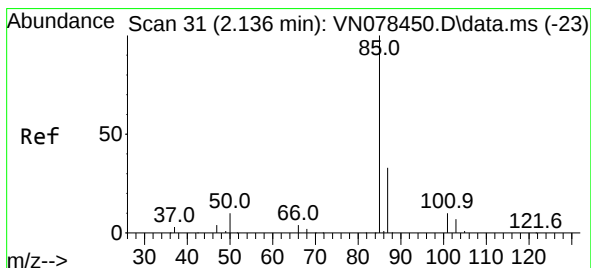
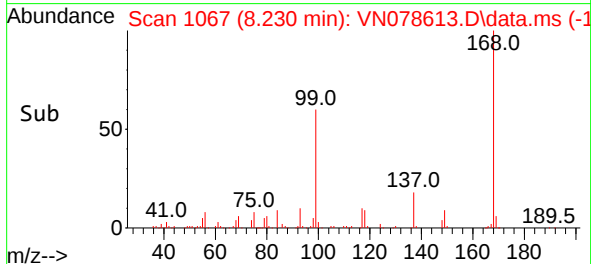
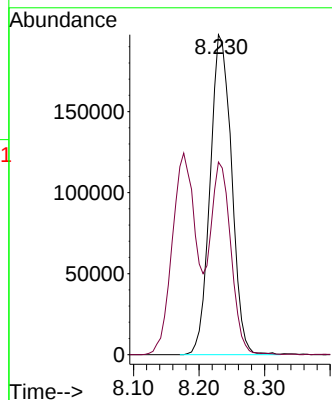
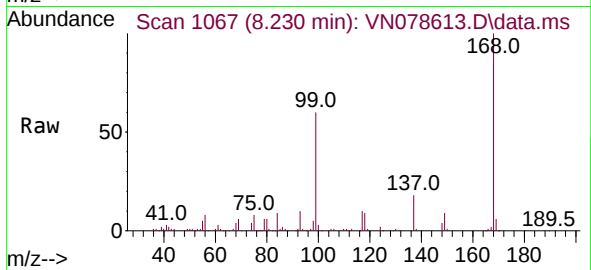
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN078613.D
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Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MSD

Tgt Ion:168 Resp: 448759
Ion Ratio Lower Upper
168 100
99 60.1 53.0 79.6

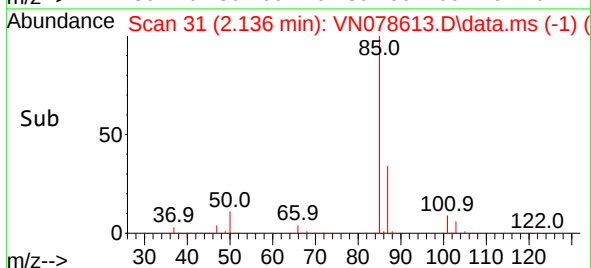
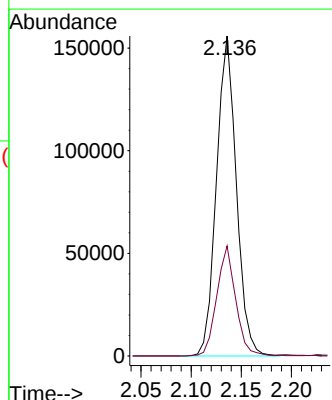
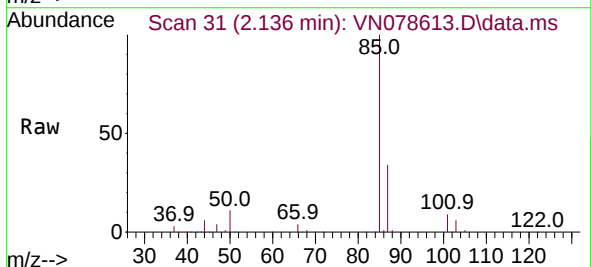
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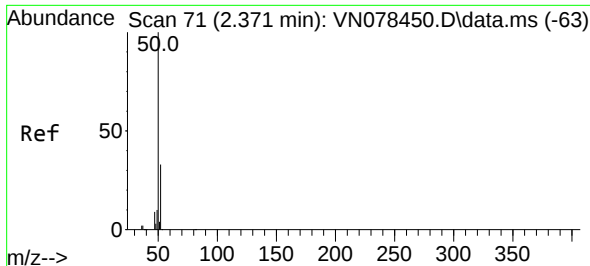
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#2
Dichlorodifluoromethane
Concen: 39.009 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

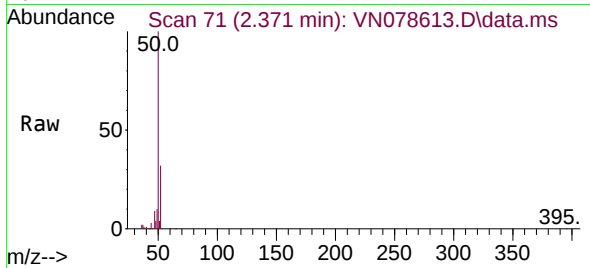
Tgt Ion: 85 Resp: 214627
Ion Ratio Lower Upper
85 100
87 34.4 15.8 47.4





#3
Chloromethane
Concen: 50.049 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

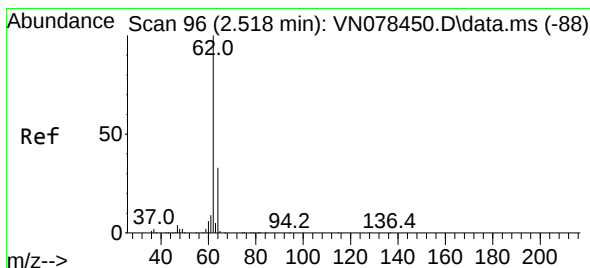
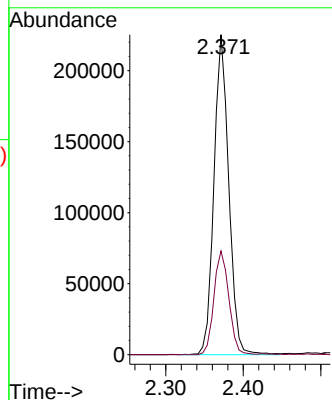
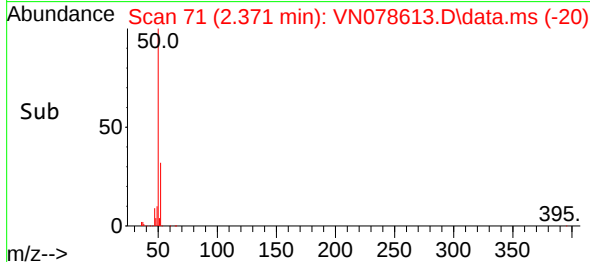
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Tgt Ion: 50 Resp: 299300
Ion Ratio Lower Upper
50 100
52 32.4 26.5 39.7

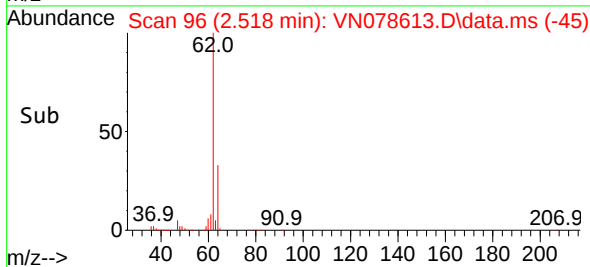
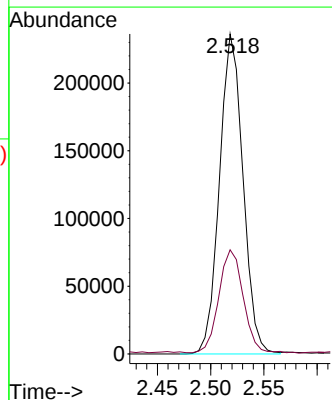
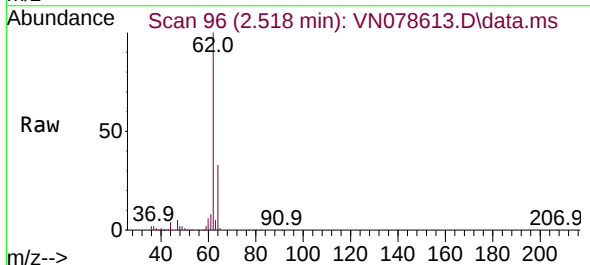
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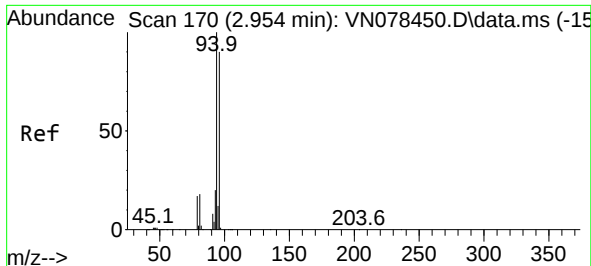
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#4
Vinyl Chloride
Concen: 46.831 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

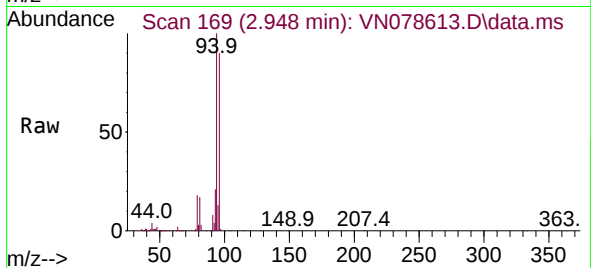
Tgt Ion: 62 Resp: 362281
Ion Ratio Lower Upper
62 100
64 31.9 26.2 39.2





#5
Bromomethane
Concen: 53.157 ug/l
RT: 2.948 min Scan# 170
Delta R.T. -0.006 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

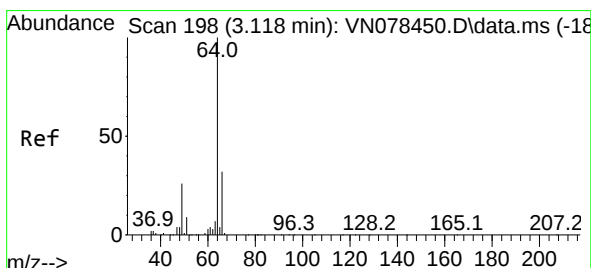
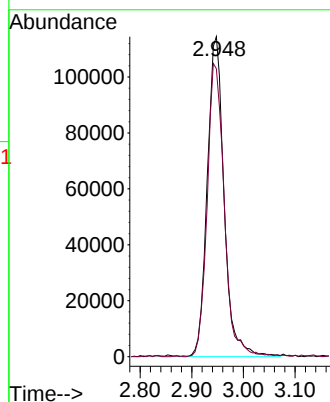
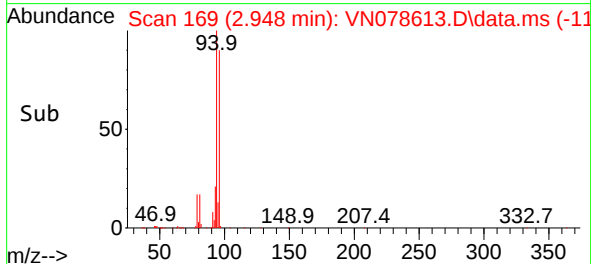
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Tgt Ion: 94 Resp: 258568
Ion Ratio Lower Upper
94 100
96 89.8 73.1 109.7

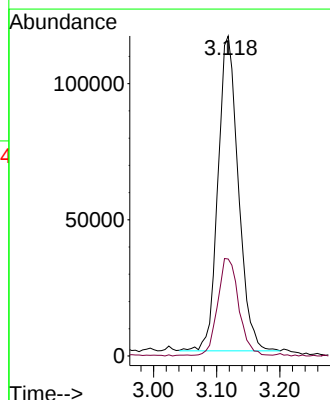
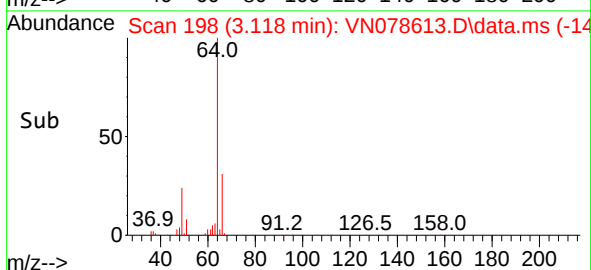
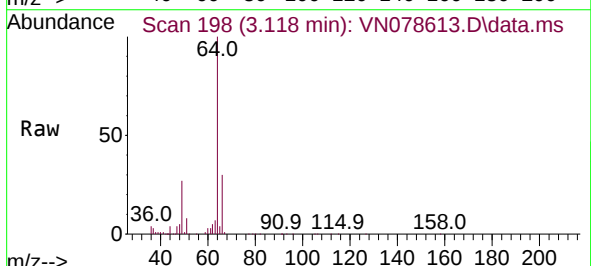
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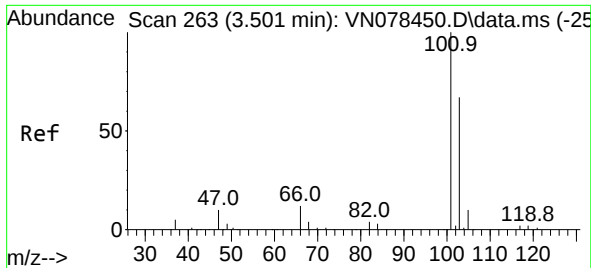
Reviewed By :John Carlone 07/24/2023
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#6
Chloroethane
Concen: 55.581 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
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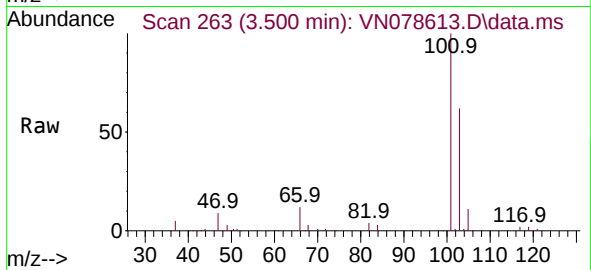
Tgt Ion: 64 Resp: 259096
Ion Ratio Lower Upper
64 100
66 30.6 25.4 38.2





#7
 Trichlorofluoromethane
 Concen: 45.414 ug/l
 RT: 3.500 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: VN078613.D
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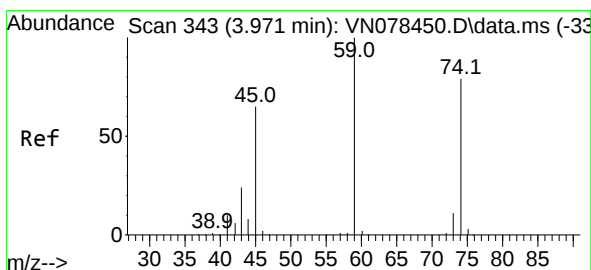
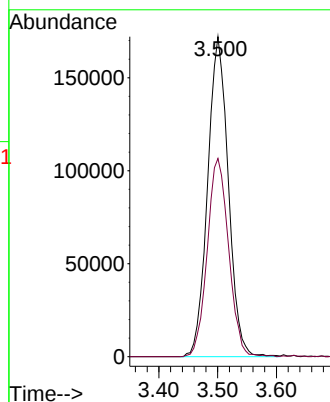
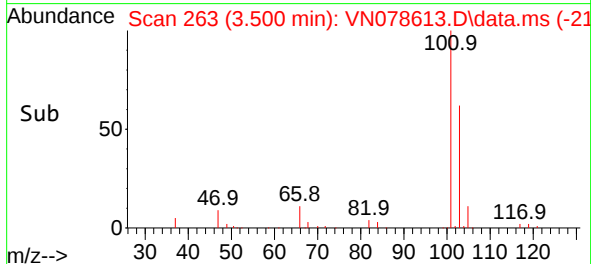
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Tgt Ion:101 Resp: 41996
 Ion Ratio Lower Upper
 101 100
 103 61.9 50.7 76.1

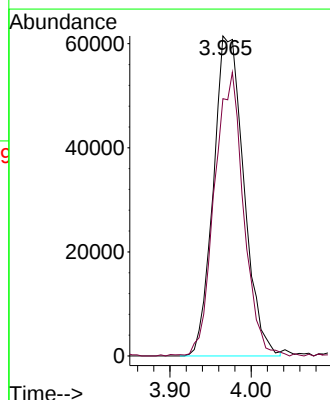
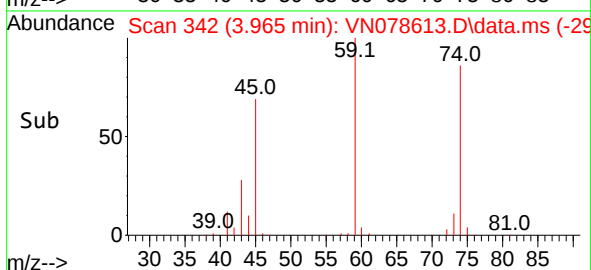
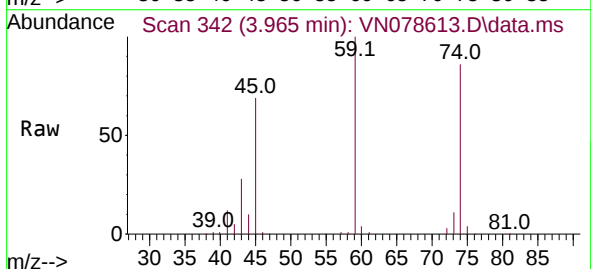
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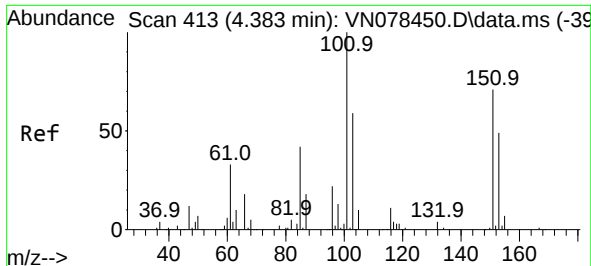
Reviewed By :John Carlone 07/24/2023
 Supervised By :Mahesh Dadoda 07/24/2023



#8
 Diethyl Ether
 Concen: 52.026 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. -0.006 min
 Lab File: VN078613.D
 Acq: 21 Jul 2023 14:59

Tgt Ion: 74 Resp: 160294
 Ion Ratio Lower Upper
 74 100
 45 84.7 34.4 103.3





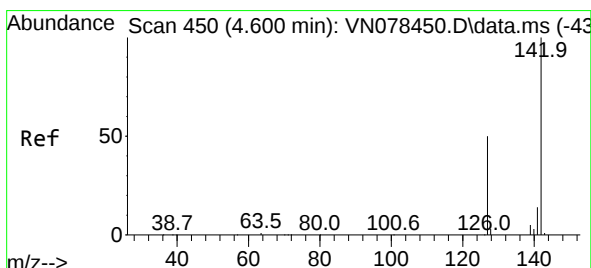
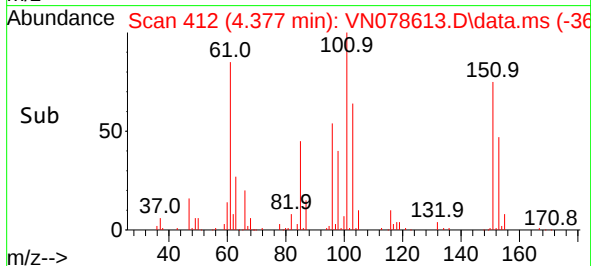
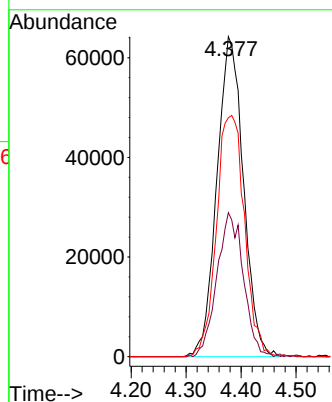
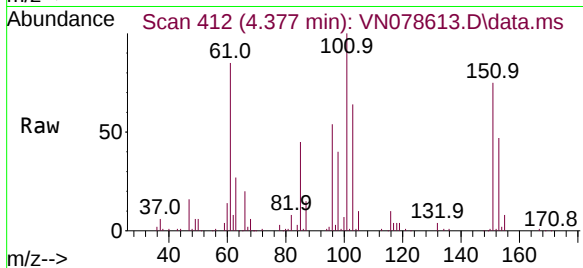
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.934 ug/l
RT: 4.377 min Scan# 413
Delta R.T. -0.006 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

Instrument :
MSVOA_N
ClientSampleId :
GWRB-04-400-415-072023MSD

Tgt Ion:101 Resp: 21506
Ion Ratio Lower Upper
101 100
85 44.8 36.6 55.0
151 79.8 57.6 86.4

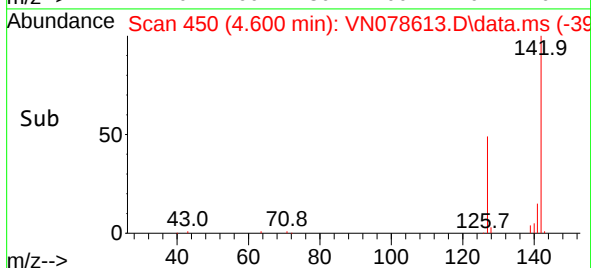
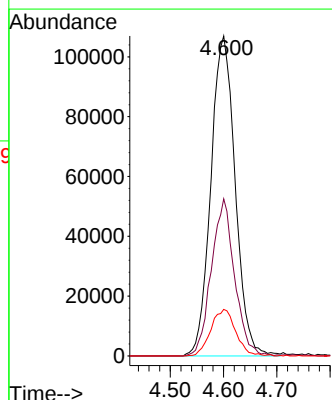
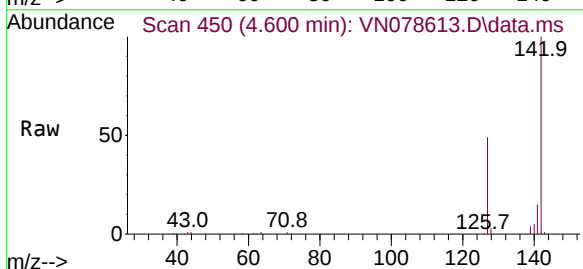
Manual Integrations
APPROVED

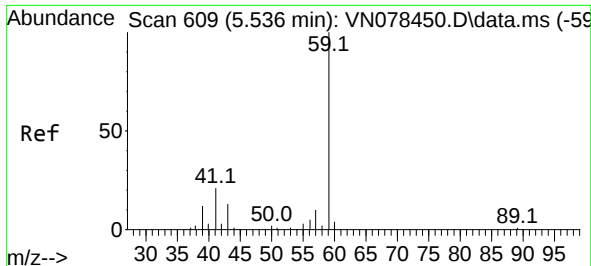
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#10
Methyl Iodide
Concen: 50.457 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

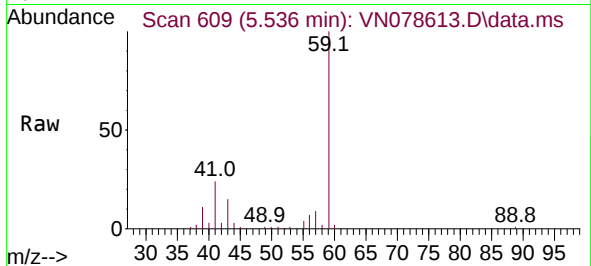
Tgt Ion:142 Resp: 339414
Ion Ratio Lower Upper
142 100
127 49.1 37.6 56.4
141 14.5 11.4 17.0





#11
Tert butyl alcohol
Concen: 242.449 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

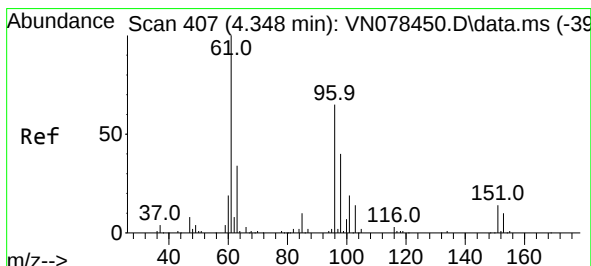
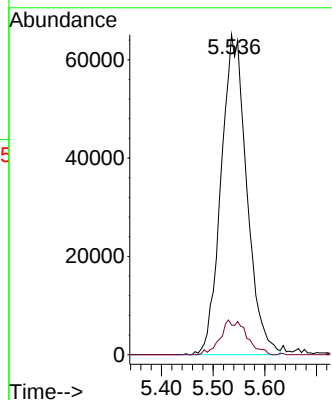
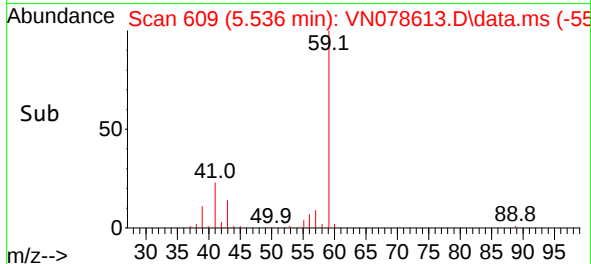
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MSD



Tgt Ion: 59 Resp: 224920
Ion Ratio Lower Upper
59 100
57 6.1 8.2 12.4

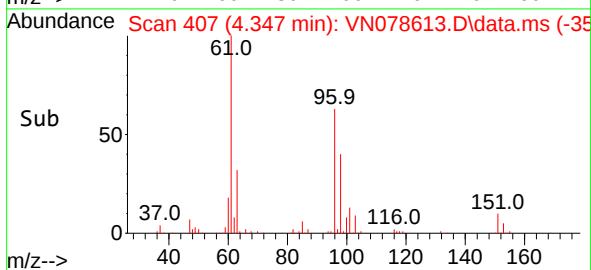
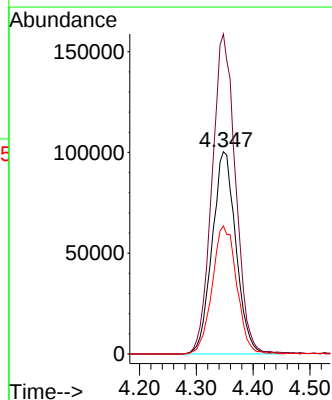
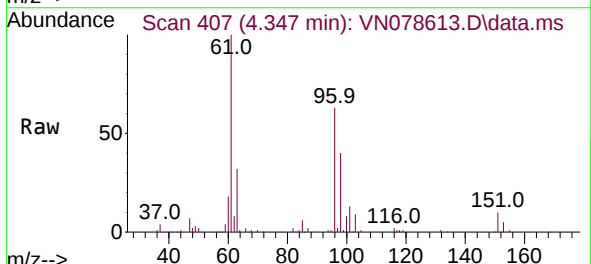
Manual Integrations
APPROVED

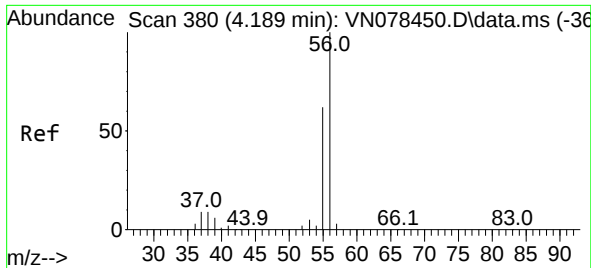
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#12
1,1-Dichloroethene
Concen: 61.663 ug/l
RT: 4.347 min Scan# 407
Delta R.T. -0.001 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

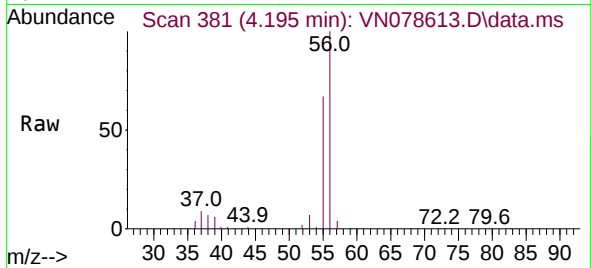
Tgt Ion: 96 Resp: 291987
Ion Ratio Lower Upper
96 100
61 158.2 112.7 169.1
98 63.3 51.2 76.8





#13
Acrolein
Concen: 267.062 ug/l
RT: 4.195 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

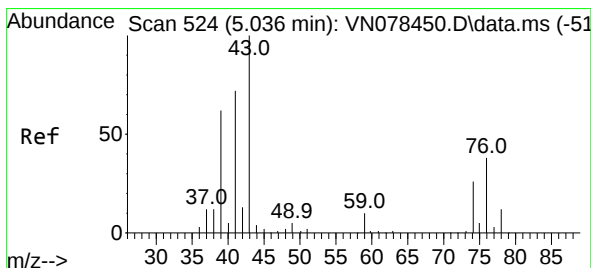
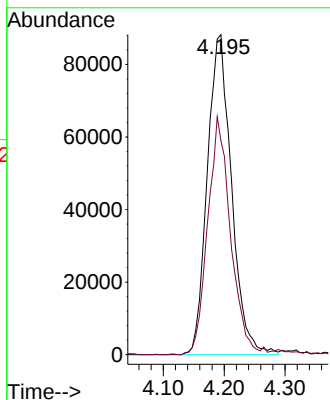
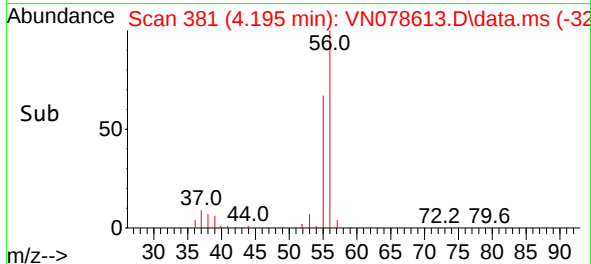
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MSD



Tgt Ion: 56 Resp: 243750
Ion Ratio Lower Upper
56 100
55 69.7 54.5 81.7

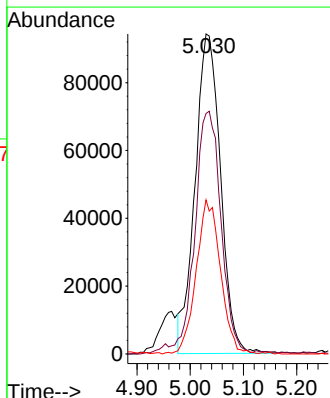
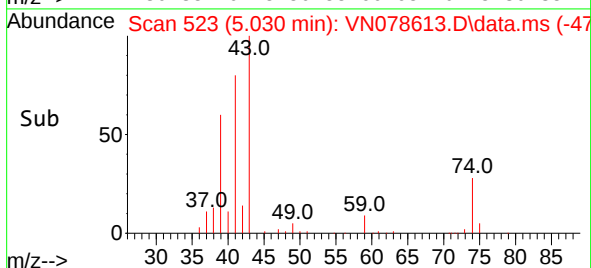
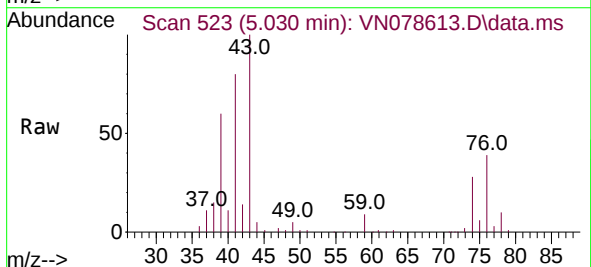
Manual Integrations
APPROVED

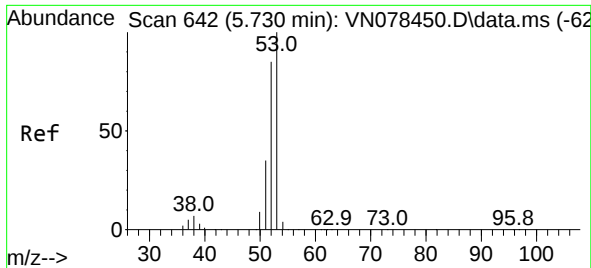
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#14
Allyl chloride
Concen: 48.473 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

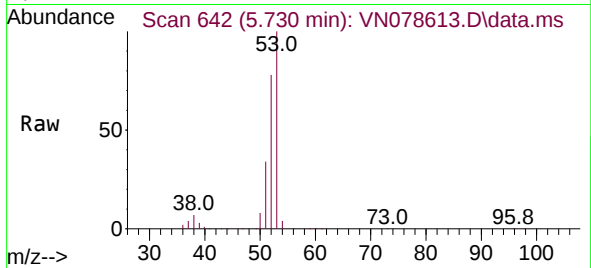
Tgt Ion: 41 Resp: 313642
Ion Ratio Lower Upper
41 100
39 76.4 58.8 88.2
76 45.9 39.1 58.7





#15
Acrylonitrile
Concen: 273.069 ug/l
RT: 5.730 min Scan# 642
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

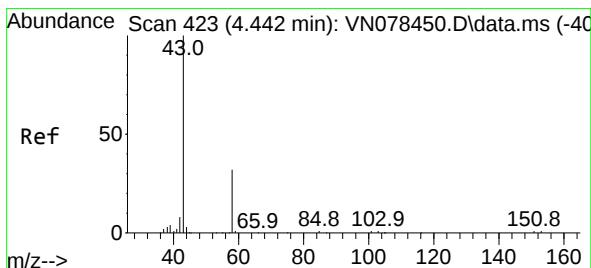
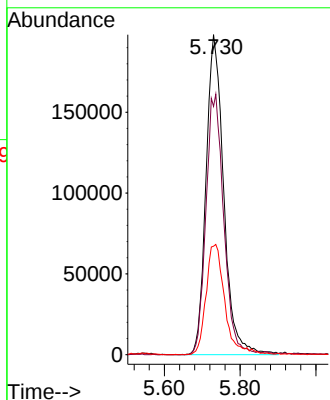
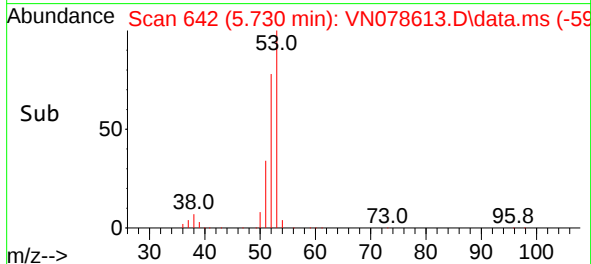
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MSD



Tgt Ion: 53 Resp: 640058
Ion Ratio Lower Upper
53 100
52 82.0 65.3 97.9
51 36.7 28.9 43.3

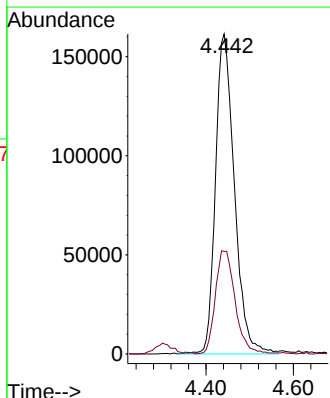
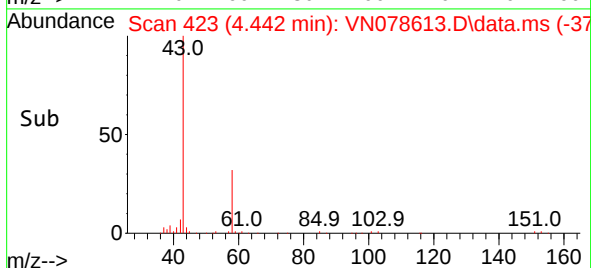
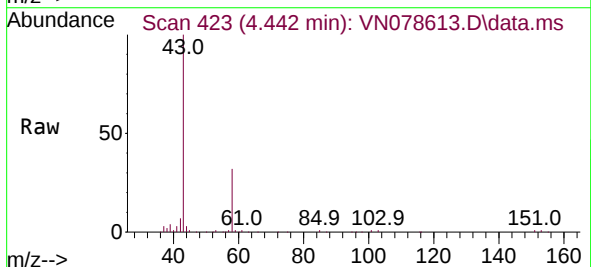
Manual Integrations
APPROVED

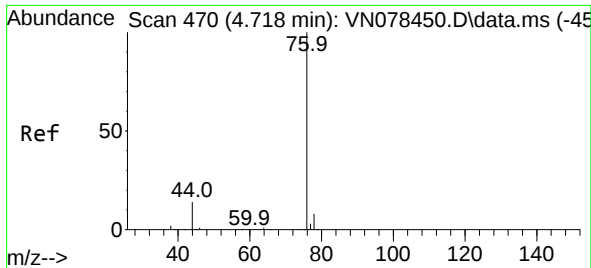
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#16
Acetone
Concen: 258.482 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

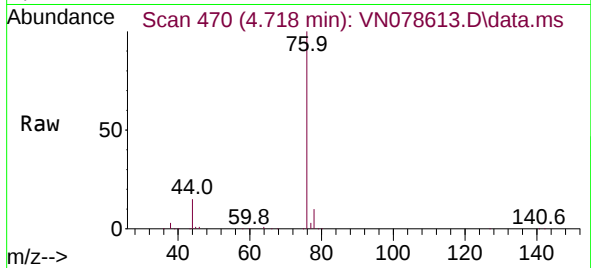
Tgt Ion: 43 Resp: 484399
Ion Ratio Lower Upper
43 100
58 31.7 28.0 42.0





#17
Carbon Disulfide
Concen: 39.857 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

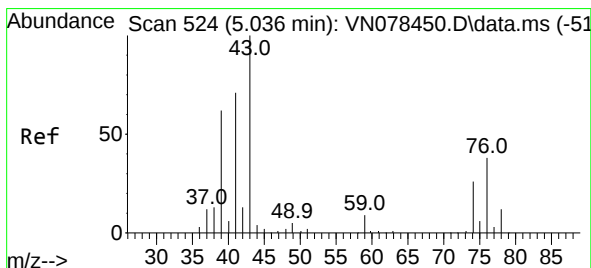
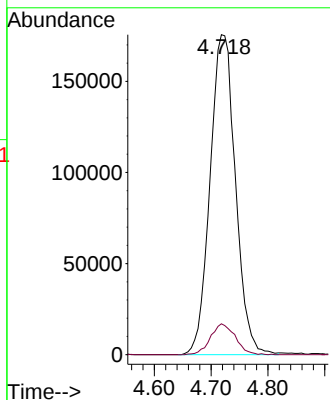
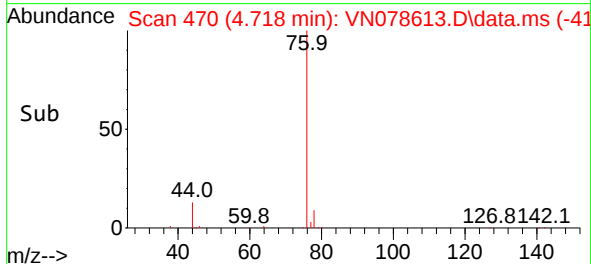
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MSD



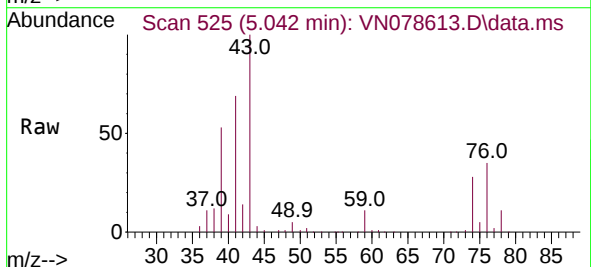
Tgt Ion: 76 Resp: 545749
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0

Manual Integrations
APPROVED

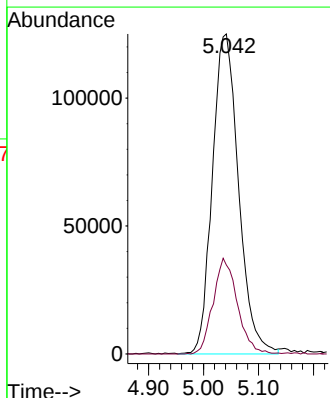
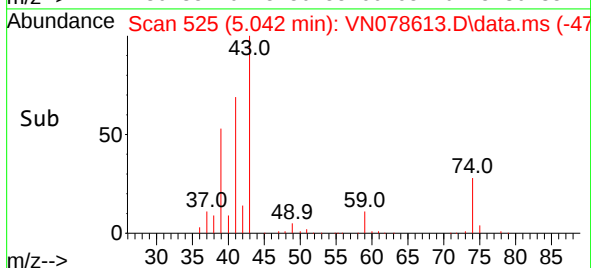
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

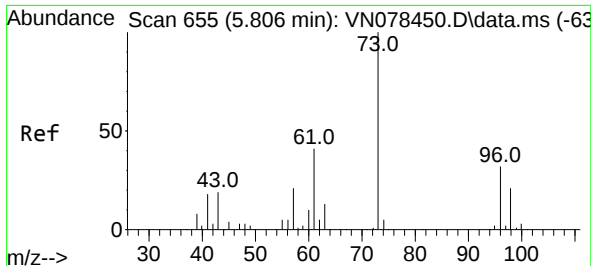


#18
Methyl Acetate
Concen: 52.223 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59



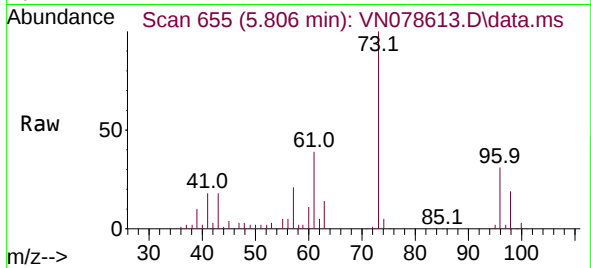
Tgt Ion: 43 Resp: 414289
Ion Ratio Lower Upper
43 100
74 27.6 26.2 39.4





#19
Methyl tert-butyl Ether
Concen: 54.339 ug/l
RT: 5.806 min Scan# 613
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

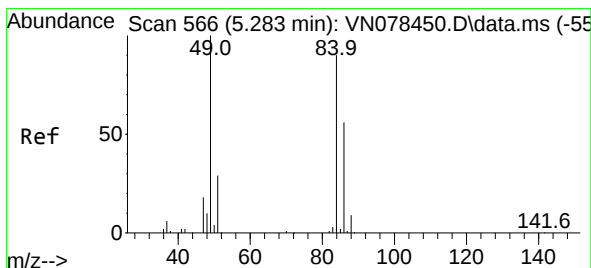
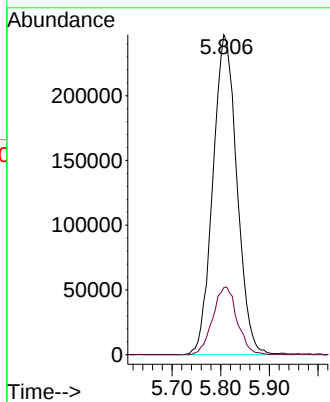
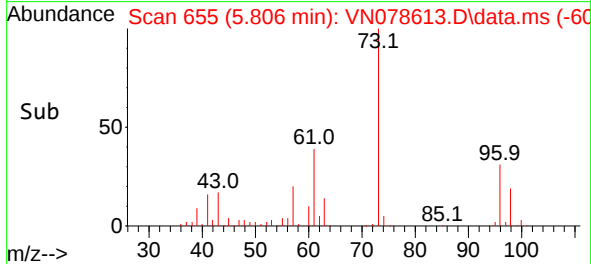
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MSD



Tgt Ion: 73 Resp: 847778
Ion Ratio Lower Upper
73 100
57 21.0 15.6 23.4

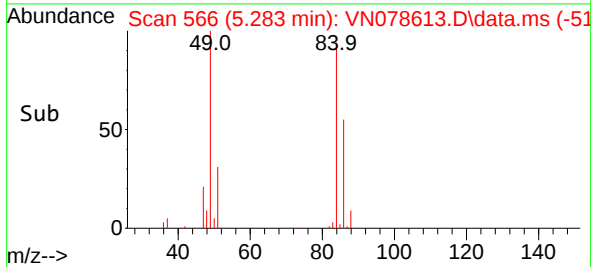
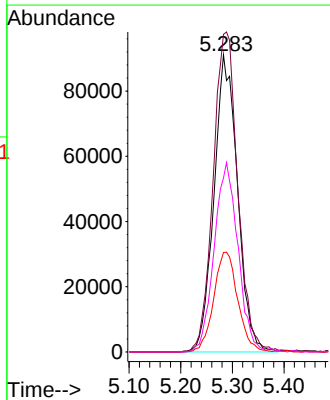
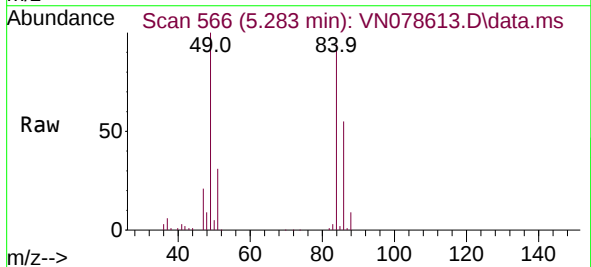
Manual Integrations
APPROVED

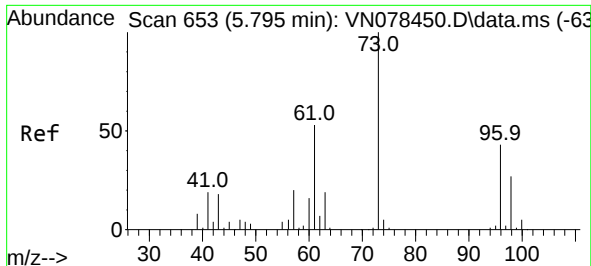
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#20
Methylene Chloride
Concen: 53.680 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

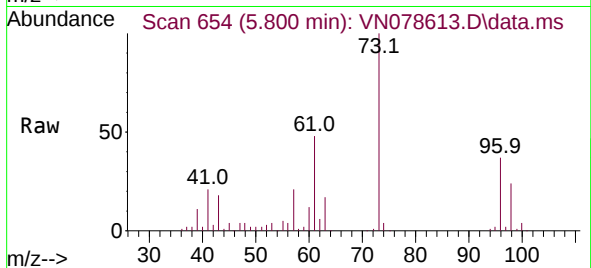
Tgt Ion: 84 Resp: 288069
Ion Ratio Lower Upper
84 100
49 106.9 79.7 119.5
51 33.5 25.2 37.8
86 58.6 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 49.263 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.005 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

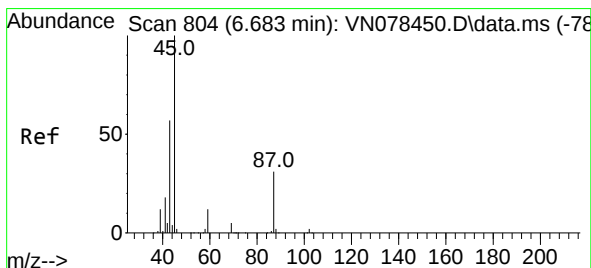
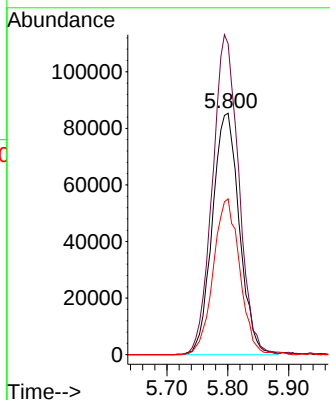
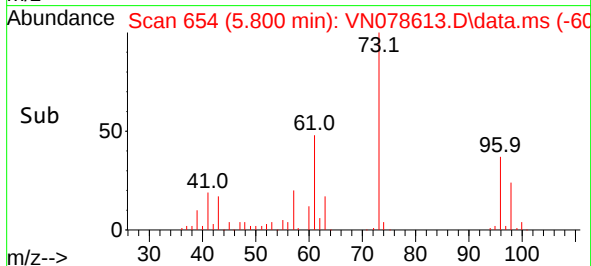
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MSD



Tgt Ion: 96 Resp: 262870
Ion Ratio Lower Upper
96 100
61 128.4 90.1 135.1
98 64.5 46.4 69.6

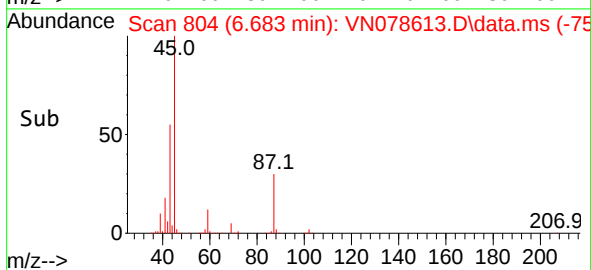
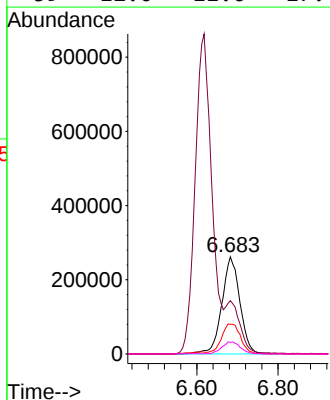
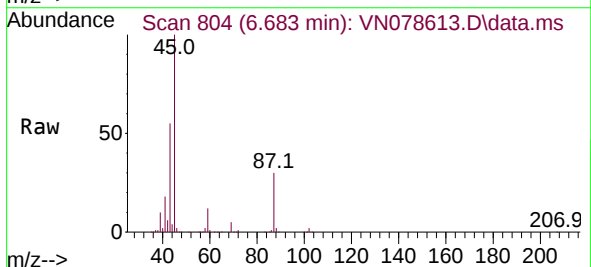
Manual Integrations
APPROVED

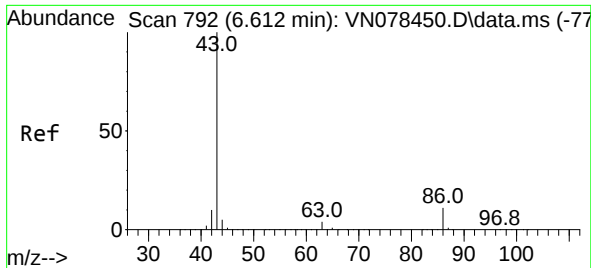
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#22
Diisopropyl ether
Concen: 55.892 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

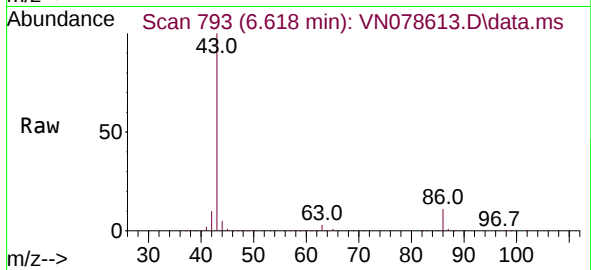
Tgt Ion: 45 Resp: 809772
Ion Ratio Lower Upper
45 100
43 54.1 45.5 68.3
87 30.3 31.8 47.8#
59 12.0 11.6 17.4





#23
 Vinyl Acetate
 Concen: 267.144 ug/l
 RT: 6.618 min Scan# 792
 Delta R.T. 0.006 min
 Lab File: VN078613.D
 Acq: 21 Jul 2023 14:59

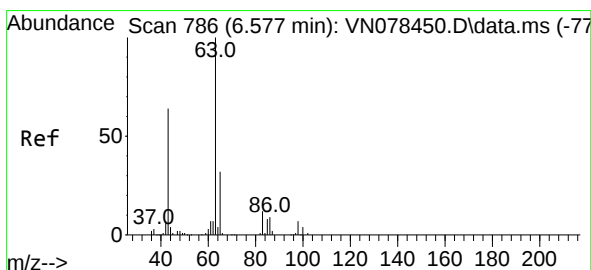
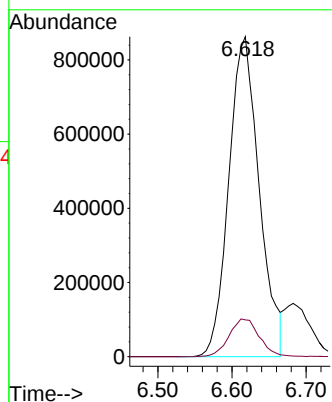
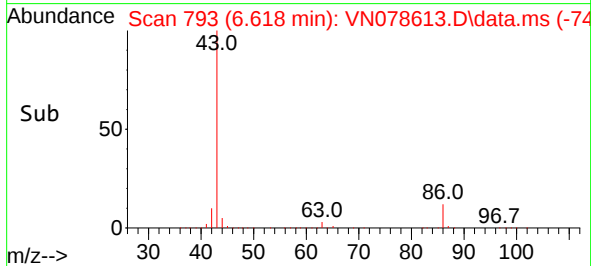
Instrument :
 MSVOA_N
 ClientSampleId :
 GWBR-04-400-415-072023MSD



Tgt Ion: 43 Resp: 246057
 Ion Ratio Lower Upper
 43 100
 86 11.5 13.0 19.6

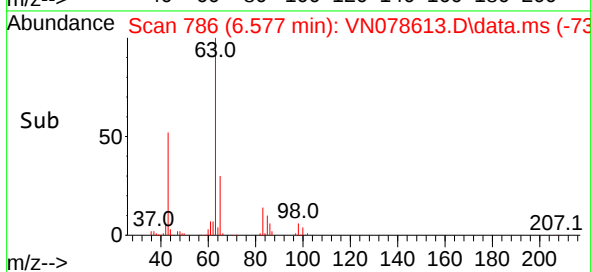
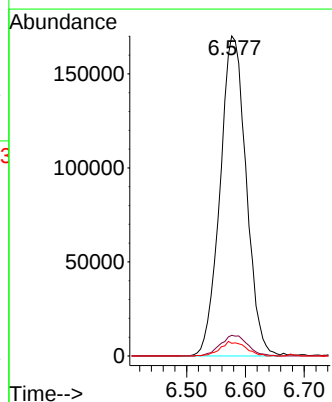
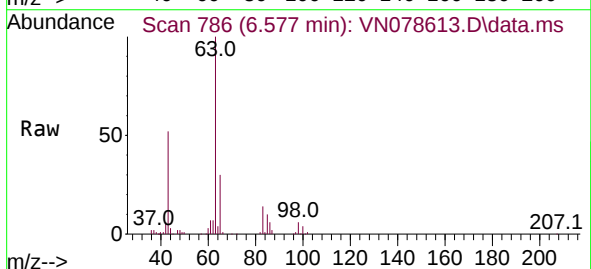
Manual Integrations
 APPROVED

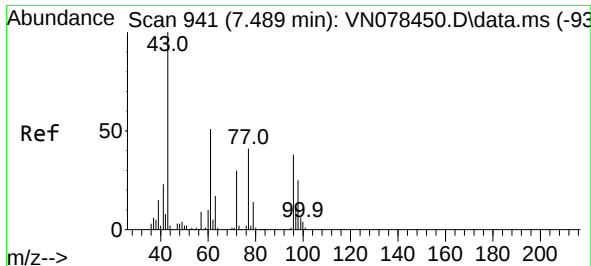
Reviewed By :John Carlone 07/24/2023
 Supervised By :Mahesh Dadoda 07/24/2023



#24
 1,1-Dichloroethane
 Concen: 53.829 ug/l
 RT: 6.577 min Scan# 786
 Delta R.T. -0.000 min
 Lab File: VN078613.D
 Acq: 21 Jul 2023 14:59

Tgt Ion: 63 Resp: 525507
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.9 11.7
 100 3.9 2.5 7.4





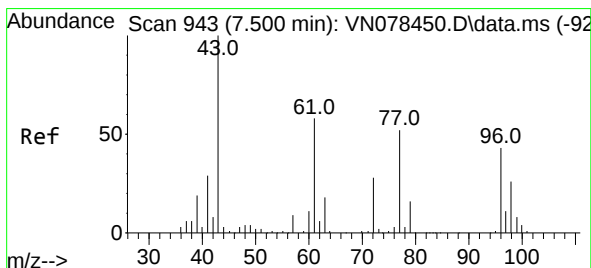
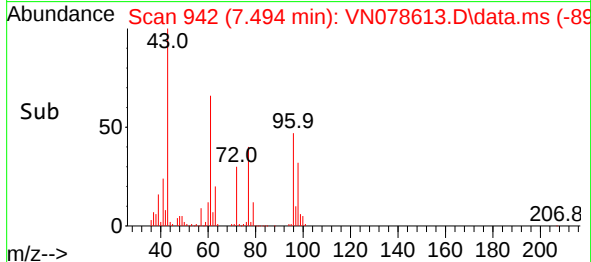
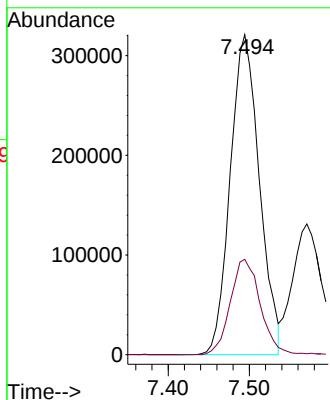
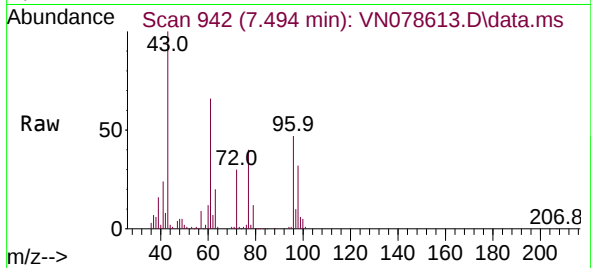
#25
2-Butanone
Concen: 271.753 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.005 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

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

Tgt Ion: 43 Resp: 80165
Ion Ratio Lower Upper
43 100
72 29.8 30.2 45.2

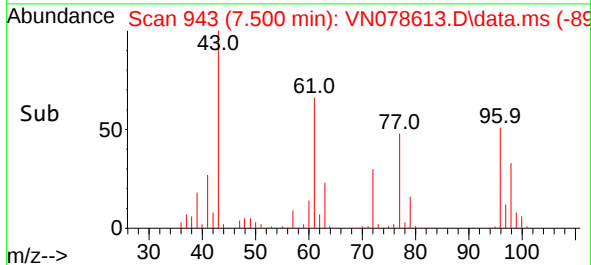
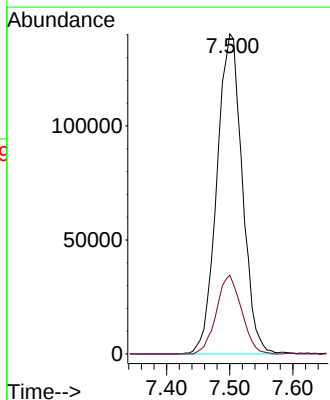
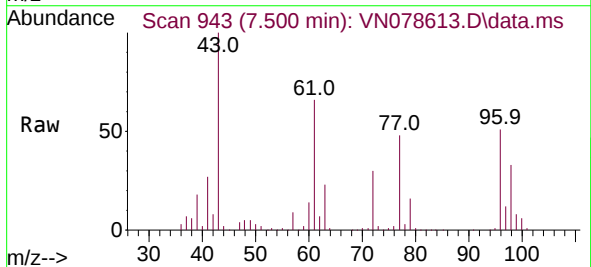
Manual Integrations
APPROVED

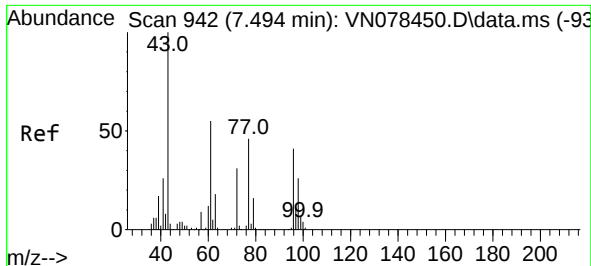
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#26
2,2-Dichloropropane
Concen: 49.114 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

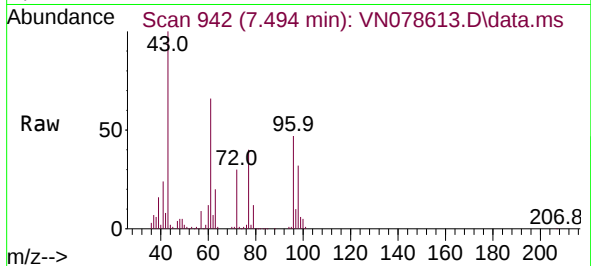
Tgt Ion: 77 Resp: 392166
Ion Ratio Lower Upper
77 100
97 24.4 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 65.060 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. 0.000 min
 Lab File: VN078613.D
 Acq: 21 Jul 2023 14:59

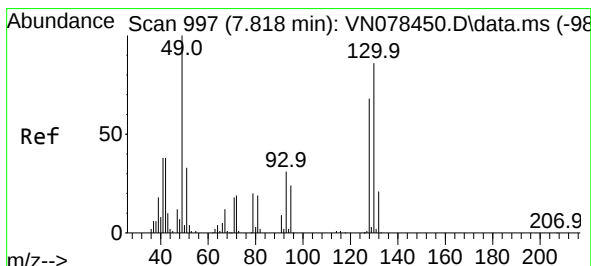
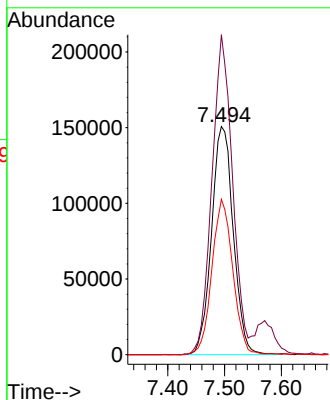
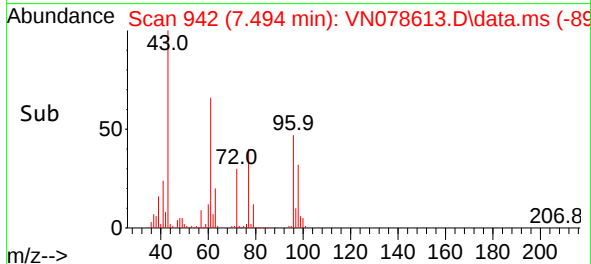
Instrument :
 MSVOA_N
 ClientSampleId :
 GWBR-04-400-415-072023MSD



Tgt Ion: 96 Resp: 401609
 Ion Ratio Lower Upper
 96 100
 61 133.5 0.0 255.2
 98 65.4 0.0 128.8

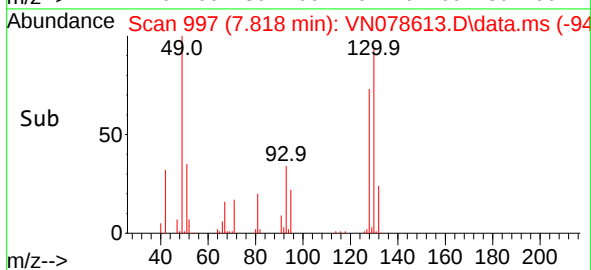
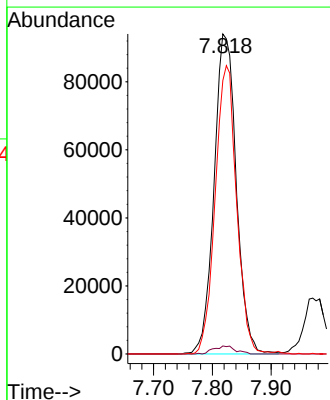
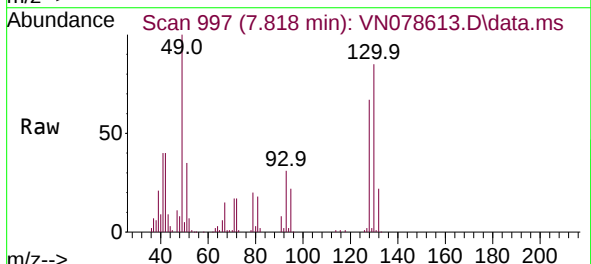
Manual Integrations
 APPROVED

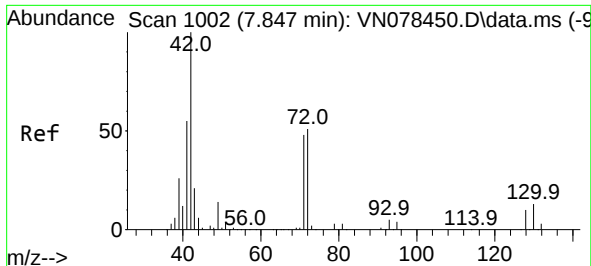
Reviewed By :John Carlone 07/24/2023
 Supervised By :Mahesh Dadoda 07/24/2023



#28
 Bromochloromethane
 Concen: 53.723 ug/l
 RT: 7.818 min Scan# 997
 Delta R.T. -0.000 min
 Lab File: VN078613.D
 Acq: 21 Jul 2023 14:59

Tgt Ion: 49 Resp: 247031
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.8
 130 86.7 75.3 112.9





#29

Tetrahydrofuran

Concen: 274.649 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VN078613.D

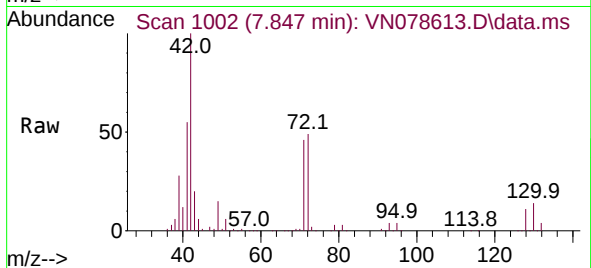
Acq: 21 Jul 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MSD



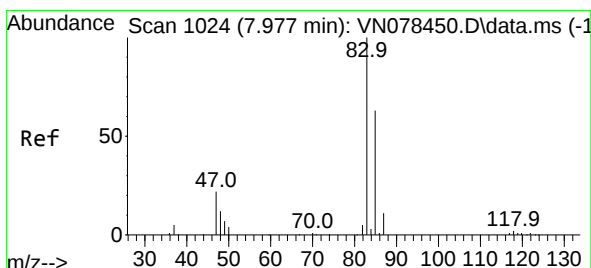
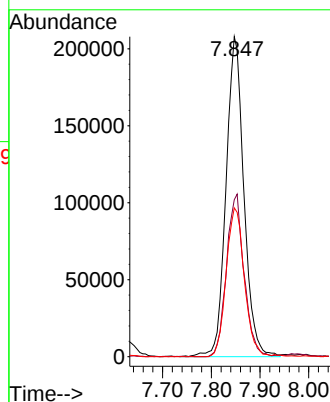
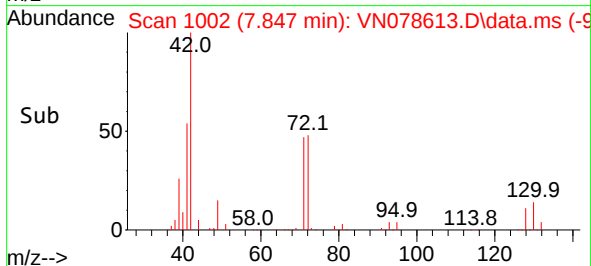
Tgt Ion:	42	Resp:	53162
Ion	Ratio	Lower	Upper
42	100		
72	49.9	49.8	74.6
71	47.3	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#30

Chloroform

Concen: 54.469 ug/l

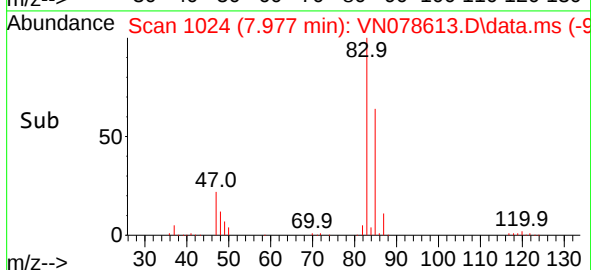
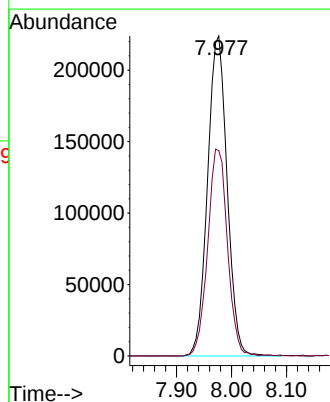
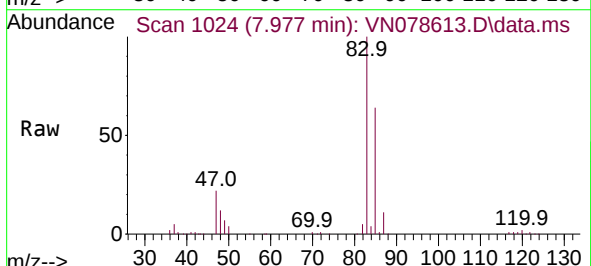
RT: 7.977 min Scan# 1024

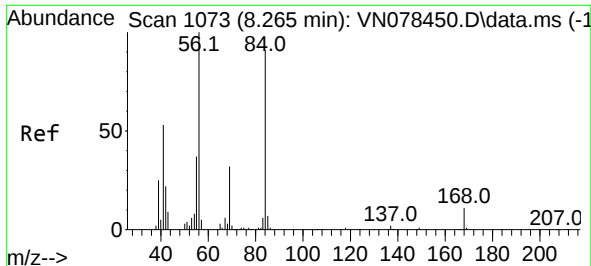
Delta R.T. -0.000 min

Lab File: VN078613.D

Acq: 21 Jul 2023 14:59

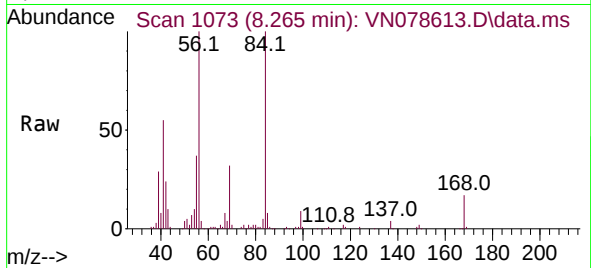
Tgt Ion:	83	Resp:	553616
Ion	Ratio	Lower	Upper
83	100		
85	64.1	55.4	83.0





#31
Cyclohexane
Concen: 40.955 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

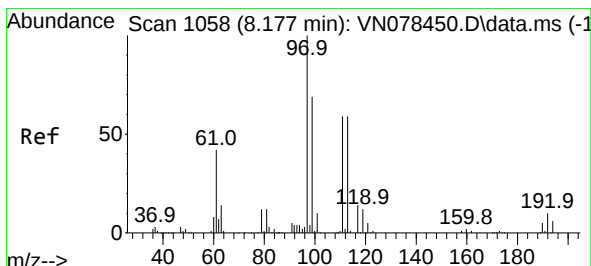
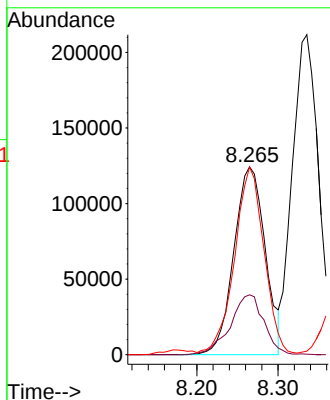
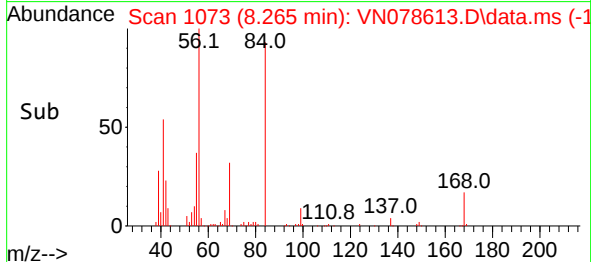
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MSD



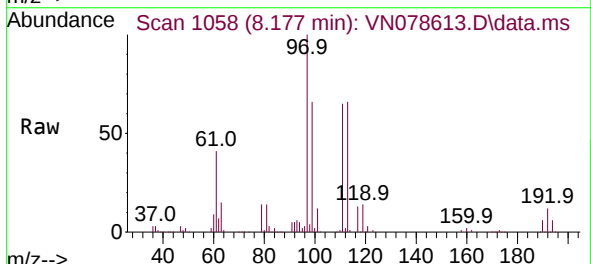
Tgt Ion: 56 Resp: 33298
Ion Ratio Lower Upper
56 100
69 31.9 26.8 40.2
84 97.5 81.8 122.6

Manual Integrations
APPROVED

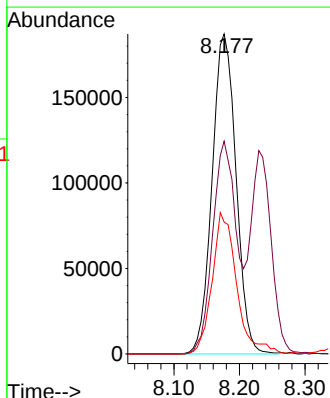
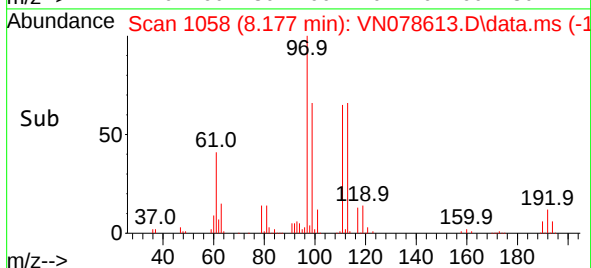
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

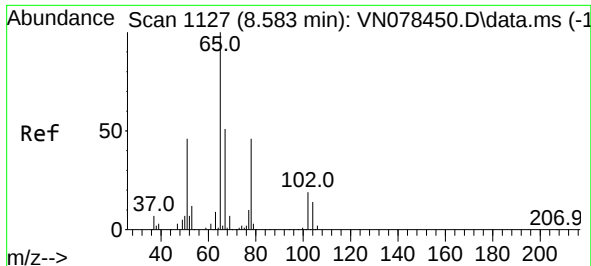


#32
1,1,1-Trichloroethane
Concen: 52.107 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59



Tgt Ion: 97 Resp: 474834
Ion Ratio Lower Upper
97 100
99 65.9 50.3 75.5
61 45.2 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 53.737 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078613.D

Acq: 21 Jul 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MSD

Tgt Ion: 65 Resp: 32328

Ion Ratio Lower Upper

65 100

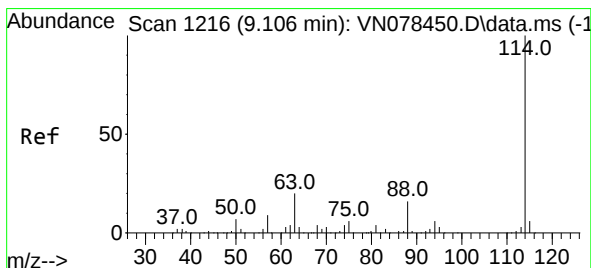
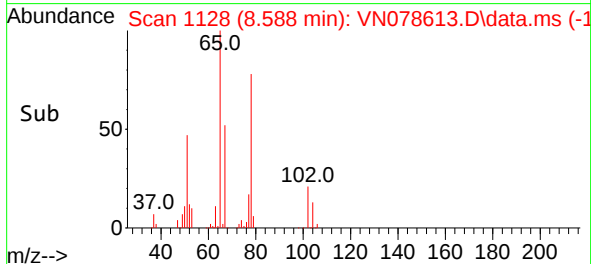
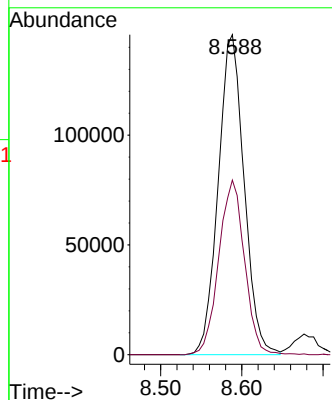
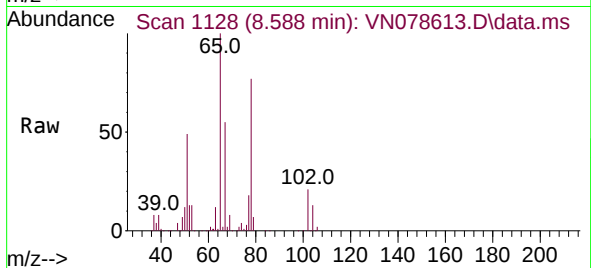
67 54.3 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078613.D

Acq: 21 Jul 2023 14:59

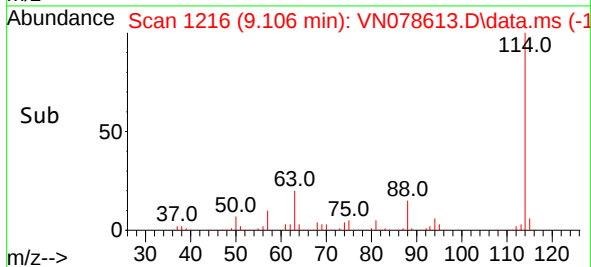
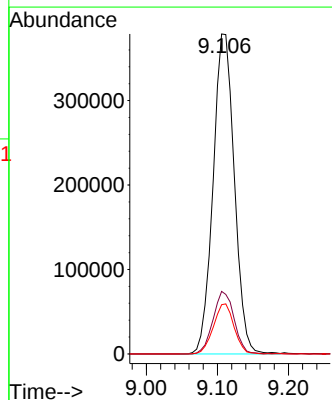
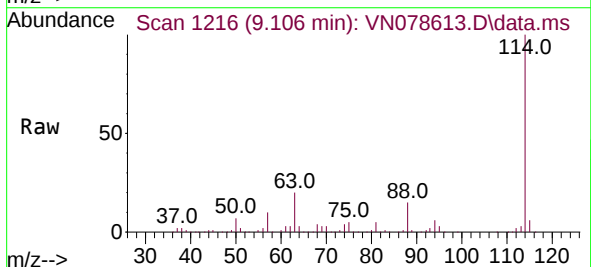
Tgt Ion:114 Resp: 787484

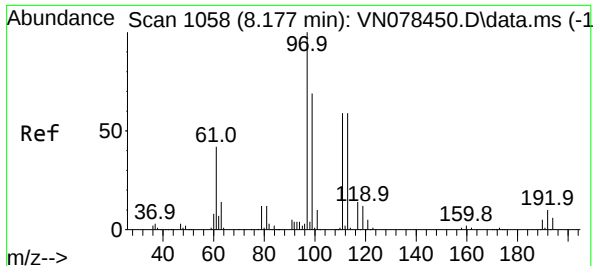
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.590 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078613.D

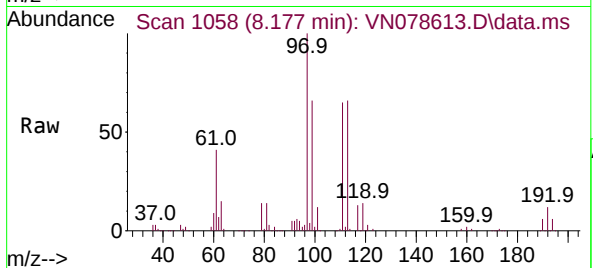
Acq: 21 Jul 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MSD



Tgt Ion: 113 Resp: 286470

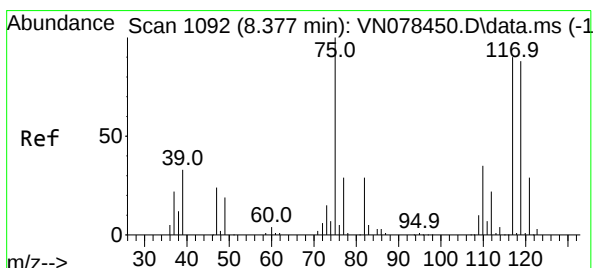
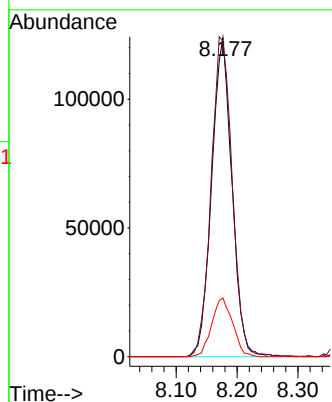
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.6	123.8
192	19.0	12.7	19.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#36

1,1-Dichloropropene

Concen: 47.589 ug/l

RT: 8.377 min Scan# 1092

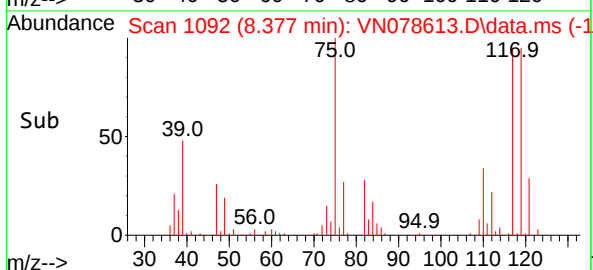
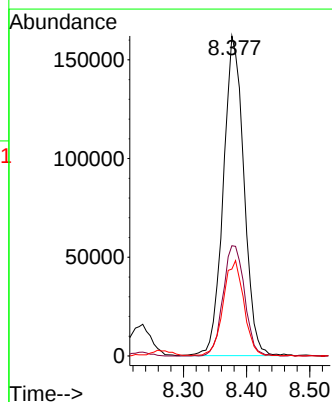
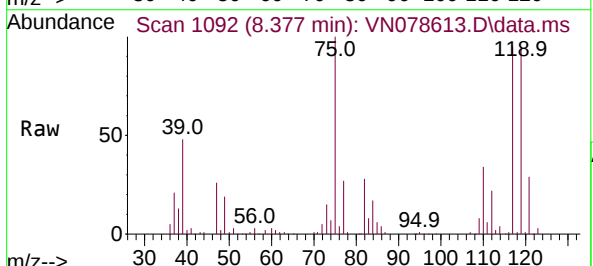
Delta R.T. -0.000 min

Lab File: VN078613.D

Acq: 21 Jul 2023 14:59

Tgt Ion: 75 Resp: 367323

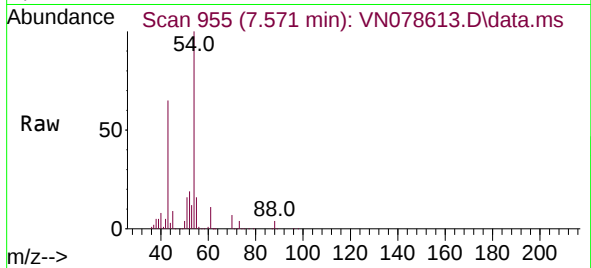
Ion	Ratio	Lower	Upper
75	100		
110	36.0	19.1	57.3
77	29.9	25.0	37.4





#37
Ethyl Acetate
Concen: 52.336 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

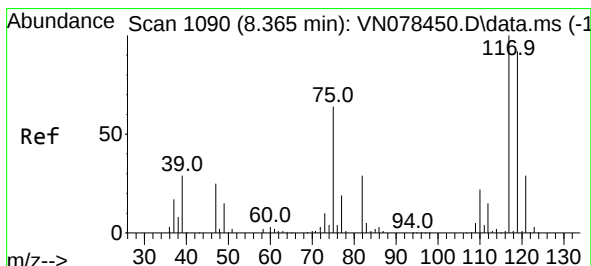
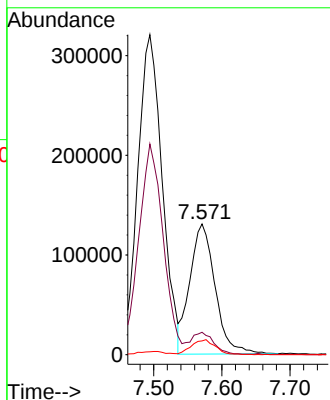
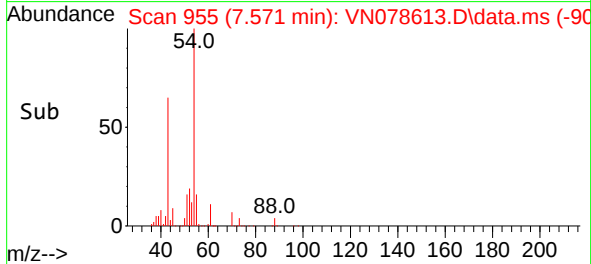
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MSD



Tgt Ion: 43 Resp: 336754
Ion Ratio Lower Upper
43 100
61 14.5 13.2 19.8
70 10.9 11.3 16.9

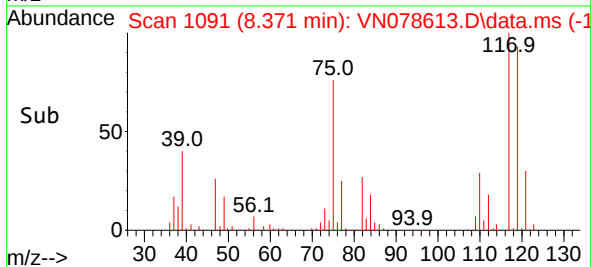
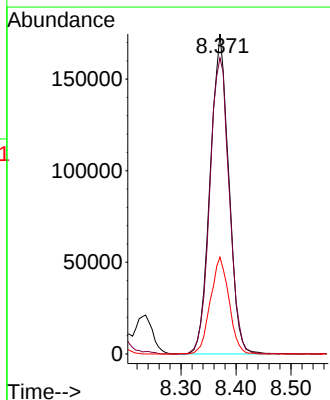
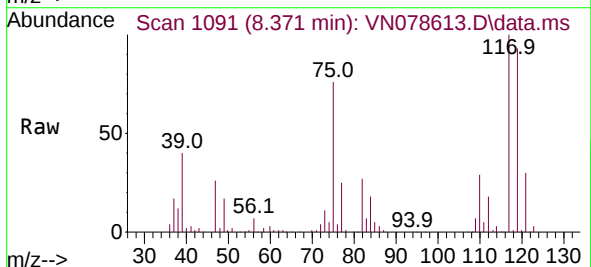
Manual Integrations
APPROVED

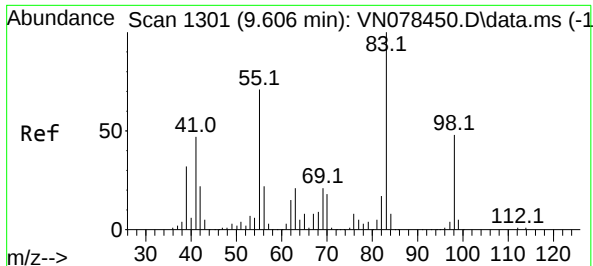
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#38
Carbon Tetrachloride
Concen: 48.916 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

Tgt Ion:117 Resp: 410360
Ion Ratio Lower Upper
117 100
119 92.5 77.3 115.9
121 30.3 23.3 34.9





#39

Methylcyclohexane

Concen: 43.064 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN078613.D

Acq: 21 Jul 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MSD

Tgt Ion: 83 Resp: 30341

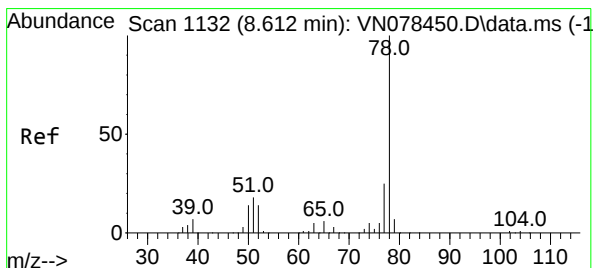
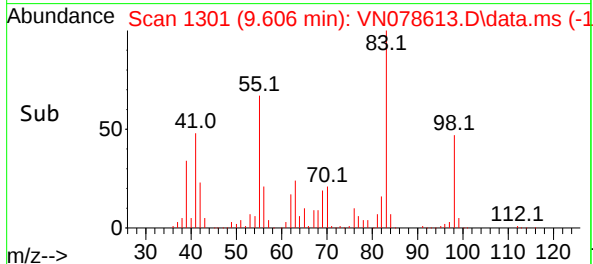
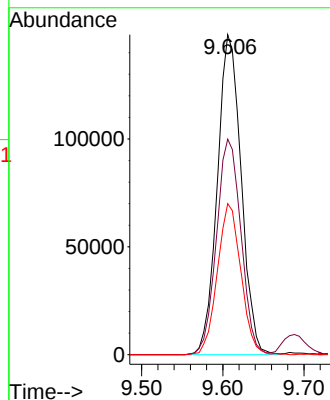
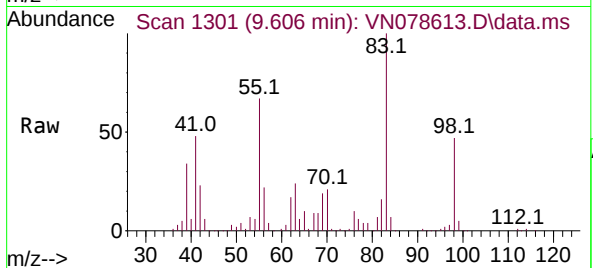
Ion	Ratio	Lower	Upper
83	100		
55	67.2	49.1	73.7
98	47.2	40.6	61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#40

Benzene

Concen: 51.353 ug/l

RT: 8.612 min Scan# 1132

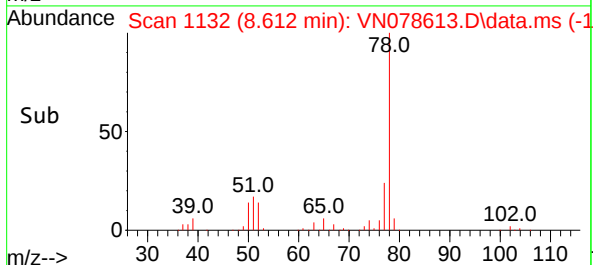
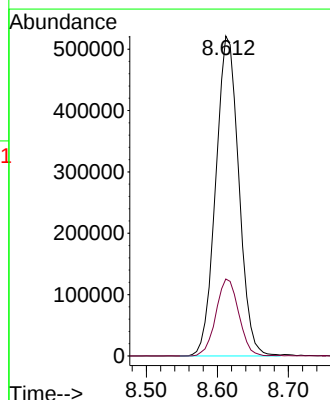
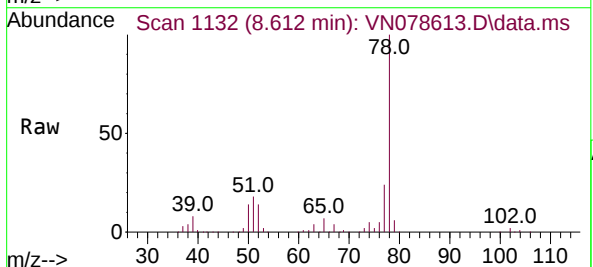
Delta R.T. -0.000 min

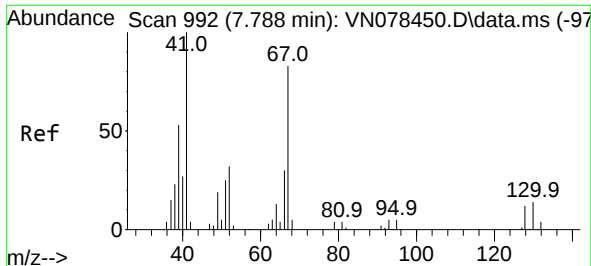
Lab File: VN078613.D

Acq: 21 Jul 2023 14:59

Tgt Ion: 78 Resp: 1174299

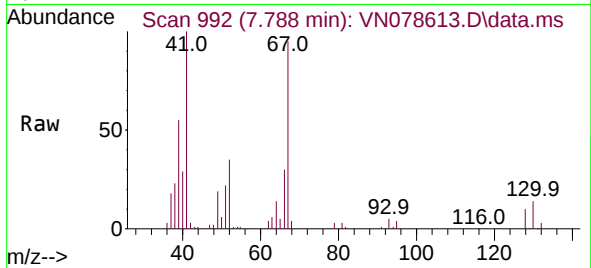
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





#41
Methacrylonitrile
Concen: 52.387 ug/l
RT: 7.788 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

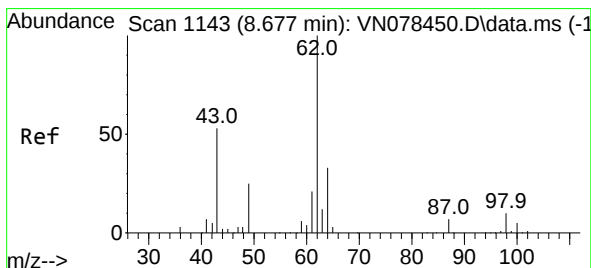
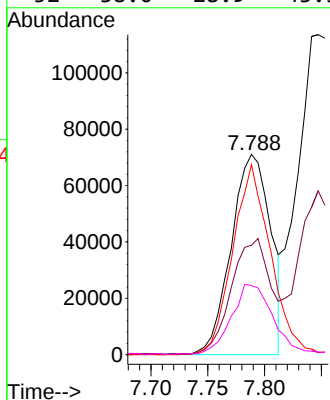
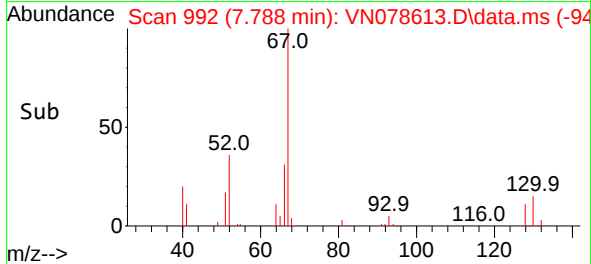
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MSD



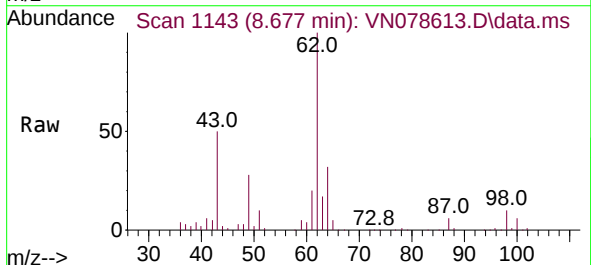
Tgt Ion: 41 Resp: 171840
Ion Ratio Lower Upper
41 100
39 57.5 42.6 64.0
67 91.4 77.5 116.3
52 38.0 28.9 43.3

Manual Integrations
APPROVED

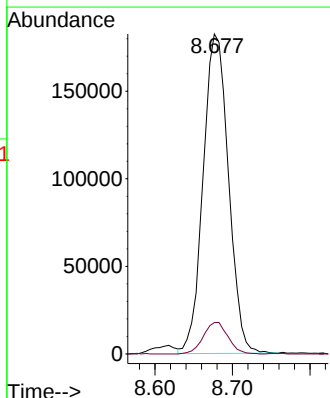
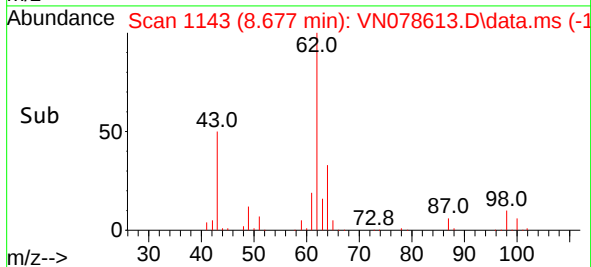
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

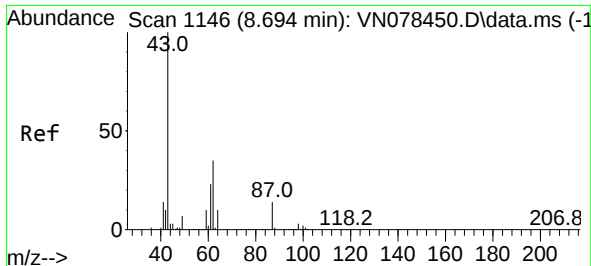


#42
1,2-Dichloroethane
Concen: 53.363 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59



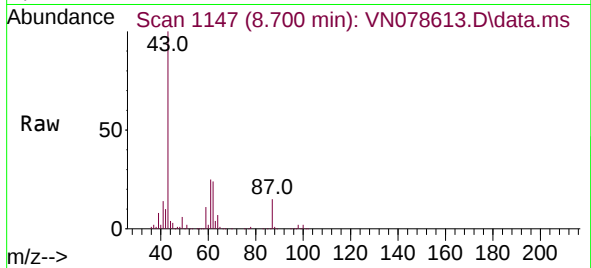
Tgt Ion: 62 Resp: 415059
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.8





#43
Isopropyl Acetate
Concen: 54.557 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

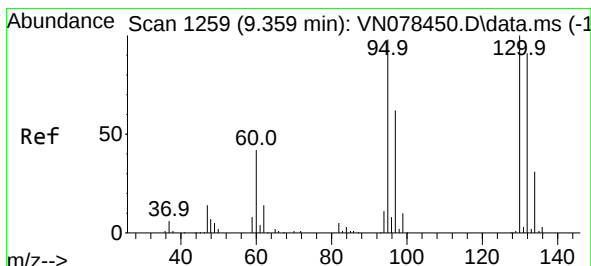
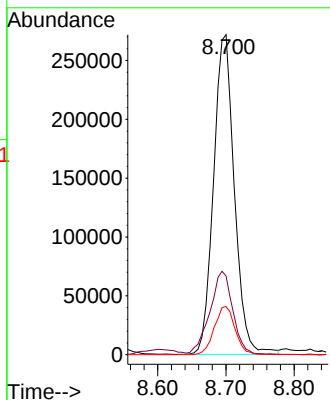
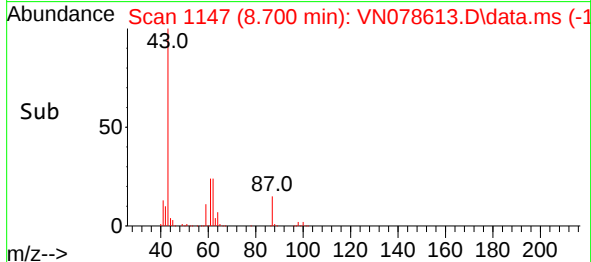
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MSD



Tgt Ion: 43 Resp: 57794
Ion Ratio Lower Upper
43 100
61 28.6 24.7 37.1
87 15.1 14.6 21.8

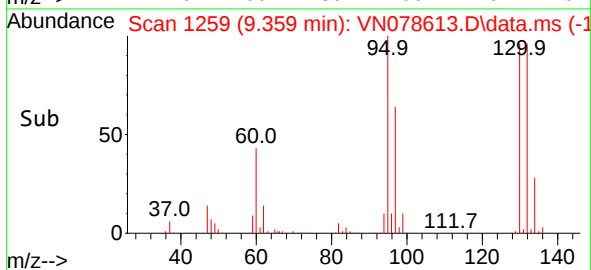
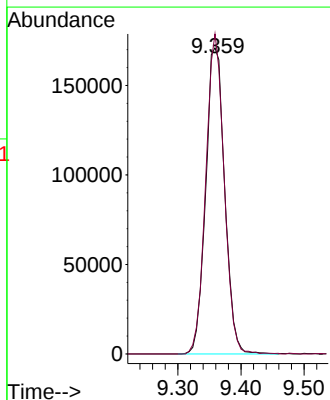
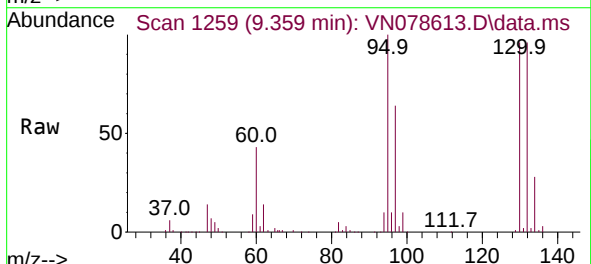
Manual Integrations
APPROVED

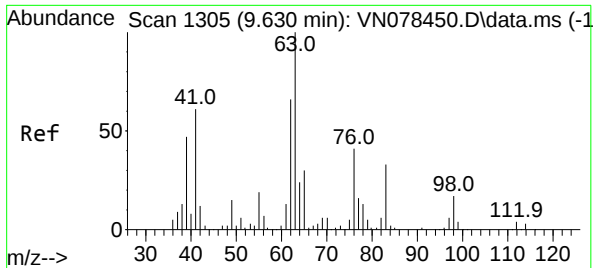
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#44
Trichloroethene
Concen: 58.015 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

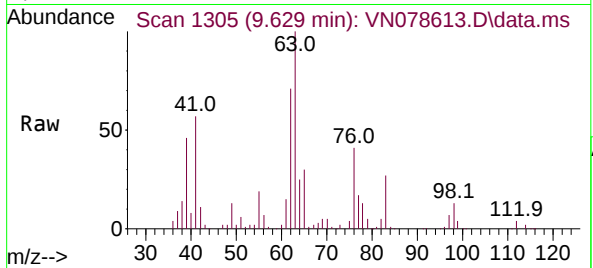
Tgt Ion:130 Resp: 357558
Ion Ratio Lower Upper
130 100
95 104.5 0.0 204.6





#45
1,2-Dichloropropane
Concen: 53.153 ug/l
RT: 9.629 min Scan# 1319
Delta R.T. -0.001 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

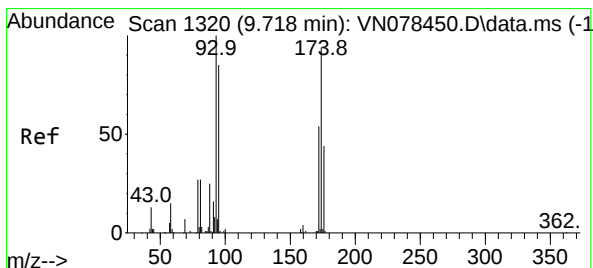
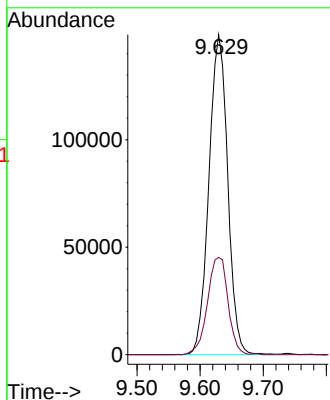
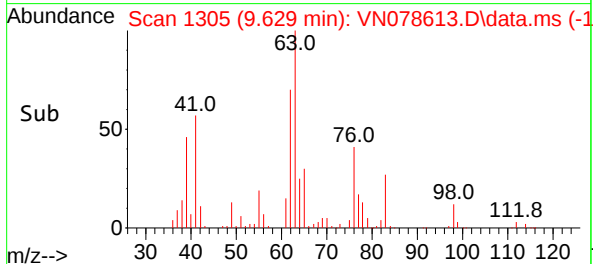
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MSD



Tgt Ion: 63 Resp: 30784
Ion Ratio Lower Upper
63 100
65 30.4 23.9 35.9

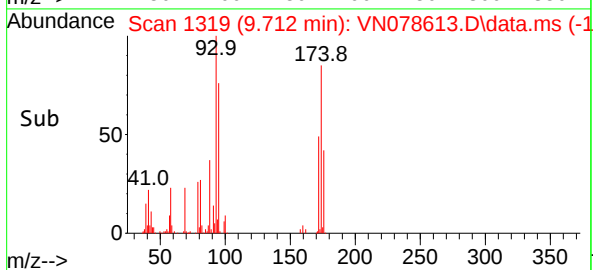
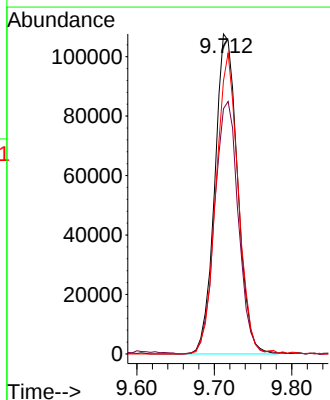
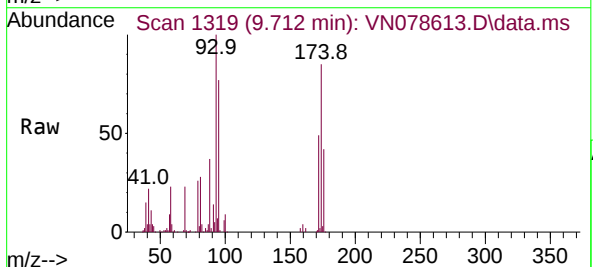
Manual Integrations
APPROVED

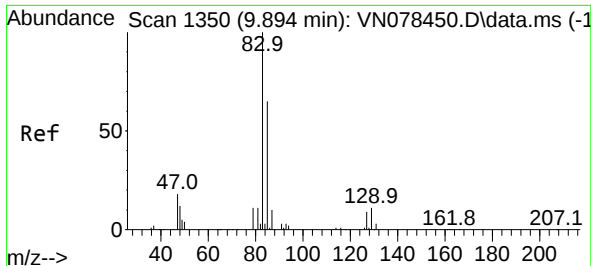
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#46
Dibromomethane
Concen: 53.992 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

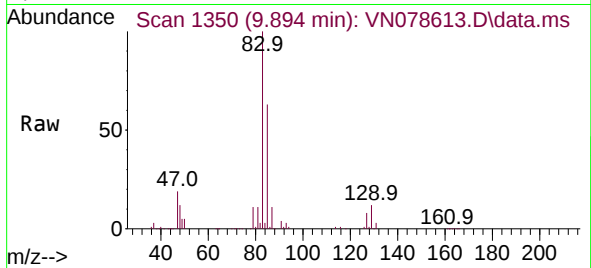
Tgt Ion: 93 Resp: 220089
Ion Ratio Lower Upper
93 100
95 82.1 63.8 95.8
174 92.3 65.6 98.4





#47
Bromodichloromethane
Concen: 53.638 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

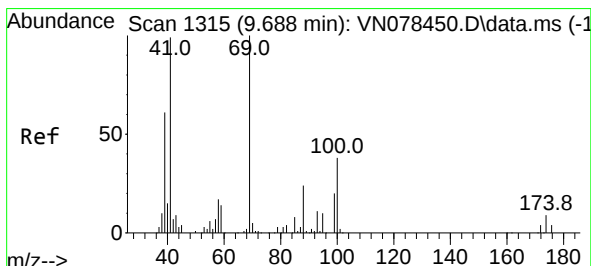
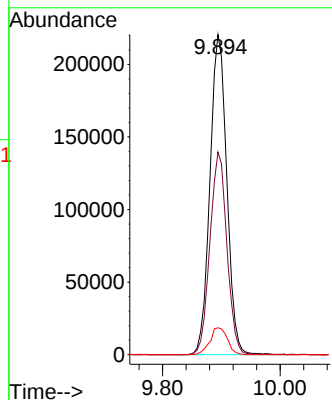
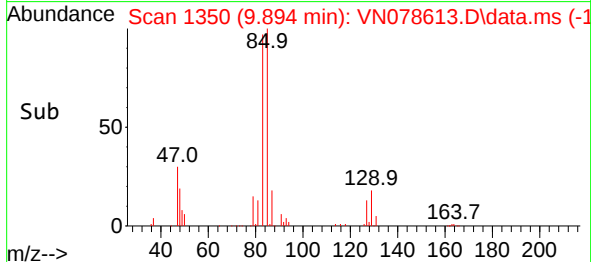
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MSD



Tgt Ion: 83 Resp: 438292
Ion Ratio Lower Upper
83 100
85 63.3 49.6 74.4
127 8.4 7.0 10.6

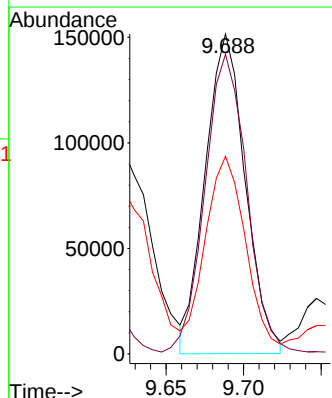
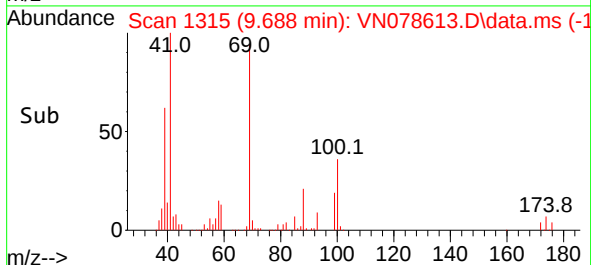
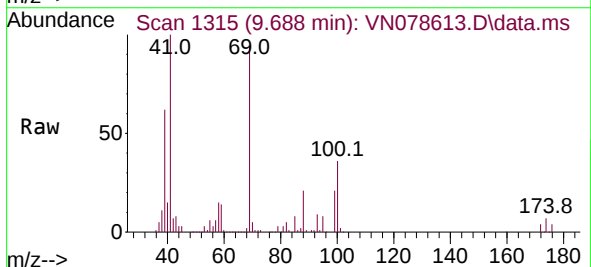
Manual Integrations
APPROVED

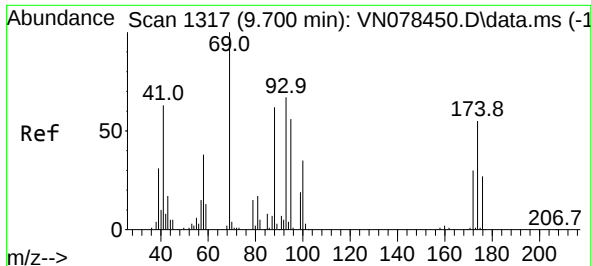
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#48
Methyl methacrylate
Concen: 55.470 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

Tgt Ion: 41 Resp: 272241
Ion Ratio Lower Upper
41 100
69 98.8 90.4 135.6
39 63.1 54.6 81.8





#49

1,4-Dioxane

Concen: 1022.302 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VN078613.D

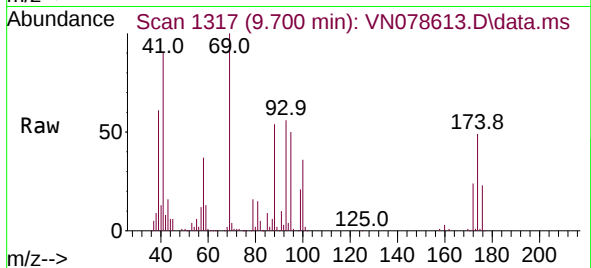
Acq: 21 Jul 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MSD



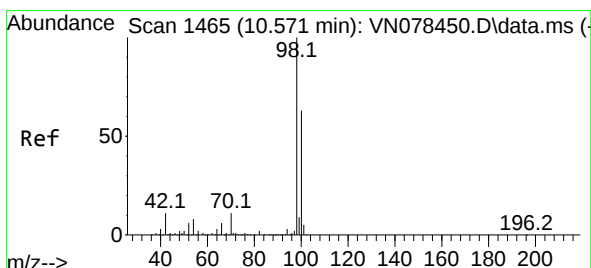
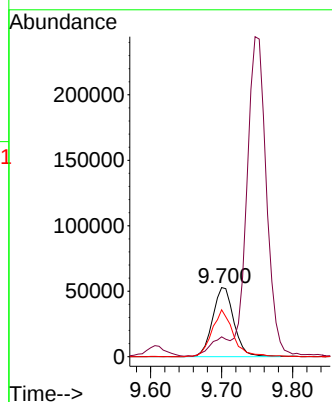
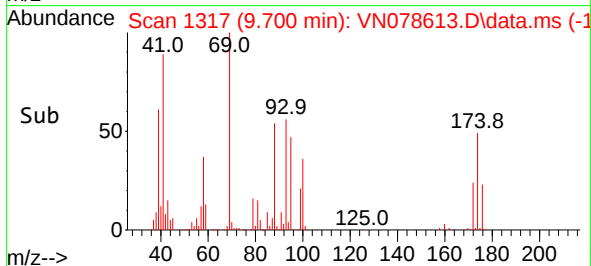
Tgt Ion:	88	Resp:	109418
Ion Ratio	Lower	Upper	
88	100		
43	25.2	17.0	25.6
58	68.5	47.0	70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#50

Toluene-d8

Concen: 50.547 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078613.D

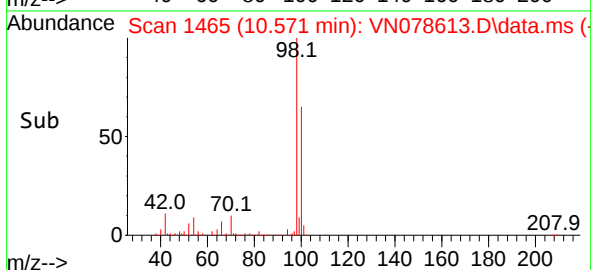
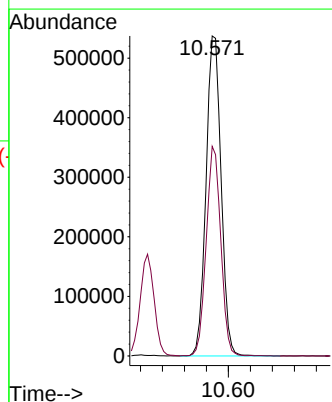
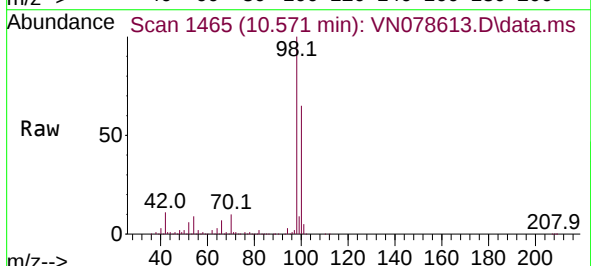
Acq: 21 Jul 2023 14:59

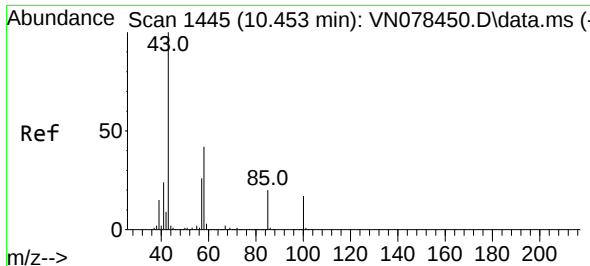
Tgt Ion: 98 Resp: 1020775

Ion Ratio Lower Upper

98 100

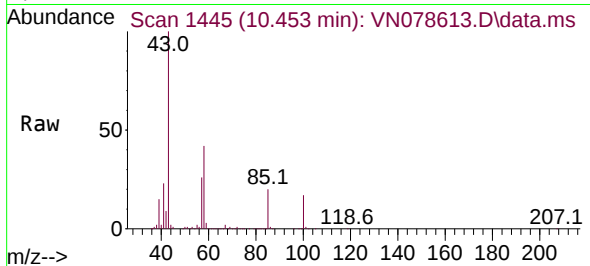
100 63.4 52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 284.488 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

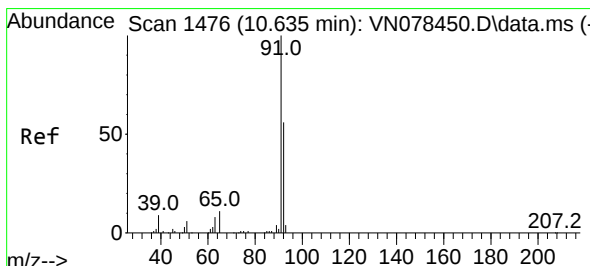
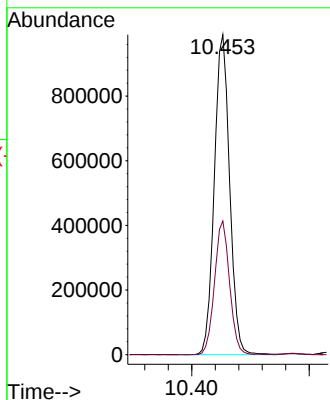
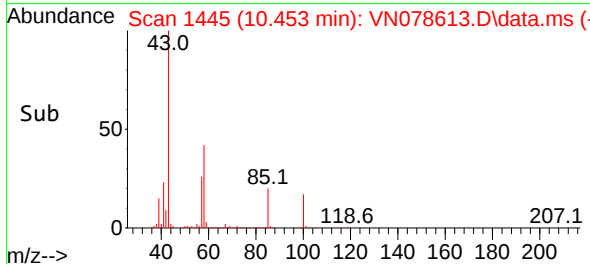
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MSD



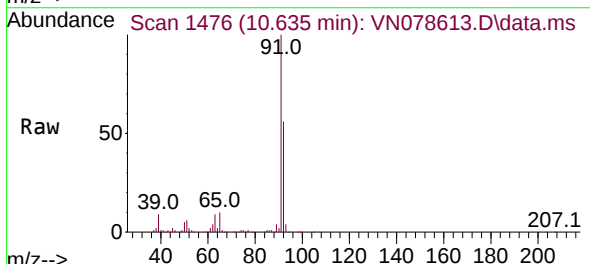
Tgt Ion: 43 Resp: 1792594
Ion Ratio Lower Upper
43 100
58 41.1 36.6 54.8

Manual Integrations
APPROVED

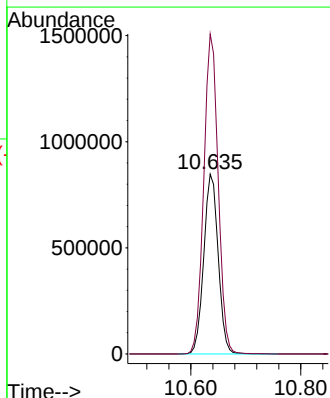
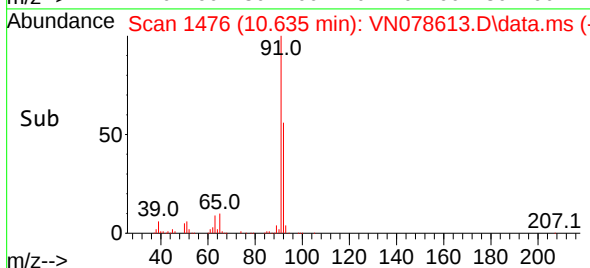
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

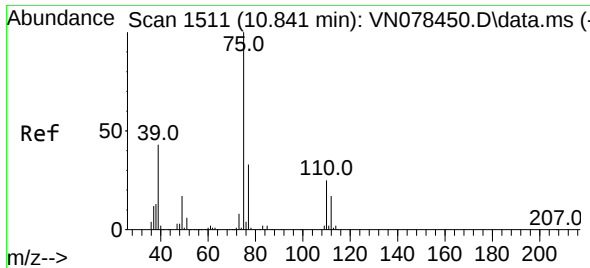


#52
Toluene
Concen: 108.773 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59



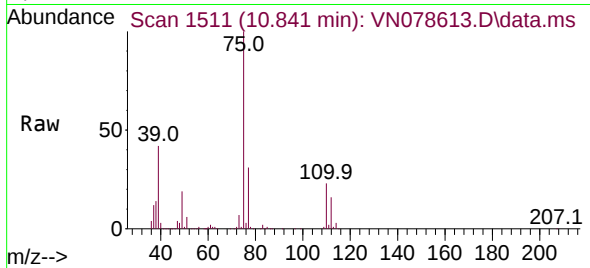
Tgt Ion: 92 Resp: 1541597
Ion Ratio Lower Upper
92 100
91 177.9 137.4 206.0





#53
 t-1,3-Dichloropropene
 Concen: 54.855 ug/l
 RT: 10.841 min Scan# 1511
 Delta R.T. 0.000 min
 Lab File: VN078613.D
 Acq: 21 Jul 2023 14:59

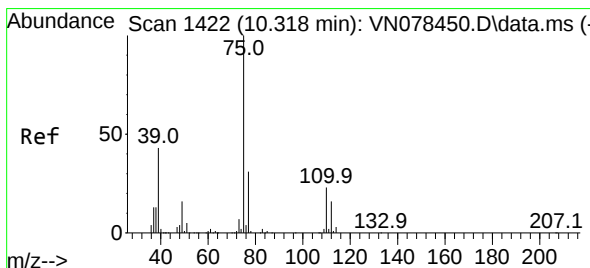
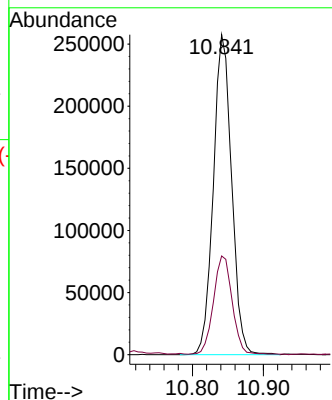
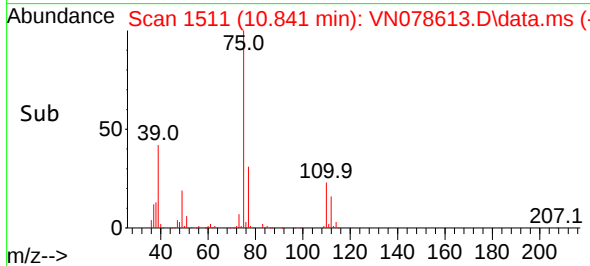
Instrument :
 MSVOA_N
 ClientSampleId :
 GWBR-04-400-415-072023MSD



Tgt Ion: 75 Resp: 45920
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.4 38.0

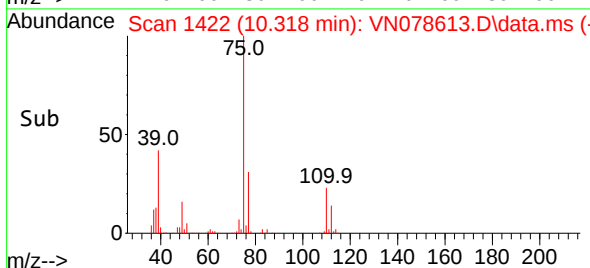
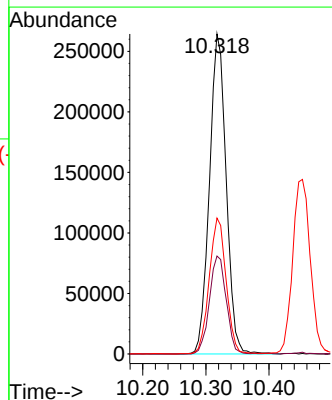
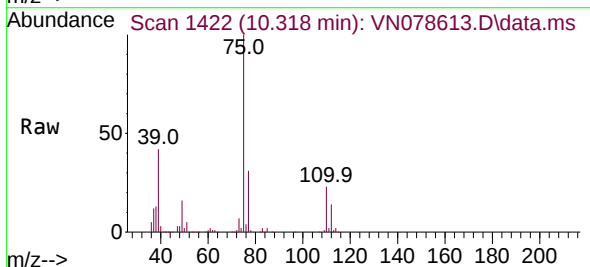
Manual Integrations
 APPROVED

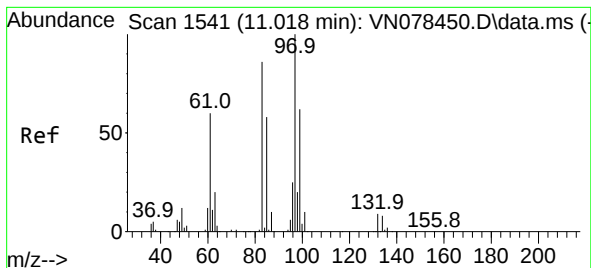
Reviewed By :John Carlone 07/24/2023
 Supervised By :Mahesh Dadoda 07/24/2023



#54
 cis-1,3-Dichloropropene
 Concen: 54.616 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN078613.D
 Acq: 21 Jul 2023 14:59

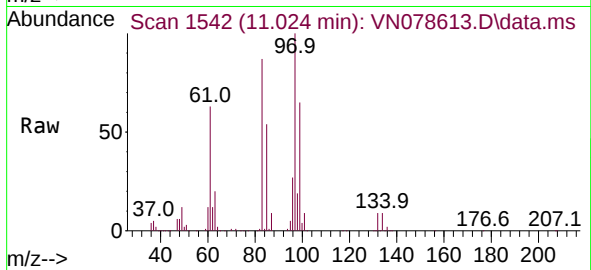
Tgt Ion: 75 Resp: 487353
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.1 39.1
 39 42.3 31.6 47.4





#55
1,1,2-Trichloroethane
Concen: 54.918 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. 0.005 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

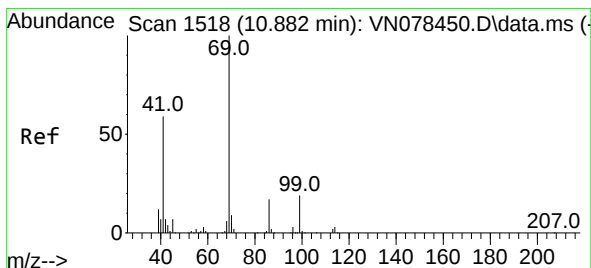
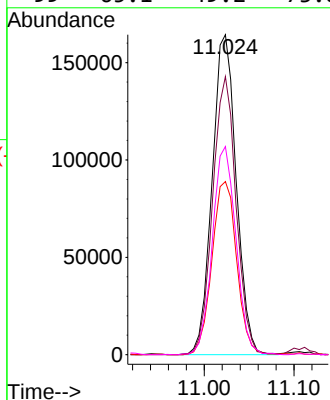
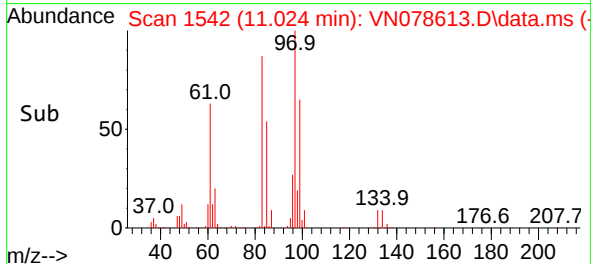
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MSD



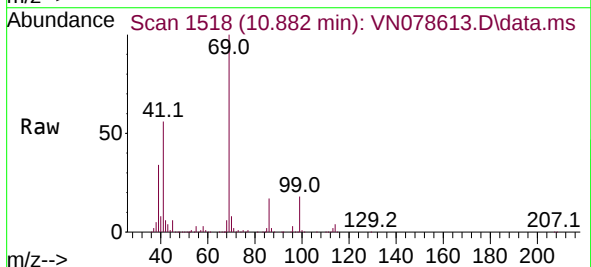
Tgt Ion: 97 Resp: 30665
Ion Ratio Lower Upper
97 100
83 86.9 65.1 97.7
85 54.1 43.4 65.2
99 65.1 49.2 73.8

Manual Integrations
APPROVED

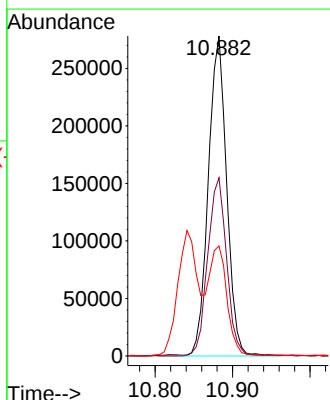
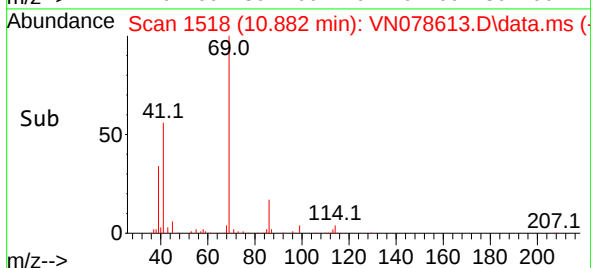
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

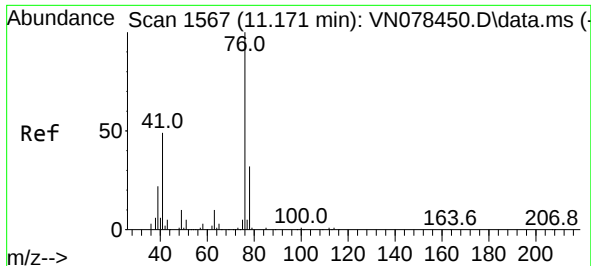


#56
Ethyl methacrylate
Concen: 58.532 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59



Tgt Ion: 69 Resp: 456883
Ion Ratio Lower Upper
69 100
41 56.7 39.6 59.4
39 32.1 28.6 43.0





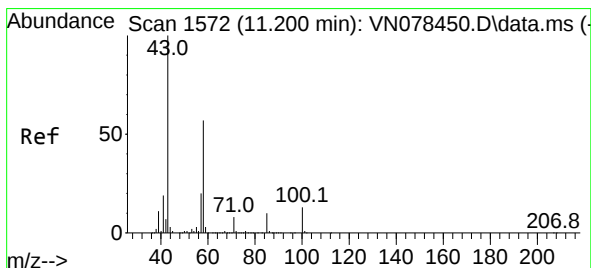
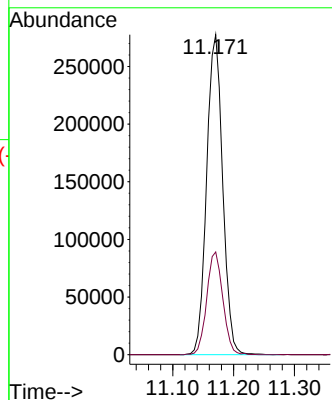
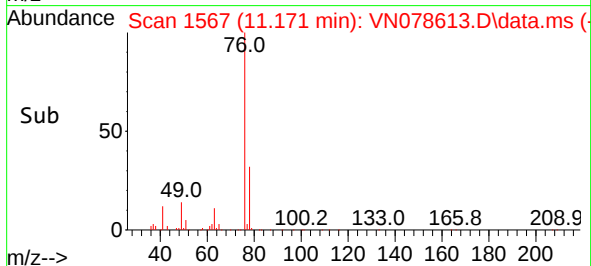
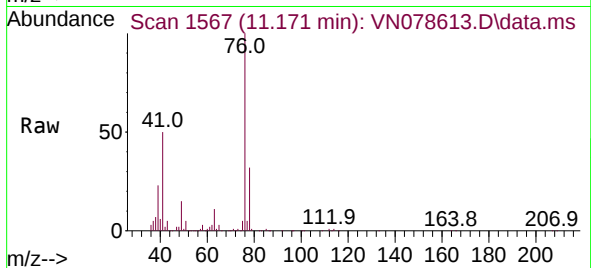
#57
1,3-Dichloropropane
Concen: 53.495 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

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

Tgt Ion: 76 Resp: 50790
Ion Ratio Lower Upper
76 100
78 32.2 26.1 39.1

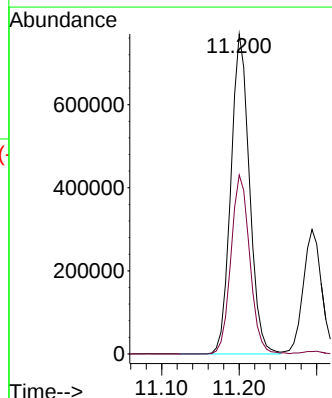
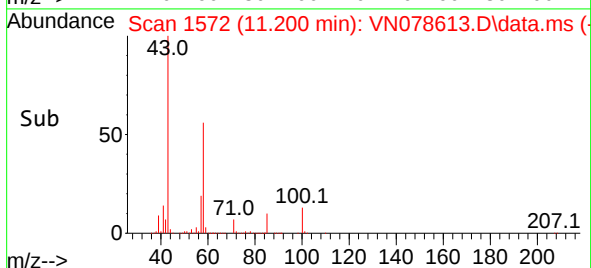
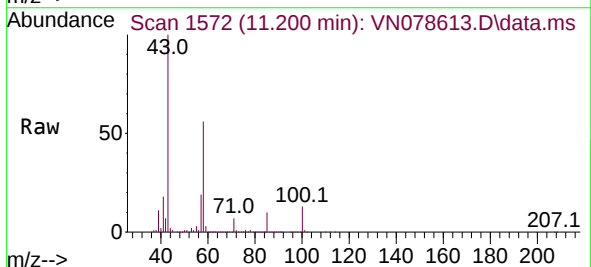
Manual Integrations
APPROVED

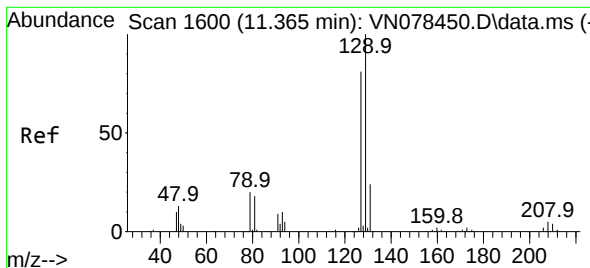
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#59
2-Hexanone
Concen: 286.681 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

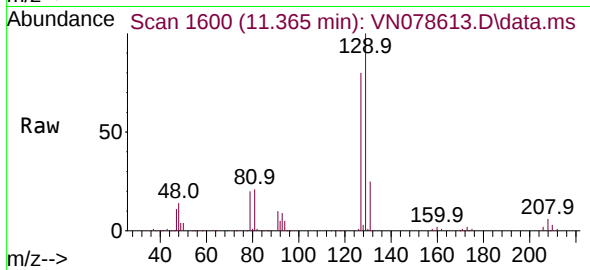
Tgt Ion: 43 Resp: 1283840
Ion Ratio Lower Upper
43 100
58 56.7 31.7 95.1





#60
Dibromochloromethane
Concen: 56.268 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

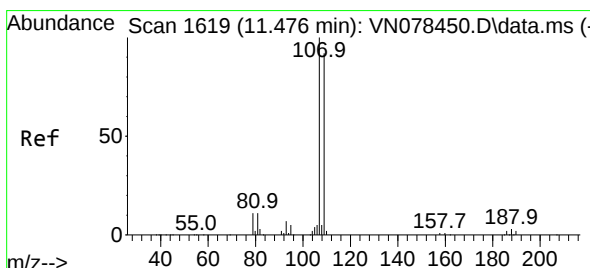
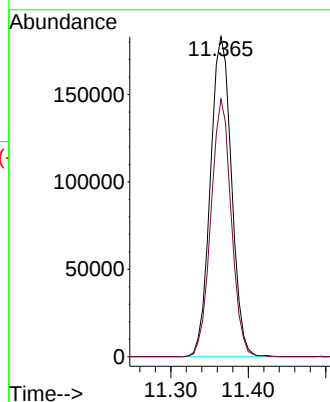
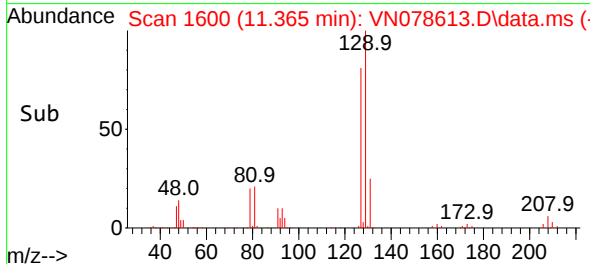
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MSD



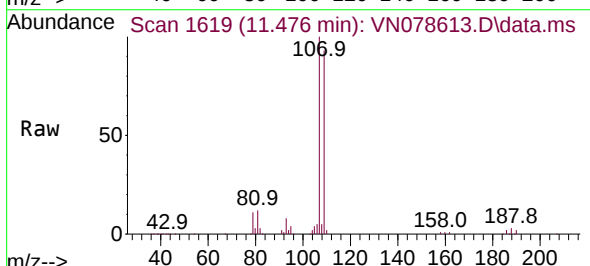
Tgt Ion:129 Resp: 346869
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0

Manual Integrations
APPROVED

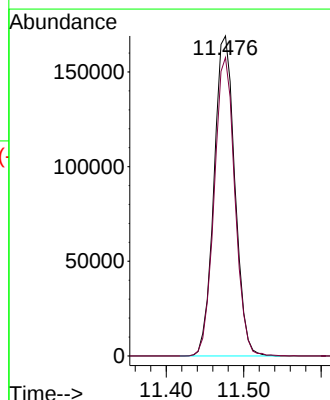
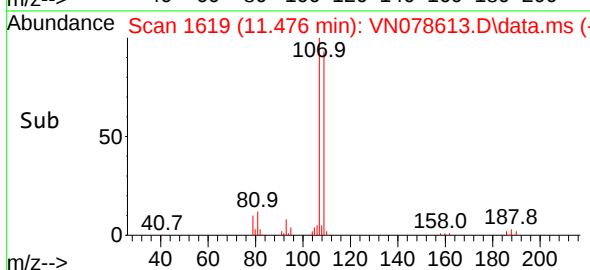
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

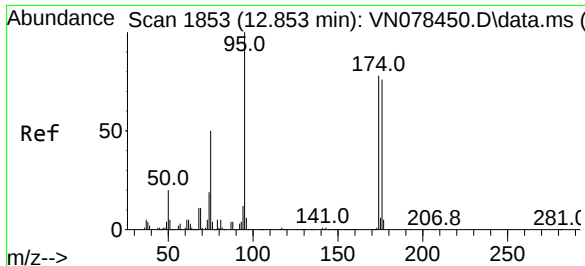


#61
1,2-Dibromoethane
Concen: 54.848 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59



Tgt Ion:107 Resp: 315497
Ion Ratio Lower Upper
107 100
109 92.6 76.6 114.8





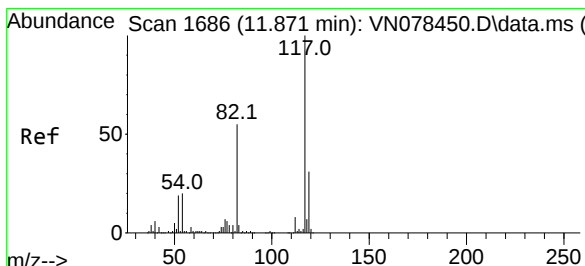
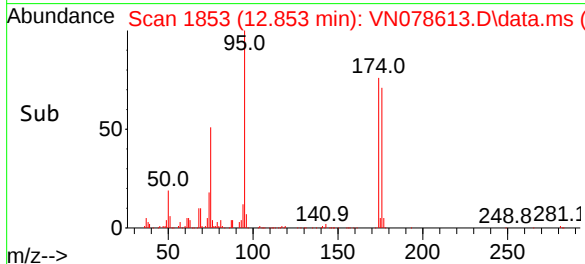
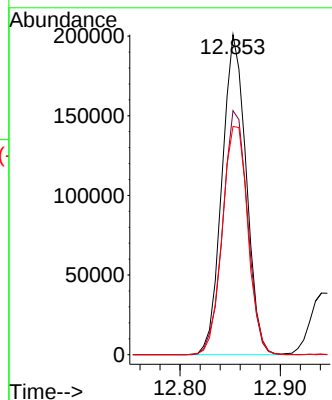
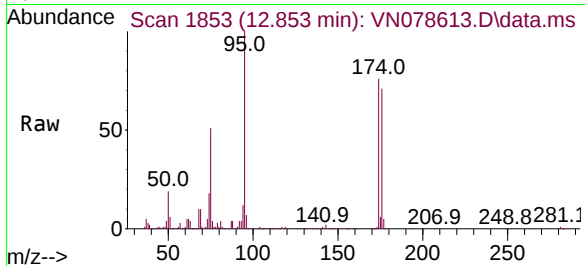
#62
4-Bromofluorobenzene
Concen: 54.007 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

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

Tgt Ion: 95 Resp: 33594
Ion Ratio Lower Upper
95 100
174 77.8 0.0 143.8
176 75.7 0.0 135.8

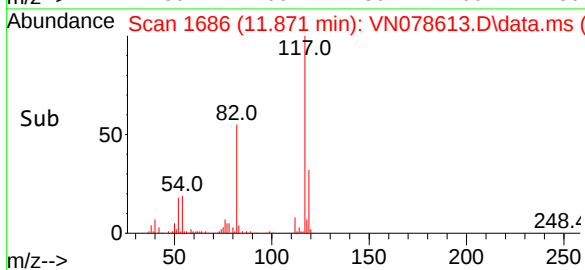
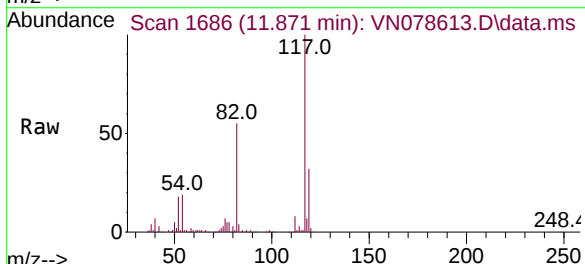
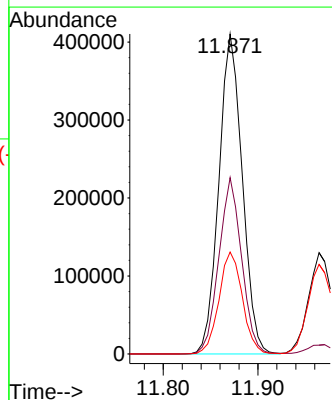
Manual Integrations
APPROVED

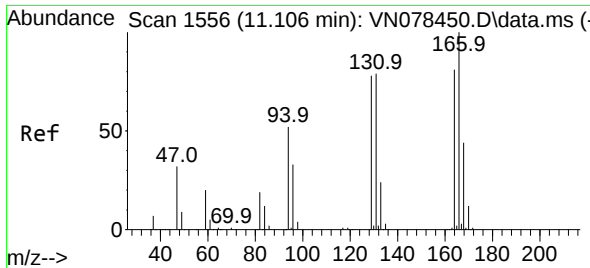
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

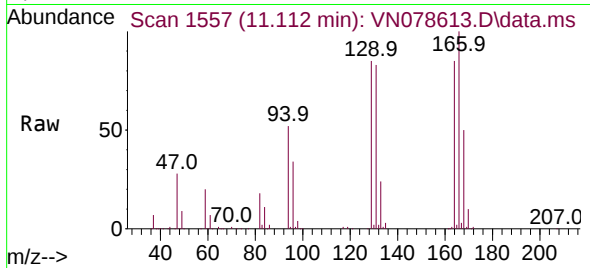
Tgt Ion:117 Resp: 704552
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 31.9 25.6 38.4





#64
Tetrachloroethene
Concen: 45.436 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

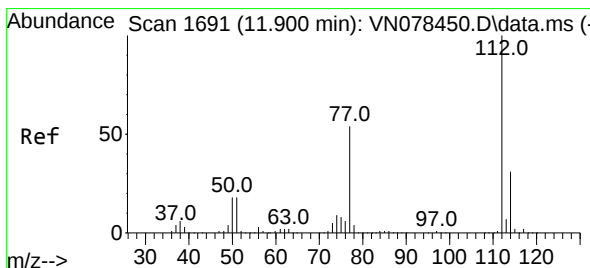
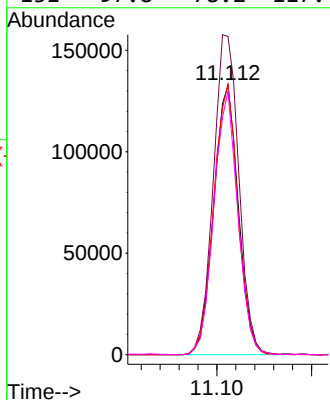
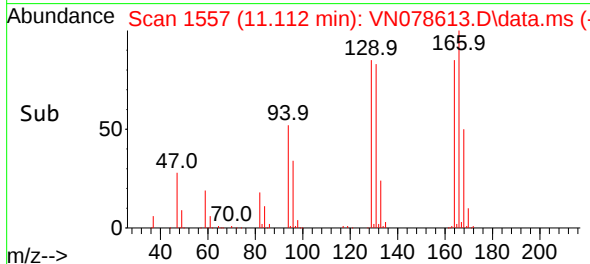
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MSD



Tgt Ion:164 Resp: 240670
Ion Ratio Lower Upper
164 100
166 118.2 101.4 152.0
129 100.4 82.4 123.6
131 97.8 78.2 117.4

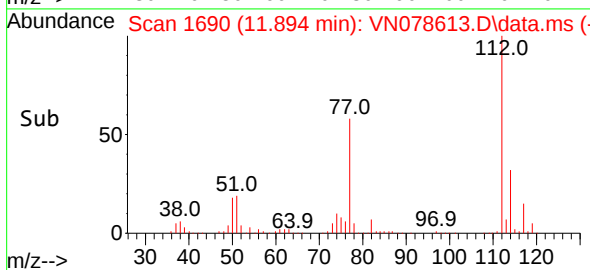
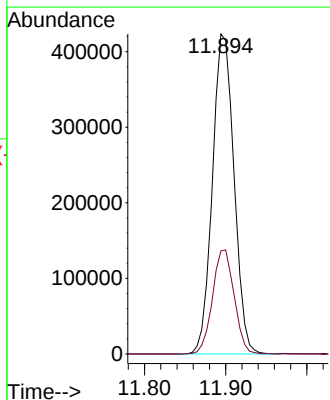
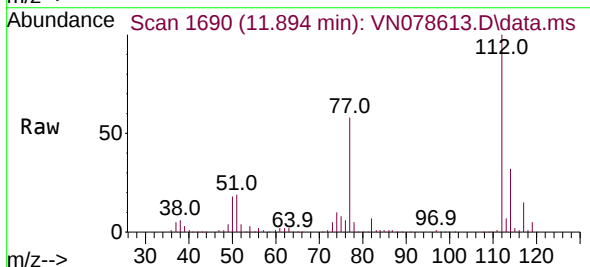
Manual Integrations
APPROVED

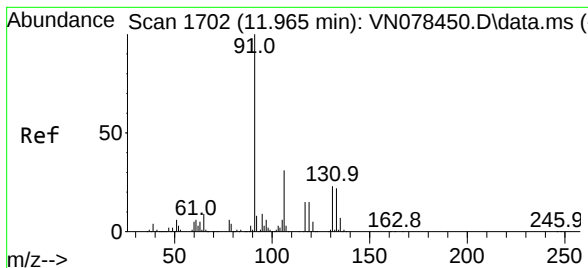
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#65
Chlorobenzene
Concen: 49.721 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.006 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

Tgt Ion:112 Resp: 783030
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.4





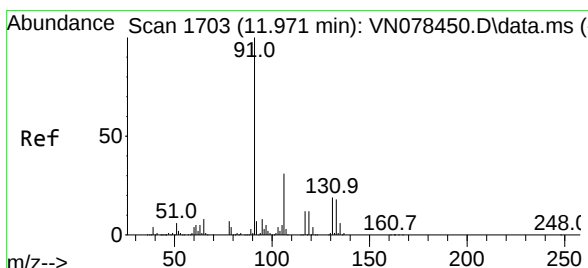
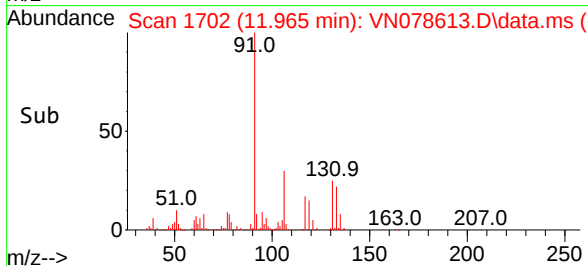
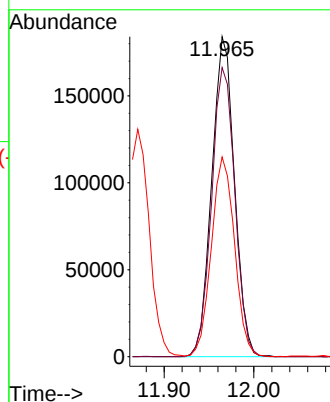
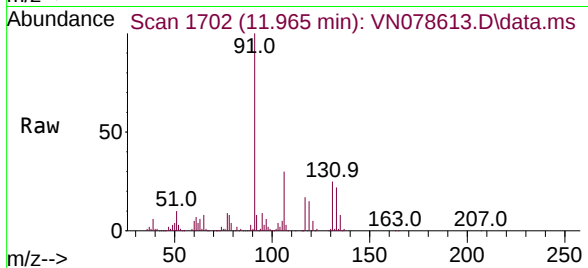
#66
1,1,1,2-Tetrachloroethane
Concen: 53.321 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

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

Tgt Ion:131 Resp: 323038
Ion Ratio Lower Upper
131 100
133 92.8 46.4 139.1
119 63.8 34.1 102.2

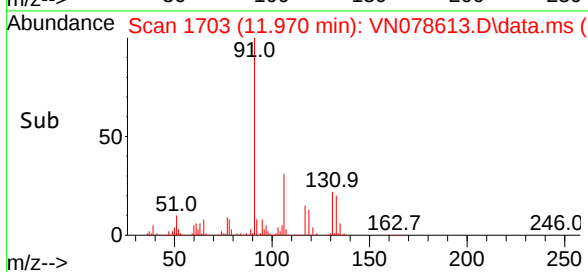
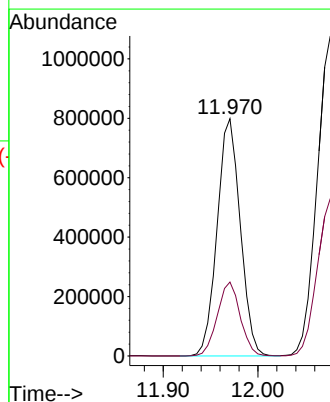
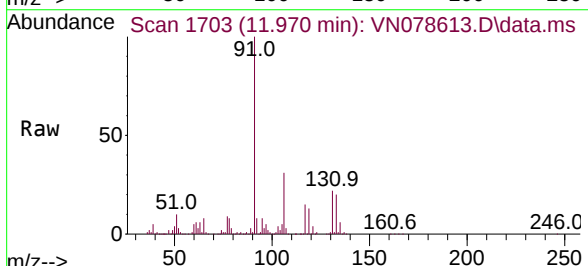
Manual Integrations
APPROVED

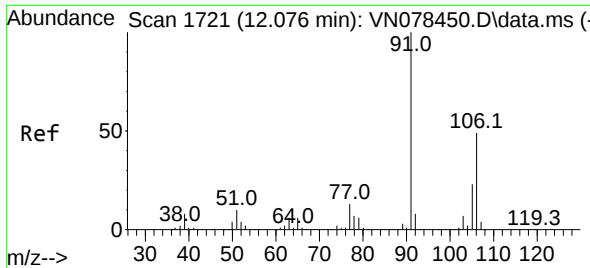
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#67
Ethyl Benzene
Concen: 50.948 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

Tgt Ion: 91 Resp: 1356237
Ion Ratio Lower Upper
91 100
106 31.1 25.6 38.4





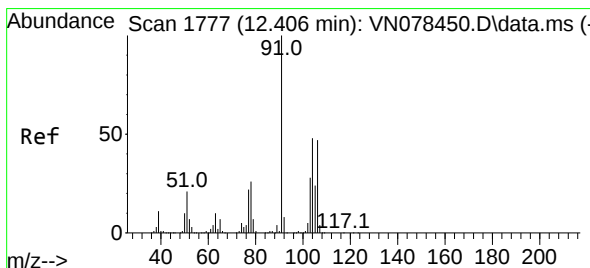
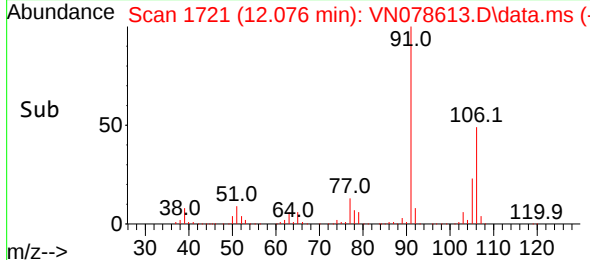
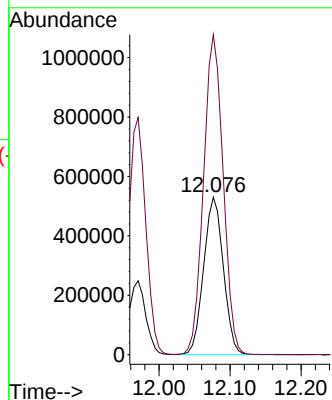
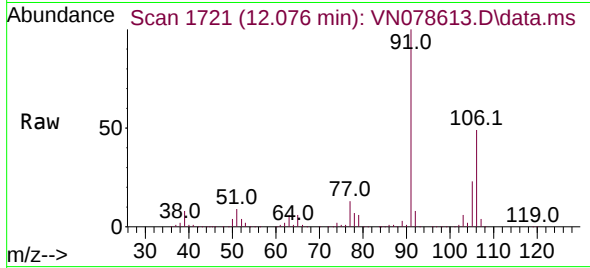
#68
m/p-Xylenes
Concen: 103.901 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

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

Tgt Ion:106 Resp: 1022619
Ion Ratio Lower Upper
106 100
91 202.1 159.6 239.4

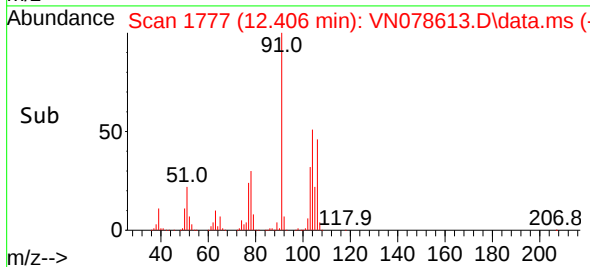
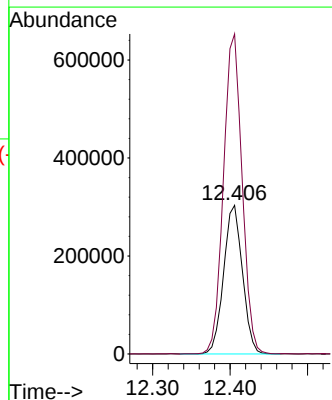
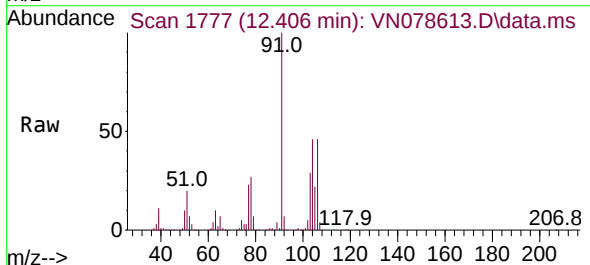
Manual Integrations
APPROVED

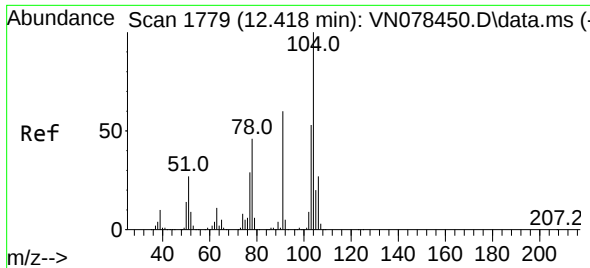
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#69
o-Xylene
Concen: 51.583 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

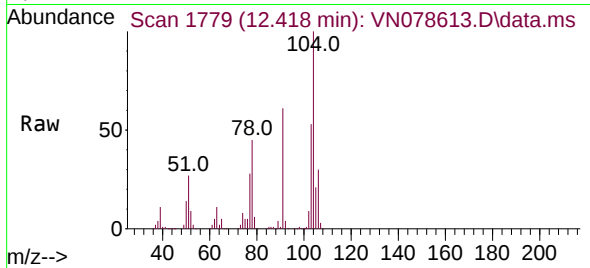
Tgt Ion:106 Resp: 512791
Ion Ratio Lower Upper
106 100
91 213.4 105.2 315.5





#70
Styrene
Concen: 53.687 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

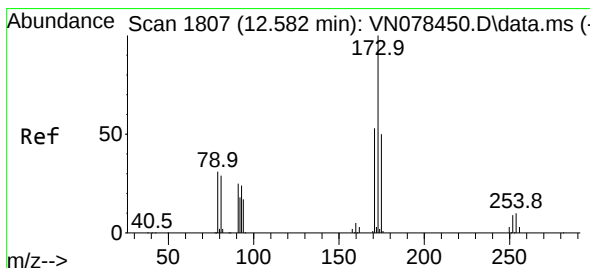
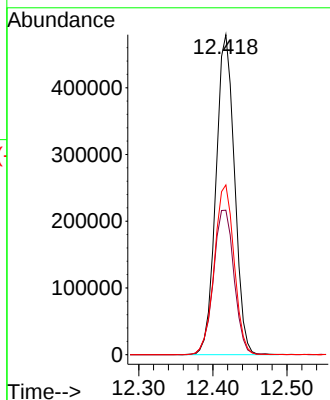
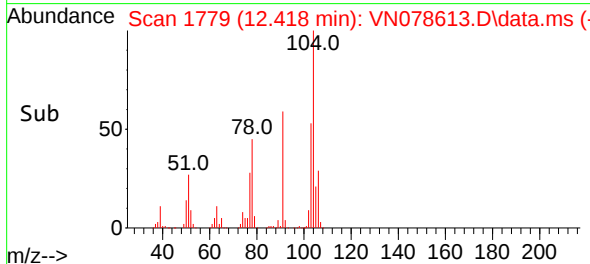
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MSD



Tgt Ion:104 Resp: 834970
Ion Ratio Lower Upper
104 100
78 50.1 39.5 59.3
103 56.5 43.2 64.8

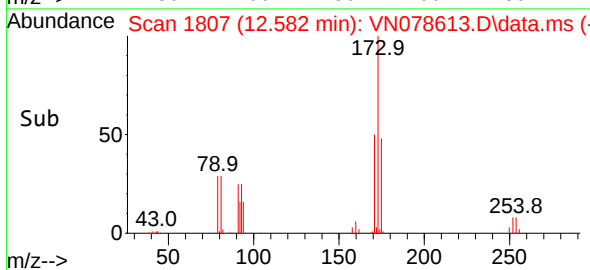
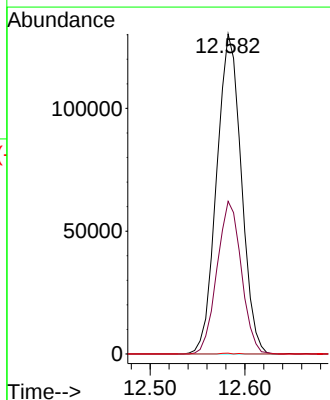
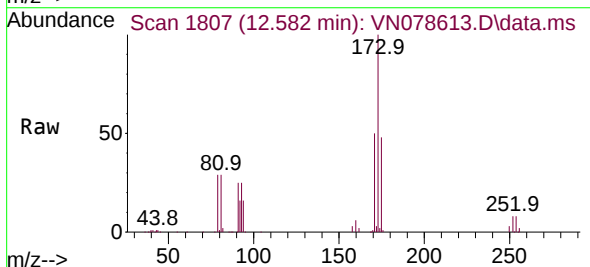
Manual Integrations
APPROVED

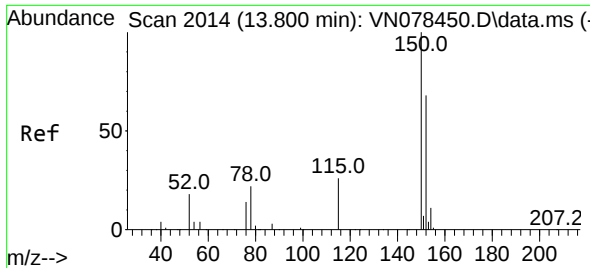
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#71
Bromoform
Concen: 57.466 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

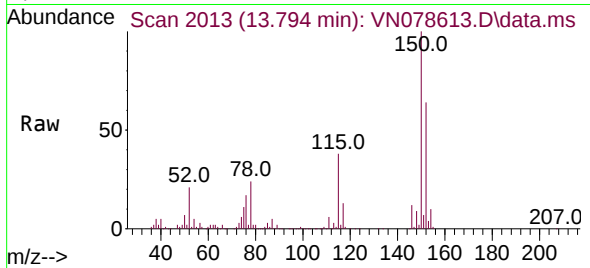
Tgt Ion:173 Resp: 235789
Ion Ratio Lower Upper
173 100
175 47.0 24.3 73.0
254 0.1 0.0 0.0#





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2014
Delta R.T. -0.006 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

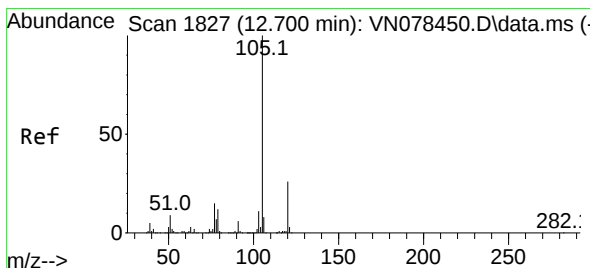
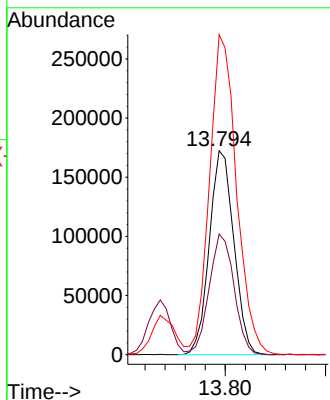
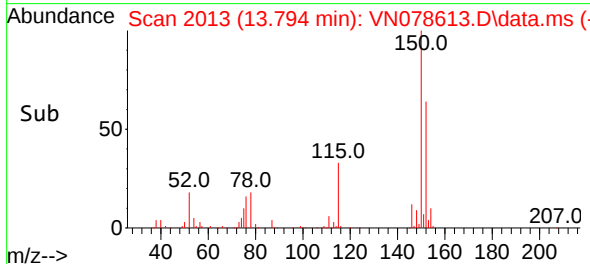
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MSD



Tgt Ion:152 Resp: 292892
Ion Ratio Lower Upper
152 100
115 59.8 32.3 96.8
150 172.3 0.0 355.8

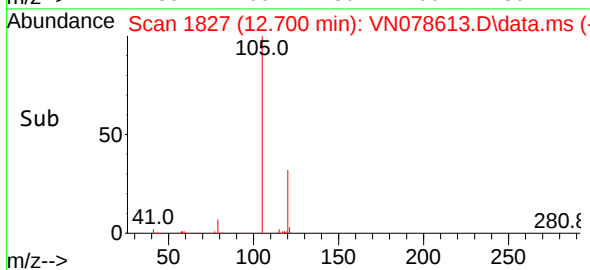
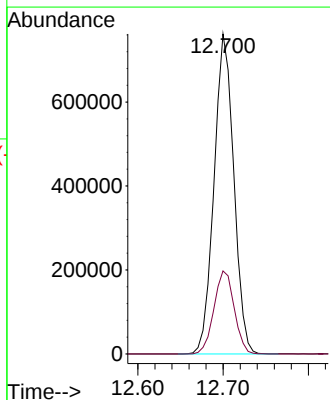
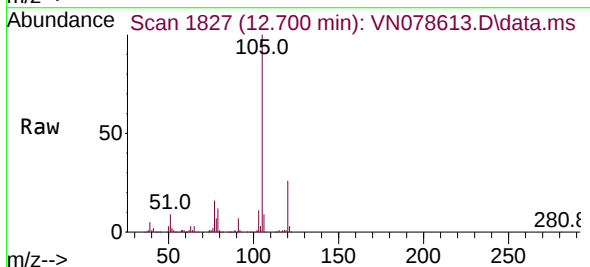
Manual Integrations
APPROVED

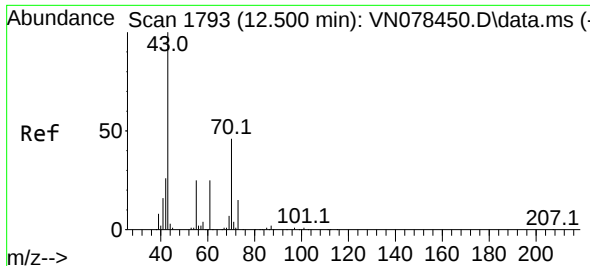
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#73
Isopropylbenzene
Concen: 44.574 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

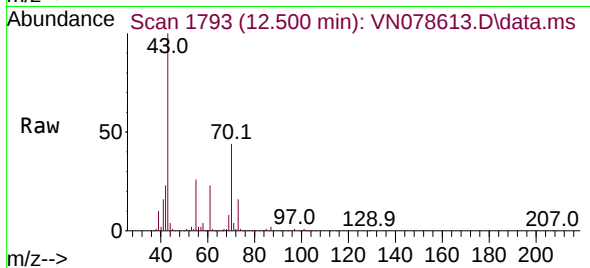
Tgt Ion:105 Resp: 1226736
Ion Ratio Lower Upper
105 100
120 26.6 13.1 39.1





#74
N-amy1 acetate
Concen: 49.141 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

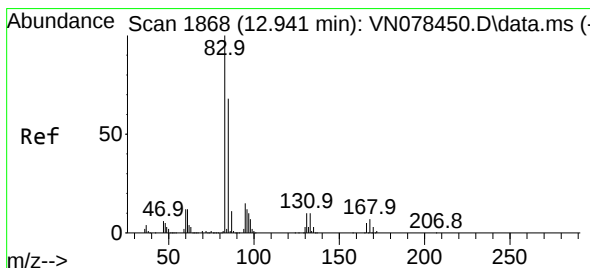
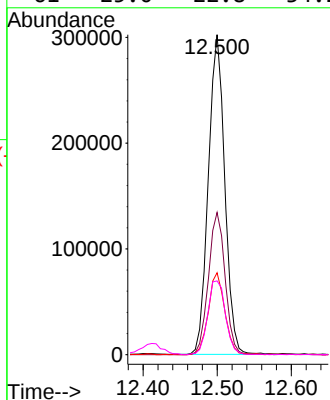
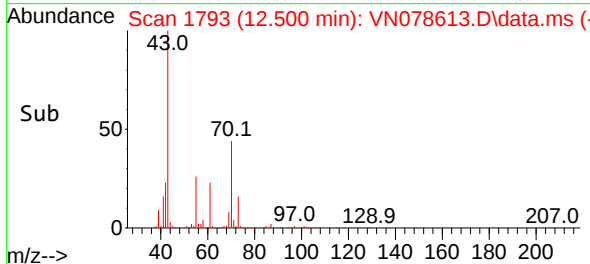
Instrument : MSVOA_N
ClientSampleId : GWBR-04-400-415-072023MSD



Tgt Ion:	43	Resp:	466070
Ion Ratio	100	Lower	Upper
43	100		
70	45.0	43.4	65.2
55	25.7	21.4	32.0
61	25.0	22.8	34.2

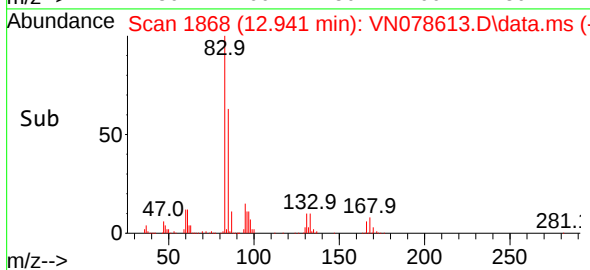
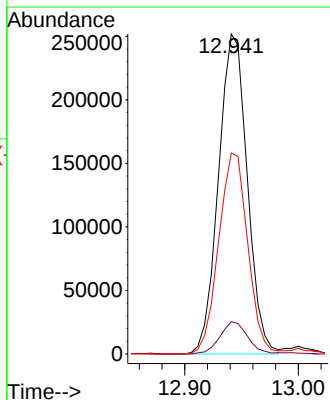
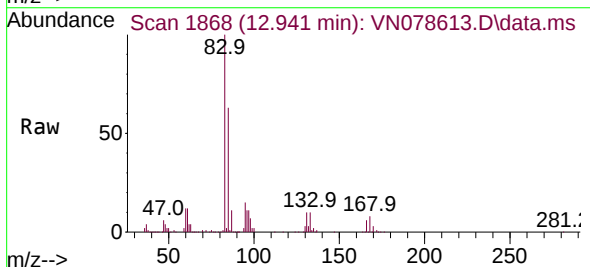
Manual Integrations
APPROVED

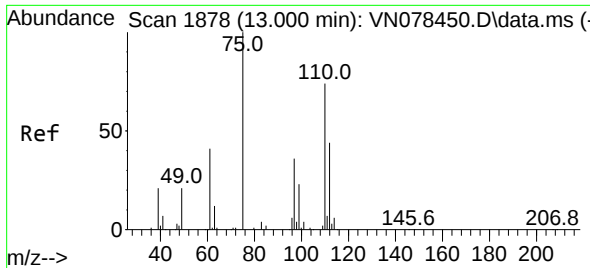
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#75
1,1,2,2-Tetrachloroethane
Concen: 58.125 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

Tgt Ion:	83	Resp:	442930
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	63.4	31.9	95.7





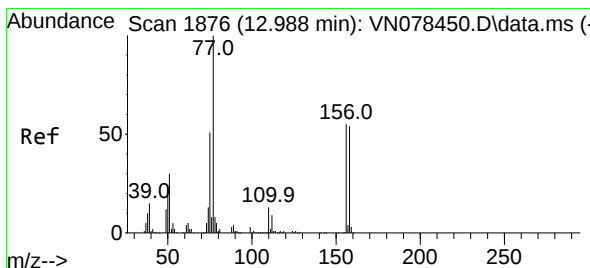
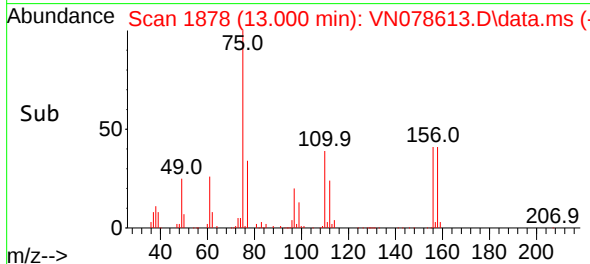
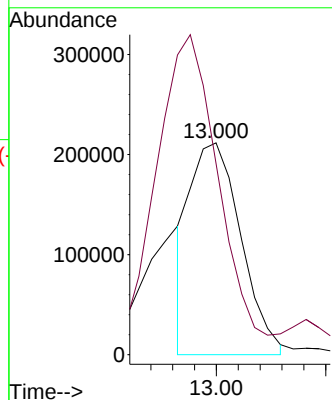
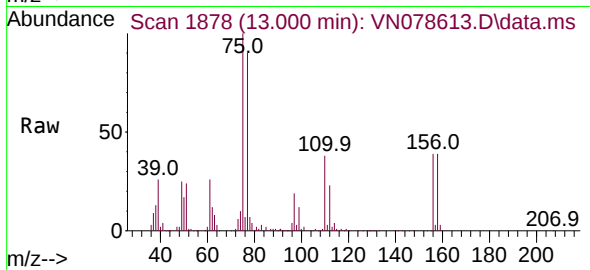
#76
1,2,3-Trichloropropane
Concen: 48.292 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

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

Tgt Ion: 75 Resp: 34188
Ion Ratio Lower Upper
75 100
77 187.9 84.5 253.5

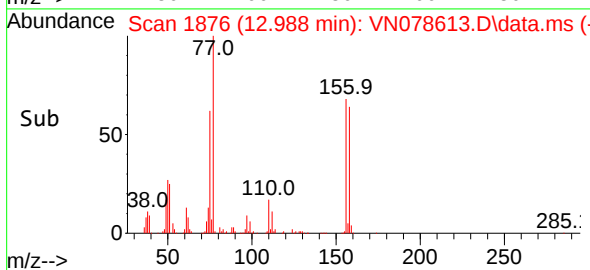
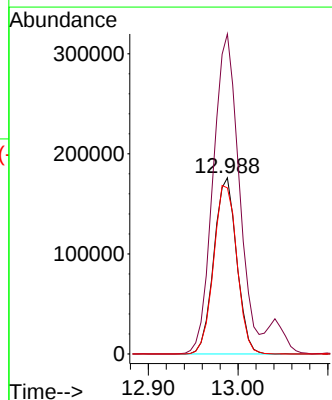
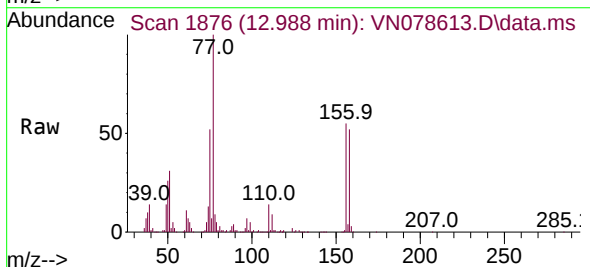
Manual Integrations
APPROVED

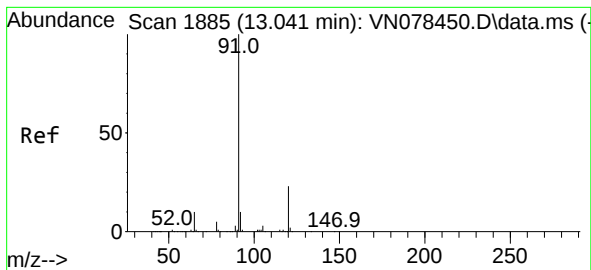
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#77
Bromobenzene
Concen: 51.965 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

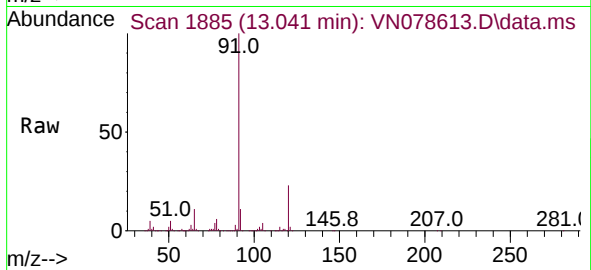
Tgt Ion:156 Resp: 310646
Ion Ratio Lower Upper
156 100
77 206.8 107.7 323.3
158 98.0 48.4 145.3





#78
n-propylbenzene
Concen: 46.469 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

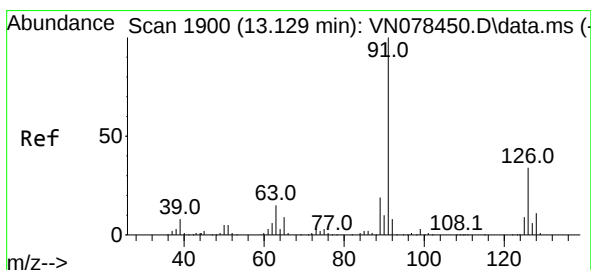
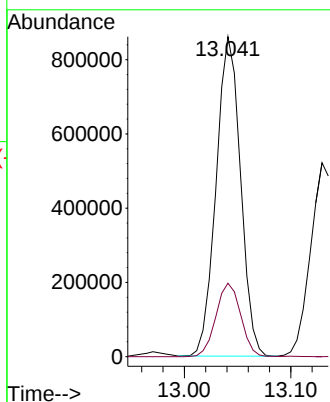
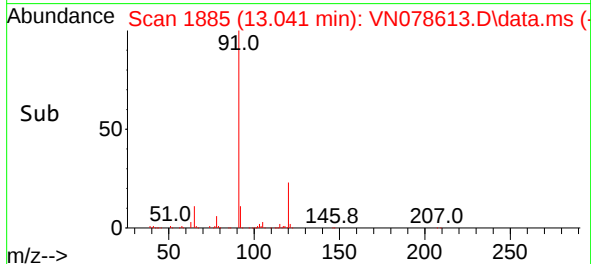
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MSD



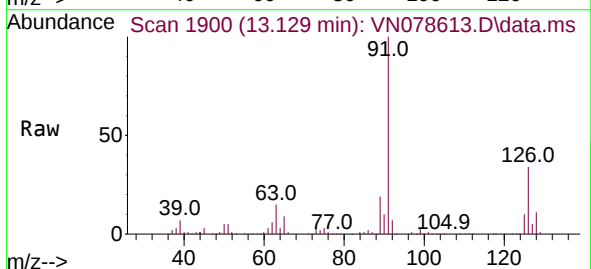
Tgt Ion: 91 Resp: 1367710
Ion Ratio Lower Upper
91 100
120 23.3 11.5 34.4

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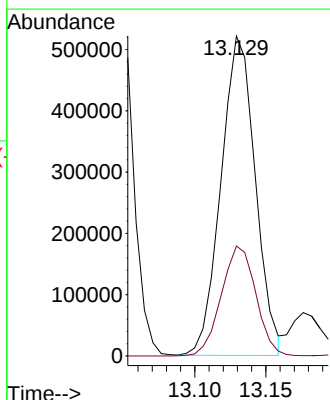
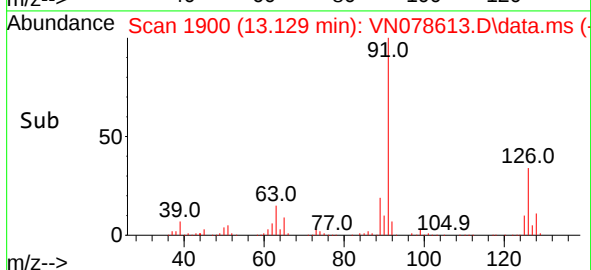
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

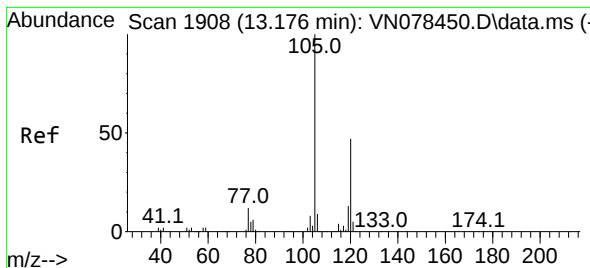


#79
2-Chlorotoluene
Concen: 45.408 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59



Tgt Ion: 91 Resp: 875418
Ion Ratio Lower Upper
91 100
126 34.7 16.3 48.8





#80

1,3,5-Trimethylbenzene

Concen: 46.465 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN078613.D

Acq: 21 Jul 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MSD

Tgt Ion:105 Resp: 101038

Ion Ratio Lower Upper

105 100

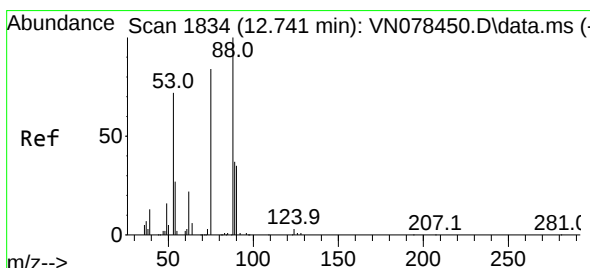
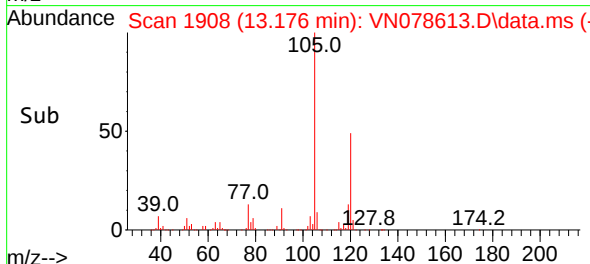
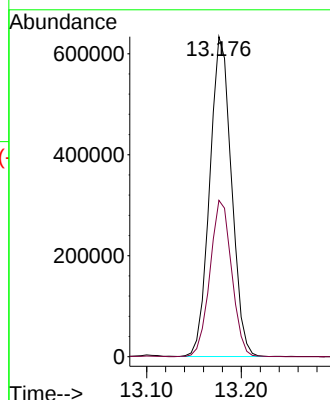
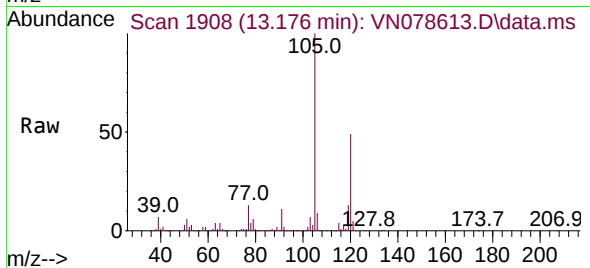
120 48.9 24.1 72.3

Manual Integrations

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Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#81

trans-1,4-Dichloro-2-butene

Concen: 52.706 ug/l

RT: 12.741 min Scan# 1834

Delta R.T. 0.000 min

Lab File: VN078613.D

Acq: 21 Jul 2023 14:59

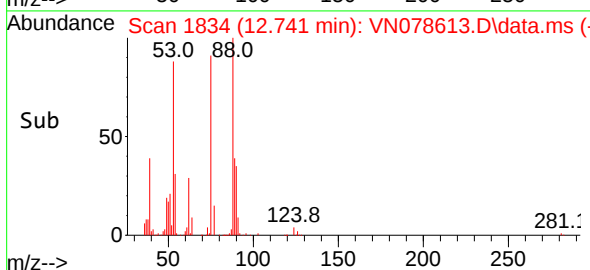
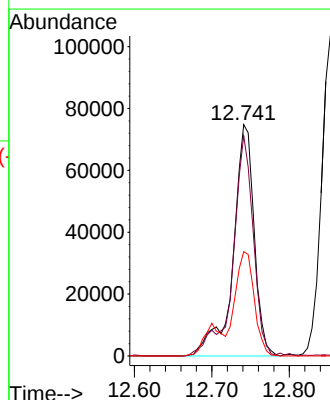
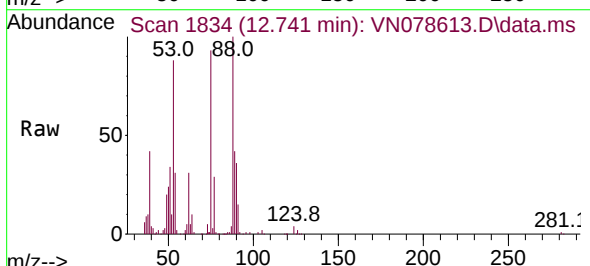
Tgt Ion: 75 Resp: 141995

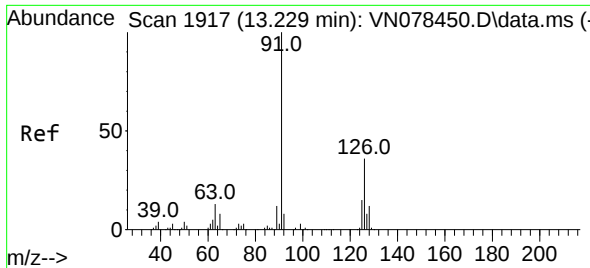
Ion Ratio Lower Upper

75 100

53 91.9 67.4 101.2

89 40.5 38.8 58.2





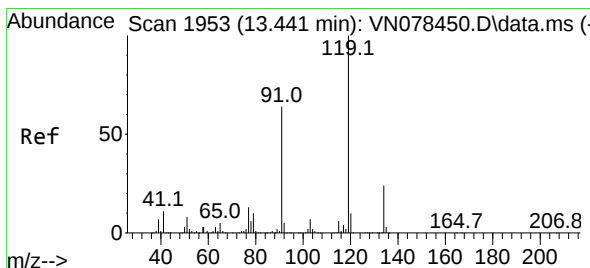
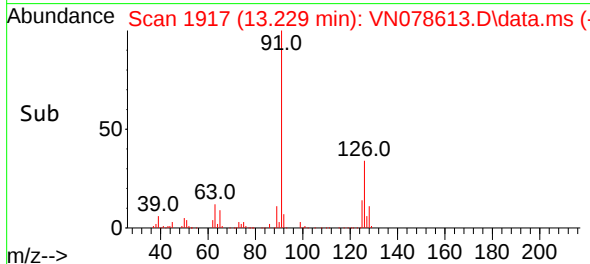
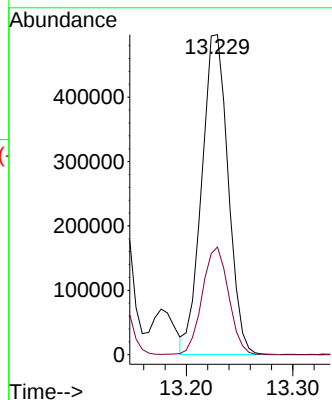
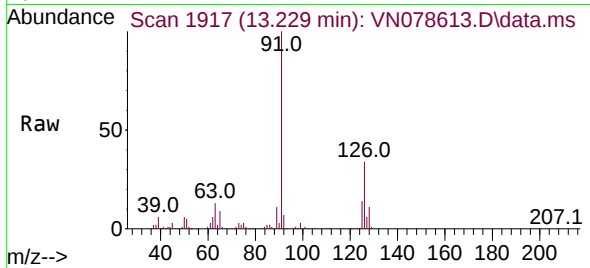
#82
4-Chlorotoluene
Concen: 47.573 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

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

Tgt Ion: 91 Resp: 855579
Ion Ratio Lower Upper
91 100
126 33.6 16.7 50.0

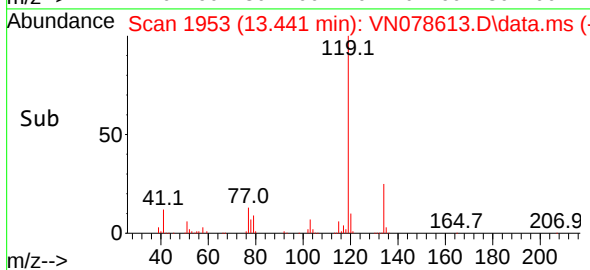
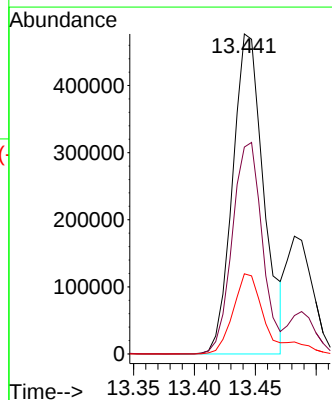
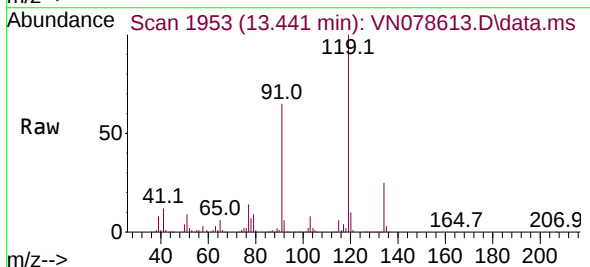
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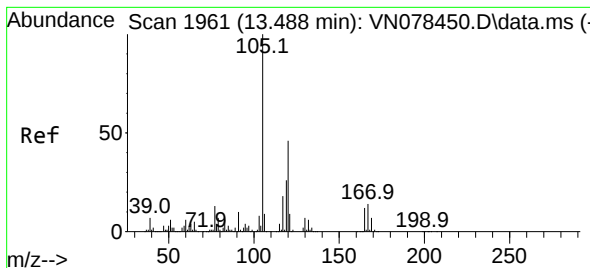
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#83
tert-Butylbenzene
Concen: 45.865 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

Tgt Ion:119 Resp: 846753
Ion Ratio Lower Upper
119 100
91 64.0 33.9 101.7
134 26.4 13.2 39.6





#84

1,2,4-Trimethylbenzene

Concen: 47.761 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN078613.D

Acq: 21 Jul 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MSD

Tgt Ion:105 Resp: 1008800

Ion Ratio Lower Upper

105 100

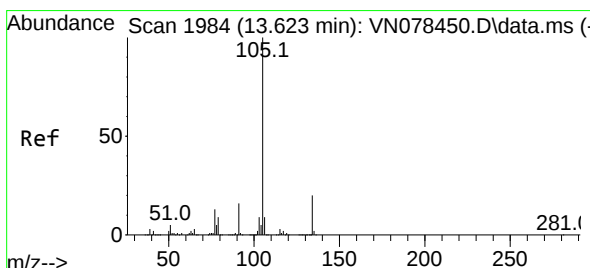
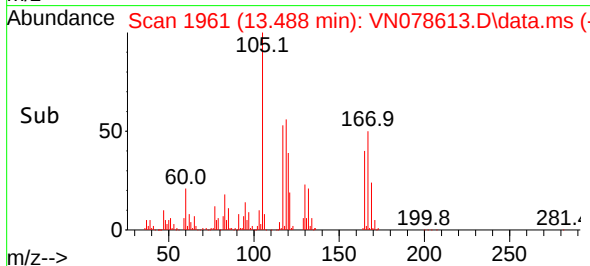
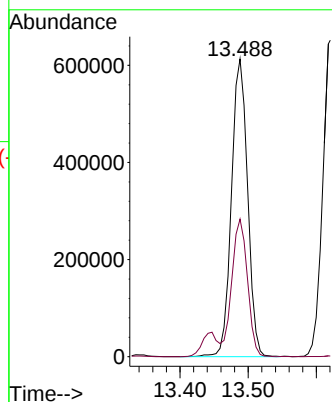
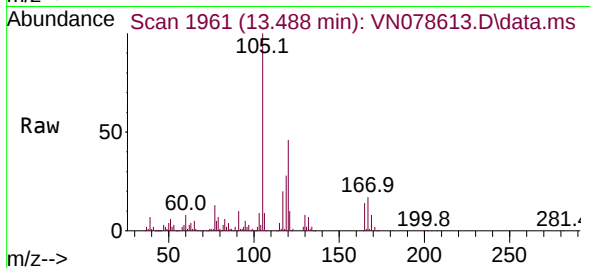
120 45.0 22.0 66.0

Manual Integrations

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Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#85

sec-Butylbenzene

Concen: 45.971 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN078613.D

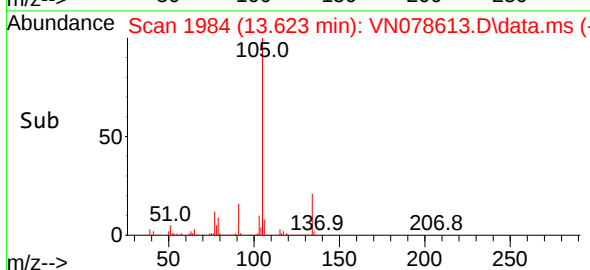
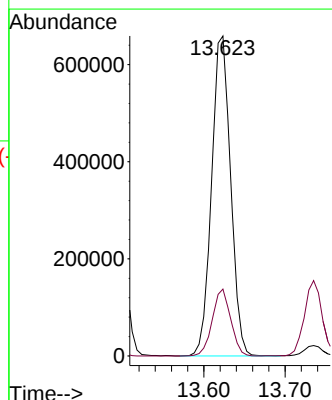
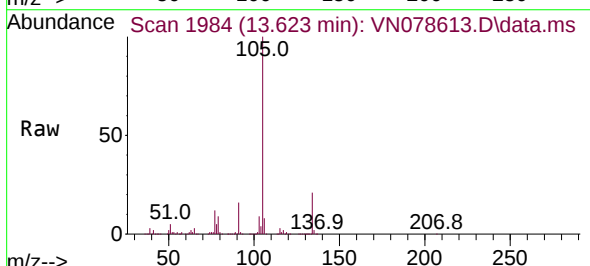
Acq: 21 Jul 2023 14:59

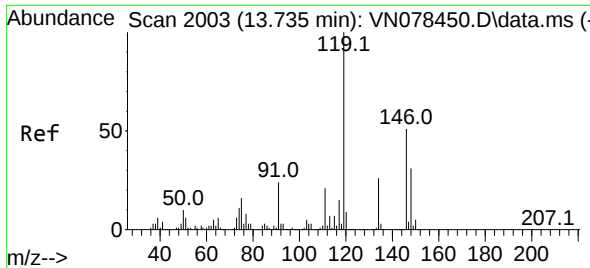
Tgt Ion:105 Resp: 1072756

Ion Ratio Lower Upper

105 100

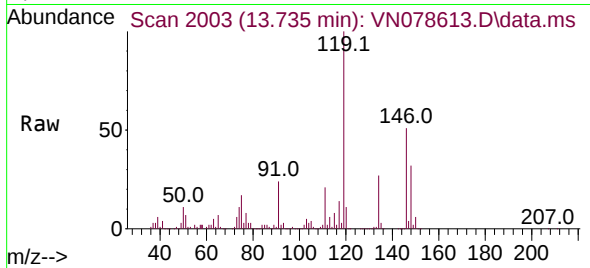
134 20.2 9.8 29.3





#86
p-Isopropyltoluene
Concen: 47.230 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

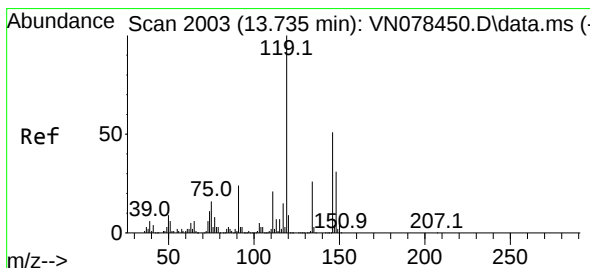
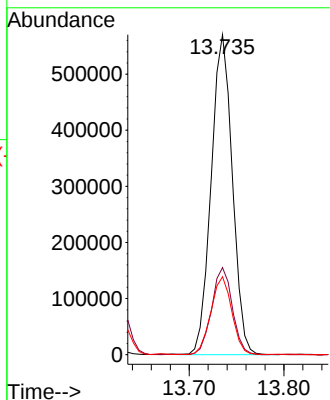
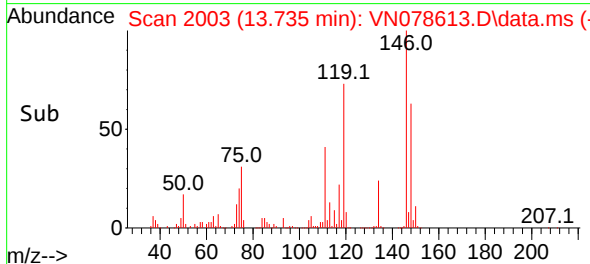
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MSD



Tgt Ion:119 Resp: 884985
Ion Ratio Lower Upper
119 100
134 26.6 12.6 37.8
91 23.9 12.4 37.2

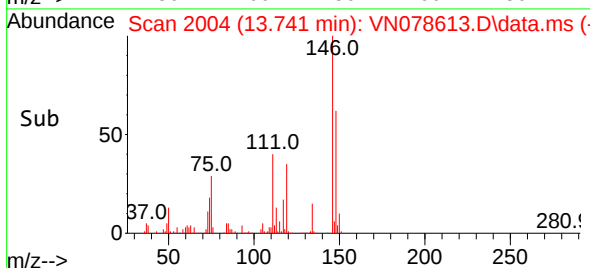
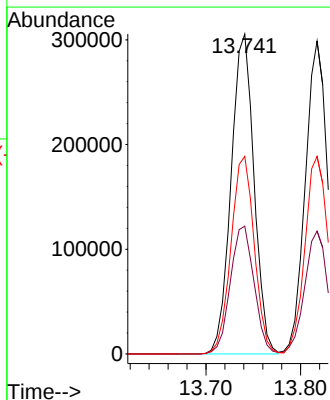
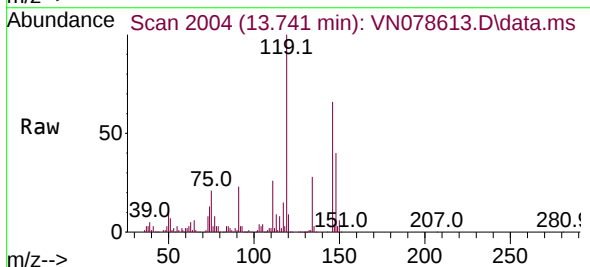
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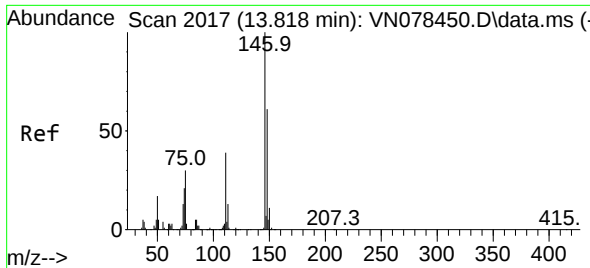
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#87
1,3-Dichlorobenzene
Concen: 48.608 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.006 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

Tgt Ion:146 Resp: 513556
Ion Ratio Lower Upper
146 100
111 41.4 22.1 66.3
148 62.8 32.0 96.0





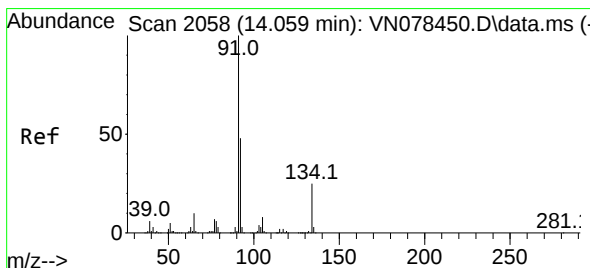
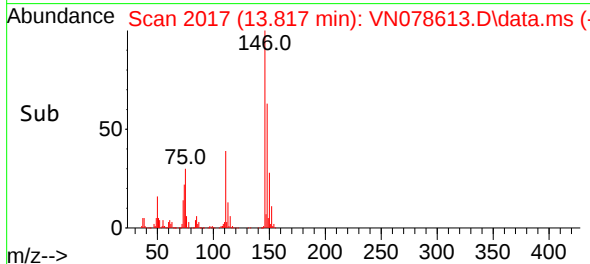
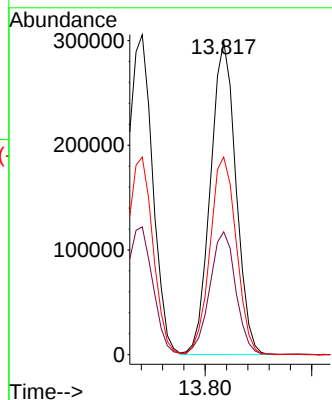
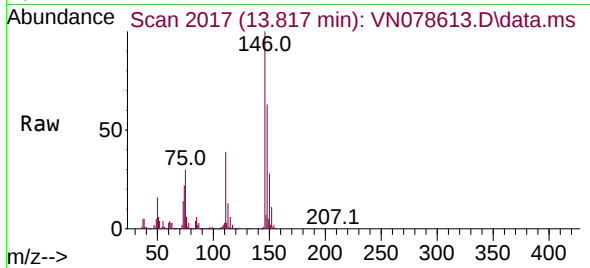
#88
1,4-Dichlorobenzene
Concen: 46.632 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.001 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

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

Tgt Ion:146 Resp: 49625
Ion Ratio Lower Upper
146 100
111 40.3 20.6 61.8
148 64.9 31.6 94.8

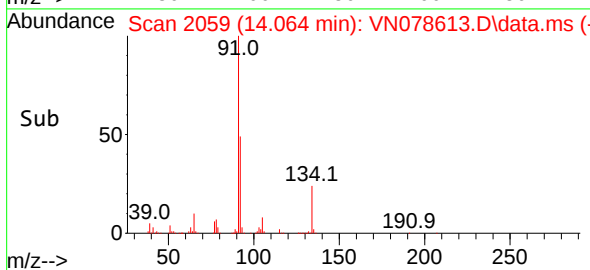
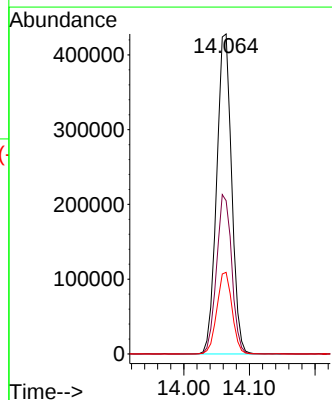
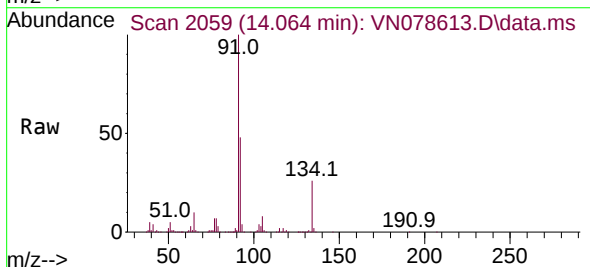
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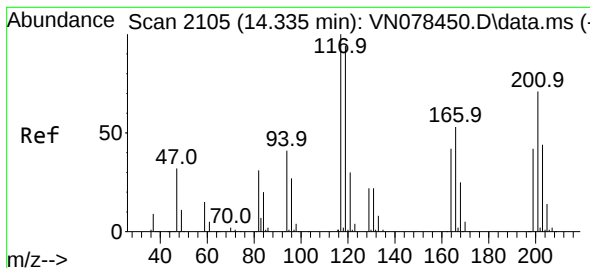
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023



#89
n-Butylbenzene
Concen: 50.487 ug/l
RT: 14.064 min Scan# 2059
Delta R.T. 0.005 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

Tgt Ion: 91 Resp: 676886
Ion Ratio Lower Upper
91 100
92 50.4 26.4 79.0
134 25.9 12.6 37.6





#90

Hexachloroethane

Concen: 51.141 ug/l

RT: 14.341 min Scan# 2105

Delta R.T. 0.006 min

Lab File: VN078613.D

Acq: 21 Jul 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MSD

Tgt Ion:117 Resp: 17606

Ion Ratio Lower Upper

117 100

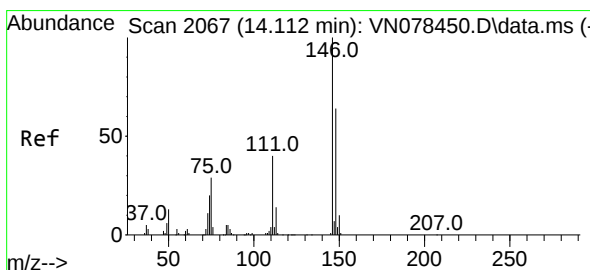
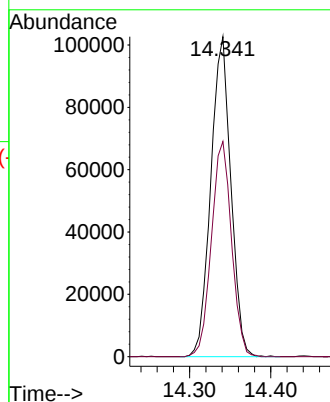
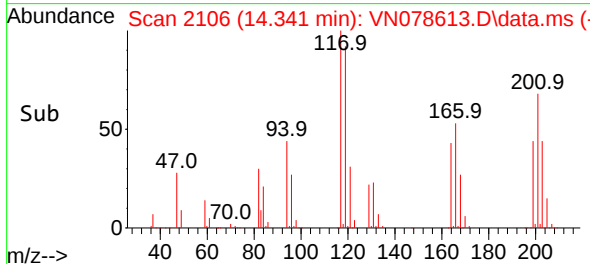
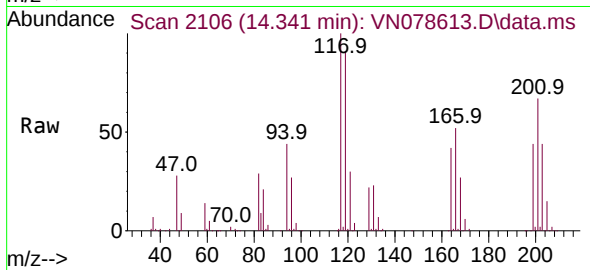
201 67.4 29.3 88.0

Manual Integrations

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Reviewed By :John Carlone 07/24/2023

Supervised By :Mahesh Dadoda 07/24/2023



#91

1,2-Dichlorobenzene

Concen: 49.249 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. -0.000 min

Lab File: VN078613.D

Acq: 21 Jul 2023 14:59

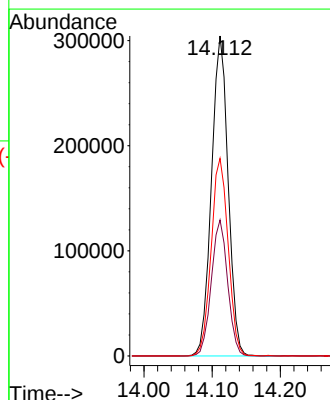
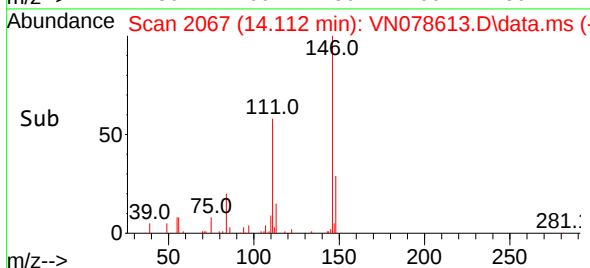
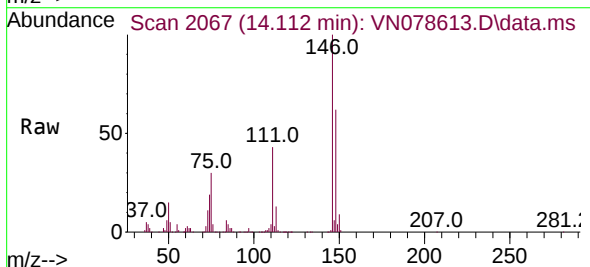
Tgt Ion:146 Resp: 517826

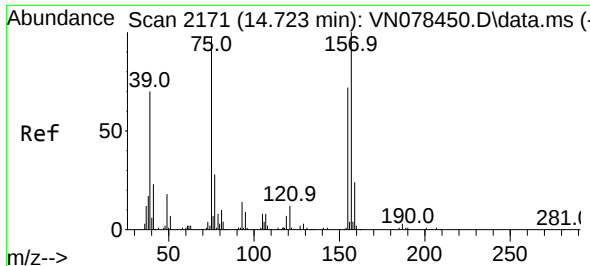
Ion Ratio Lower Upper

146 100

111 41.7 22.0 66.0

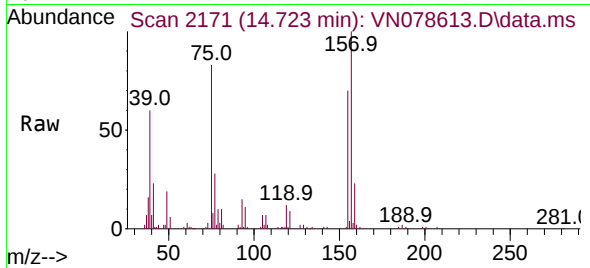
148 63.1 31.8 95.3





#92
1,2-Dibromo-3-Chloropropane
Concen: 52.975 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59

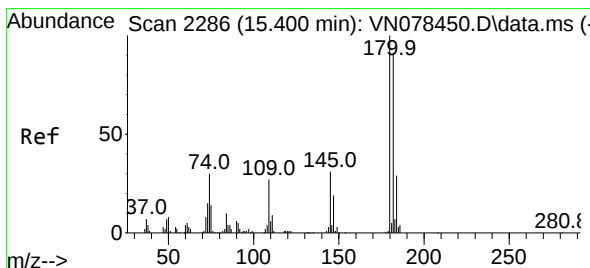
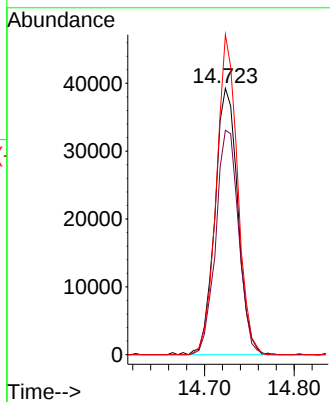
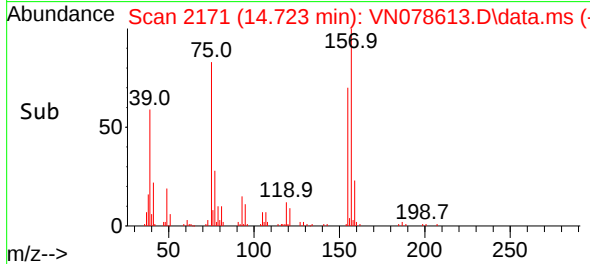
Instrument :
MSVOA_N
ClientSampleId :
GWBR-04-400-415-072023MSD



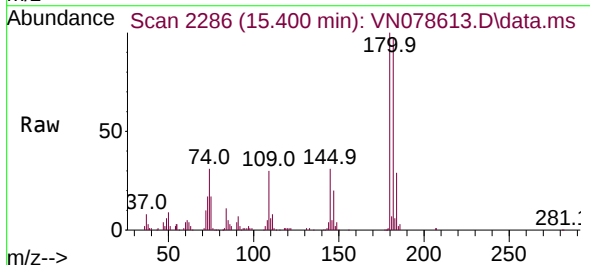
Tgt Ion: 75 Resp: 69640
Ion Ratio Lower Upper
75 100
155 84.0 39.1 117.2
157 110.6 50.3 150.9

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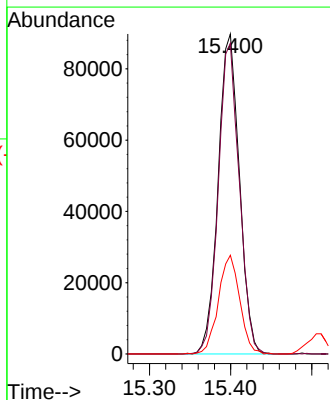
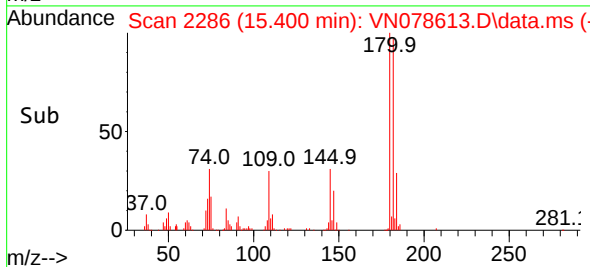
Reviewed By :John Carlone 07/24/2023
Supervised By :Mahesh Dadoda 07/24/2023

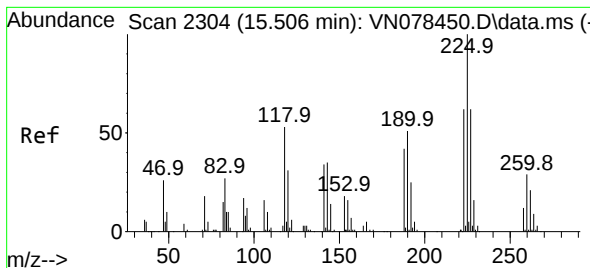


#93
1,2,4-Trichlorobenzene
Concen: 48.640 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN078613.D
Acq: 21 Jul 2023 14:59



Tgt Ion:180 Resp: 163220
Ion Ratio Lower Upper
180 100
182 95.7 46.1 138.2
145 31.1 16.6 49.8





#94

Hexachlorobutadiene

Concen: 54.649 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN078613.D

Acq: 21 Jul 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

GWBR-04-400-415-072023MSD

Tgt Ion:225 Resp: 9420

Ion Ratio Lower Upper

225 100

223 63.3 31.3 93.8

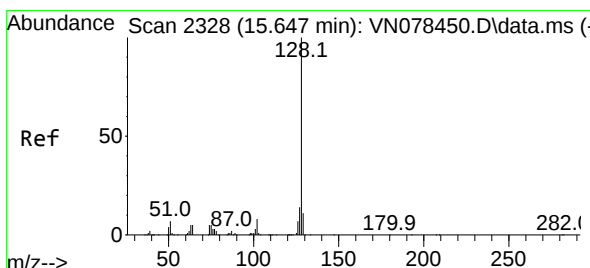
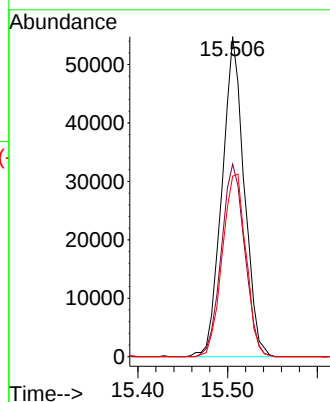
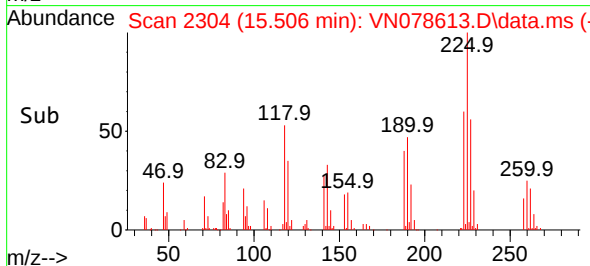
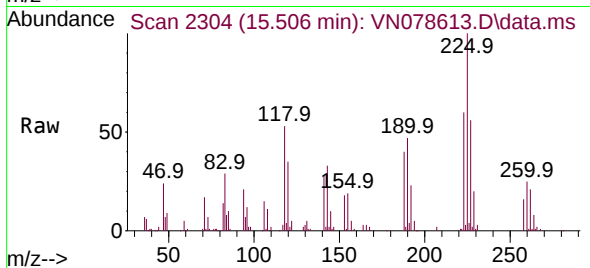
227 60.7 31.9 95.9

Manual Integrations

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#95

Naphthalene

Concen: 45.294 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078613.D

Acq: 21 Jul 2023 14:59

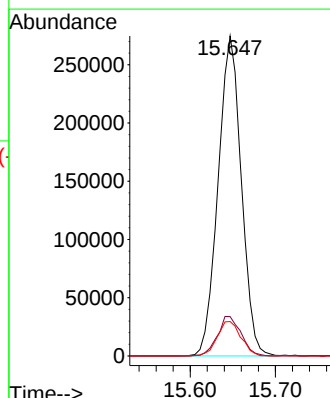
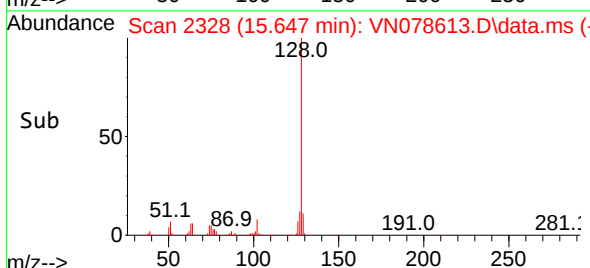
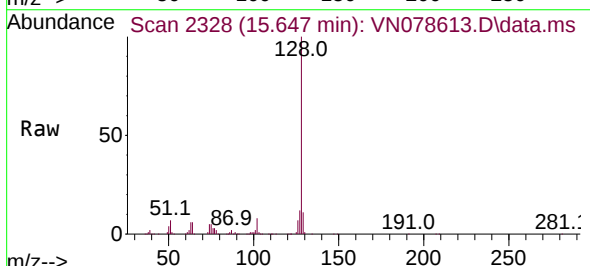
Tgt Ion:128 Resp: 519611

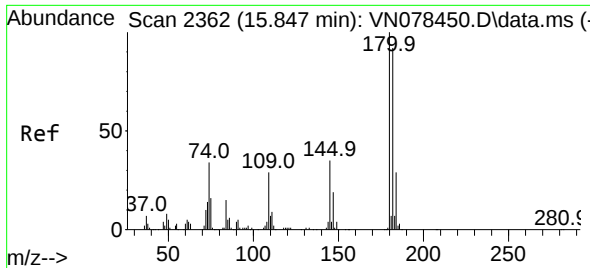
Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

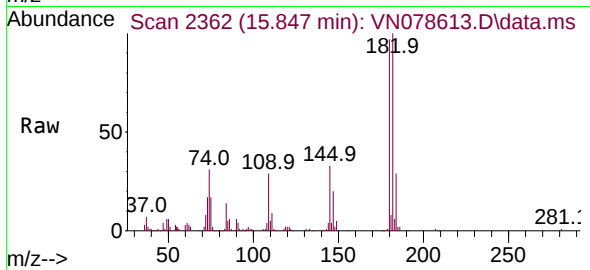
129 11.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 47.527 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN078613.D
 Acq: 21 Jul 2023 14:59

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



Tgt Ion:180 Resp: 183380
 Ion Ratio Lower Upper
 180 100
 182 94.5 46.2 138.6
 145 33.2 17.5 52.6

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