

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075757.D
 Acq On : 13 Dec 2022 11:39
 Operator : JC\MD
 Sample : N6027-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-BR-04-148-162-121222

Quant Time: Dec 13 13:05:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

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

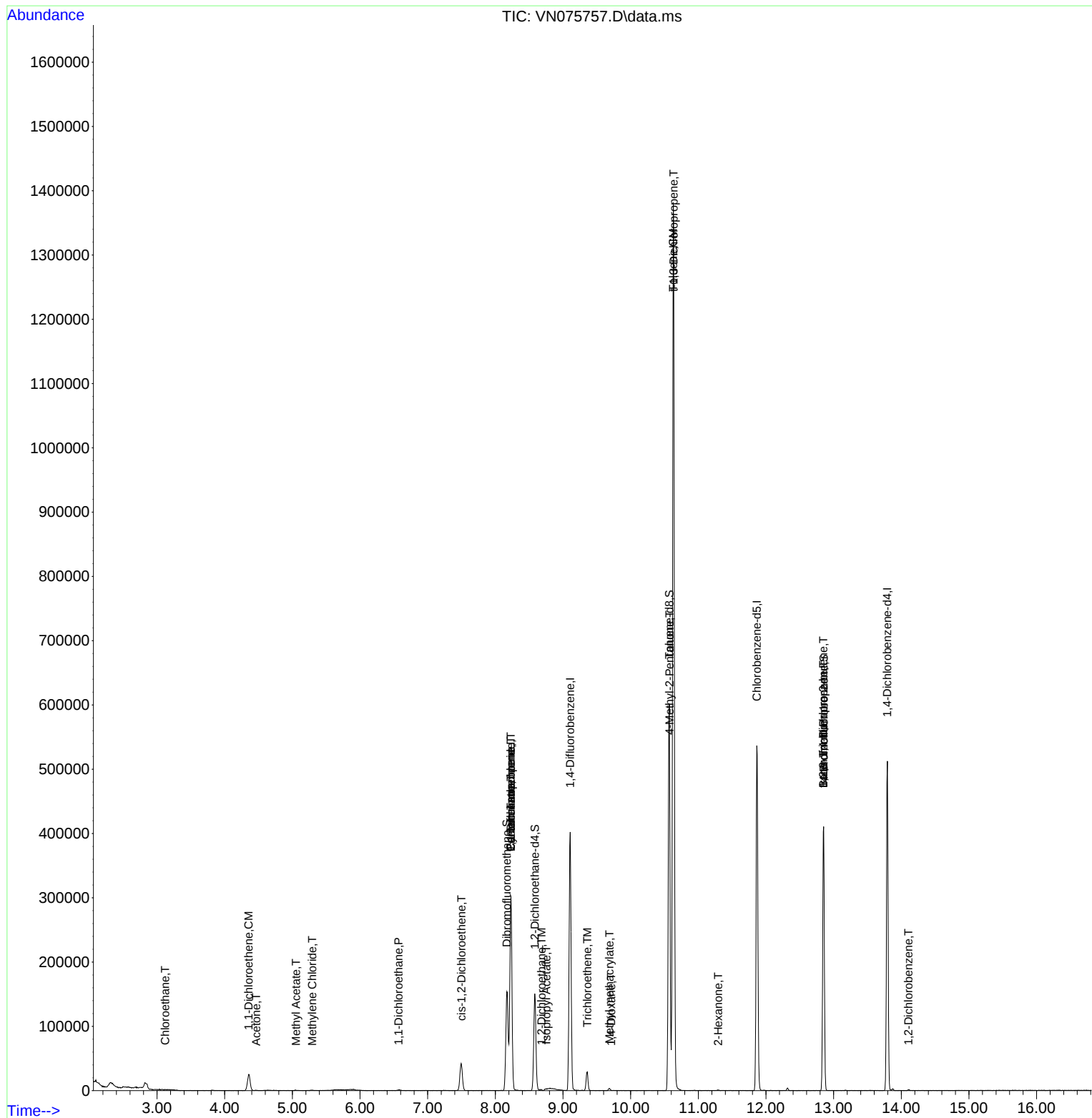
Internal Standards						
1) Pentafluorobenzene	8.230	168	236412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	372930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	120074	47.869	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.740%		
35) Dibromofluoromethane	8.171	113	113066	49.693	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.380%		
50) Toluene-d8	10.571	98	433069	50.682	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.360%		
62) 4-Bromofluorobenzene	12.853	95	139607	47.786	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.580%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	706	0.372	ug/l #	43
12) 1,1-Dichloroethene	4.353	96	16561	8.177	ug/l	92
16) Acetone	4.465	43	1056	1.243	ug/l #	41
18) Methyl Acetate	5.053	43	815	0.299	ug/l #	59
20) Methylene Chloride	5.295	84	576	0.227	ug/l #	56
24) 1,1-Dichloroethane	6.571	63	2545	0.674	ug/l #	79
27) cis-1,2-Dichloroethene	7.500	96	28031	10.202	ug/l	89
31) Cyclohexane	8.230	56	4514	1.215	ug/l #	46
36) 1,1-Dichloropropene	8.230	75	16643	5.509	ug/l #	48
38) Carbon Tetrachloride	8.230	117	22808	6.542	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	1460	0.471	ug/l #	71
43) Isopropyl Acetate	8.753	43	1776	0.439	ug/l #	51
44) Trichloroethene	9.359	130	11301	4.320	ug/l	98
48) Methyl methacrylate	9.688	41	1665	0.893	ug/l	93
49) 1,4-Dioxane	9.712	88	141	3.110	ug/l #	30
51) 4-Methyl-2-Pentanone	10.577	43	1556	0.623	ug/l #	1
52) Toluene	10.630	92	646841	105.546	ug/l	98
53) t-1,3-Dichloropropene	10.635	75	7275	2.269	ug/l #	1
59) 2-Hexanone	11.294	43	846	0.466	ug/l #	20
71) Bromoform	12.847	173	864	0.459	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	71280	24.365	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71280	77.806	ug/l #	13
91) 1,2-Dichlorobenzene	14.106	146	1041	0.213	ug/l	97

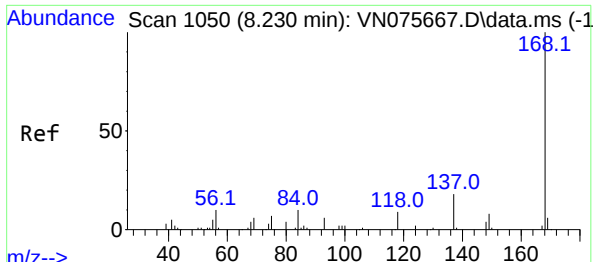
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 12 07:54:35 2022
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.000 min

Lab File: VN075757.D

Acq: 13 Dec 2022 11:39

Instrument :

MSVOA_N

ClientSampleId :

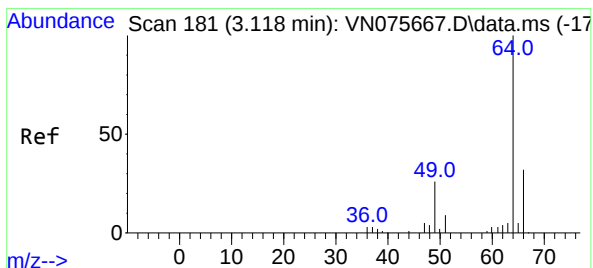
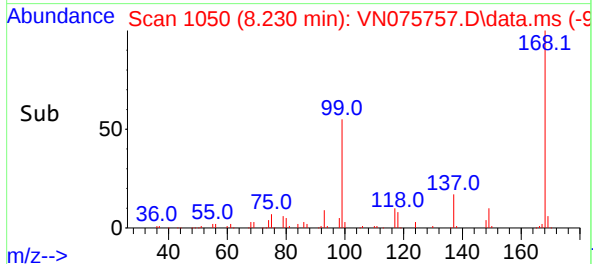
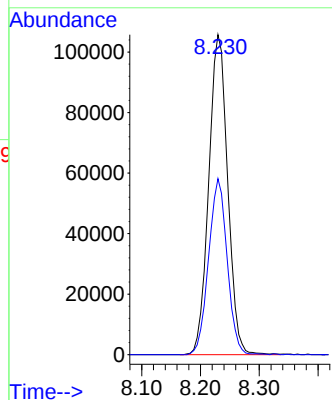
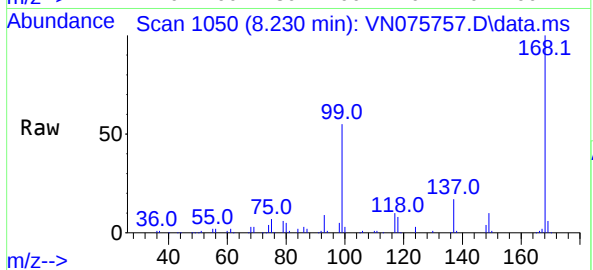
GW-BR-04-148-162-121222

Tgt Ion:168 Resp: 236412

Ion Ratio Lower Upper

168 100

99 55.0 41.2 61.8



#6

Chloroethane

Concen: 0.372 ug/l

RT: 3.118 min Scan# 181

Delta R.T. 0.000 min

Lab File: VN075757.D

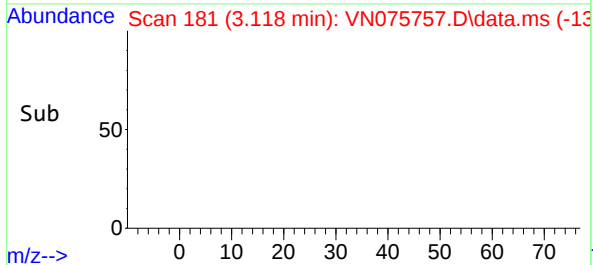
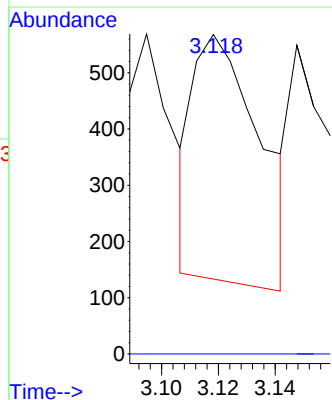
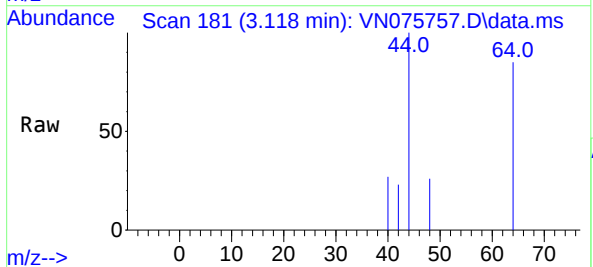
Acq: 13 Dec 2022 11:39

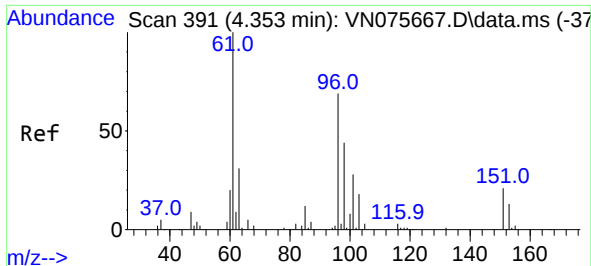
Tgt Ion: 64 Resp: 706

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#

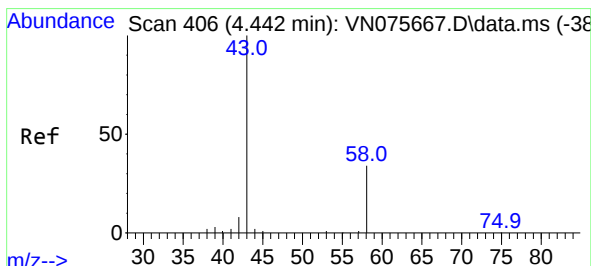
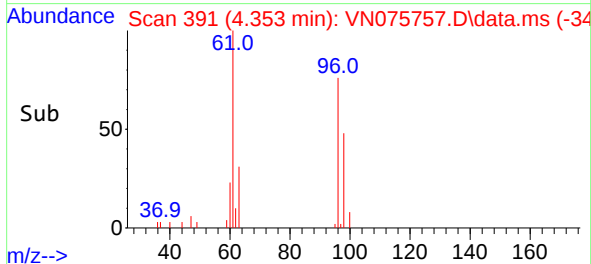
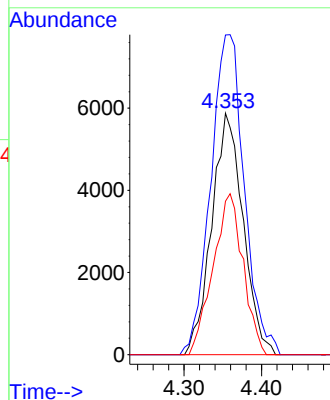
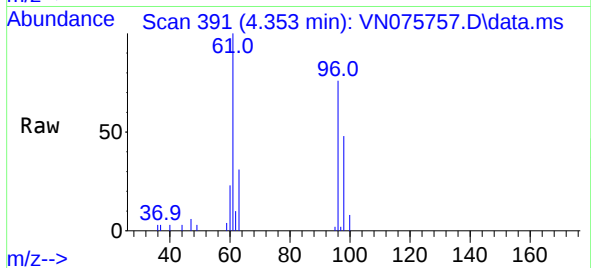




#12
1,1-Dichloroethene
Concen: 8.177 ug/l
RT: 4.353 min Scan# 391
Delta R.T. 0.000 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

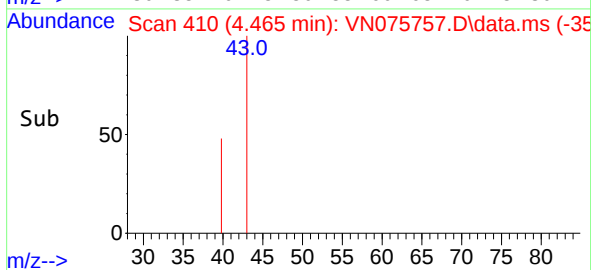
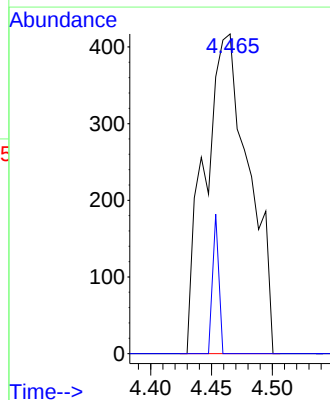
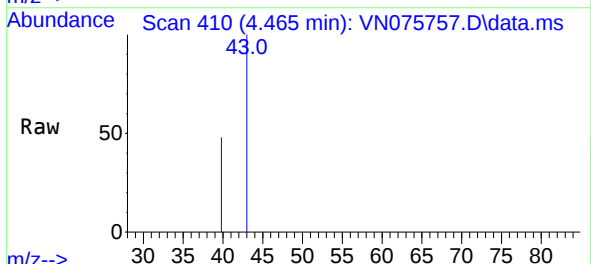
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-148-162-121222

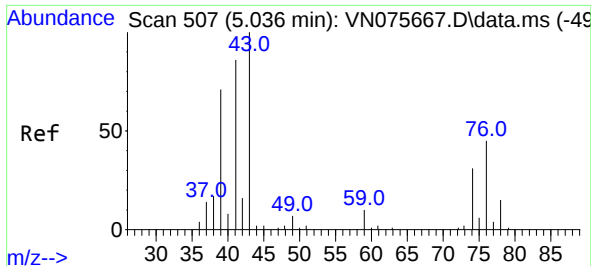
Tgt Ion: 96 Resp: 16561
Ion Ratio Lower Upper
96 100
61 132.4 116.8 175.2
98 63.5 51.6 77.4



#16
Acetone
Concen: 1.243 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.024 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

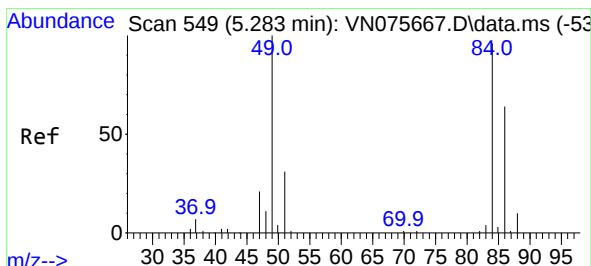
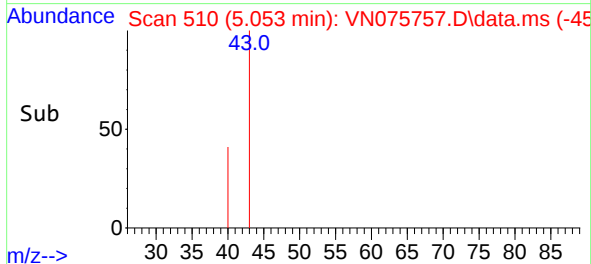
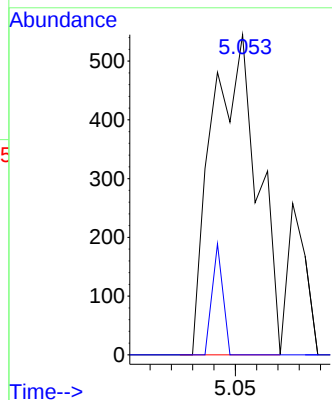
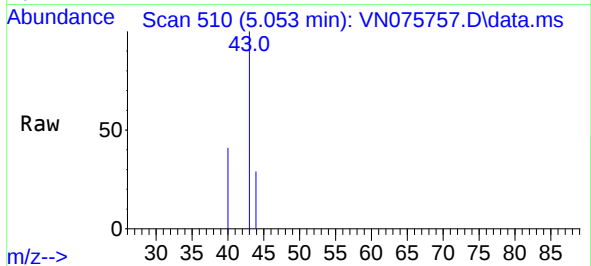




#18
Methyl Acetate
Concen: 0.299 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.018 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

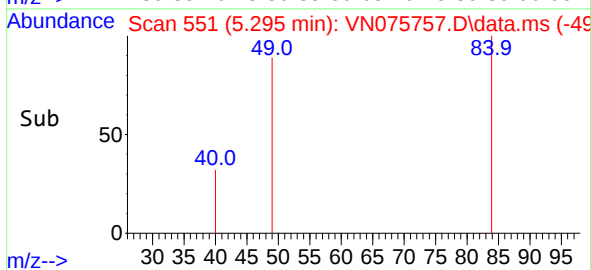
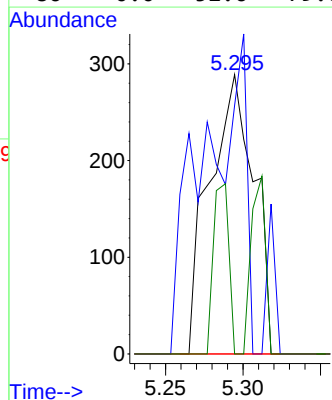
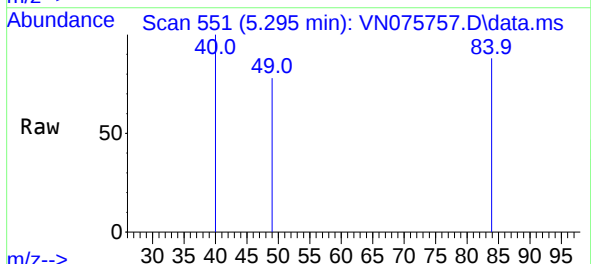
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-148-162-121222

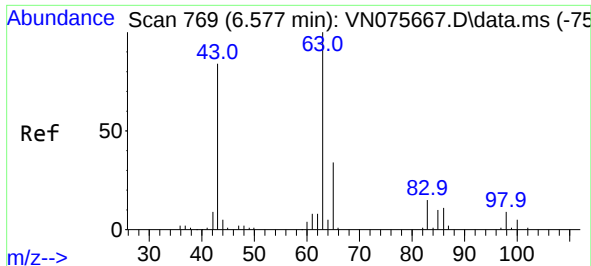
Tgt Ion: 43 Resp: 815
Ion Ratio Lower Upper
43 100
74 8.2 24.5 36.7#



#20
Methylene Chloride
Concen: 0.227 ug/l
RT: 5.295 min Scan# 551
Delta R.T. 0.012 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

Tgt Ion: 84 Resp: 576
Ion Ratio Lower Upper
84 100
49 88.9 83.0 124.4
51 0.0 26.0 39.0#
86 0.0 52.6 79.0#

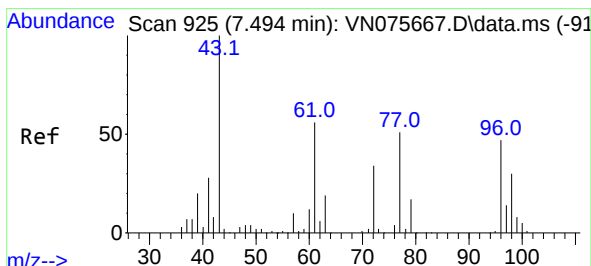
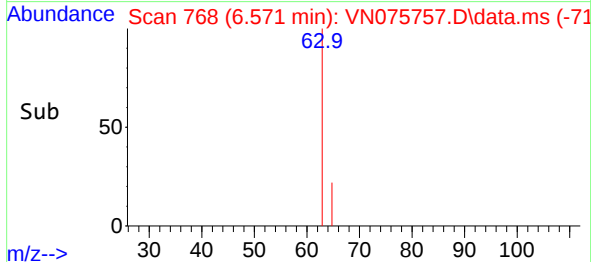
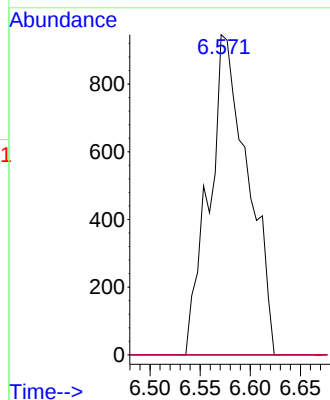
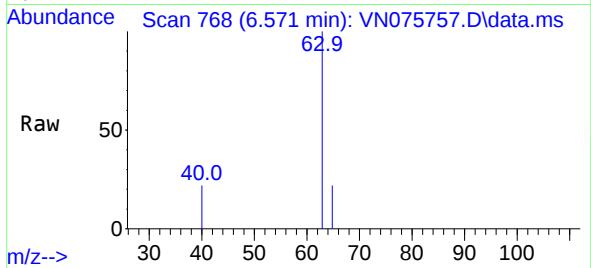




#24
1,1-Dichloroethane
Concen: 0.674 ug/l
RT: 6.571 min Scan# 768
Delta R.T. -0.006 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

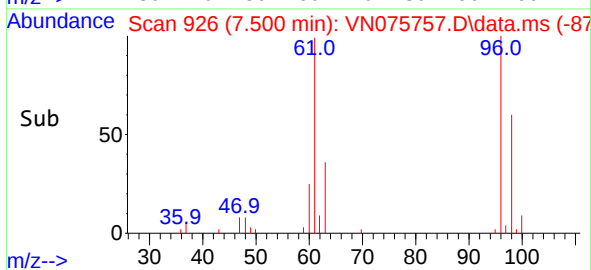
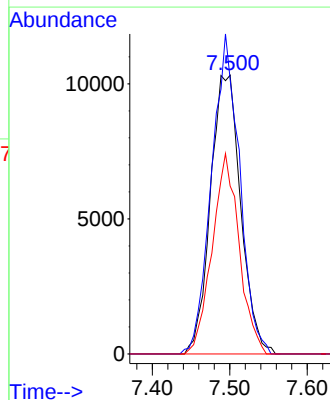
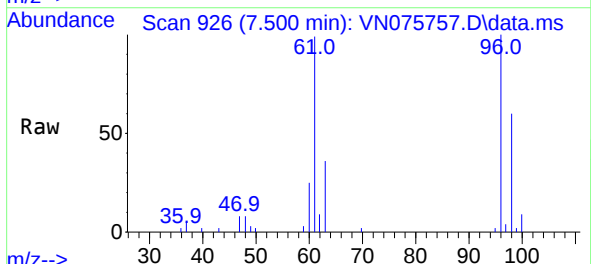
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-148-162-121222

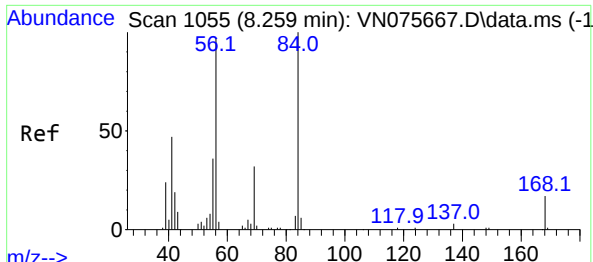
Tgt Ion: 63 Resp: 2545
Ion Ratio Lower Upper
63 100
98 0.0 4.3 12.9#
100 0.0 2.6 7.8#



#27
cis-1,2-Dichloroethene
Concen: 10.202 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

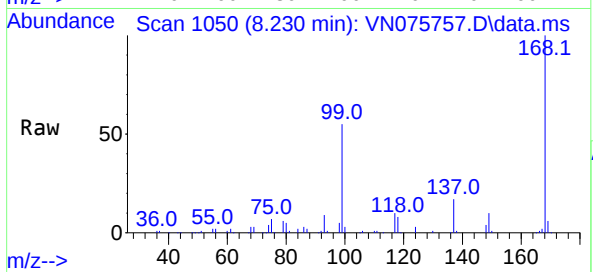
Tgt Ion: 96 Resp: 28031
Ion Ratio Lower Upper
96 100
61 106.2 0.0 247.8
98 64.1 0.0 126.0



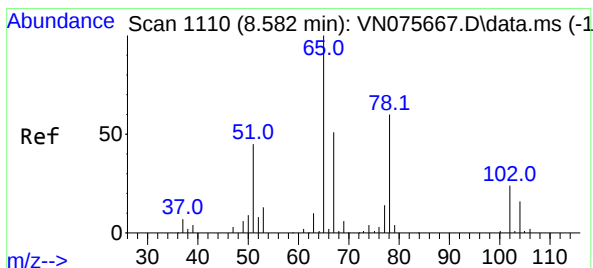
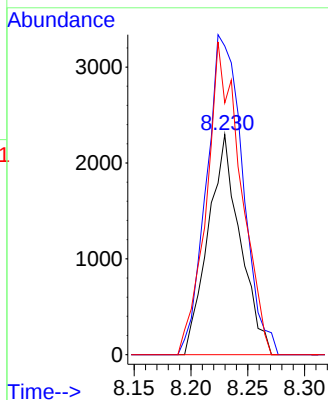
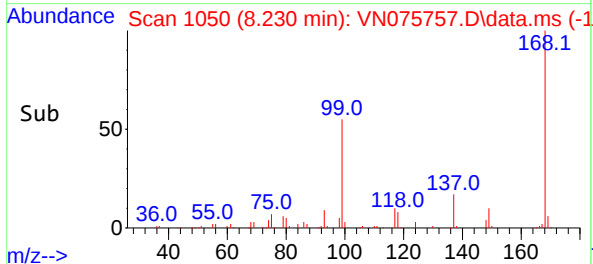


#31
Cyclohexane
Concen: 1.215 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-148-162-121222

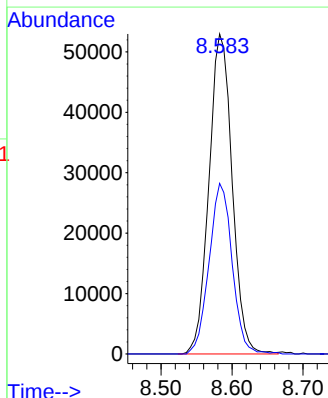
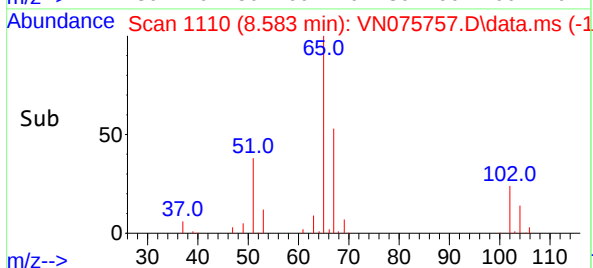
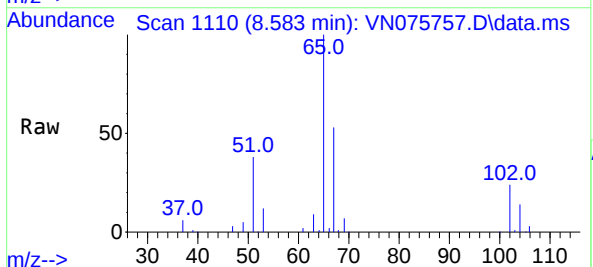


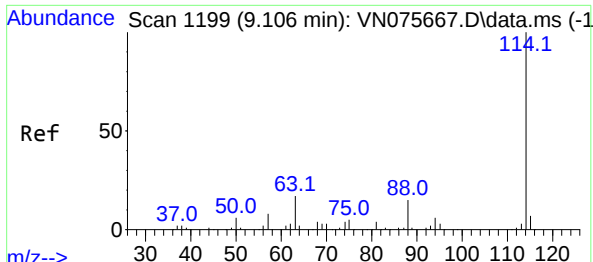
Tgt Ion: 56 Resp: 4514
Ion Ratio Lower Upper
56 100
69 140.2 26.2 39.2#
84 114.3 82.8 124.2



#33
1,2-Dichloroethane-d4
Concen: 47.869 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

Tgt Ion: 65 Resp: 120074
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.2

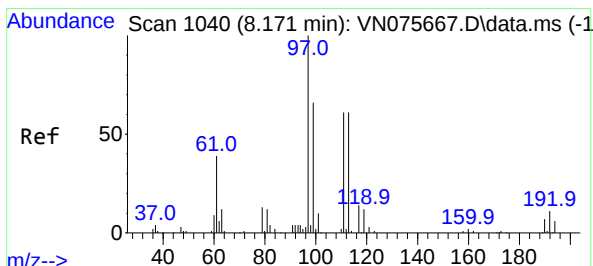
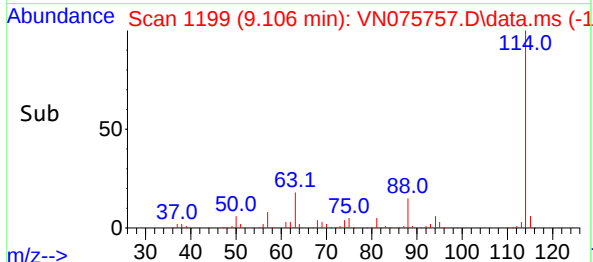
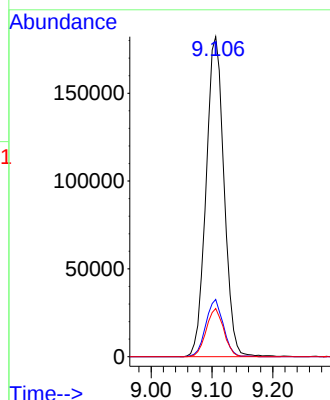
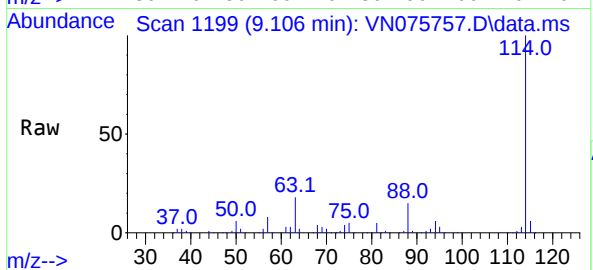




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

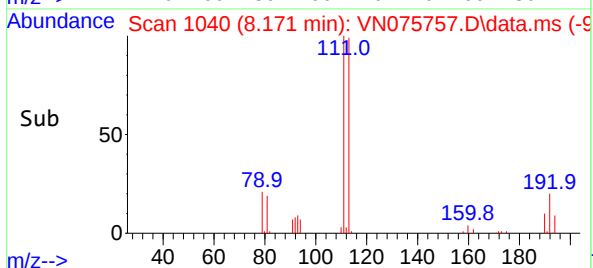
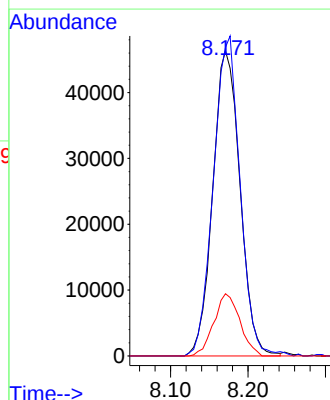
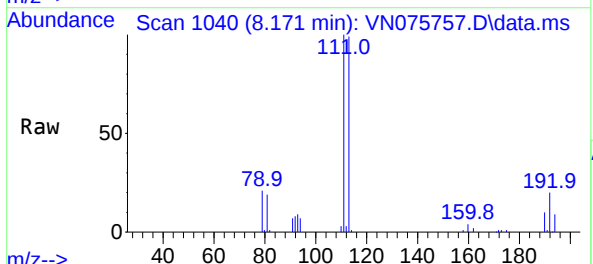
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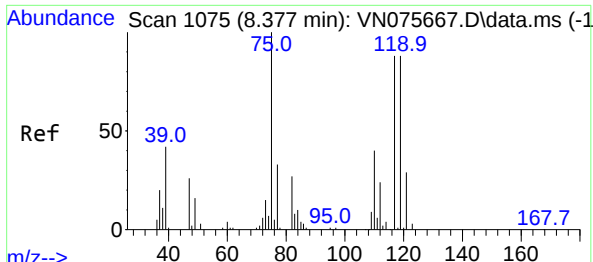
Tgt Ion:114 Resp: 372930
Ion Ratio Lower Upper
114 100
63 17.9 0.0 34.4
88 15.0 0.0 29.2



#35
Dibromofluoromethane
Concen: 49.693 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

Tgt Ion:113 Resp: 113066
Ion Ratio Lower Upper
113 100
111 102.6 81.0 121.6
192 19.5 16.2 24.2

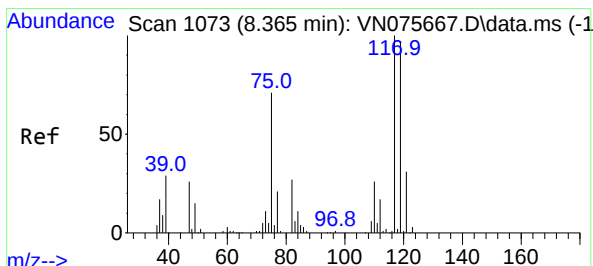
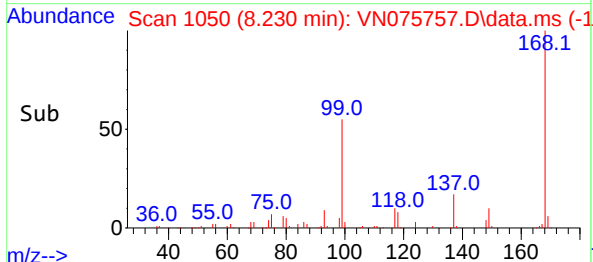
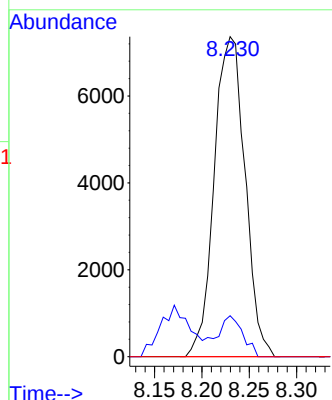
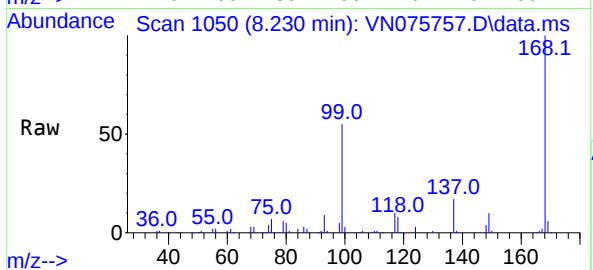




#36
1,1-Dichloropropene
Concen: 5.509 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

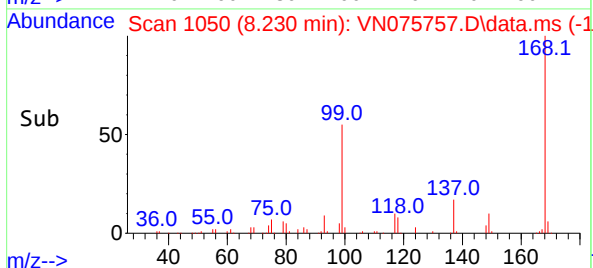
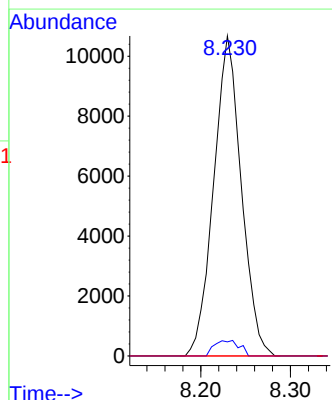
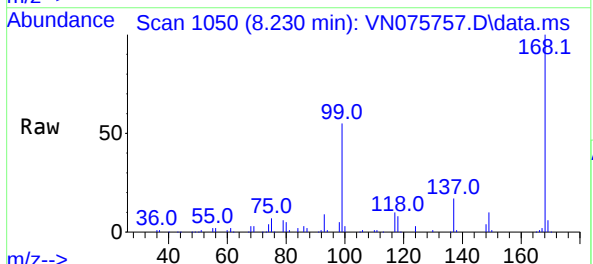
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GW-BR-04-148-162-121222

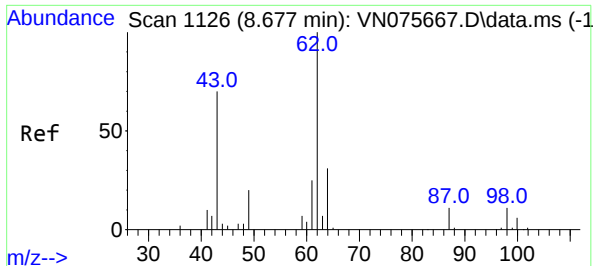
Tgt Ion: 75 Resp: 16643
Ion Ratio Lower Upper
75 100
110 9.0 18.9 56.9#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 6.542 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

Tgt Ion: 117 Resp: 22808
Ion Ratio Lower Upper
117 100
119 4.4 77.2 115.8#
121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.471 ug/l

RT: 8.683 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN075757.D

Acq: 13 Dec 2022 11:39

Instrument :

MSVOA_N

ClientSampleId :

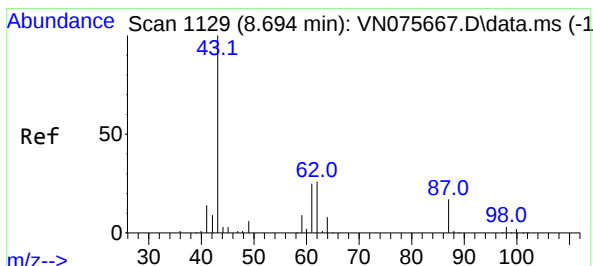
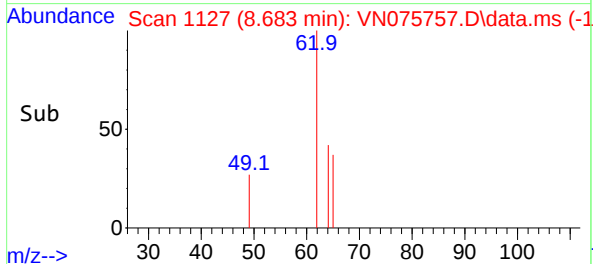
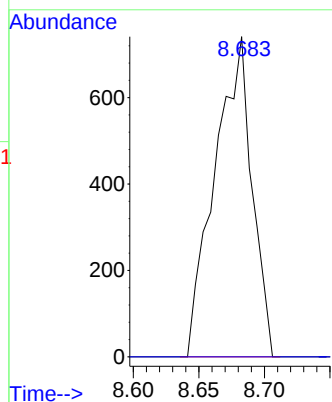
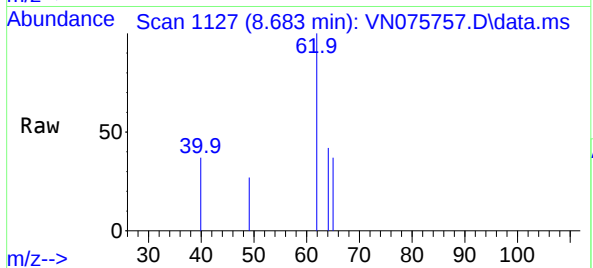
GW-BR-04-148-162-121222

Tgt Ion: 62 Resp: 1460

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.8



#43

Isopropyl Acetate

Concen: 0.439 ug/l

RT: 8.753 min Scan# 1139

Delta R.T. 0.059 min

Lab File: VN075757.D

Acq: 13 Dec 2022 11:39

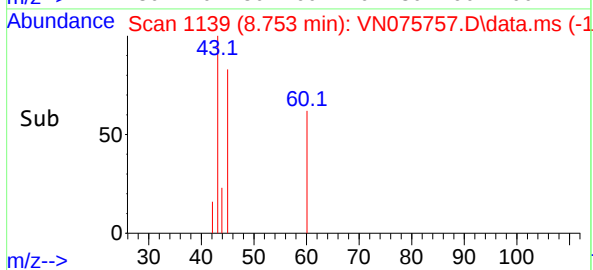
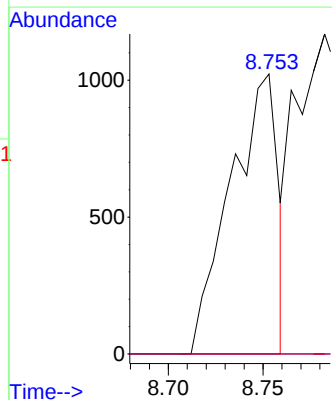
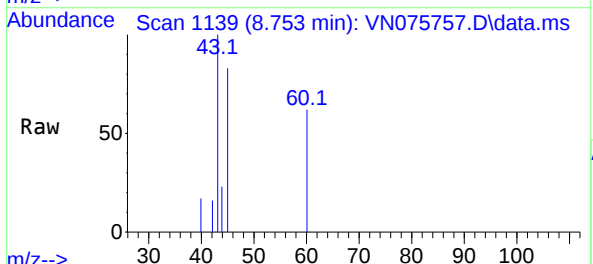
Tgt Ion: 43 Resp: 1776

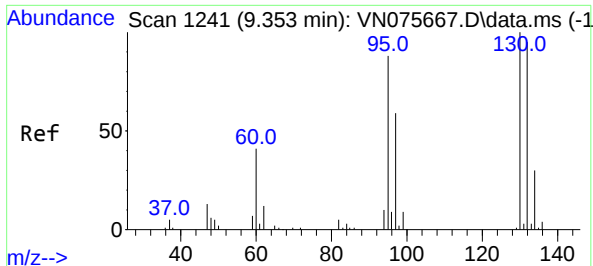
Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.8#

87 0.0 13.7 20.5#

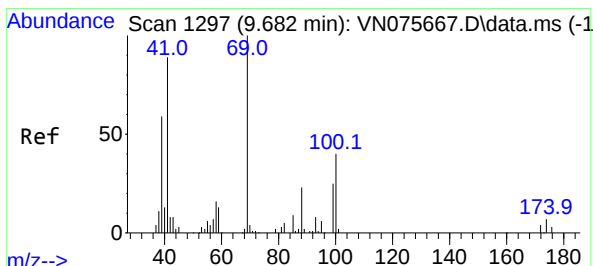
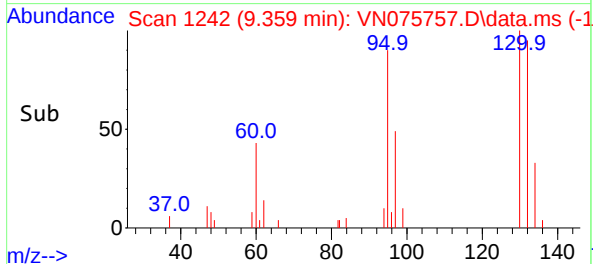
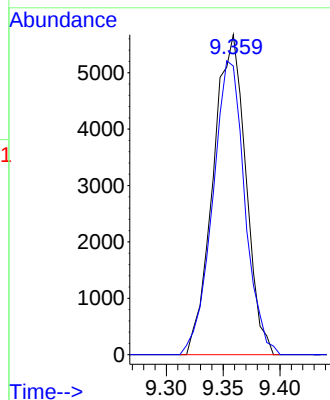
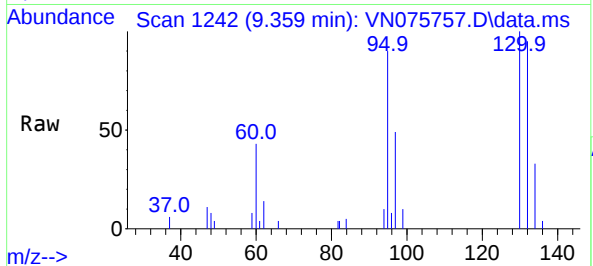




#44
Trichloroethene
Concen: 4.320 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

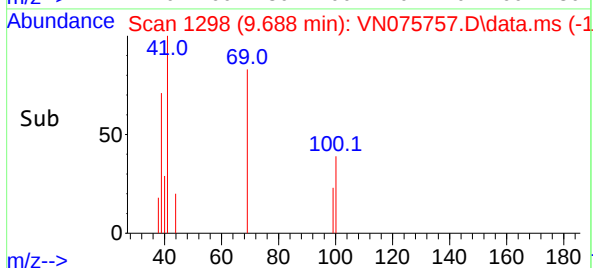
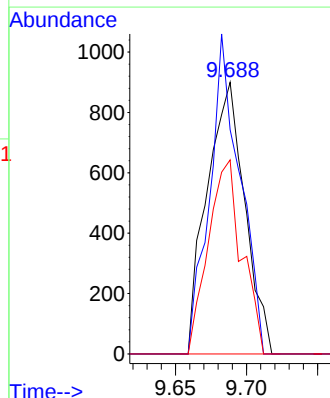
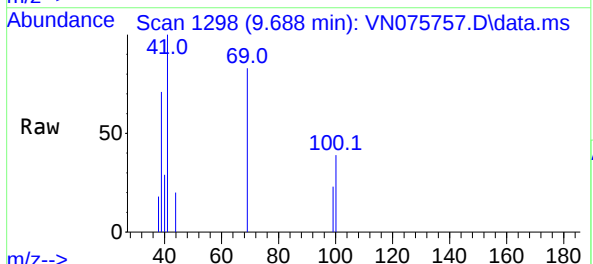
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-148-162-121222

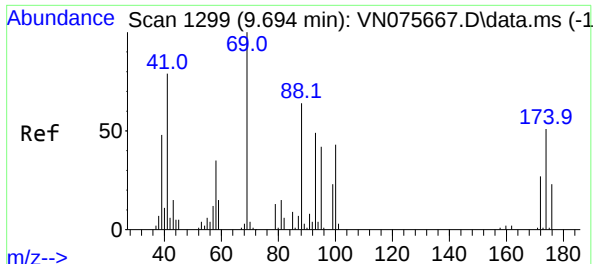
Tgt Ion:130 Resp: 11301
Ion Ratio Lower Upper
130 100
95 90.2 0.0 176.8



#48
Methyl methacrylate
Concen: 0.893 ug/l
RT: 9.688 min Scan# 1298
Delta R.T. 0.006 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

Tgt Ion: 41 Resp: 1665
Ion Ratio Lower Upper
41 100
69 94.4 82.5 123.7
39 63.5 53.2 79.8

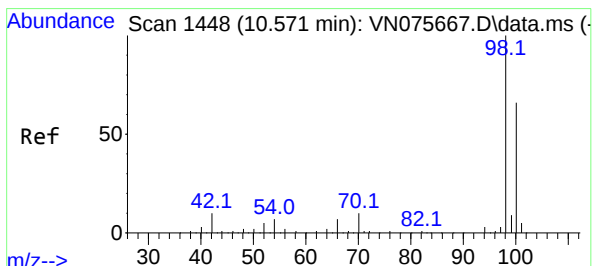
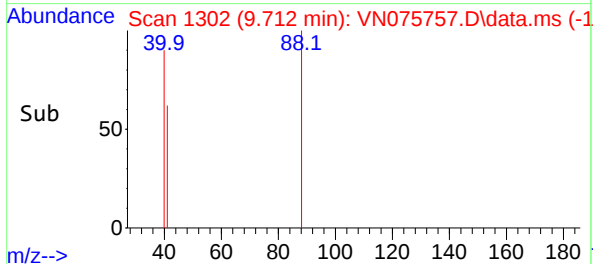
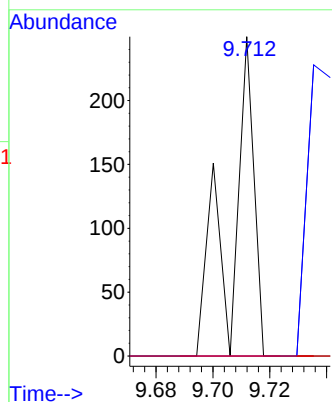
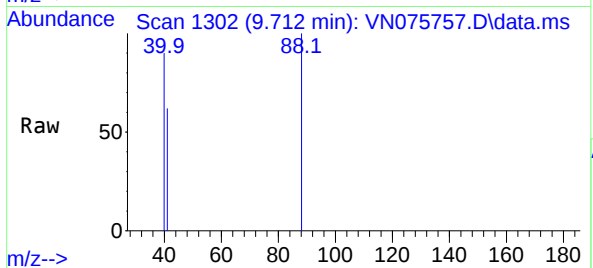




#49
1,4-Dioxane
Concen: 3.110 ug/l
RT: 9.712 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

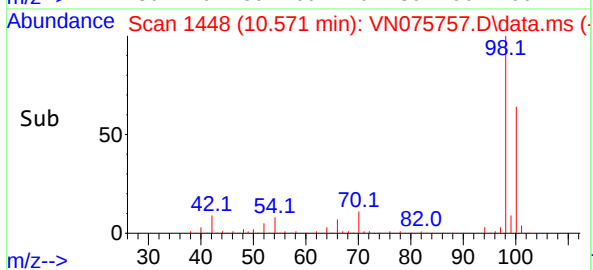
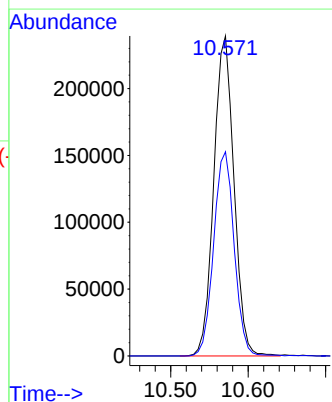
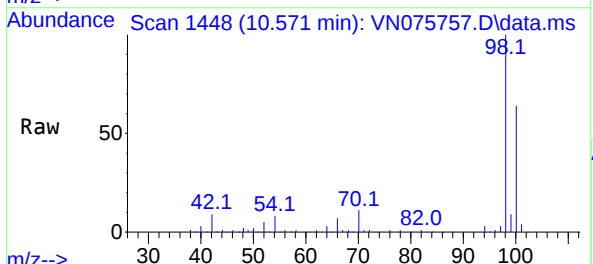
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-148-162-121222

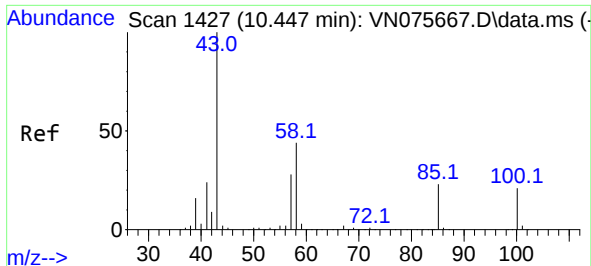
Tgt Ion: 88 Resp: 141
Ion Ratio Lower Upper
88 100
43 0.0 17.4 26.0#
58 0.0 46.8 70.2#



#50
Toluene-d8
Concen: 50.682 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

Tgt Ion: 98 Resp: 433069
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.623 ug/l

RT: 10.577 min Scan# 14

Delta R.T. 0.130 min

Lab File: VN075757.D

Acq: 13 Dec 2022 11:39

Instrument :

MSVOA_N

ClientSampleId :

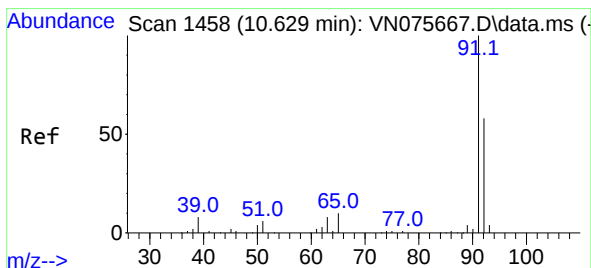
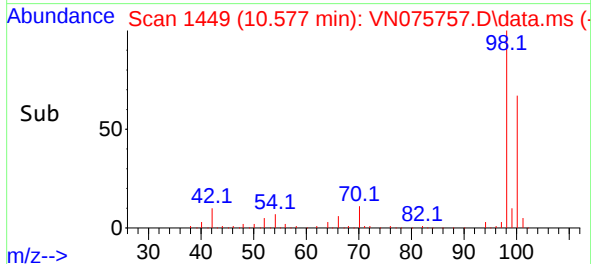
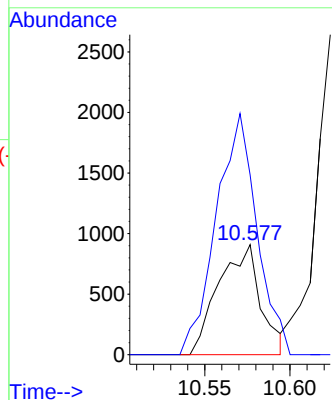
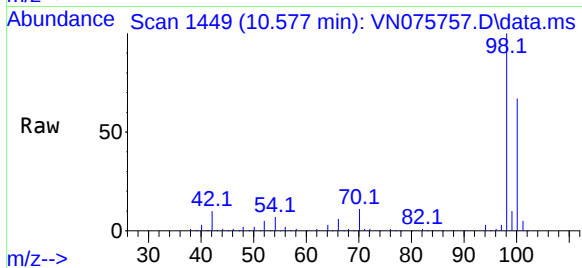
GW-BR-04-148-162-121222

Tgt Ion: 43 Resp: 1556

Ion Ratio Lower Upper

43 100

58 212.7 35.0 52.6#



#52

Toluene

Concen: 105.546 ug/l

RT: 10.630 min Scan# 1458

Delta R.T. 0.000 min

Lab File: VN075757.D

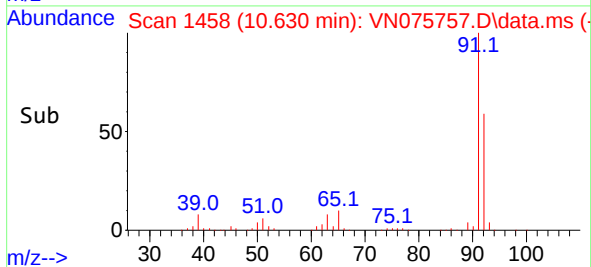
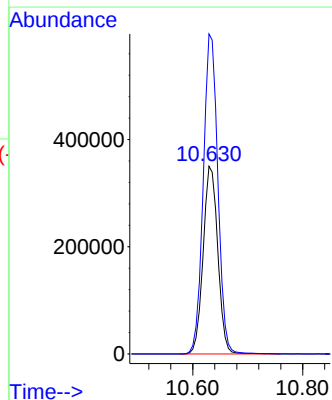
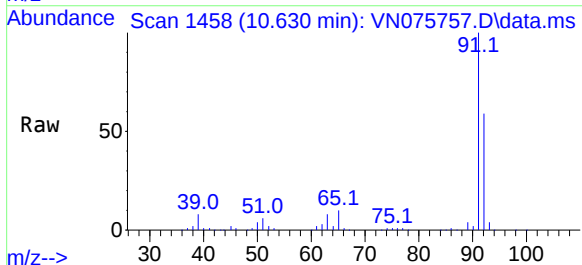
Acq: 13 Dec 2022 11:39

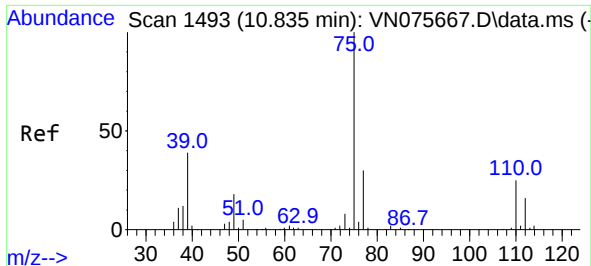
Tgt Ion: 92 Resp: 646841

Ion Ratio Lower Upper

92 100

91 169.9 137.9 206.9

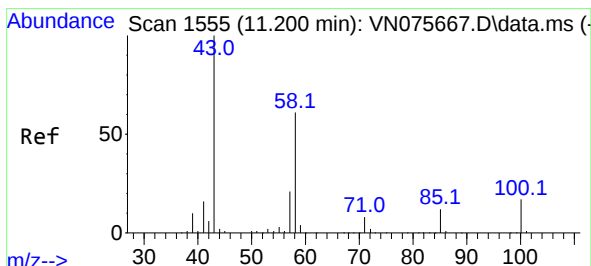
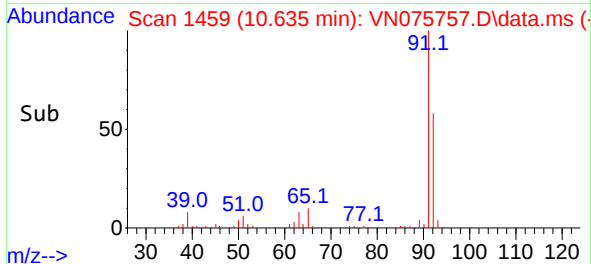
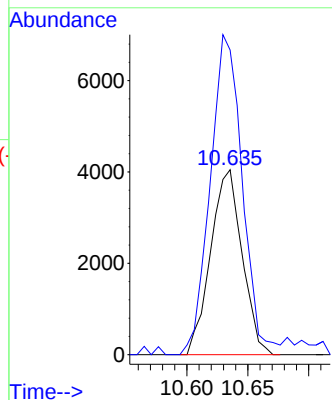
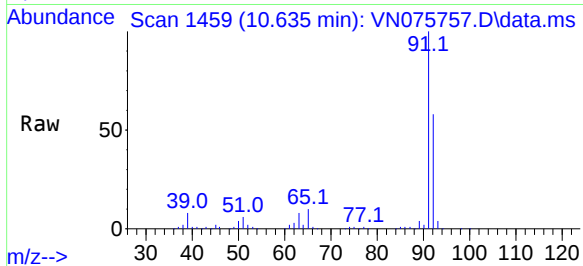




#53
t-1,3-Dichloropropene
Concen: 2.269 ug/l
RT: 10.635 min Scan# 1493
Delta R.T. -0.200 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

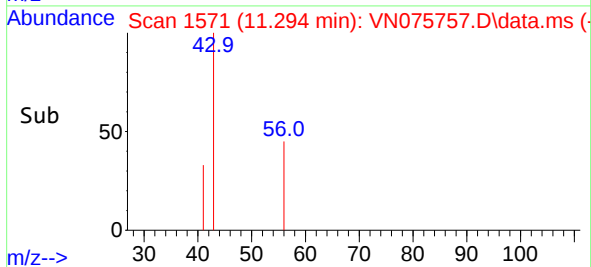
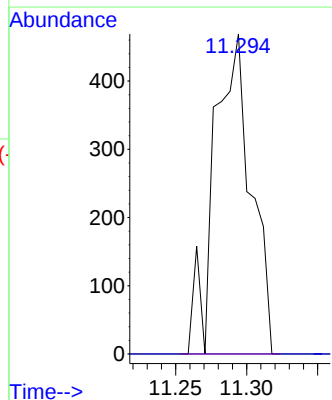
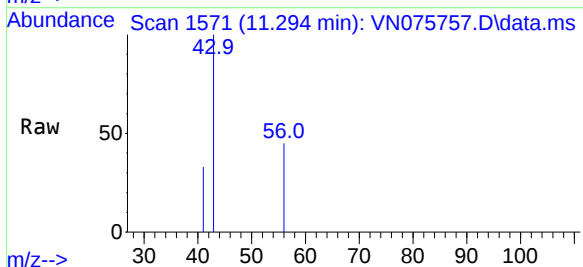
Instrument : MSVOA_N
ClientSampleId : GW-BR-04-148-162-121222

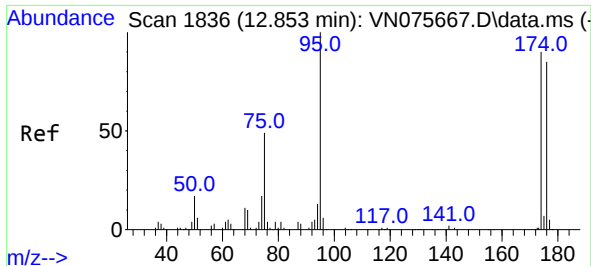
Tgt Ion: 75 Resp: 7275
Ion Ratio Lower Upper
75 100
77 164.7 24.3 36.5#



#59
2-Hexanone
Concen: 0.466 ug/l
RT: 11.294 min Scan# 1571
Delta R.T. 0.094 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

Tgt Ion: 43 Resp: 846
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#

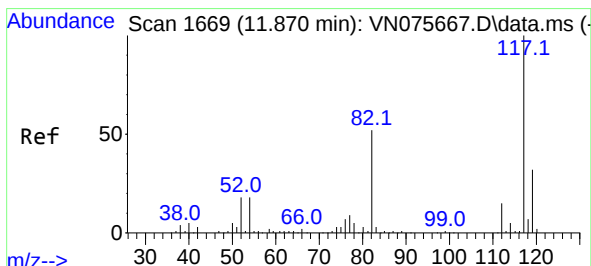
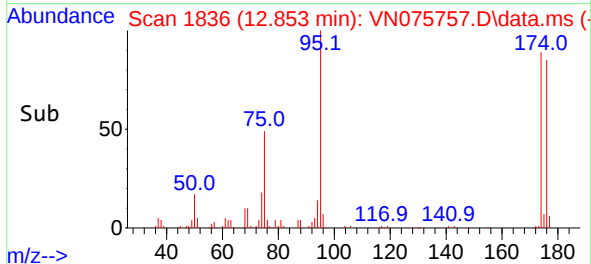
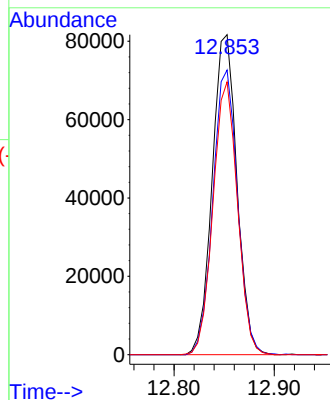
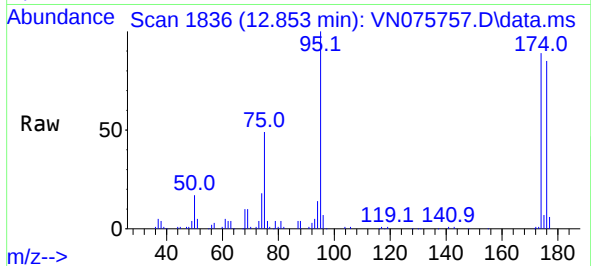




#62
4-Bromofluorobenzene
Concen: 47.786 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

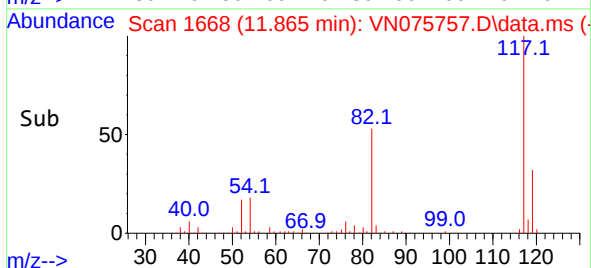
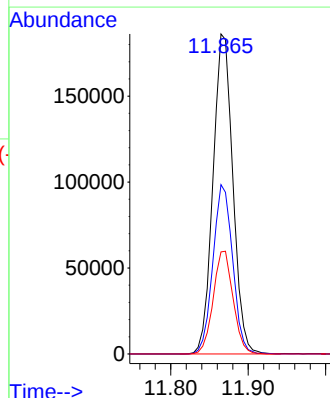
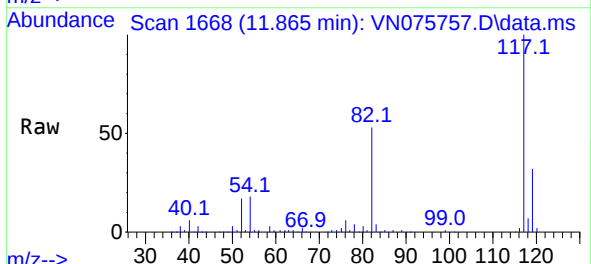
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-148-162-121222

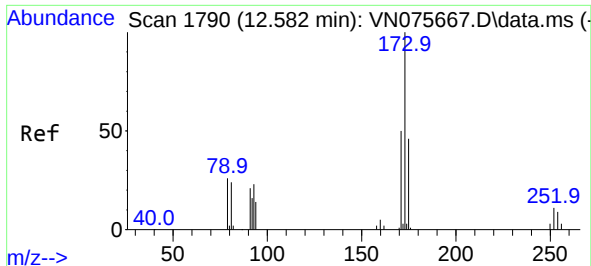
Tgt Ion: 95 Resp: 139607
Ion Ratio Lower Upper
95 100
174 88.7 0.0 178.6
176 84.0 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

Tgt Ion: 117 Resp: 332008
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.8
119 31.9 25.8 38.6

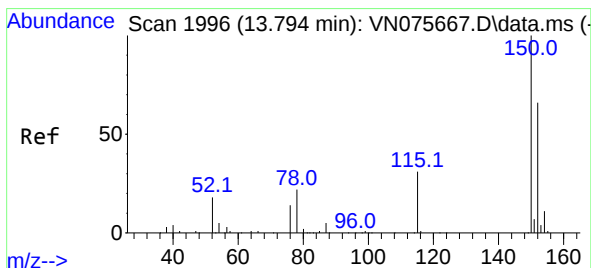
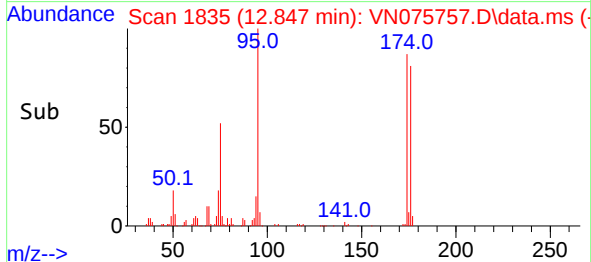
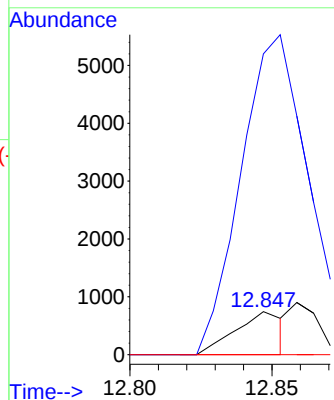
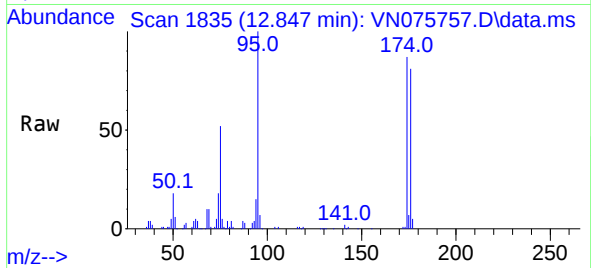




#71
Bromoform
Concen: 0.459 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

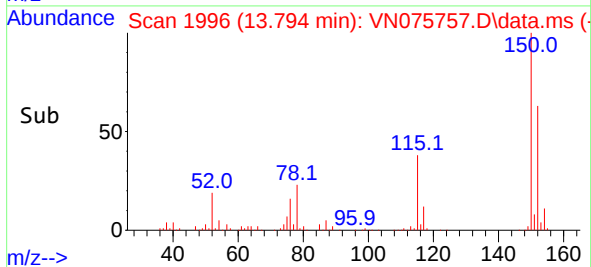
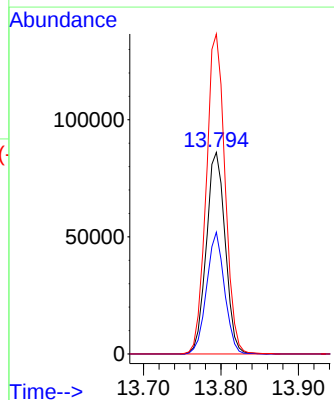
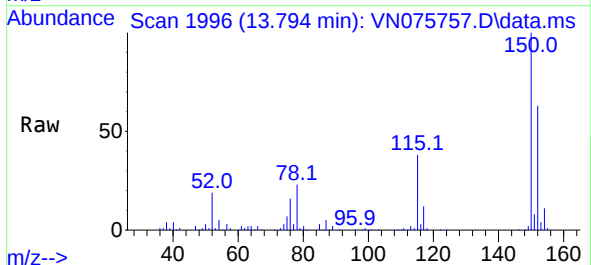
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-148-162-121222

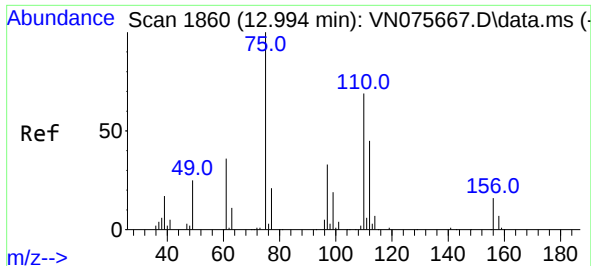
Tgt Ion:173 Resp: 864
Ion Ratio Lower Upper
173 100
175 874.2 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

Tgt Ion:152 Resp: 145673
Ion Ratio Lower Upper
152 100
115 57.4 28.4 85.2
150 157.7 0.0 347.6

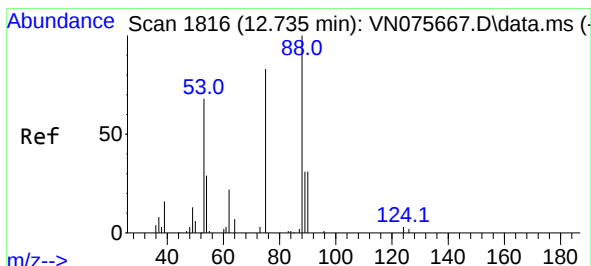
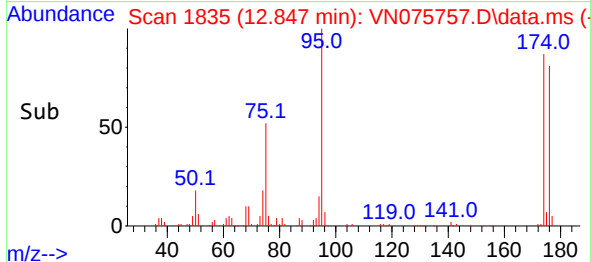
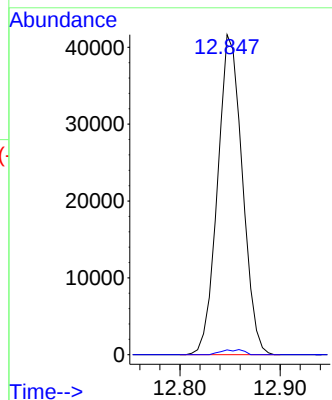
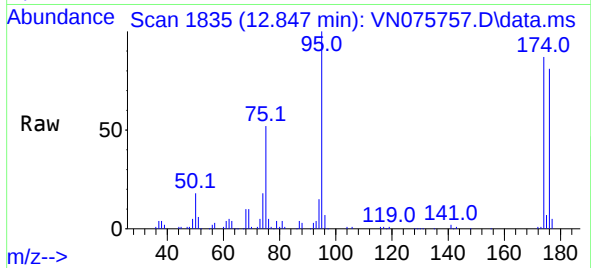




#76
1,2,3-Trichloropropane
Concen: 24.365 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

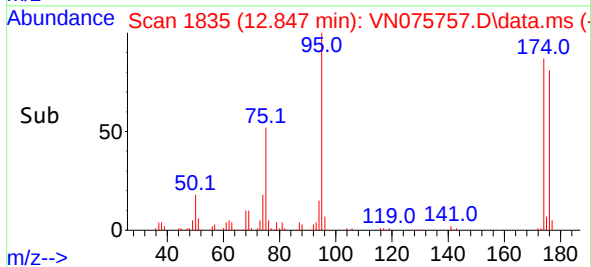
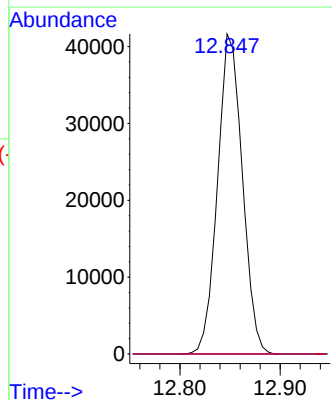
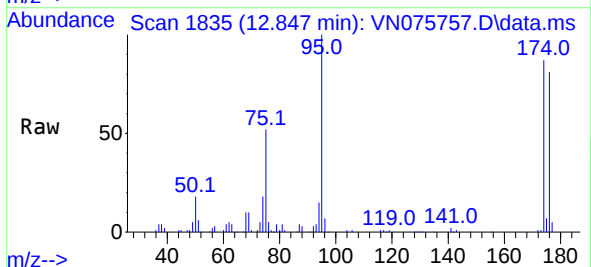
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-148-162-121222

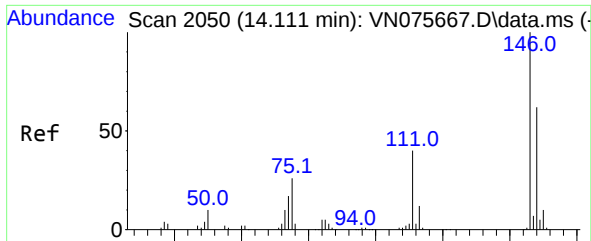
Tgt Ion: 75 Resp: 71280
Ion Ratio Lower Upper
75 100
77 1.4 81.8 245.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.806 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

Tgt Ion: 75 Resp: 71280
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#





#91
1,2-Dichlorobenzene
Concen: 0.213 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.006 min
Lab File: VN075757.D
Acq: 13 Dec 2022 11:39

Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-148-162-121222

Tgt Ion:146	Resp:	1041
Ion	Ratio	Lower Upper
146	100	
111	36.8	20.1 60.3
148	63.1	31.9 95.5

