

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
 Data File : VW021619.D
 Acq On : 23 Dec 2021 18:17
 Operator : SY/VA
 Sample : M5174-11MSD
 Misc : 6.65g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GBC20MSD

Quant Time: Dec 24 01:45:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 24 01:43:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	63283	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	41548	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	10787	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	32472	28.174	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery	= 112.680%		
7) Chloroethane-d5	2.879	69	22464	29.483	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery	= 117.920%		
11) 1,1-Dichloroethene-d2	4.019	63	45274	29.464	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery	= 117.840%#		
21) 2-Butanone-d5	7.080	46	26229	161.445	ug/L	-0.02
Spiked Amount 50.000	Range 20 - 135		Recovery	= 322.900%#		
24) Chloroform-d	7.653	84	57429	32.564	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery	= 130.240%		
26) 1,2-Dichloroethane-d4	8.305	65	37042	39.487	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery	= 157.960%#		
32) Benzene-d6	8.274	84	95875	42.099	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery	= 168.400%#		
36) 1,2-Dichloropropane-d6	9.274	67	30432	49.826	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery	= 199.320%#		
41) Toluene-d8	10.323	98	76784	32.998	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery	= 132.000%#		
43) trans-1,3-Dichloroprop...	10.579	79	13517	48.065	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery	= 192.240%#		
47) 2-Hexanone-d5	10.920	63	19961	221.013	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery	= 442.020%#		
56) 1,1,2,2-Tetrachloroeth...	12.688	84	29486	56.159	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery	= 224.640%#		
66) 1,2-Dichlorobenzene-d4	13.853	152	10280	24.590	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery	= 98.360%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.007	85	6861	28.060	ug/L	97
3) Chloromethane	2.215	50	21208	26.199	ug/L	98
5) Vinyl chloride	2.361	62	31258	24.597	ug/L	100
6) Bromomethane	2.775	94	17639	21.400	ug/L	84
8) Chloroethane	2.916	64	15145	25.869	ug/L	99
9) Trichlorofluoromethane	3.257	101	17507	26.110	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	22671	25.944	ug/L	92
12) 1,1-Dichloroethene	4.037	96	21657	27.609	ug/L	82
13) Acetone	4.123	43	20148	138.337	ug/L	95
14) Carbon disulfide	4.385	76	41358	20.416	ug/L	99
15) Methyl Acetate	4.671	43	16659	66.291	ug/L #	87
16) Methylene chloride	4.915	84	27432	26.234	ug/L	84
17) trans-1,2-Dichloroethene	5.427	96	22211	26.151	ug/L	83
18) Methyl tert-butyl Ether	5.421	73	53655	45.741	ug/L	95
19) 1,1-Dichloroethane	6.220	63	41278	30.971	ug/L	99
20) cis-1,2-Dichloroethene	7.165	96	25511	28.477	ug/L	73
22) 2-Butanone	7.177	43	25189	132.433	ug/L	90
23) Bromochloromethane	7.512	128	14219	33.946	ug/L #	62
25) Chloroform	7.677	83	47739	30.856	ug/L	99

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 Quant Title : SFAM01.0
 QLast Update : Fri Dec 24 01:43:02 2021
 Response via : Initial Calibration

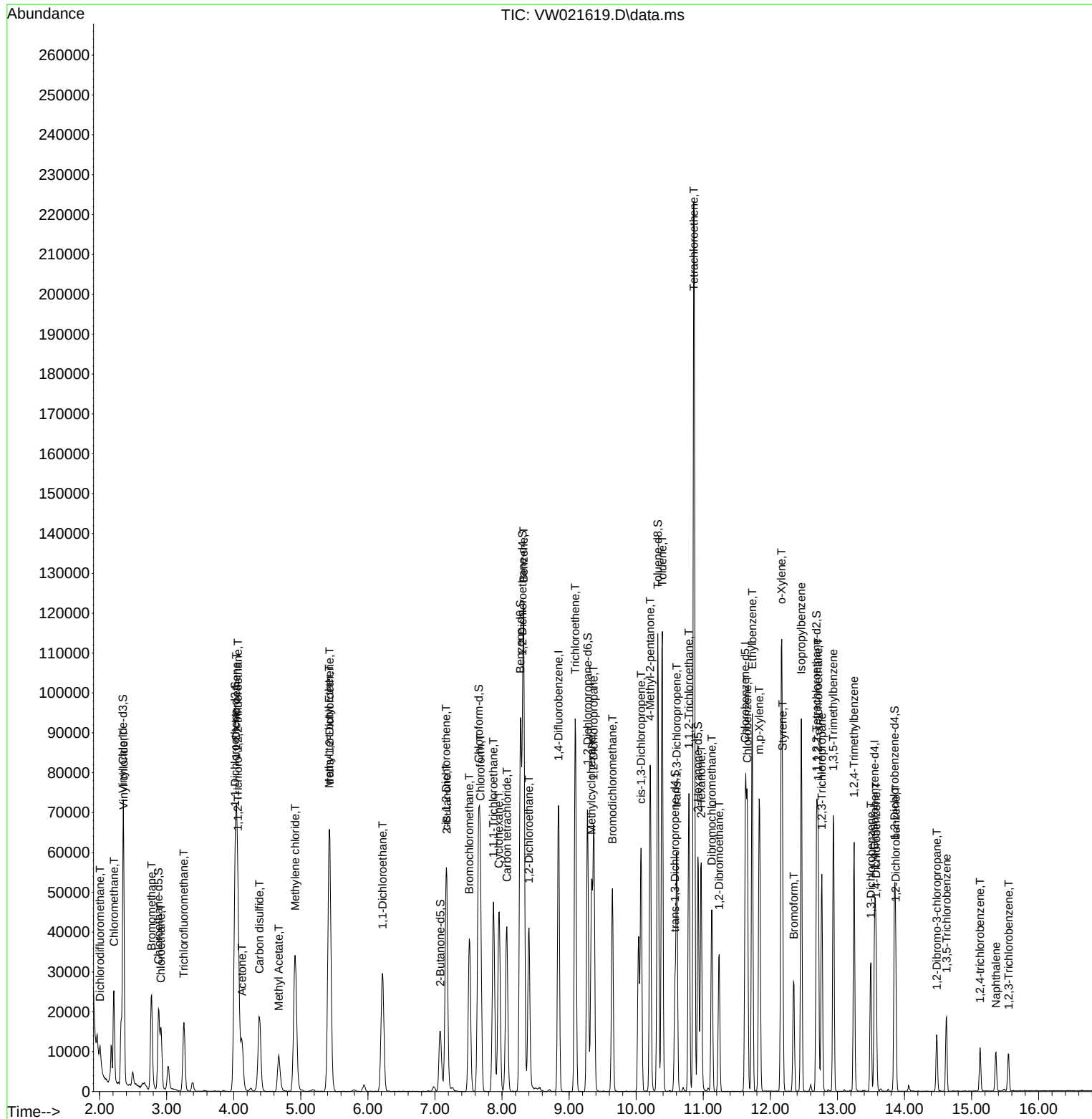
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	37245	38.014	ug/L #	94
29) Cyclohexane	7.951	56	23844	28.833	ug/L #	81
30) 1,1,1-Trichloroethane	7.872	97	37836	40.587	ug/L	95
31) Carbon tetrachloride	8.073	117	30939	35.977	ug/L	97
33) Benzene	8.323	78	95775	42.316	ug/L	100
34) Trichloroethene	9.091	95	31391	49.407	ug/L	95
35) Methylcyclohexane	9.335	83	21241	20.267	ug/L #	83
37) 1,2-Dichloropropane	9.366	63	22118	43.811	ug/L #	96
38) Bromodichloromethane	9.646	83	32511	46.836	ug/L #	94
39) cis-1,3-Dichloropropene	10.073	75	33315	41.862	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	50675	184.218	ug/L #	90
42) Toluene	10.390	91	85968	32.476	ug/L	100
44) trans-1,3-Dichloropropene	10.603	75	31096	44.611	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	22735	55.020	ug/L	92
46) Tetrachloroethene	10.859	164	53119	88.010	ug/L	88
48) 2-Hexanone	10.969	43	34710	173.998	ug/L #	91
49) Dibromochloromethane	11.128	129	24053	47.218	ug/L	98
50) 1,2-Dibromoethane	11.237	107	22700	55.202	ug/L #	95
51) Chlorobenzene	11.658	112	37372	21.088	ug/L	91
52) Ethylbenzene	11.731	91	66349	21.934	ug/L	100
53) m,p-Xylene	11.835	106	24198	19.830	ug/L	96
54) o-Xylene	12.164	106	24621	21.260	ug/L	86
55) Styrene	12.182	104	29262	14.846	ug/L	90
57) 1,1,2,2-Tetrachloroethane	12.713	83	26123	55.149	ug/L #	98
59) Bromoform	12.353	173	13076	101.878	ug/L	95
60) Isopropylbenzene	12.463	105	58700	40.048	ug/L	97
61) 1,2,3-Trichloropropane	12.768	75	21395	136.281	ug/L	93
62) 1,3,5-Trimethylbenzene	12.938	105	37691	30.219	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	33238	27.014	ug/L	95
64) 1,3-Dichlorobenzene	13.499	146	13220	19.122	ug/L	94
65) 1,4-Dichlorobenzene	13.578	146	14016	20.405	ug/L	96
67) 1,2-Dichlorobenzene	13.871	146	13387	21.994	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.481	75	3375	104.225	ug/L #	83
69) 1,3,5-Trichlorobenzene	14.627	180	5974	11.561	ug/L	95
70) 1,2,4-trichlorobenzene	15.127	180	3625	8.722	ug/L	99
71) Naphthalene	15.365	128	8629	12.779	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	3468	10.096	ug/L	97

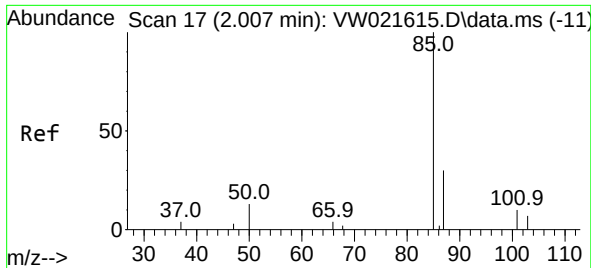
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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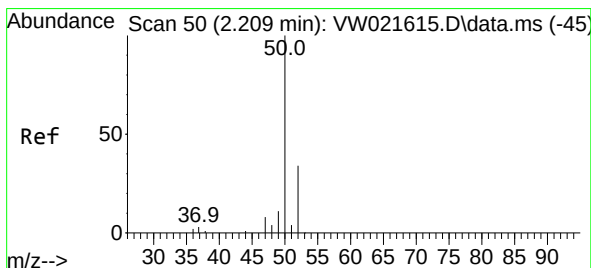
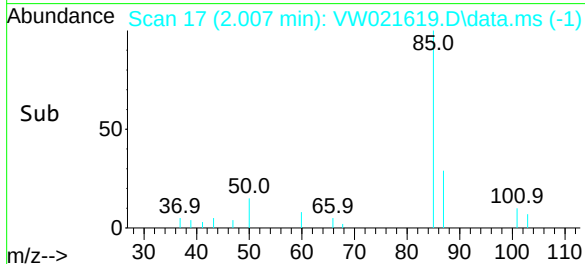
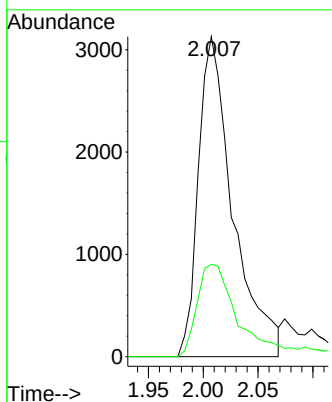
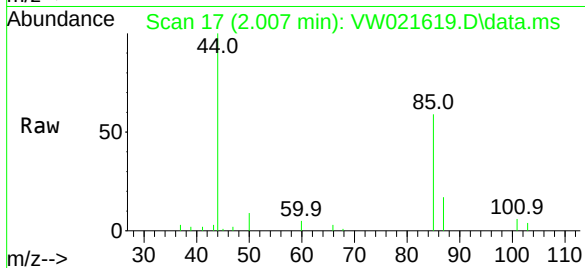




#2
 Dichlorodifluoromethane
 Concen: 28.060 ug/L
 RT: 2.007 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW021619.D
 Acq: 23 Dec 2021 18:17

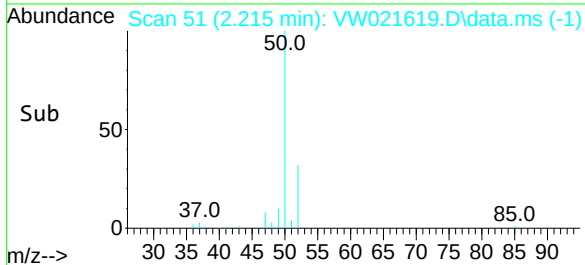
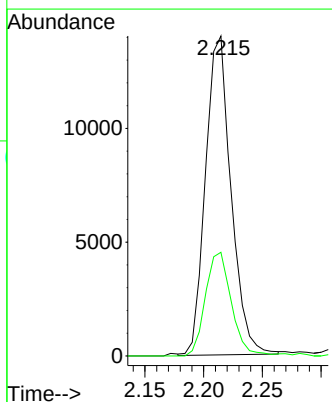
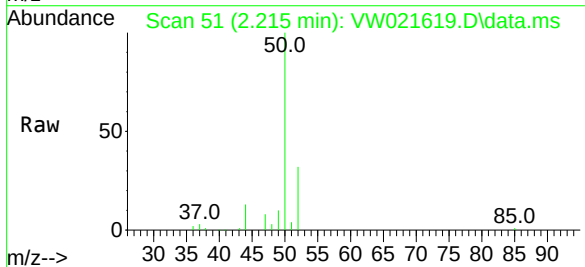
Instrument :
 MSVOA_W
 ClientSampleId :
 GBC20MSD

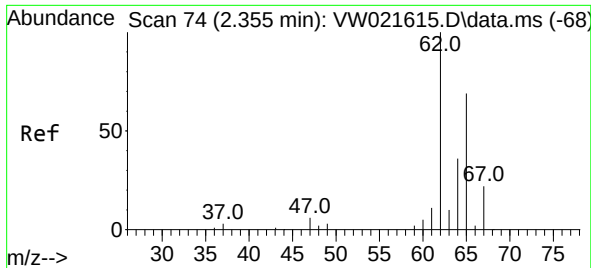
Tgt Ion: 85 Resp: 6861
 Ion Ratio Lower Upper
 85 100
 87 34.0 25.8 38.6



#3
 Chloromethane
 Concen: 26.199 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VW021619.D
 Acq: 23 Dec 2021 18:17

Tgt Ion: 50 Resp: 21208
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.4 43.6

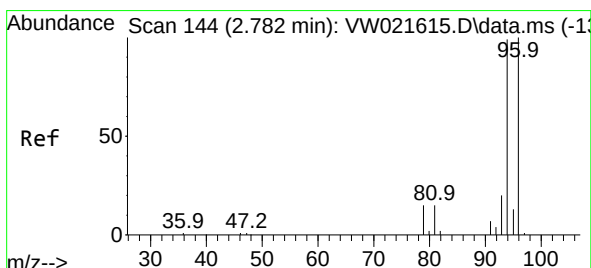
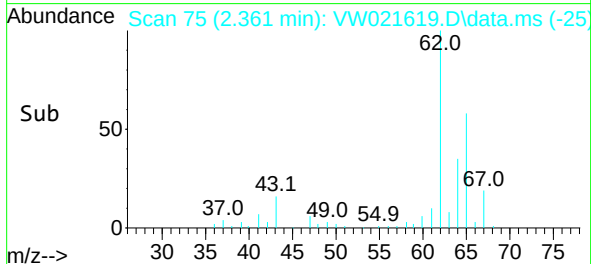
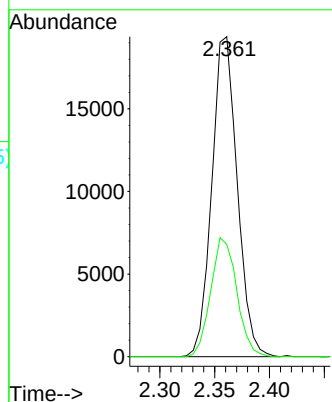
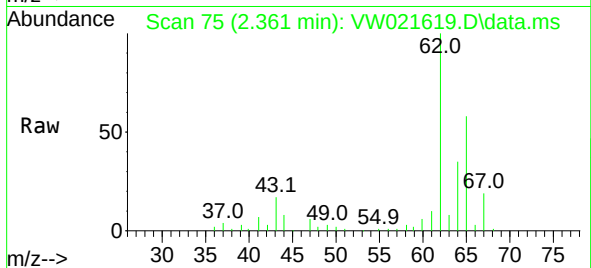




#5
 Vinyl chloride
 Concen: 24.597 ug/L
 RT: 2.361 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VW021619.D
 Acq: 23 Dec 2021 18:17

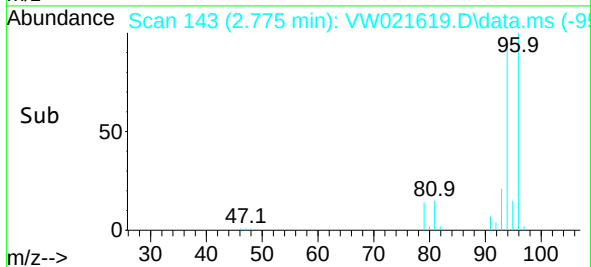
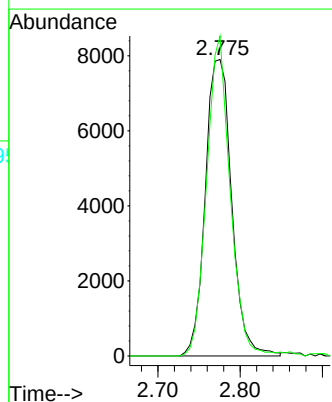
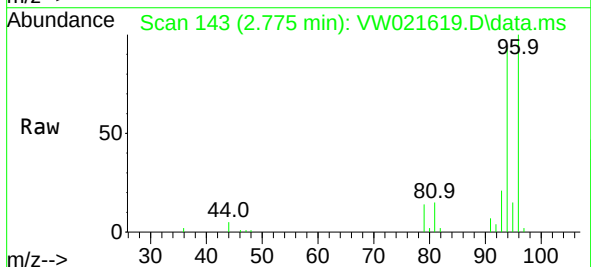
Instrument :
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 ClientSampleId :
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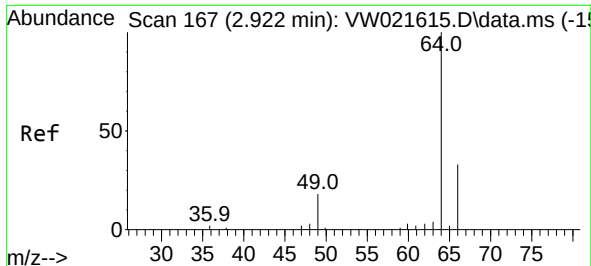
Tgt Ion: 62 Resp: 31258
 Ion Ratio Lower Upper
 62 100
 64 35.1 24.4 45.2



#6
 Bromomethane
 Concen: 21.400 ug/L
 RT: 2.775 min Scan# 143
 Delta R.T. -0.006 min
 Lab File: VW021619.D
 Acq: 23 Dec 2021 18:17

Tgt Ion: 94 Resp: 17639
 Ion Ratio Lower Upper
 94 100
 96 107.9 64.8 120.4

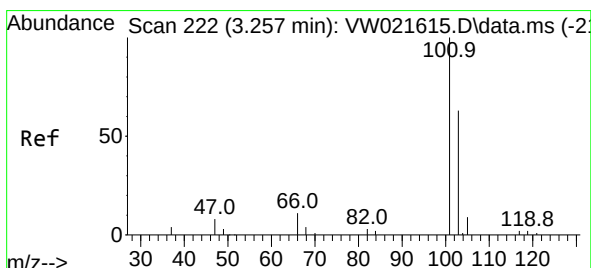
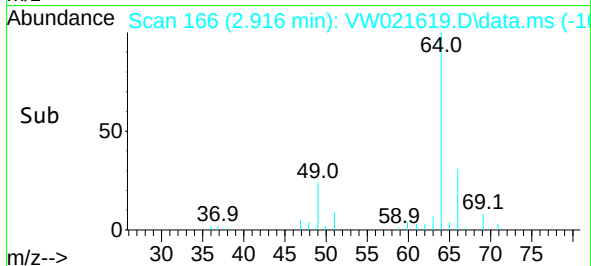
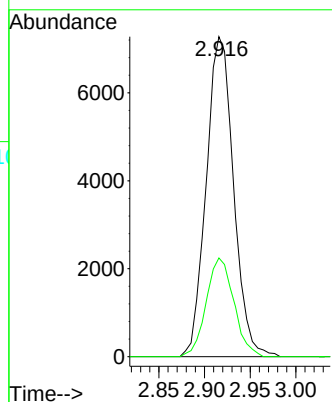
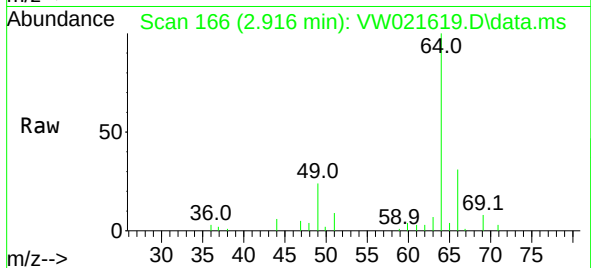




#8
Chloroethane
Concen: 25.869 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.006 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

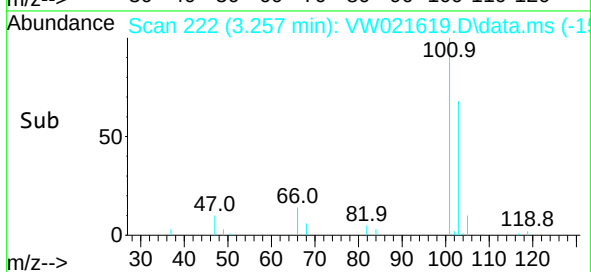
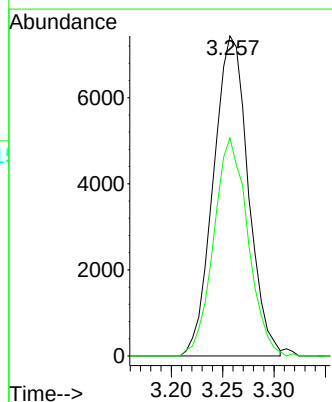
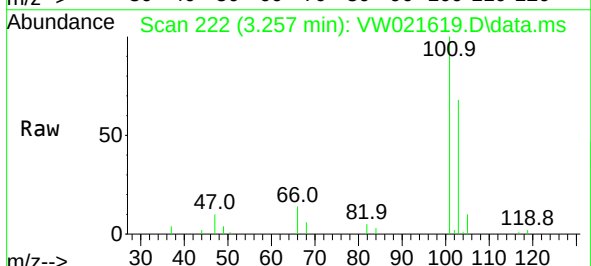
Instrument :
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GBC20MSD

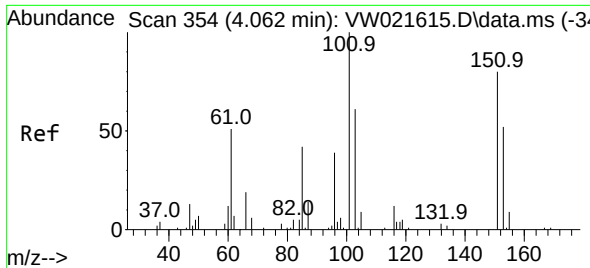
Tgt Ion: 64 Resp: 15145
Ion Ratio Lower Upper
64 100
66 30.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 26.110 ug/L
RT: 3.257 min Scan# 222
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

Tgt Ion:101 Resp: 17507
Ion Ratio Lower Upper
101 100
103 66.8 51.4 77.2

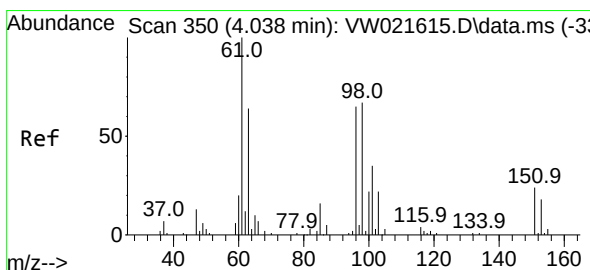
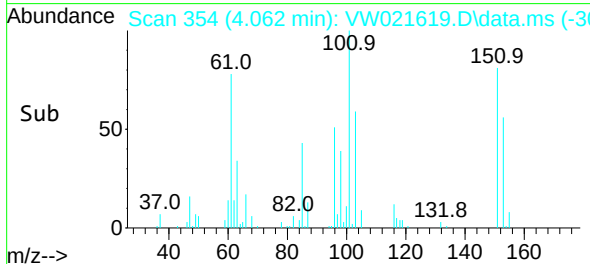
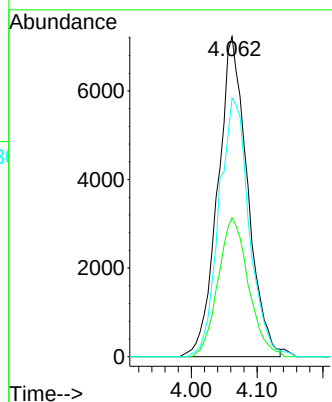
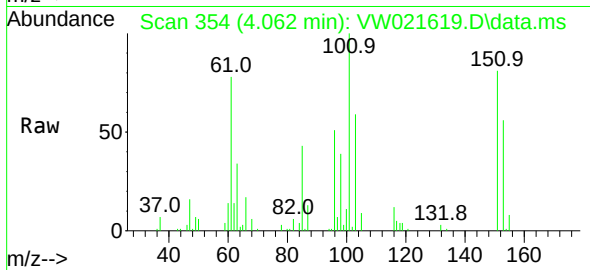




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.944 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VW021619.D
 Acq: 23 Dec 2021 18:17

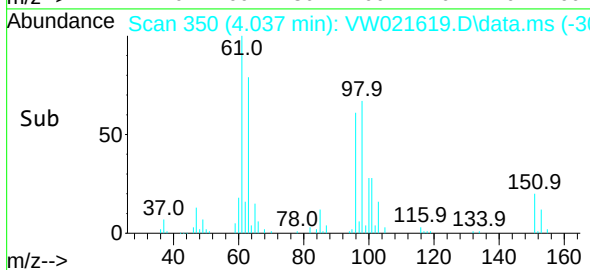
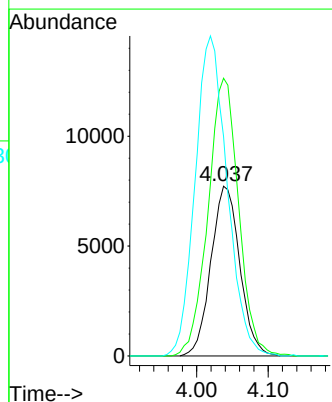
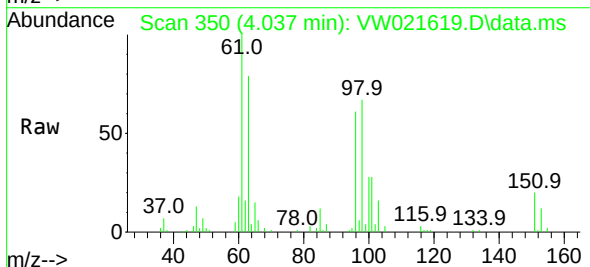
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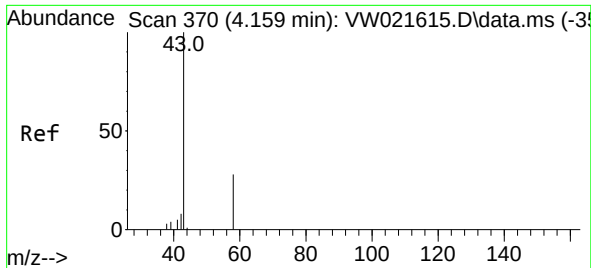
Tgt Ion:101	Resp:	22671
Ion	Ratio	Lower Upper
101	100	
85	44.3	36.6 54.8
151	82.1	57.4 86.0



#12
 1,1-Dichloroethene
 Concen: 27.609 ug/L
 RT: 4.037 min Scan# 350
 Delta R.T. -0.000 min
 Lab File: VW021619.D
 Acq: 23 Dec 2021 18:17

Tgt Ion: 96	Resp:	21657
Ion	Ratio	Lower Upper
96	100	
61	163.6	138.3 256.9
63	129.2	82.6 153.4





#13

Acetone

Concen: 138.337 ug/L

RT: 4.123 min Scan# 3

Delta R.T. -0.037 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Instrument :

MSVOA_W

ClientSampleId :

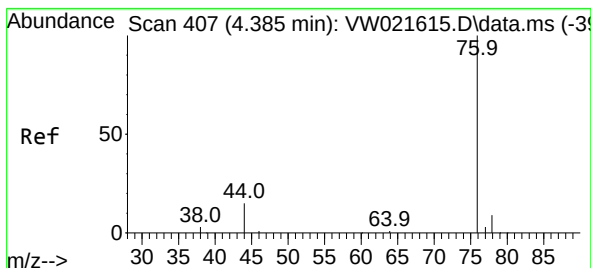
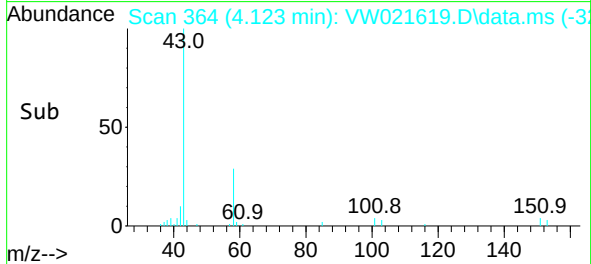
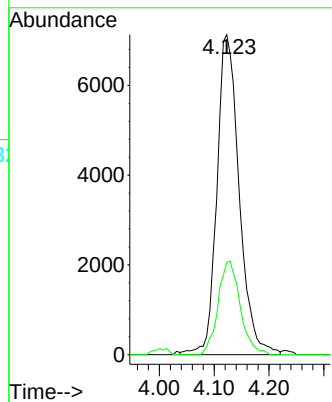
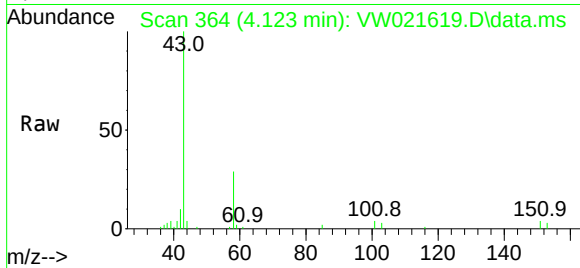
GBC20MSD

Tgt Ion: 43 Resp: 20148

Ion Ratio Lower Upper

43 100

58 29.1 0.0 52.8



#14

Carbon disulfide

Concen: 20.416 ug/L

RT: 4.385 min Scan# 407

Delta R.T. -0.000 min

Lab File: VW021619.D

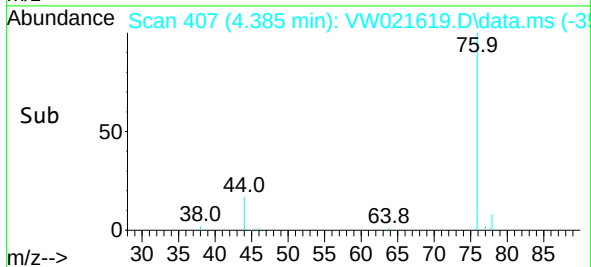
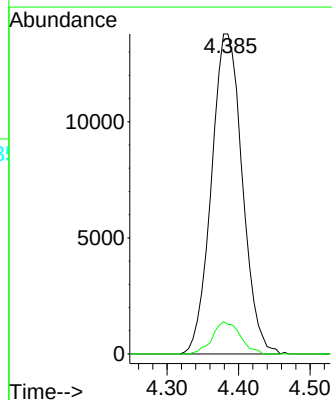
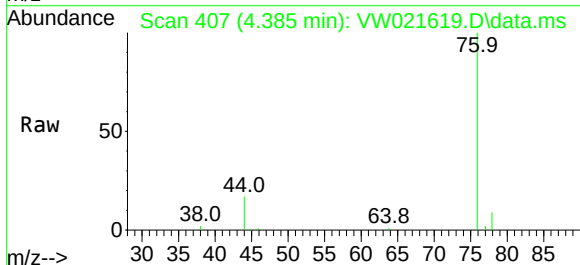
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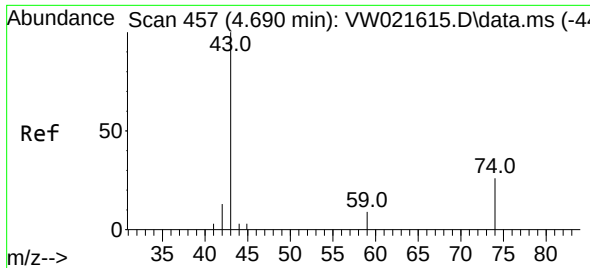
Tgt Ion: 76 Resp: 41358

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

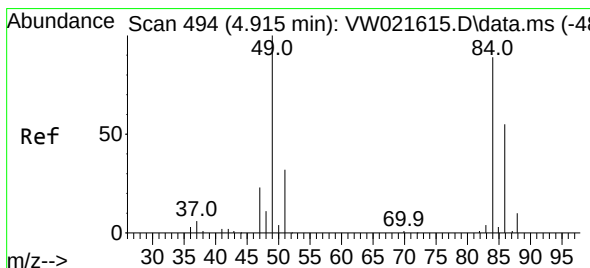
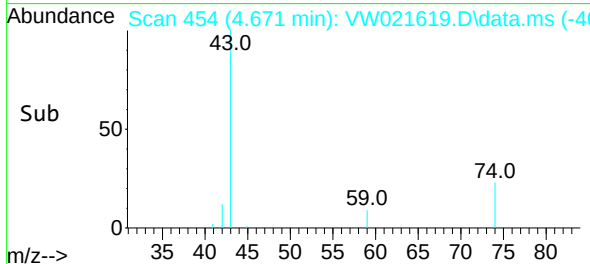
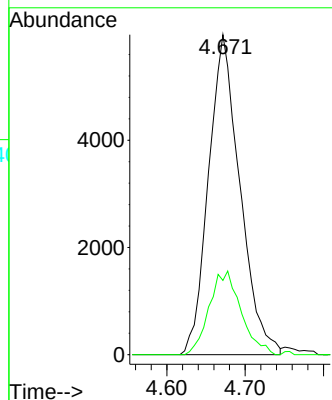
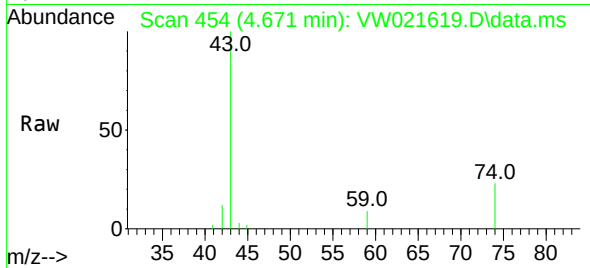




#15
Methyl Acetate
Concen: 66.291 ug/L
RT: 4.671 min Scan# 41
Delta R.T. -0.018 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

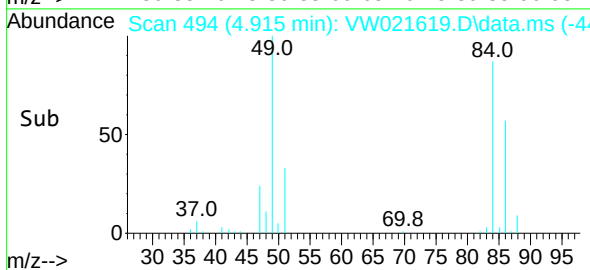
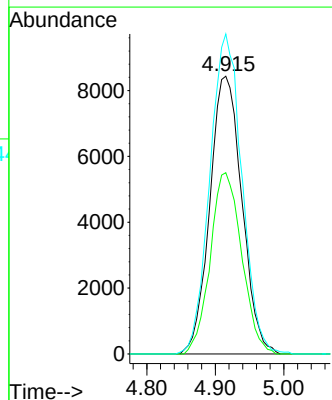
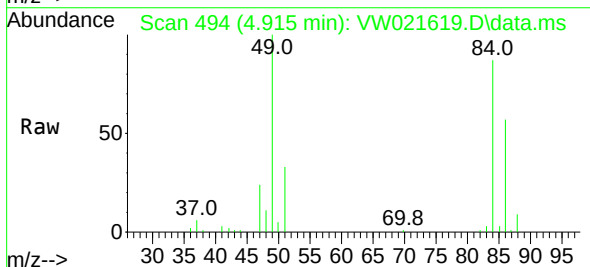
Instrument :
MSVOA_W
ClientSampleId :
GBC20MSD

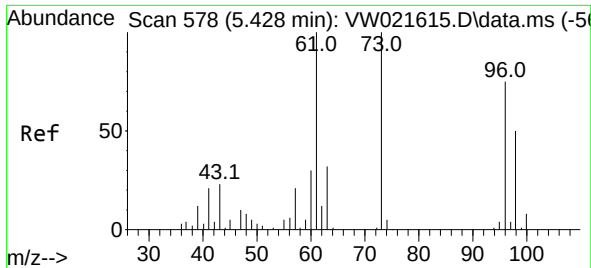
Tgt Ion: 43 Resp: 16659
Ion Ratio Lower Upper
43 100
74 26.4 16.4 24.6#



#16
Methylene chloride
Concen: 26.234 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

Tgt Ion: 84 Resp: 27432
Ion Ratio Lower Upper
84 100
86 65.2 45.5 84.5
49 115.2 100.5 186.7

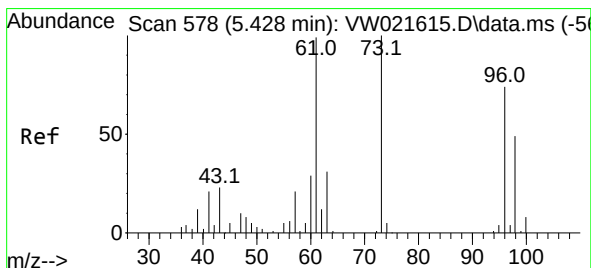
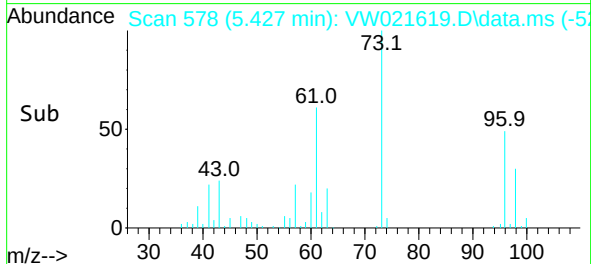
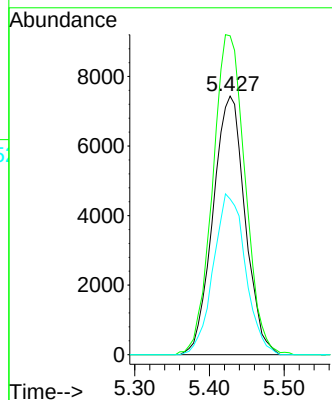
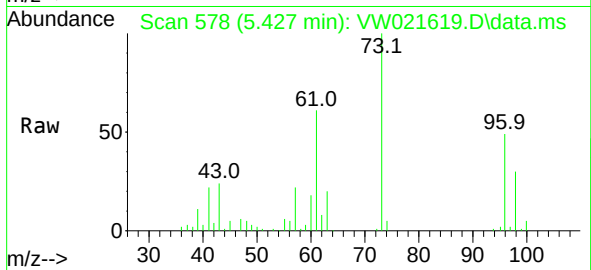




#17
trans-1,2-Dichloroethene
Concen: 26.151 ug/L
RT: 5.427 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

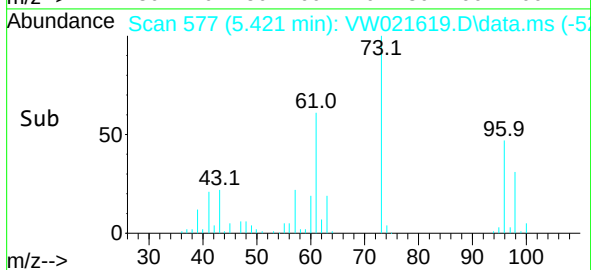
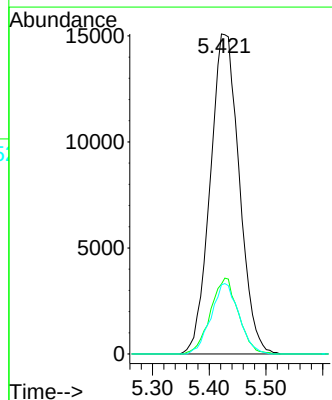
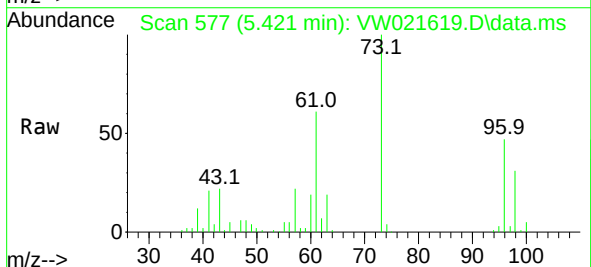
Instrument :
MSVOA_W
ClientSampleId :
GBC20MSD

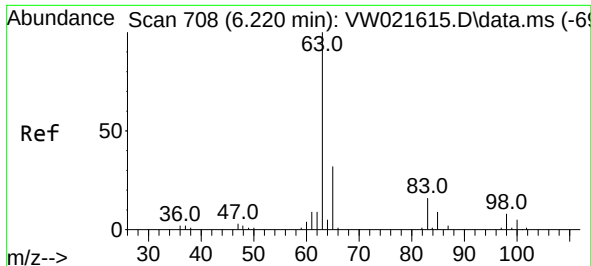
Tgt Ion: 96 Resp: 22211
Ion Ratio Lower Upper
96 100
61 123.3 107.4 199.4
98 60.2 41.2 76.6



#18
Methyl tert-butyl Ether
Concen: 45.741 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

Tgt Ion: 73 Resp: 53655
Ion Ratio Lower Upper
73 100
43 22.7 19.5 29.3
57 21.1 19.3 28.9





#19

1,1-Dichloroethane

Concen: 30.971 ug/L

RT: 6.220 min Scan# 708

Delta R.T. -0.000 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Instrument :

MSVOA_W

ClientSampleId :

GBC20MSD

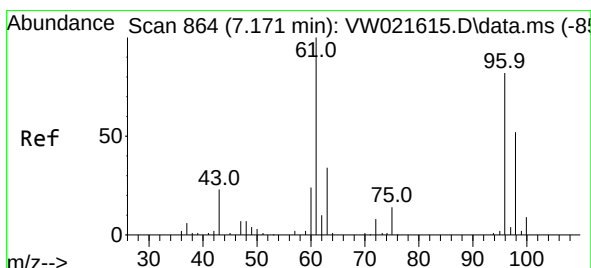
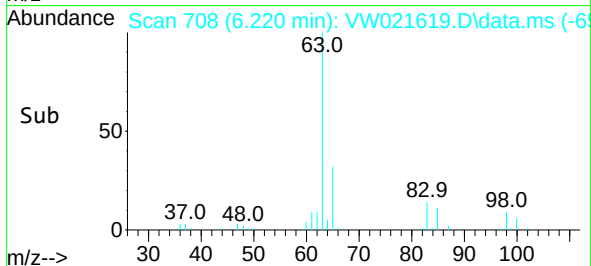
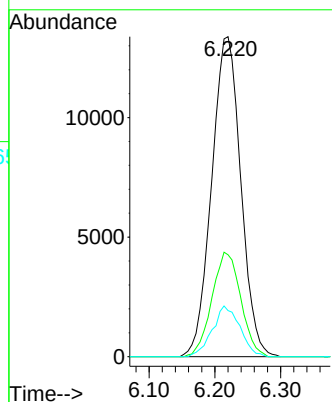
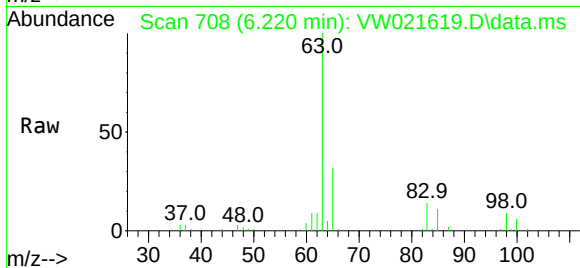
Tgt Ion: 63 Resp: 41278

Ion Ratio Lower Upper

63 100

65 31.9 22.1 41.1

83 14.4 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 28.477 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.006 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

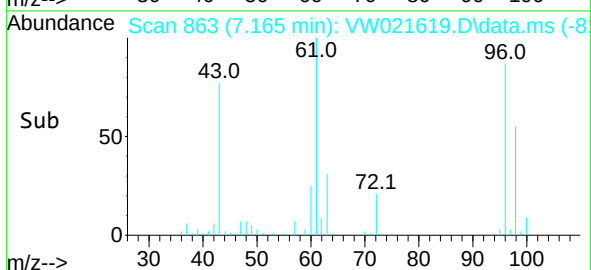
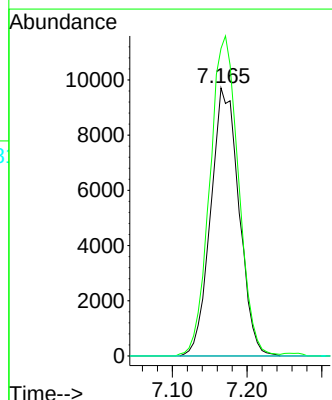
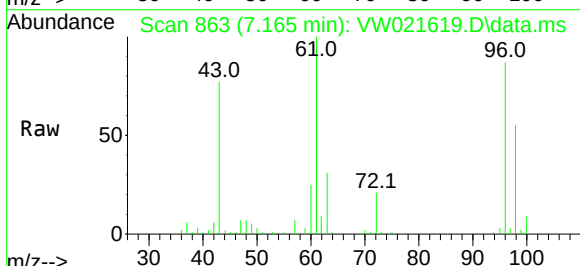
Tgt Ion: 96 Resp: 25511

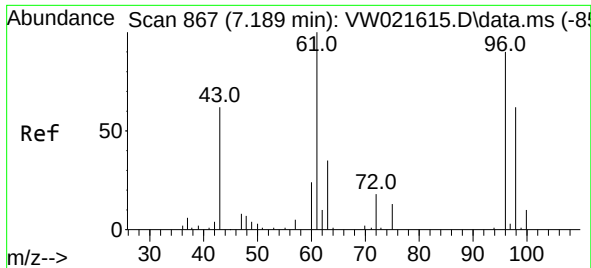
Ion Ratio Lower Upper

96 100

61 114.7 103.7 192.7

68 0.0 0.0 0.0

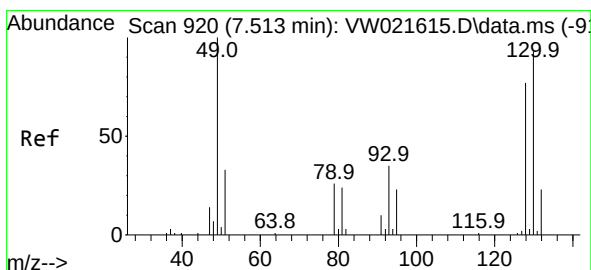
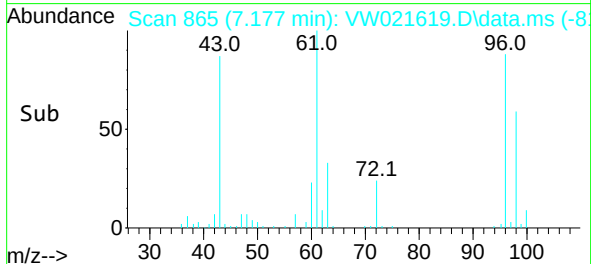
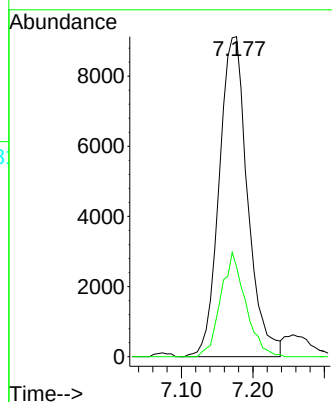
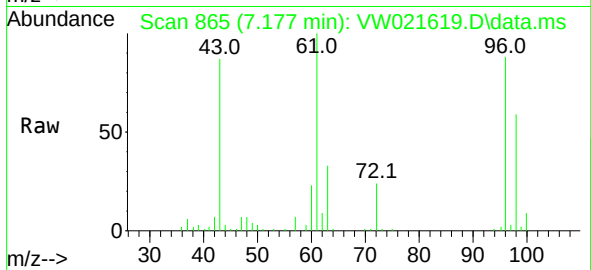




#22
2-Butanone
Concen: 132.433 ug/L
RT: 7.177 min Scan# 865
Delta R.T. -0.012 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

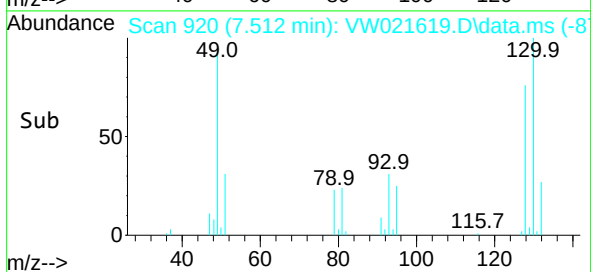
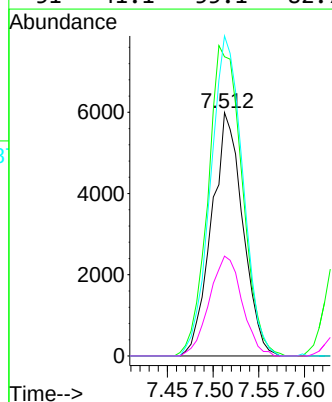
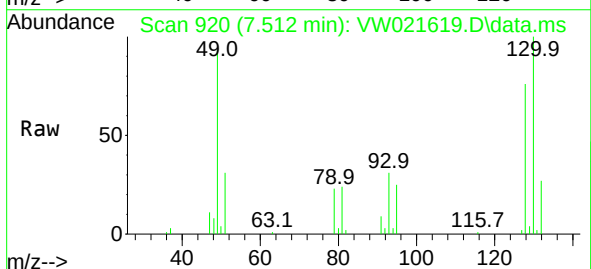
Instrument :
MSVOA_W
ClientSampleId :
GBC20MSD

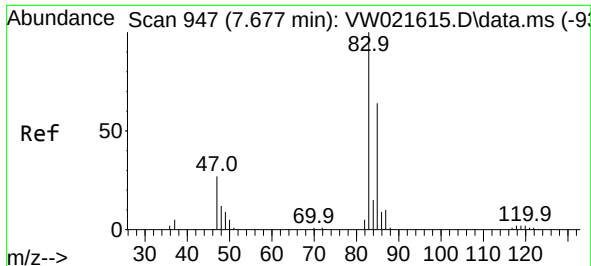
Tgt Ion: 43 Resp: 25189
Ion Ratio Lower Upper
43 100
72 28.6 11.8 35.4



#23
Bromochloromethane
Concen: 33.946 ug/L
RT: 7.512 min Scan# 920
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

Tgt Ion: 128 Resp: 14219
Ion Ratio Lower Upper
128 100
49 123.0 150.3 279.1#
130 131.5 88.3 163.9
51 41.1 55.1 82.7#

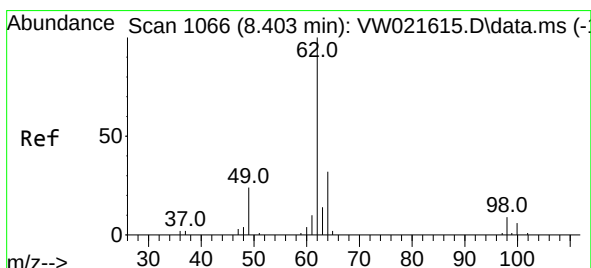
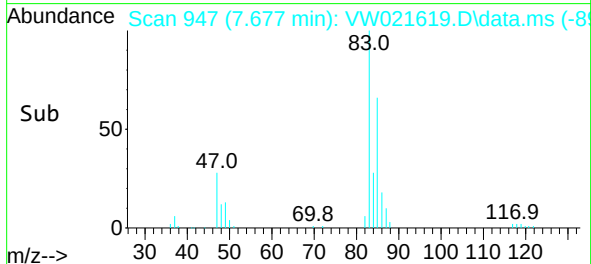
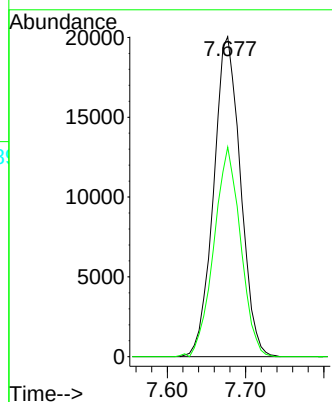
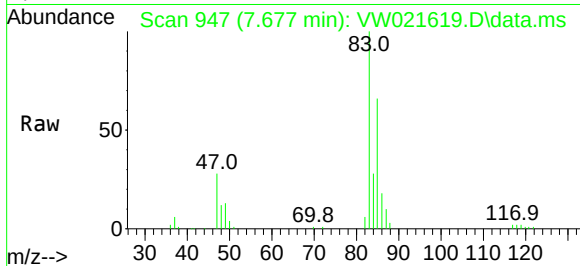




#25
Chloroform
Concen: 30.856 ug/L
RT: 7.677 min Scan# 947
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

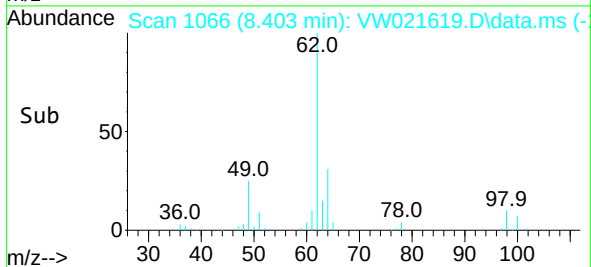
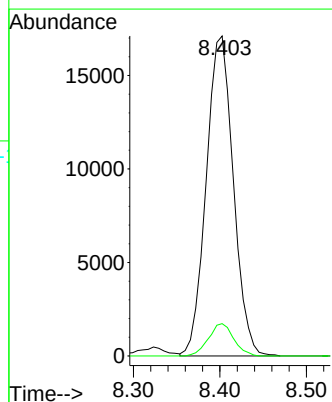
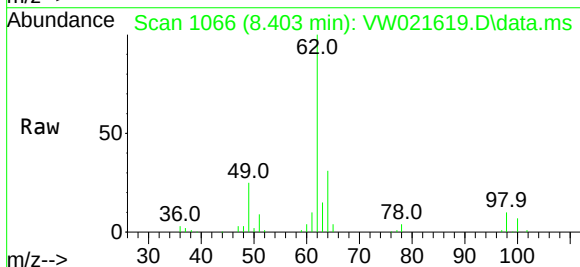
Instrument :
MSVOA_W
ClientSampleId :
GBC20MSD

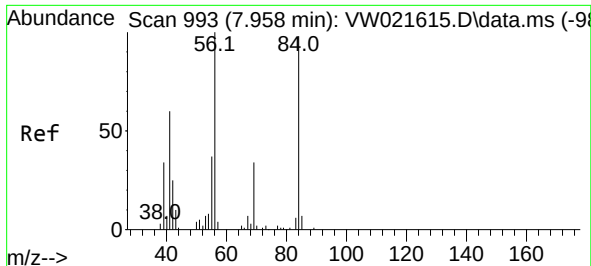
Tgt Ion: 83 Resp: 47739
Ion Ratio Lower Upper
83 100
85 65.5 45.1 83.7



#27
1,2-Dichloroethane
Concen: 38.014 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

Tgt Ion: 62 Resp: 37245
Ion Ratio Lower Upper
62 100
98 10.1 6.5 9.7#





#29

Cyclohexane

Concen: 28.833 ug/L

RT: 7.951 min Scan# 993

Delta R.T. -0.006 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Instrument :

MSVOA_W

ClientSampleId :

GBC20MSD

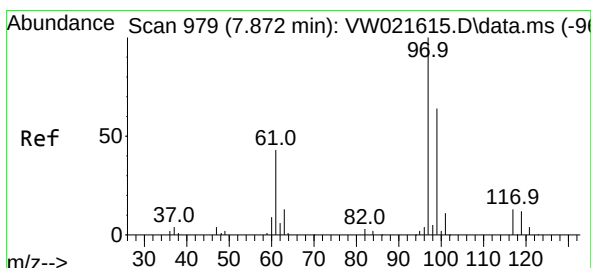
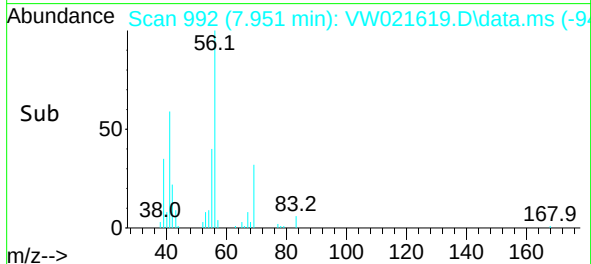
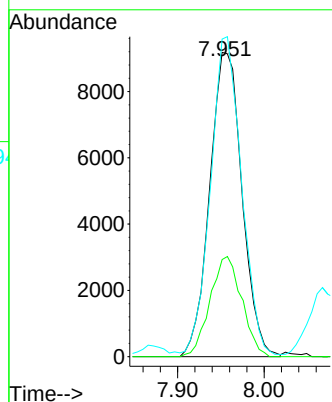
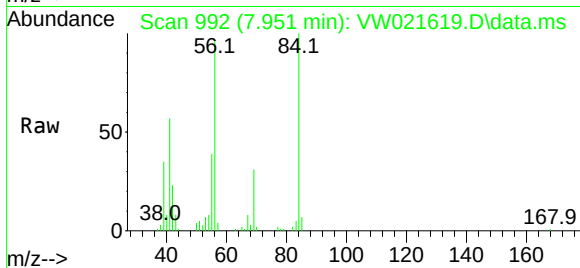
Tgt Ion: 56 Resp: 23844

Ion Ratio Lower Upper

56 100

69 32.2 23.5 35.3

84 101.0 63.4 95.2#



#30

1,1,1-Trichloroethane

Concen: 40.587 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

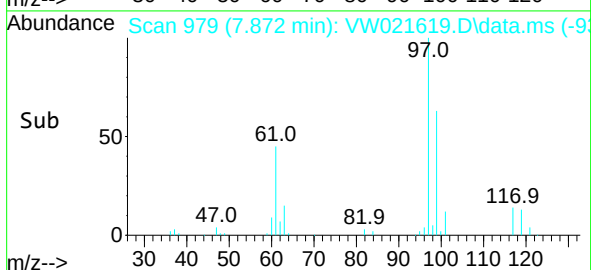
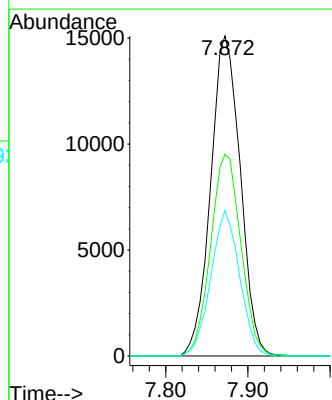
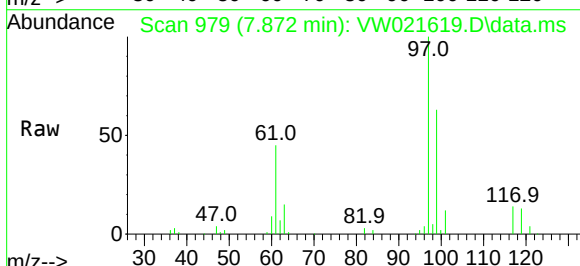
Tgt Ion: 97 Resp: 37836

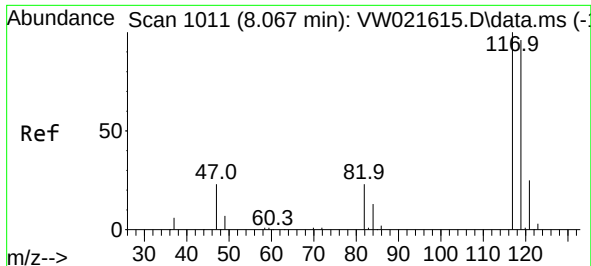
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 44.1 40.9 61.3

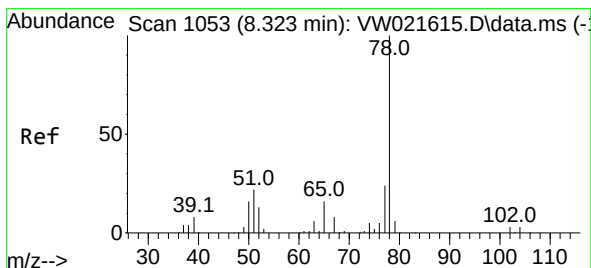
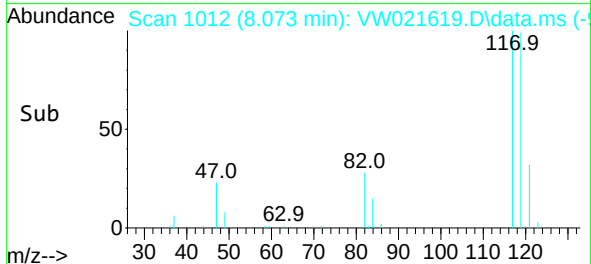
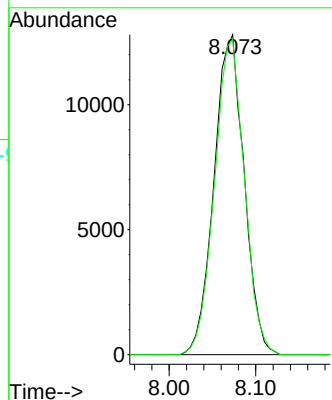
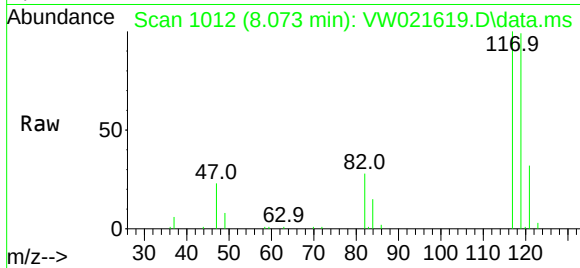




#31
Carbon tetrachloride
Concen: 35.977 ug/L
RT: 8.073 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

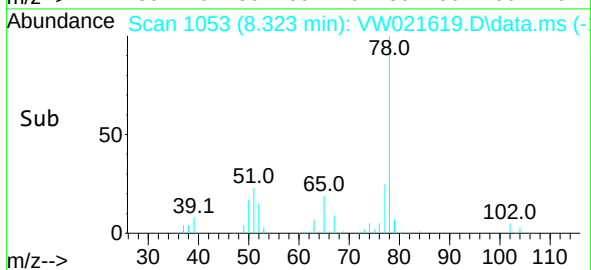
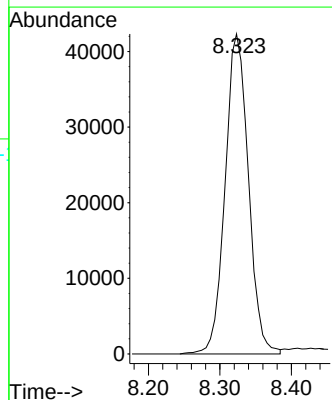
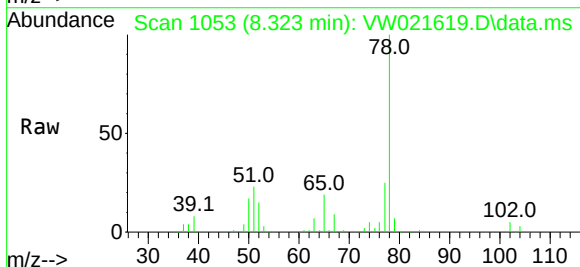
Instrument :
MSVOA_W
ClientSampleId :
GBC20MSD

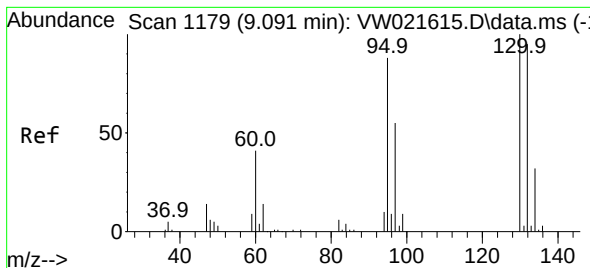
Tgt Ion:117 Resp: 30939
Ion Ratio Lower Upper
117 100
119 97.9 75.7 113.5



#33
Benzene
Concen: 42.316 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

Tgt Ion: 78 Resp: 95775





#34

Trichloroethene

Concen: 49.407 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Instrument :

MSVOA_W

ClientSampleId :

GBC20MSD

Tgt Ion: 95 Resp: 31391

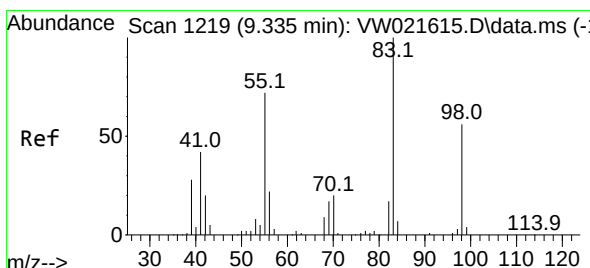
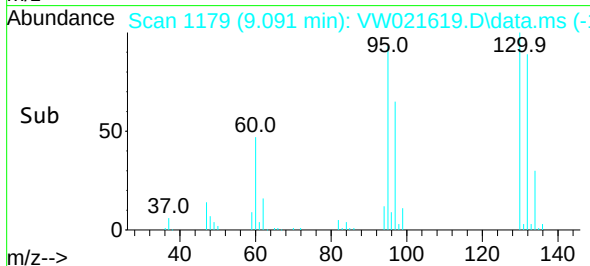
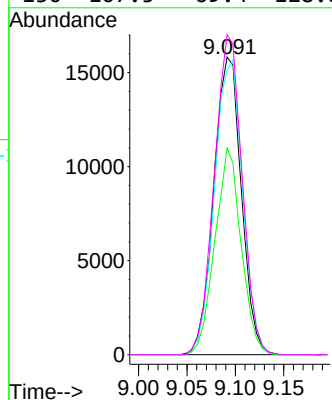
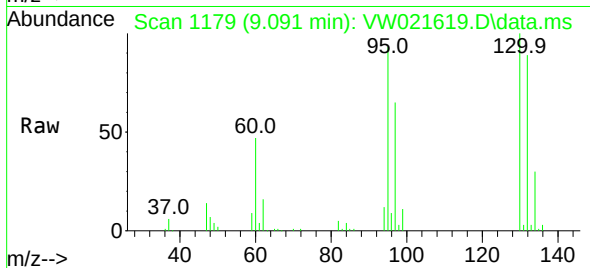
Ion Ratio Lower Upper

95 100

97 69.5 47.0 87.2

132 95.6 65.5 121.6

130 107.5 69.4 128.8



#35

Methylcyclohexane

Concen: 20.267 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

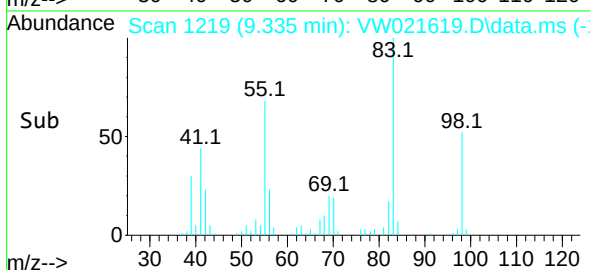
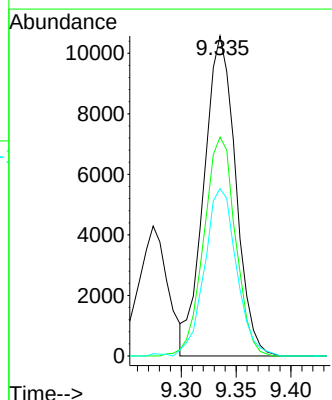
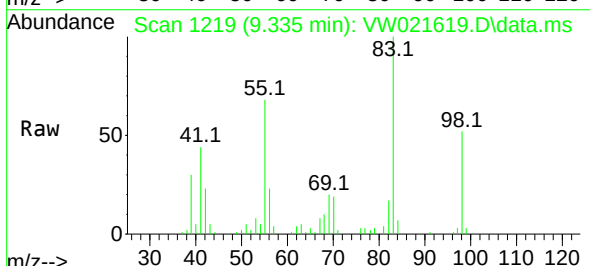
Tgt Ion: 83 Resp: 21241

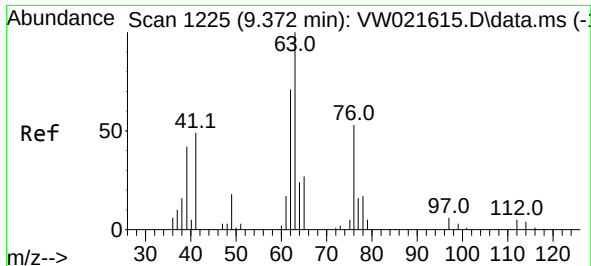
Ion Ratio Lower Upper

83 100

55 68.3 70.8 106.2#

98 52.8 37.7 56.5





#37

1,2-Dichloropropane

Concen: 43.811 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Instrument :

MSVOA_W

ClientSampleId :

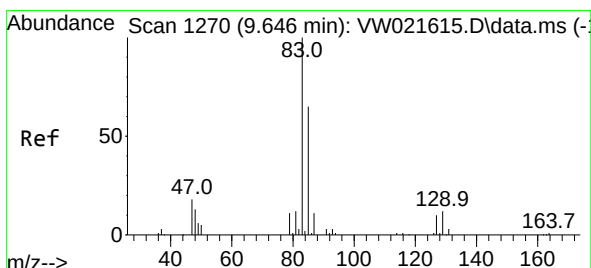
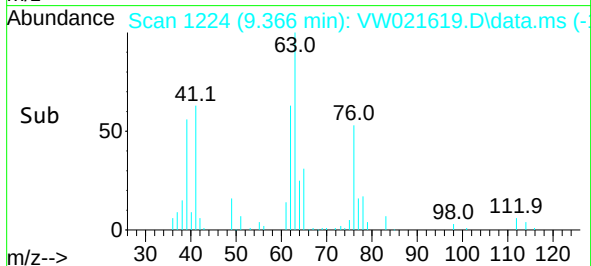
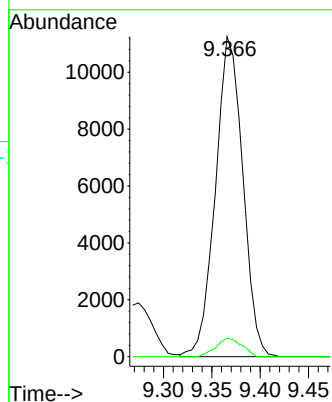
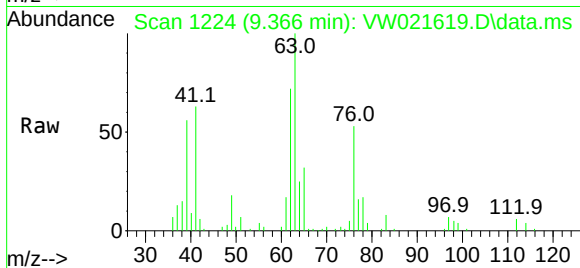
GBC20MSD

Tgt Ion: 63 Resp: 22118

Ion Ratio Lower Upper

63 100

112 5.5 3.2 4.8#



#38

Bromodichloromethane

Concen: 46.836 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

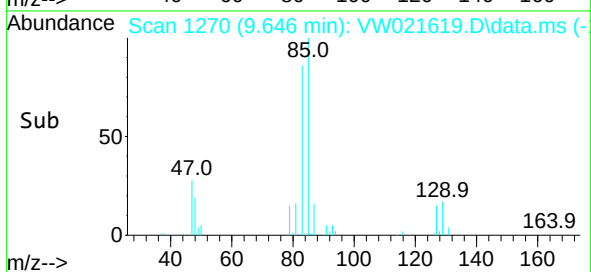
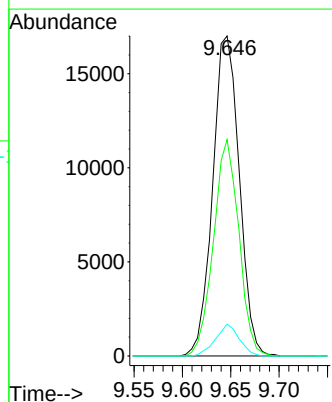
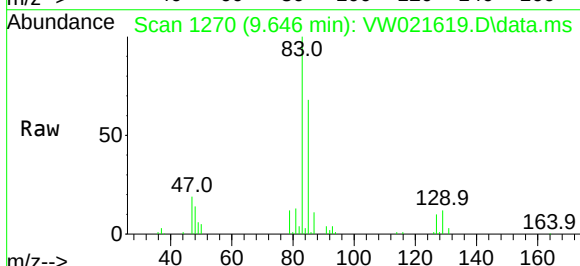
Tgt Ion: 83 Resp: 32511

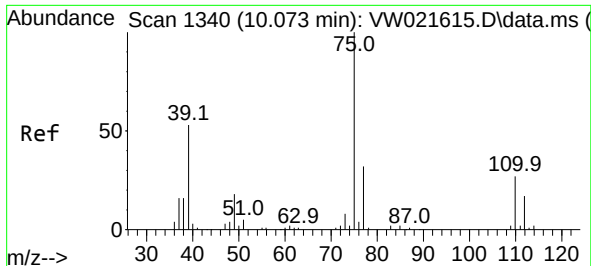
Ion Ratio Lower Upper

83 100

85 67.6 44.1 81.9

127 9.9 6.1 9.1#





#39

cis-1,3-Dichloropropene

Concen: 41.862 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Instrument :

MSVOA_W

ClientSampleId :

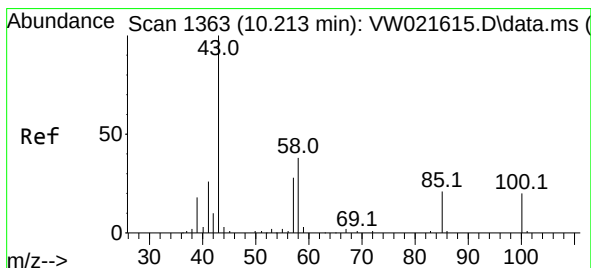
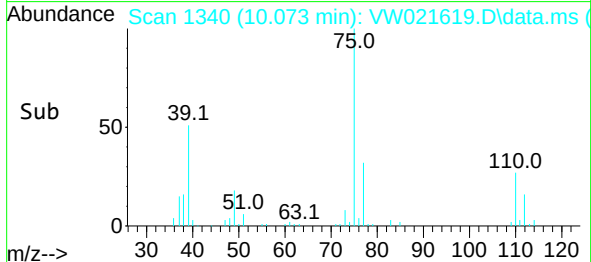
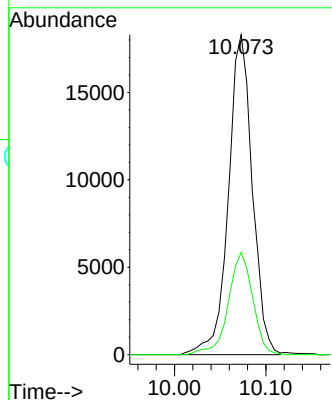
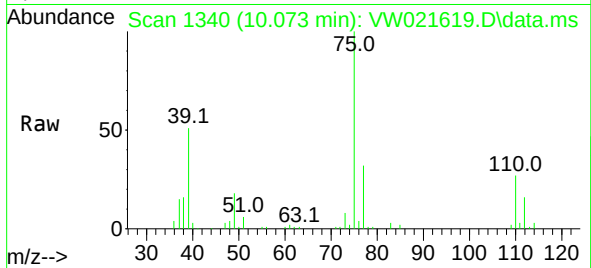
GBC20MSD

Tgt Ion: 75 Resp: 33315

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 184.218 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.006 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

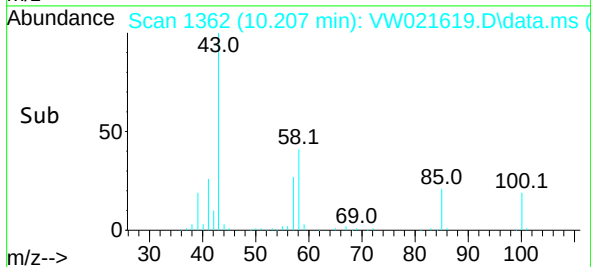
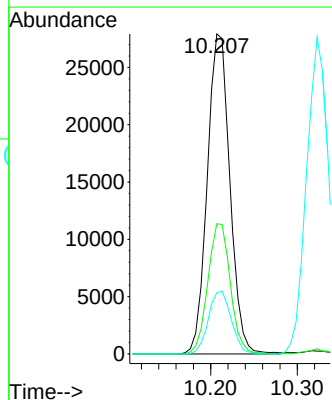
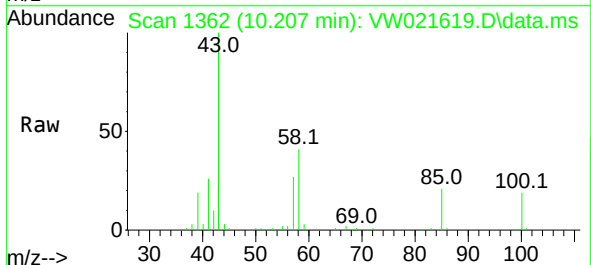
Tgt Ion: 43 Resp: 50675

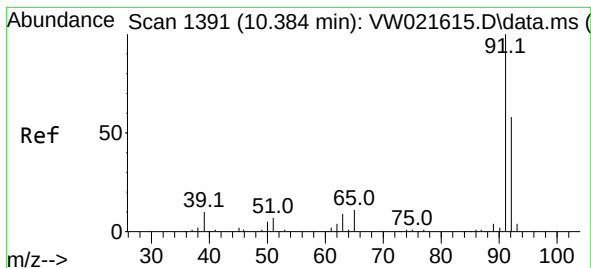
Ion Ratio Lower Upper

43 100

58 40.5 28.8 43.2

100 19.8 10.0 15.0#





#42

Toluene

Concen: 32.476 ug/L

RT: 10.390 min Scan# 1391

Delta R.T. 0.006 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Instrument :

MSVOA_W

ClientSampleId :

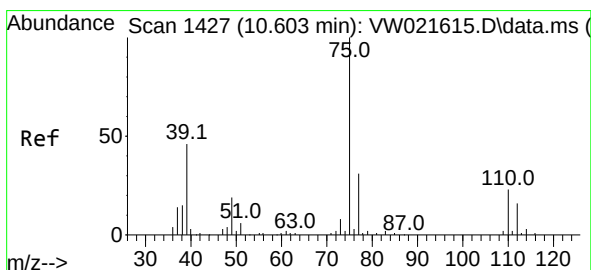
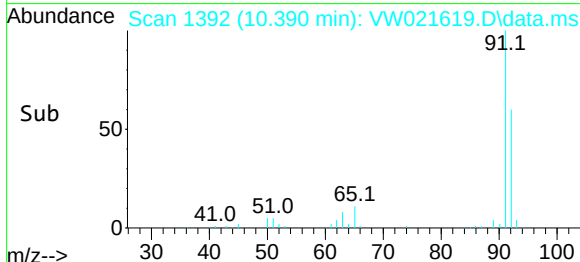
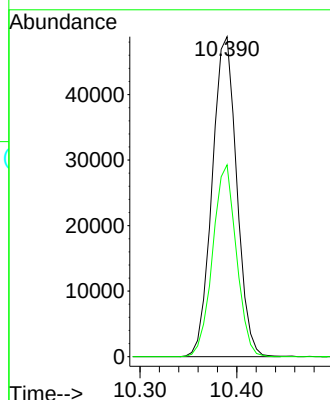
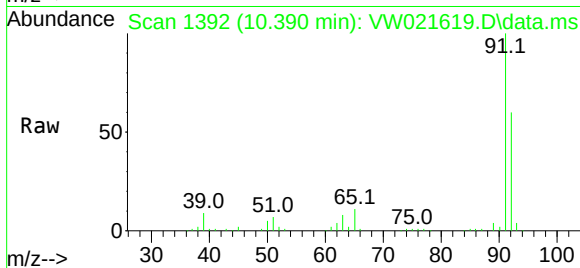
GBC20MSD

Tgt Ion: 91 Resp: 85968

Ion Ratio Lower Upper

91 100

92 59.9 41.7 77.5



#44

trans-1,3-Dichloropropene

Concen: 44.611 ug/L

RT: 10.603 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VW021619.D

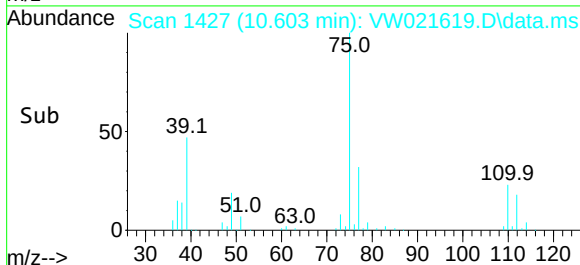
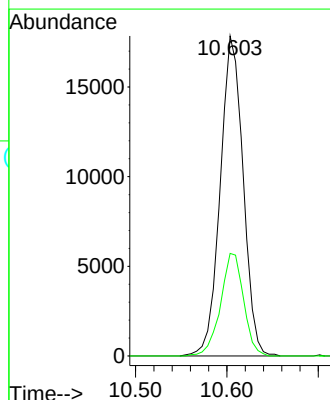
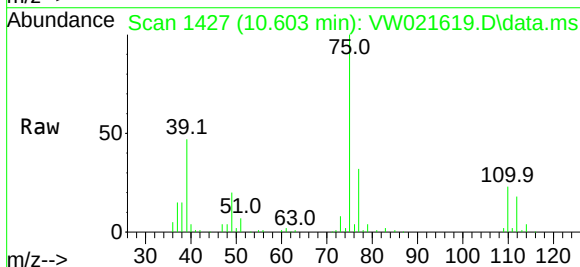
Acq: 23 Dec 2021 18:17

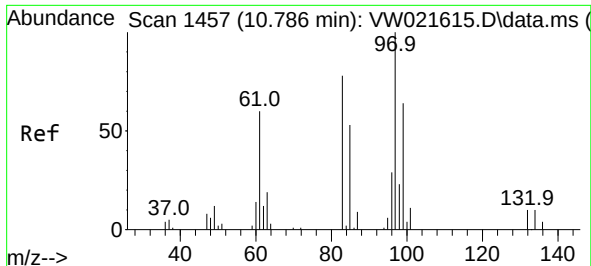
Tgt Ion: 75 Resp: 31096

Ion Ratio Lower Upper

75 100

77 32.0 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 55.020 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Instrument :

MSVOA_W

ClientSampleId :

GBC20MSD

Tgt Ion: 97 Resp: 22735

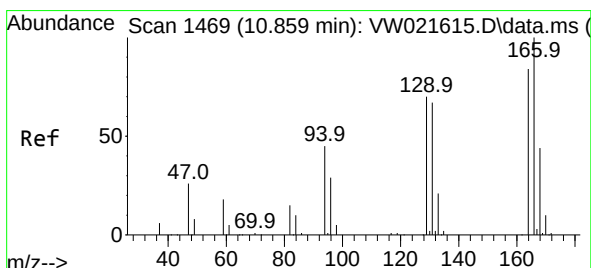
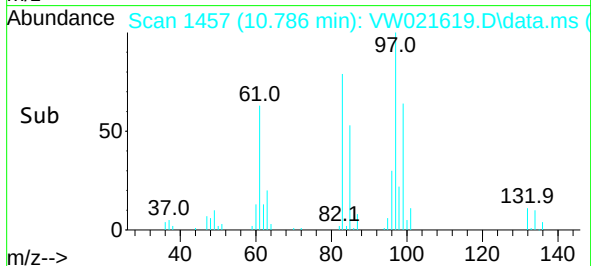
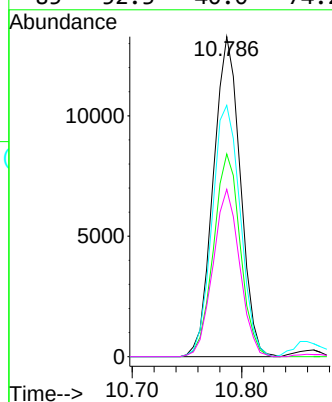
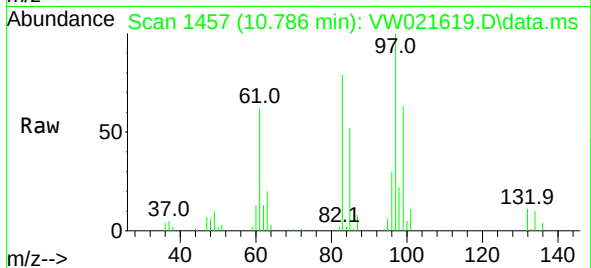
Ion Ratio Lower Upper

97 100

99 63.4 43.0 79.8

83 78.5 62.6 116.3

85 52.3 40.0 74.2



#46

Tetrachloroethene

Concen: 88.010 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.000 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Tgt Ion:164 Resp: 53119

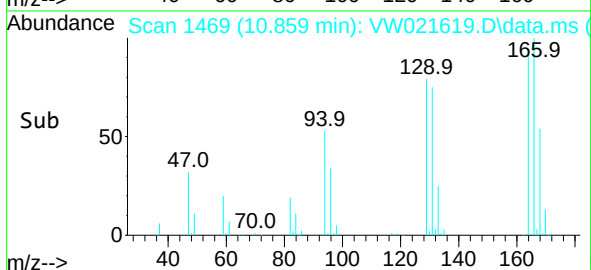
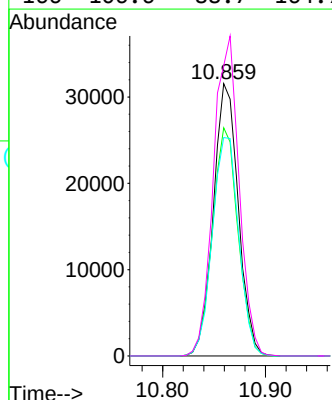
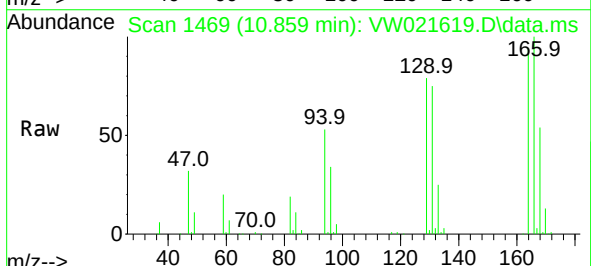
Ion Ratio Lower Upper

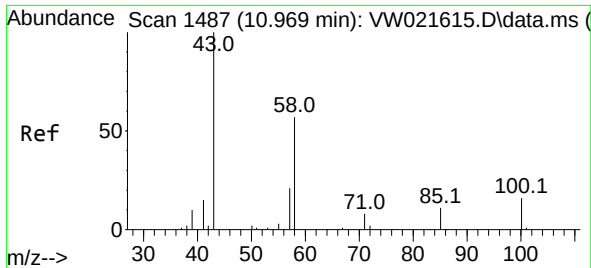
164 100

129 83.8 65.5 121.7

131 80.2 59.7 110.9

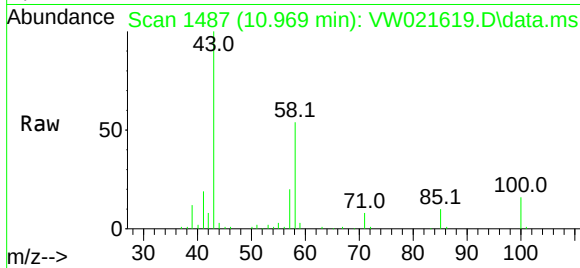
166 106.6 88.7 164.7



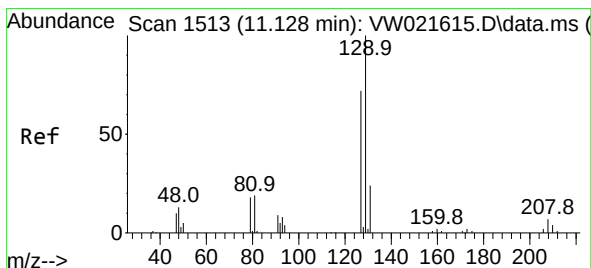
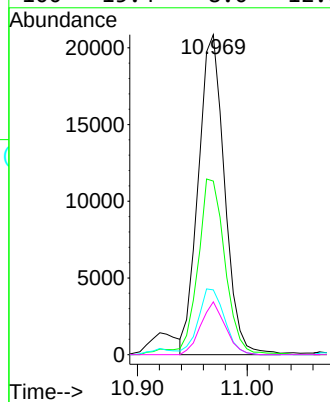
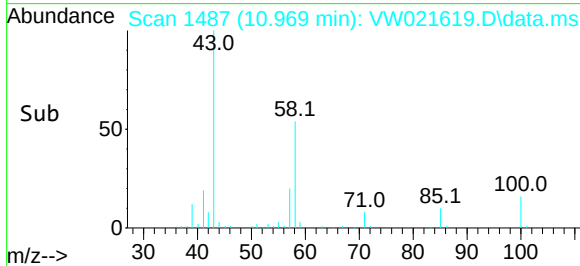


#48
2-Hexanone
Concen: 173.998 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

Instrument :
MSVOA_W
ClientSampleId :
GBC20MSD

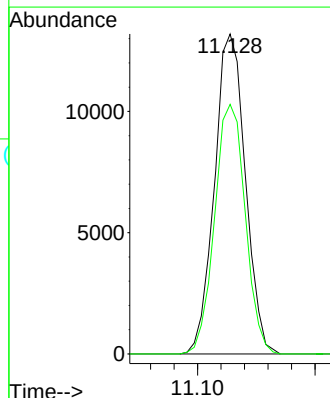
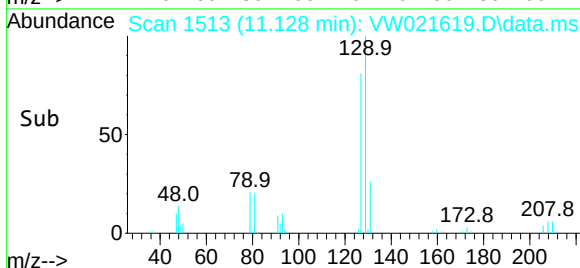
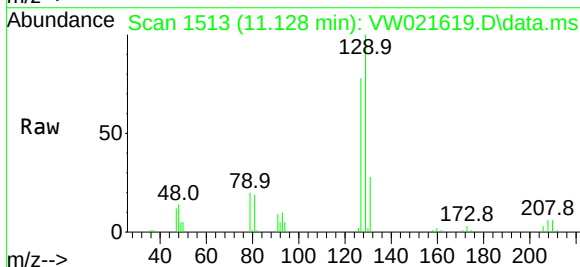


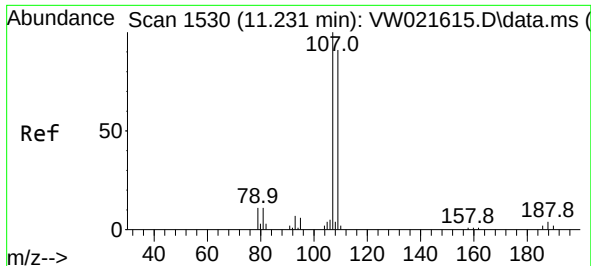
Tgt Ion: 43 Resp: 34710
Ion Ratio Lower Upper
43 100
58 56.3 40.2 60.2
57 20.5 14.3 21.5
100 15.4 8.0 12.0#



#49
Dibromochloromethane
Concen: 47.218 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

Tgt Ion: 129 Resp: 24053
Ion Ratio Lower Upper
129 100
127 78.0 55.7 103.5





#50

1,2-Dibromoethane

Concen: 55.202 ug/L

RT: 11.237 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Instrument :

MSVOA_W

ClientSampleId :

GBC20MSD

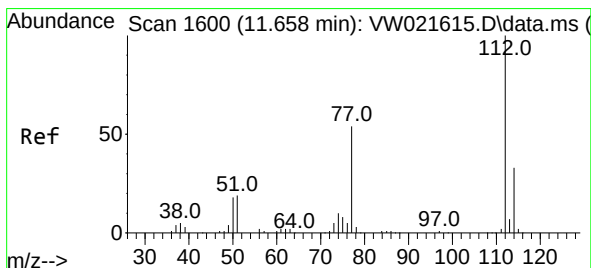
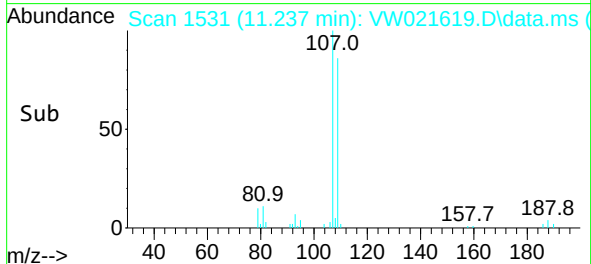
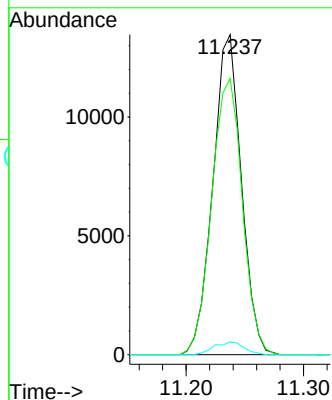
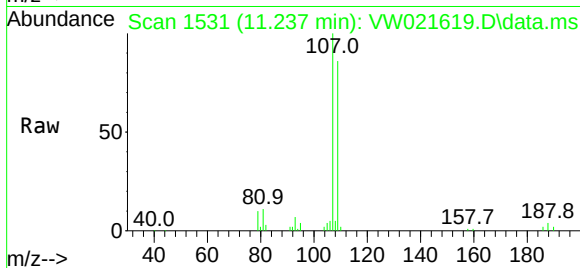
Tgt Ion:107 Resp: 22700

Ion Ratio Lower Upper

107 100

109 86.3 64.1 119.1

188 4.0 2.6 3.8#



#51

Chlorobenzene

Concen: 21.088 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

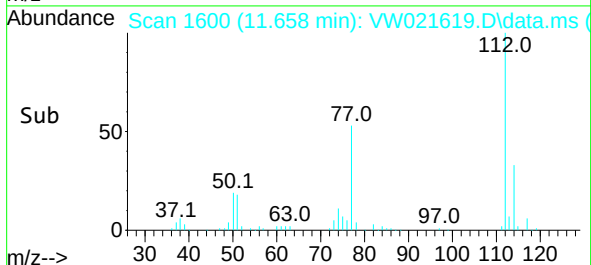
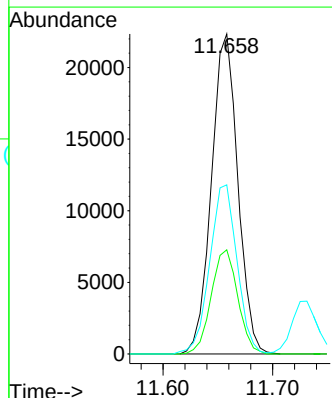
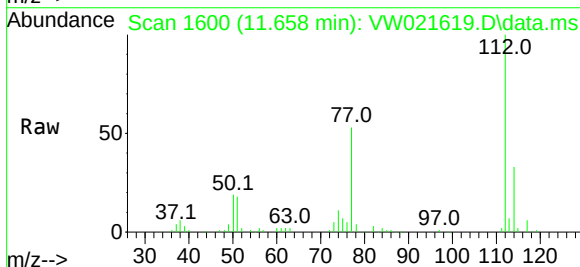
Tgt Ion:112 Resp: 37372

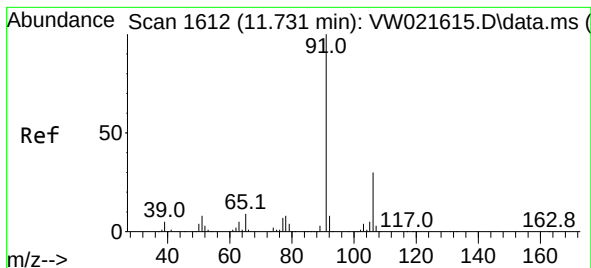
Ion Ratio Lower Upper

112 100

114 32.5 22.4 41.6

77 52.9 50.2 75.4

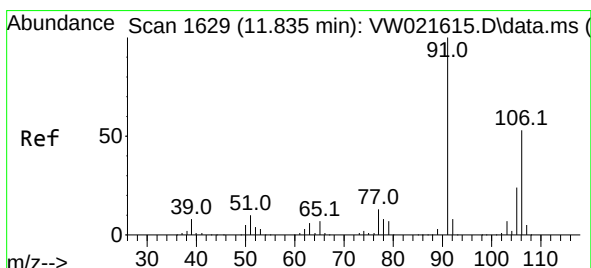
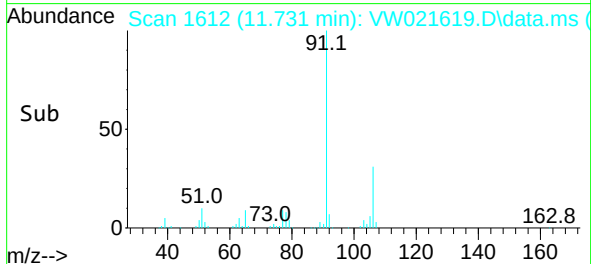
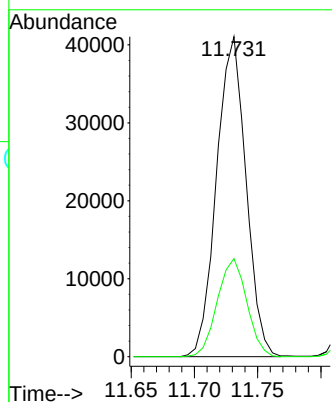
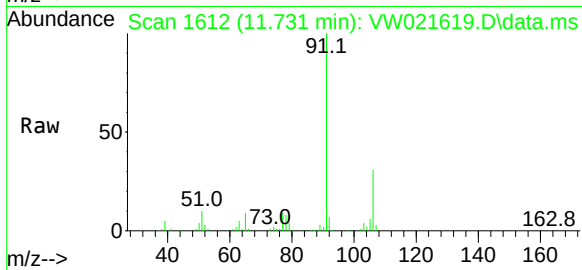




#52
Ethylbenzene
Concen: 21.934 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

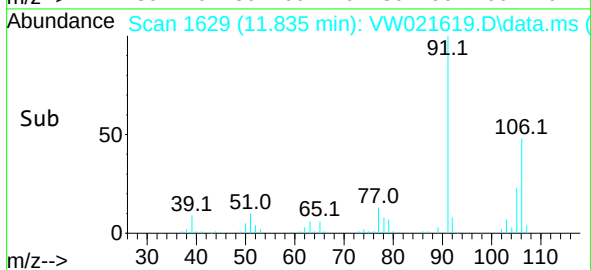
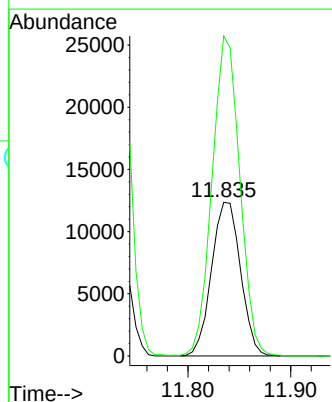
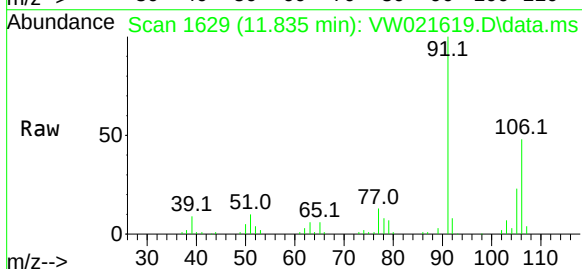
Instrument :
MSVOA_W
ClientSampleId :
GBC20MSD

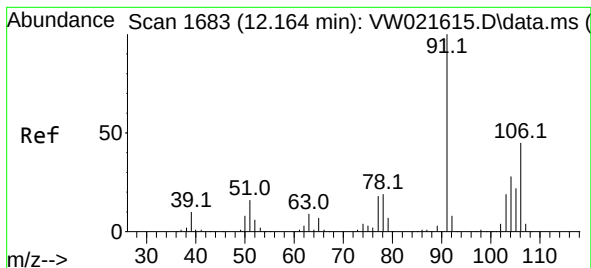
Tgt Ion: 91 Resp: 66349
Ion Ratio Lower Upper
91 100
106 30.6 21.5 39.9



#53
m,p-Xylene
Concen: 19.830 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

Tgt Ion:106 Resp: 24198
Ion Ratio Lower Upper
106 100
91 208.3 149.9 278.3





#54

o-Xylene

Concen: 21.260 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Instrument :

MSVOA_W

ClientSampleId :

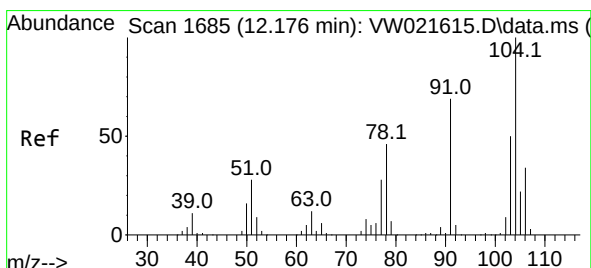
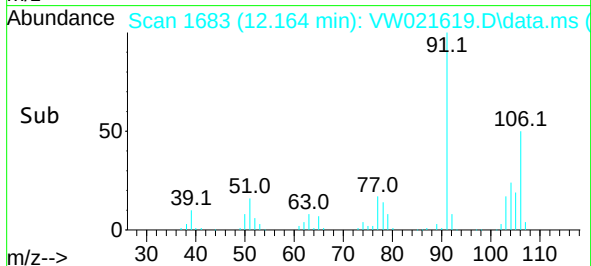
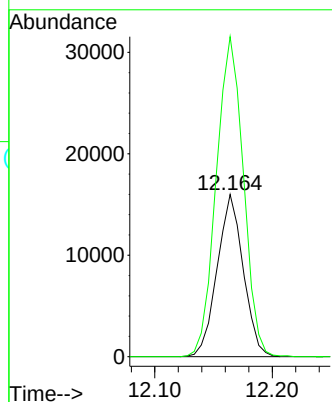
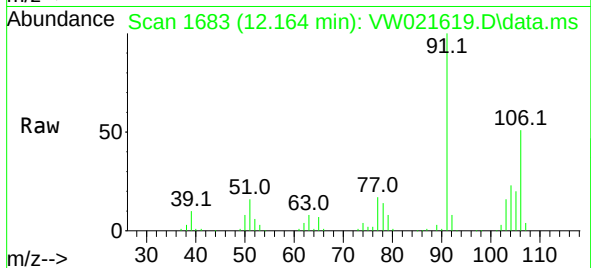
GBC20MSD

Tgt Ion:106 Resp: 24621

Ion Ratio Lower Upper

106 100

91 197.3 153.6 285.3



#55

Styrene

Concen: 14.846 ug/L

RT: 12.182 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VW021619.D

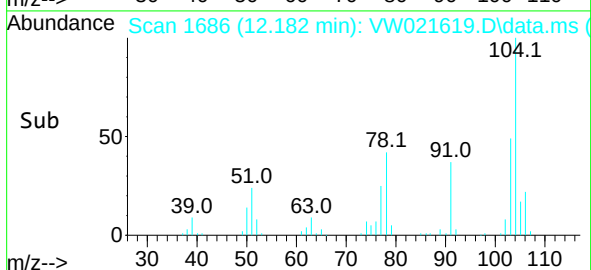
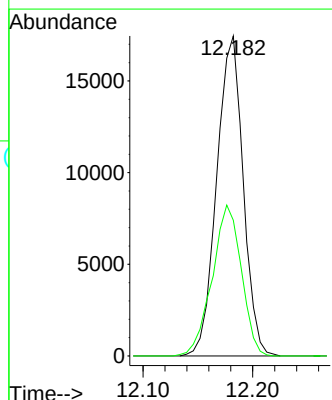
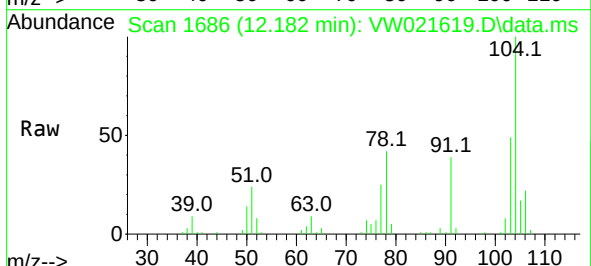
Acq: 23 Dec 2021 18:17

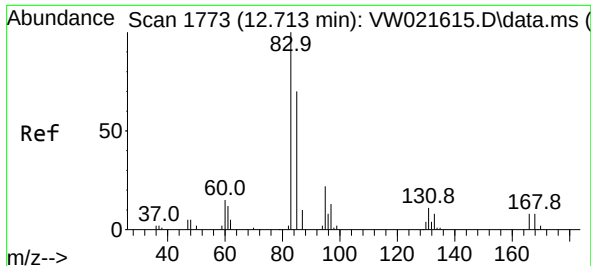
Tgt Ion:104 Resp: 29262

Ion Ratio Lower Upper

104 100

78 42.4 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 55.149 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Instrument :

MSVOA_W

ClientSampleId :

GBC20MSD

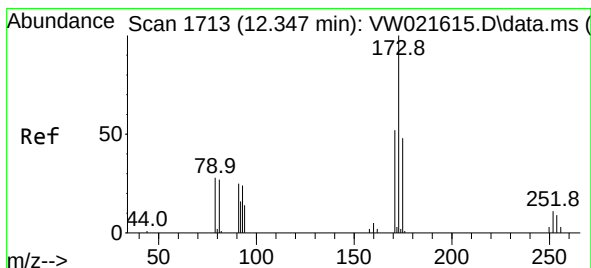
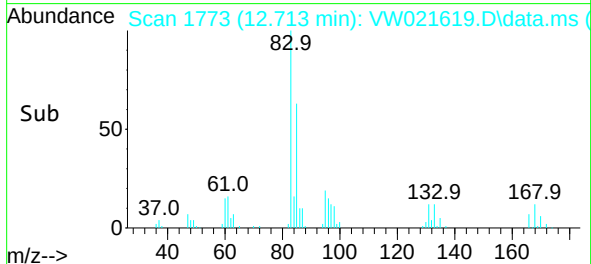
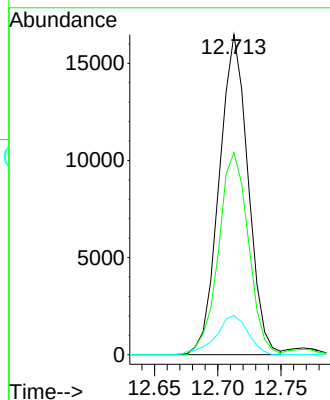
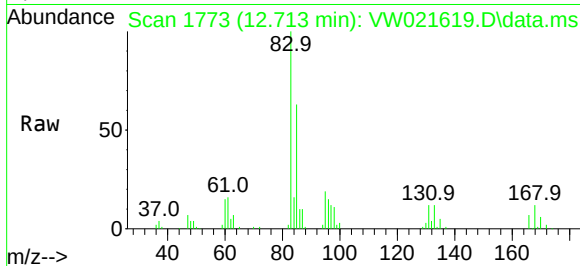
Tgt Ion: 83 Resp: 26123

Ion Ratio Lower Upper

83 100

85 63.2 44.0 81.6

131 12.2 6.9 10.3#



#59

Bromoform

Concen: 101.878 ug/L

RT: 12.353 min Scan# 1714

Delta R.T. 0.006 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

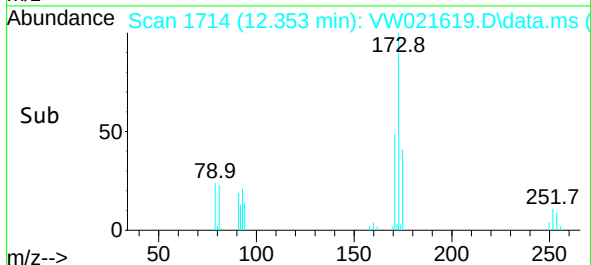
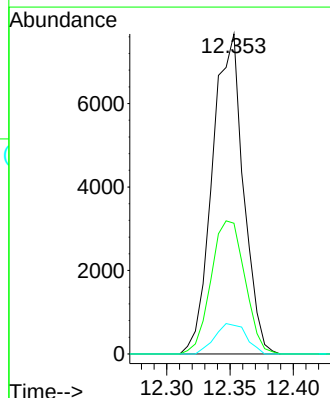
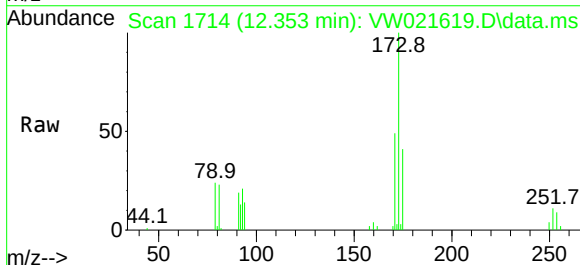
Tgt Ion:173 Resp: 13076

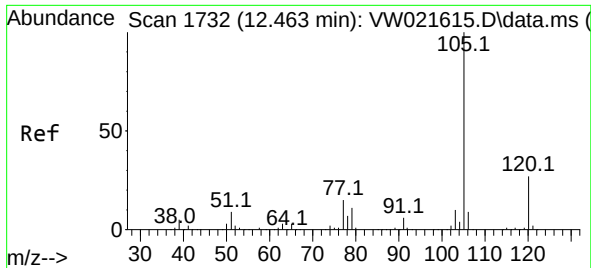
Ion Ratio Lower Upper

173 100

175 45.5 39.6 59.4

254 9.6 7.4 11.0

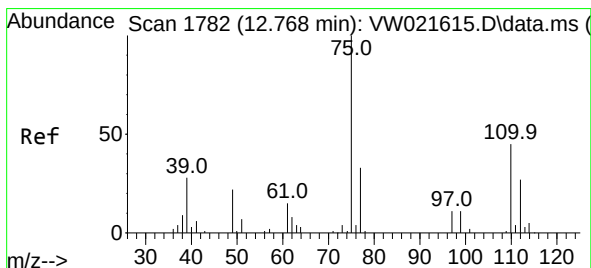
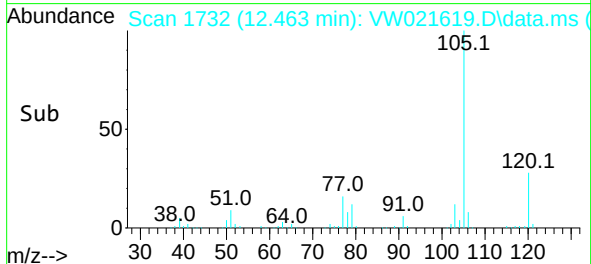
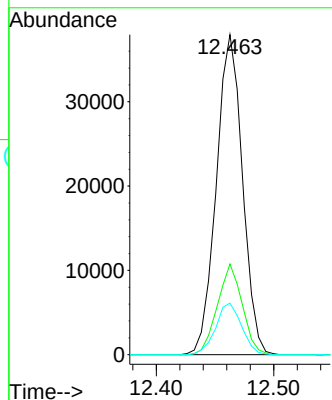
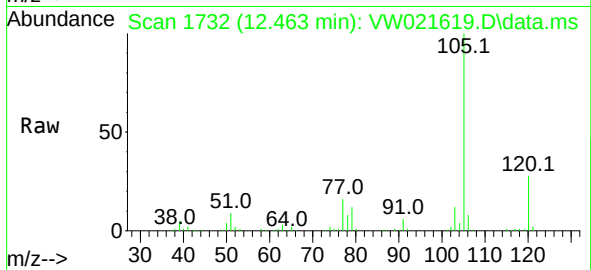




#60
Isopropylbenzene
Concen: 40.048 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

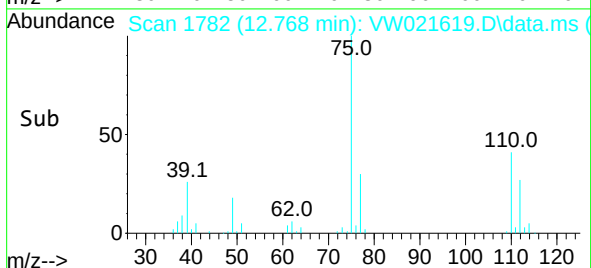
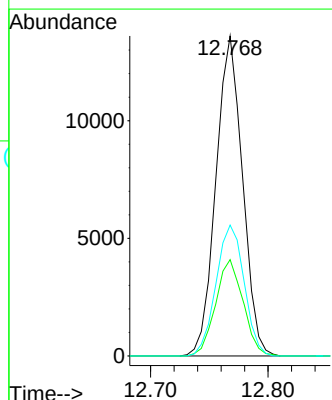
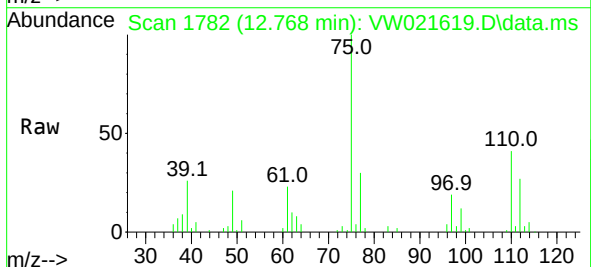
Instrument :
MSVOA_W
ClientSampleId :
GBC20MSD

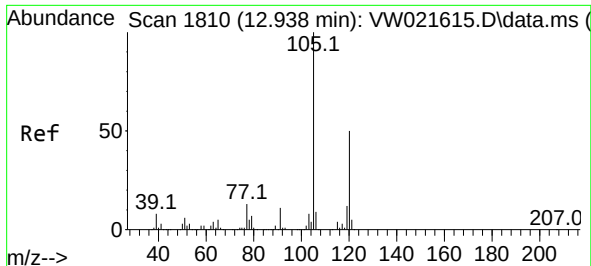
Tgt Ion:105 Resp: 58700
Ion Ratio Lower Upper
105 100
120 26.9 20.1 30.1
77 16.0 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 136.281 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

Tgt Ion: 75 Resp: 21395
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.8
110 43.2 29.0 43.4





#62

1,3,5-Trimethylbenzene

Concen: 30.219 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Instrument :

MSVOA_W

ClientSampleId :

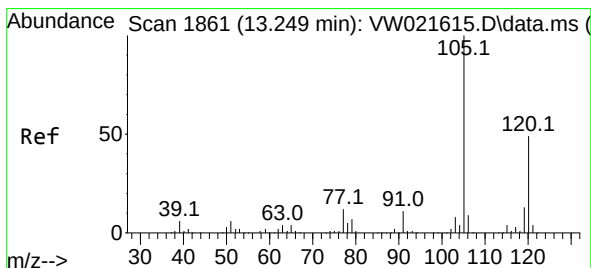
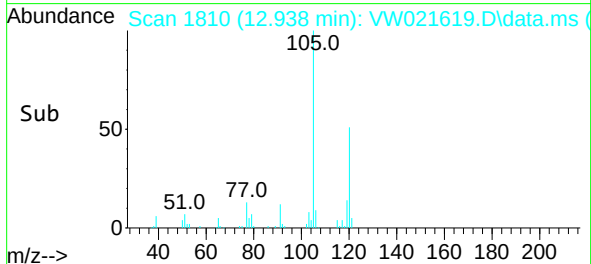
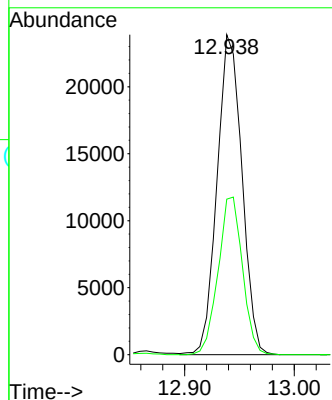
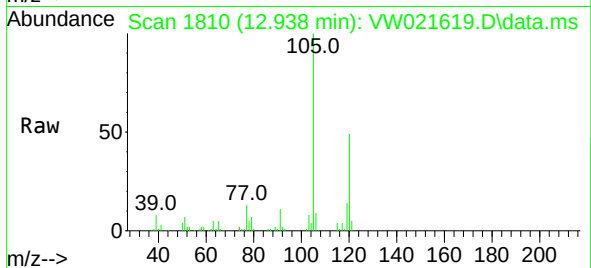
GBC20MSD

Tgt Ion:105 Resp: 37691

Ion Ratio Lower Upper

105 100

120 48.2 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 27.014 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021619.D

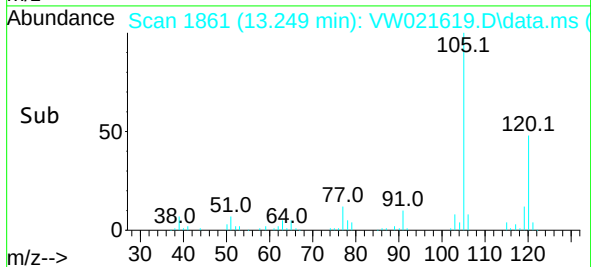
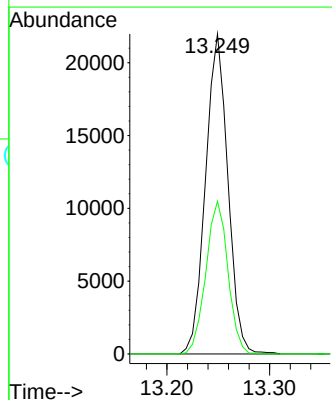
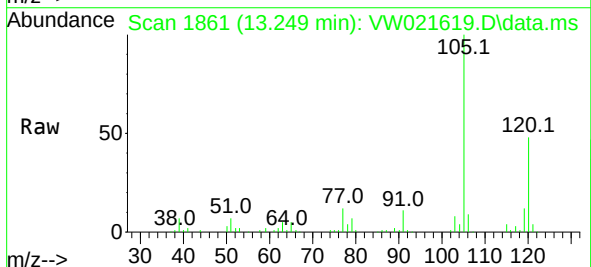
Acq: 23 Dec 2021 18:17

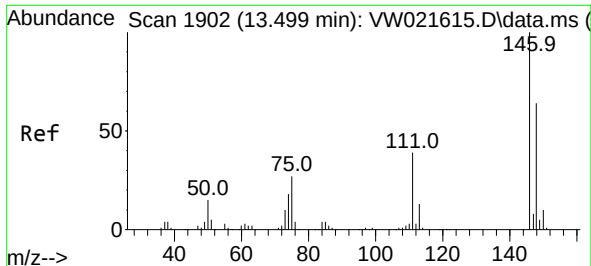
Tgt Ion:105 Resp: 33238

Ion Ratio Lower Upper

105 100

120 47.1 35.0 52.6

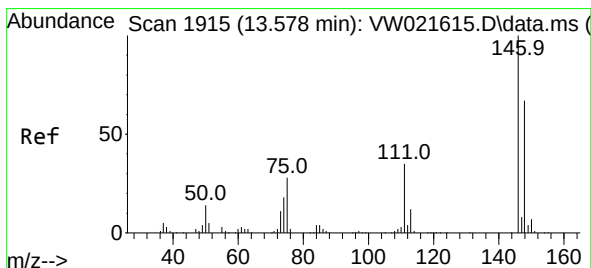
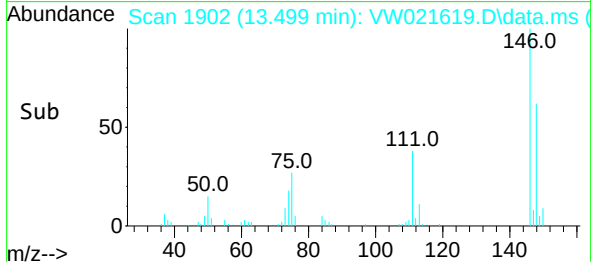
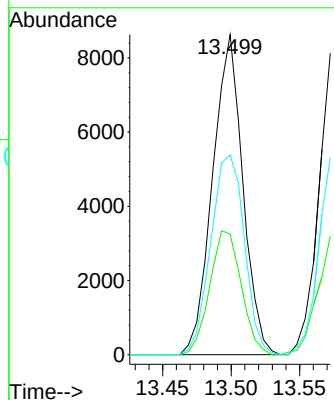
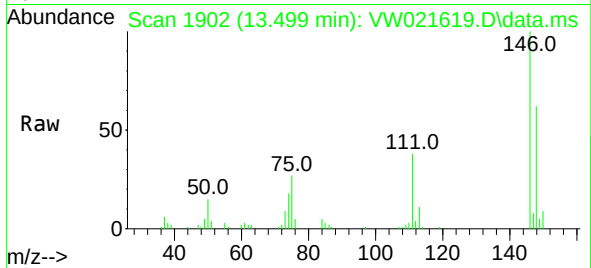




#64
1,3-Dichlorobenzene
Concen: 19.122 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

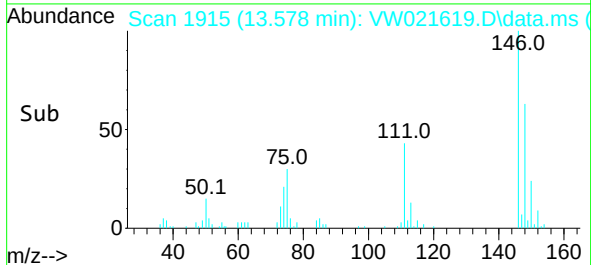
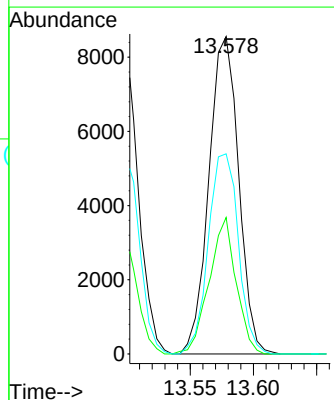
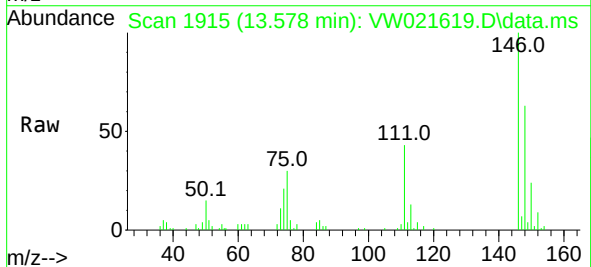
Instrument :
MSVOA_W
ClientSampleId :
GBC20MSD

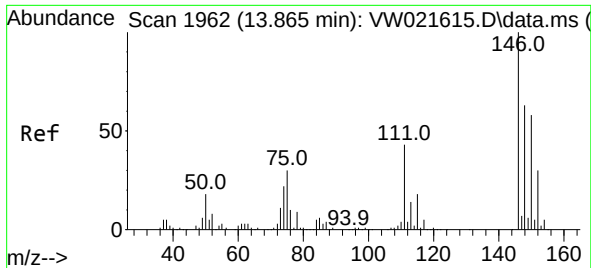
Tgt Ion:146 Resp: 13220
Ion Ratio Lower Upper
146 100
111 37.7 29.8 55.3
148 62.4 46.2 85.8



#65
1,4-Dichlorobenzene
Concen: 20.405 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

Tgt Ion:146 Resp: 14016
Ion Ratio Lower Upper
146 100
111 43.0 29.0 53.9
148 63.0 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 21.994 ug/L

RT: 13.871 min Scan# 1963

Delta R.T. 0.006 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Instrument :

MSVOA_W

ClientSampleId :

GBC20MSD

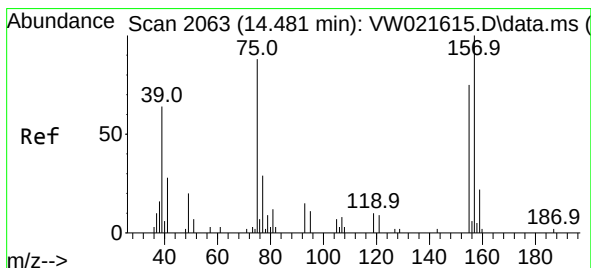
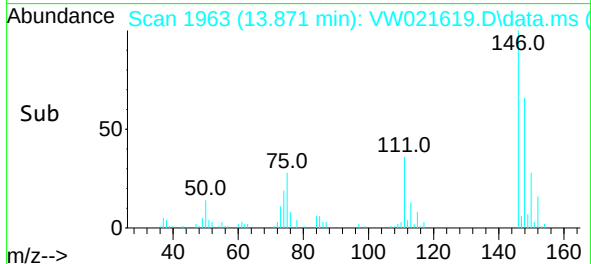
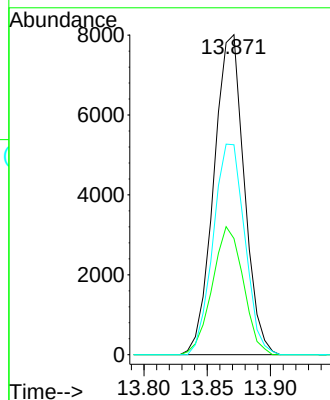
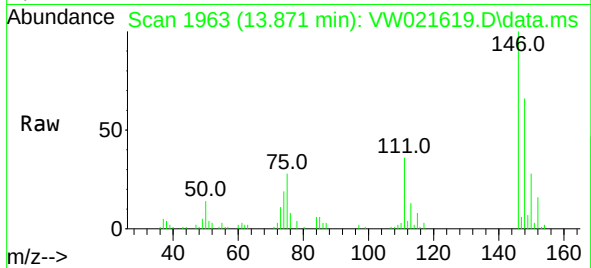
Tgt Ion:146 Resp: 13387

Ion Ratio Lower Upper

146 100

111 36.3 33.1 49.7

148 65.6 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 104.225 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

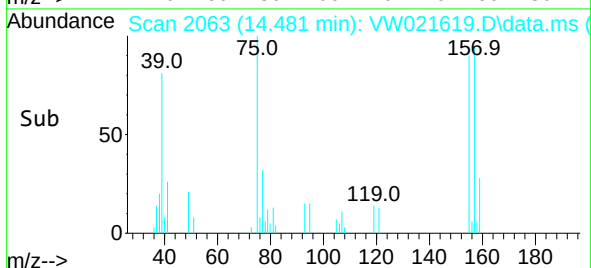
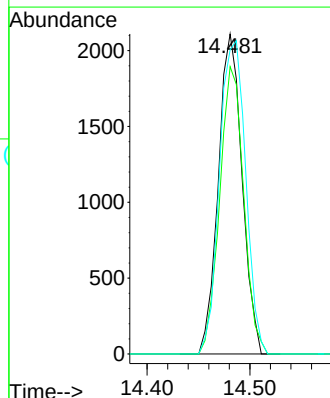
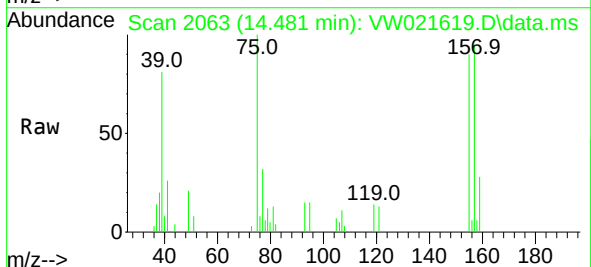
Tgt Ion: 75 Resp: 3375

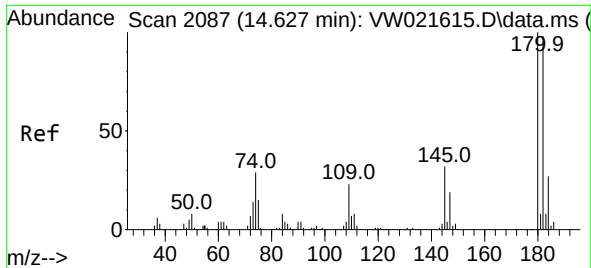
Ion Ratio Lower Upper

75 100

155 89.8 54.2 81.2#

157 95.1 69.4 104.2

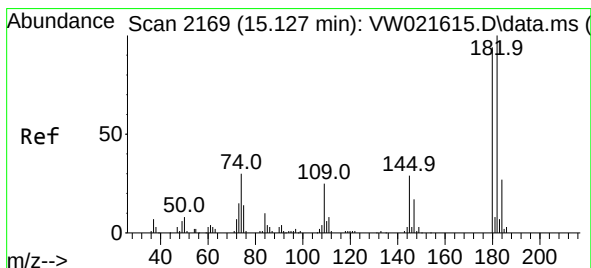
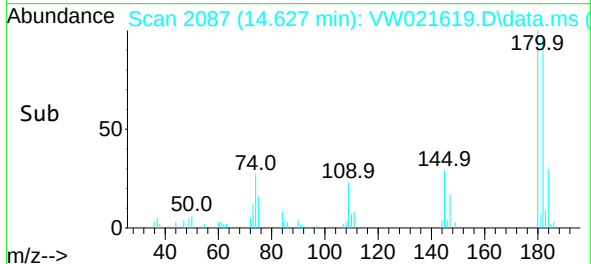
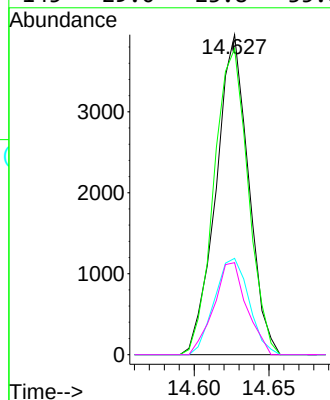
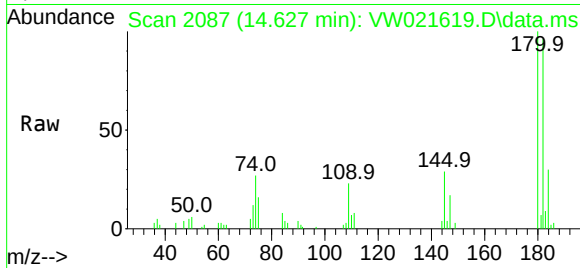




#69
1,3,5-Trichlorobenzene
Concen: 11.561 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

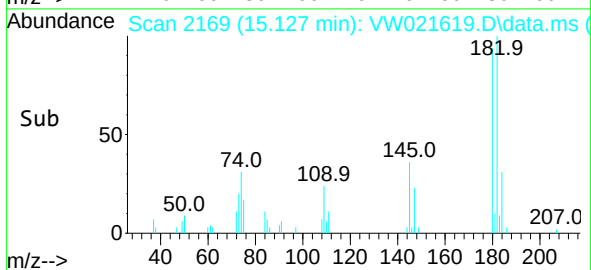
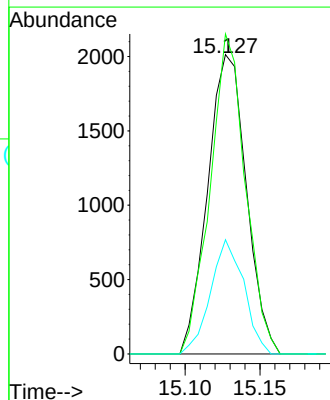
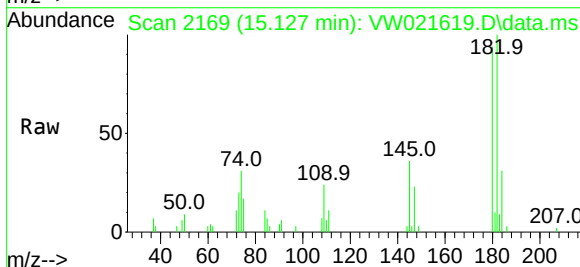
Instrument :
MSVOA_W
ClientSampleId :
GBC20MSD

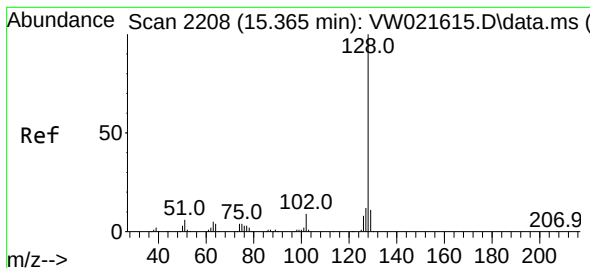
Tgt Ion:180	Resp:	5974	
Ion	Ratio	Lower	Upper
180	100		
182	100.3	75.4	113.0
184	31.9	23.8	35.8
145	29.0	23.8	35.8



#70
1,2,4-trichlorobenzene
Concen: 8.722 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW021619.D
Acq: 23 Dec 2021 18:17

Tgt Ion:180	Resp:	3625	
Ion	Ratio	Lower	Upper
180	100		
182	97.2	79.0	118.6
145	32.9	26.0	39.0





#71

Naphthalene

Concen: 12.779 ug/L

RT: 15.365 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Instrument :

MSVOA_W

ClientSampleId :

GBC20MSD

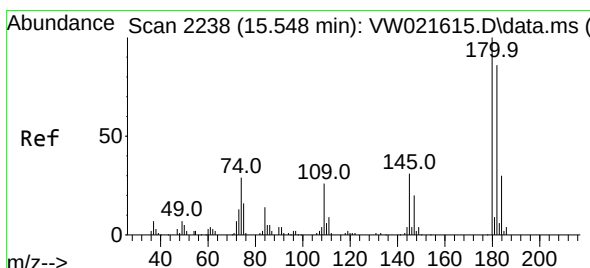
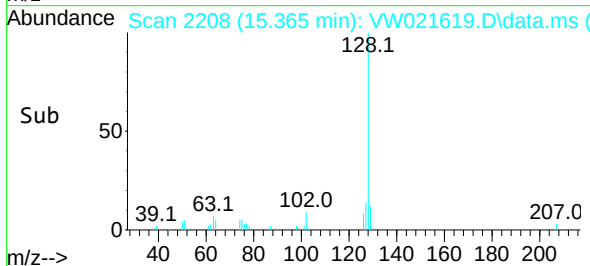
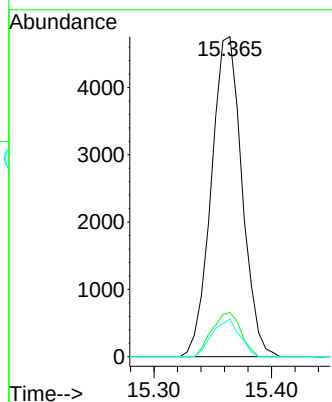
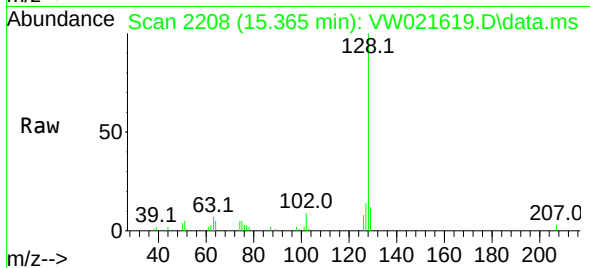
Tgt Ion:128 Resp: 8629

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

129 10.5 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 10.096 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW021619.D

Acq: 23 Dec 2021 18:17

Tgt Ion:180 Resp: 3468

Ion Ratio Lower Upper

180 100

182 98.0 76.6 114.8

145 31.6 27.4 41.0

