

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075714.D
 Acq On : 12 Dec 2022 15:41
 Operator : JC\MD
 Sample : N6000-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-BR-04-138-152-120922

Quant Time: Dec 13 01:33:35 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

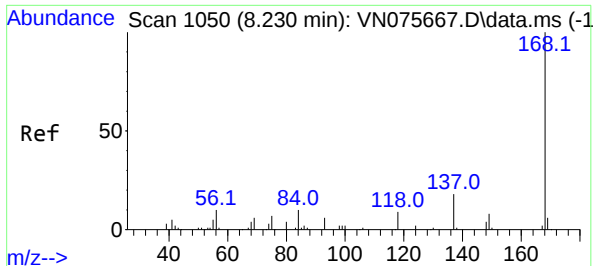
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	227972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	350192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	308285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	115906	47.918	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.840%
35) Dibromofluoromethane	8.171	113	103458	48.422	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.840%
50) Toluene-d8	10.571	98	409080	50.983	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.960%
62) 4-Bromofluorobenzene	12.853	95	125126	45.610	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.220%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.359	96	16809	8.607	ug/l	91
24) 1,1-Dichloroethane	6.594	63	2336	0.641	ug/l #	79
27) cis-1,2-Dichloroethene	7.500	96	28077	10.597	ug/l	92
31) Cyclohexane	8.230	56	4242	1.184	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	15821	5.577	ug/l #	47
38) Carbon Tetrachloride	8.230	117	22032	6.730	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	1184	0.407	ug/l	85
44) Trichloroethene	9.359	130	10897	4.436	ug/l	92
49) 1,4-Dioxane	9.712	88	60	1.409	ug/l #	30
51) 4-Methyl-2-Pentanone	10.571	43	1437	0.613	ug/l #	1
52) Toluene	10.635	92	542666	94.297	ug/l	99
53) t-1,3-Dichloropropene	10.635	75	6103	2.027	ug/l #	1
65) Chlorobenzene	11.900	112	1333	0.210	ug/l #	43
71) Bromoform	12.853	173	1165	0.666	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	64580	24.765	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	64580	79.038	ug/l #	13
91) 1,2-Dichlorobenzene	14.111	146	1135	0.260	ug/l #	76
95) Naphthalene	15.653	128	1706	0.276	ug/l #	80

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

Quant Time: Dec 13 01:33:35 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





#1 Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN075714.D

Acq: 12 Dec 2022 15:41

Instrument :

MSVOA_N

ClientSampleId :

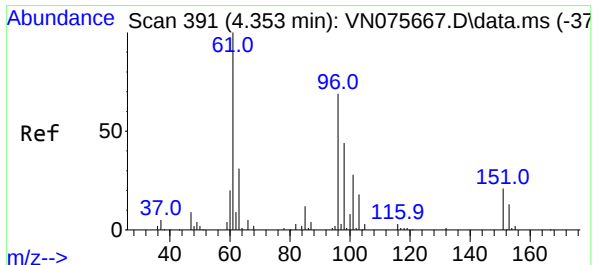
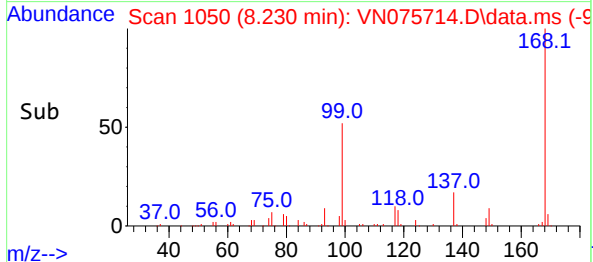
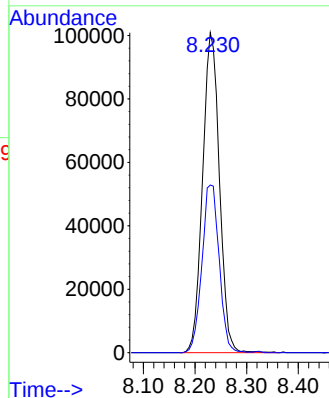
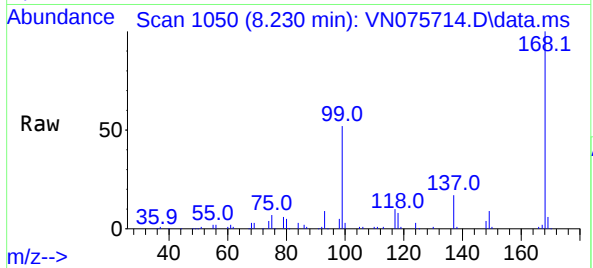
GW-BR-04-138-152-120922

Tgt Ion:168 Resp: 227972

Ion Ratio Lower Upper

168 100

99 52.4 41.2 61.8



#12

1,1-Dichloroethene

Concen: 8.607 ug/l

RT: 4.359 min Scan# 392

Delta R.T. 0.006 min

Lab File: VN075714.D

Acq: 12 Dec 2022 15:41

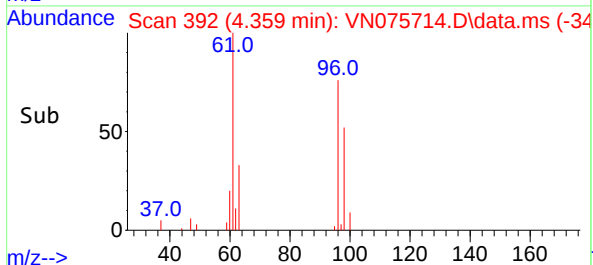
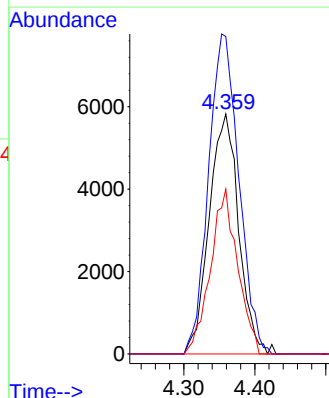
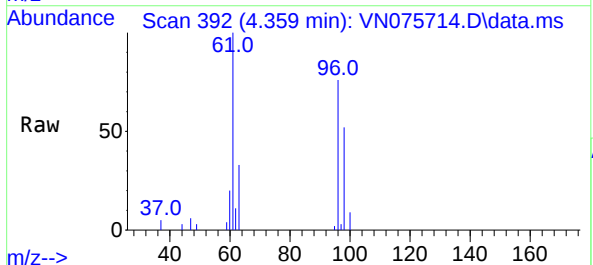
Tgt Ion: 96 Resp: 16809

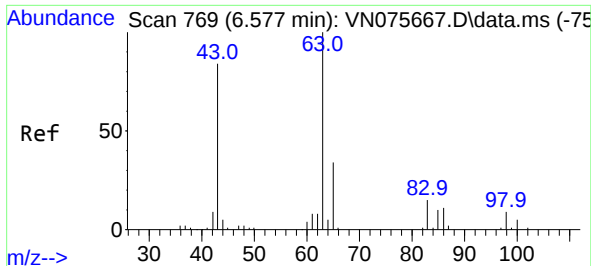
Ion Ratio Lower Upper

96 100

61 132.2 116.8 175.2

98 68.6 51.6 77.4

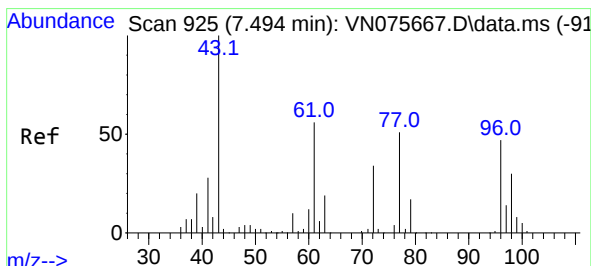
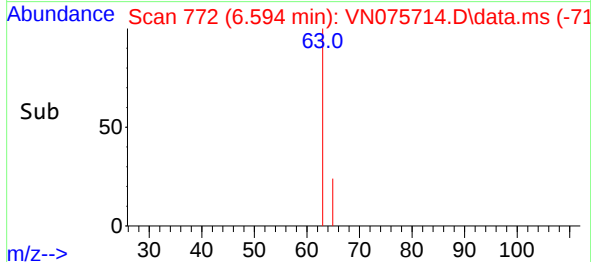
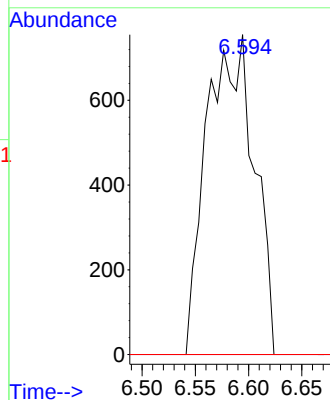
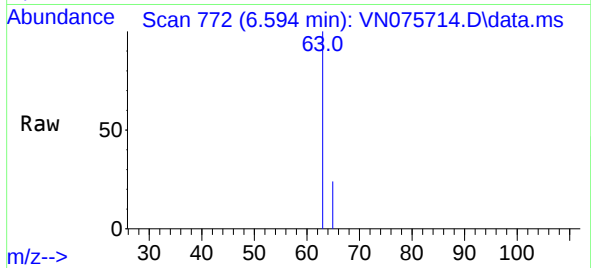




#24
1,1-Dichloroethane
Concen: 0.641 ug/l
RT: 6.594 min Scan# 71
Delta R.T. 0.018 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

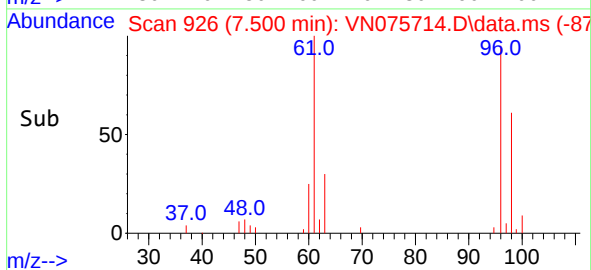
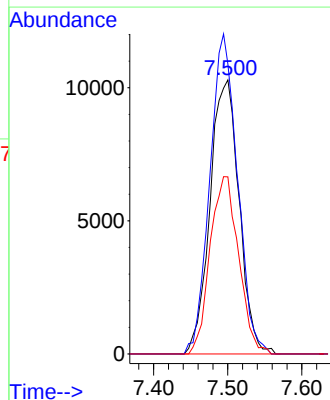
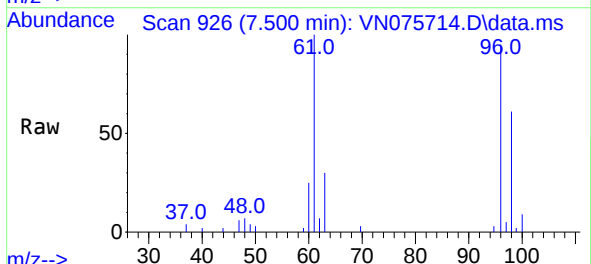
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-138-152-120922

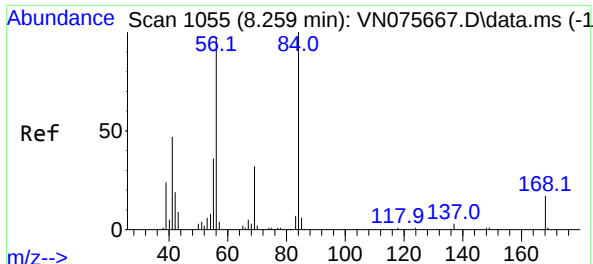
Tgt Ion: 63 Resp: 2336
Ion Ratio Lower Upper
63 100
98 0.0 4.3 12.9#
100 0.0 2.6 7.8#



#27
cis-1,2-Dichloroethene
Concen: 10.597 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

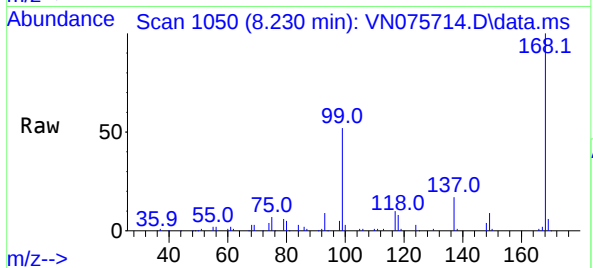
Tgt Ion: 96 Resp: 28077
Ion Ratio Lower Upper
96 100
61 110.9 0.0 247.8
98 63.5 0.0 126.0



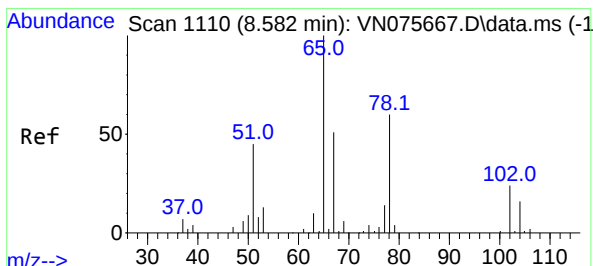
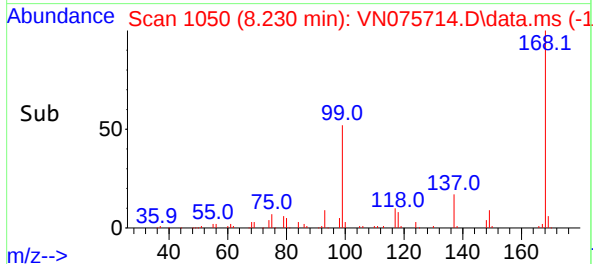
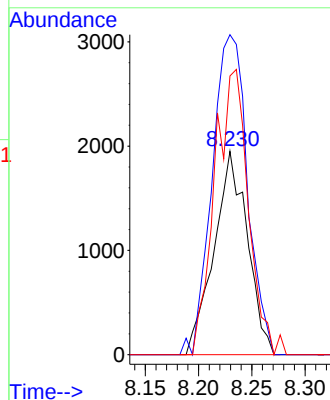


#31
Cyclohexane
Concen: 1.184 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-138-152-120922

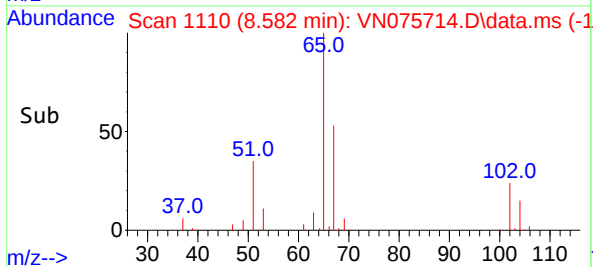
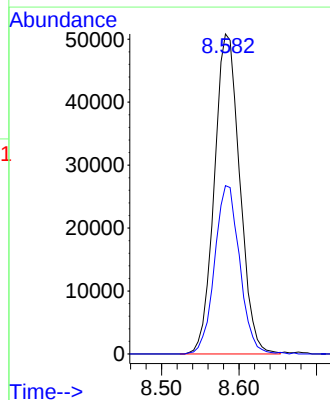
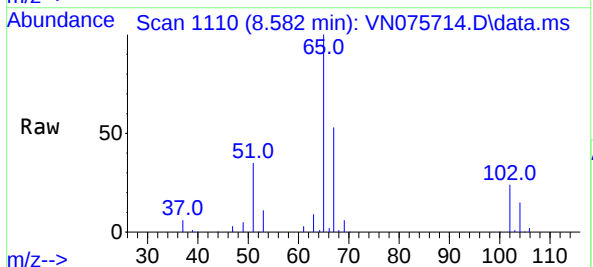


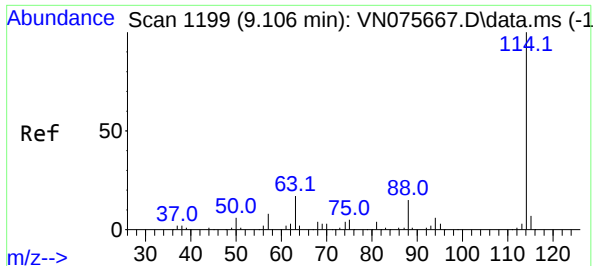
Tgt Ion: 56 Resp: 4242
Ion Ratio Lower Upper
56 100
69 157.3 26.2 39.2#
84 137.0 82.8 124.2#



#33
1,2-Dichloroethane-d4
Concen: 47.918 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

Tgt Ion: 65 Resp: 115906
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.2

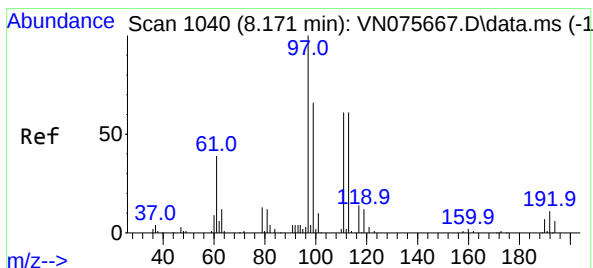
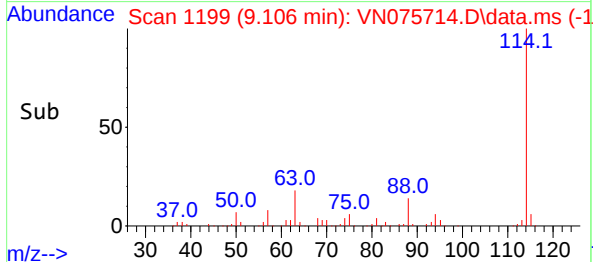
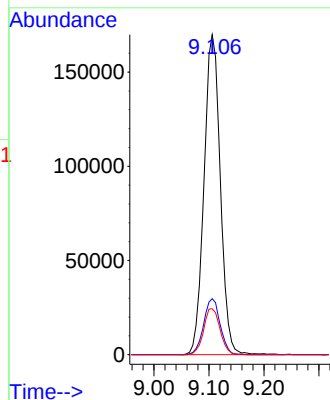
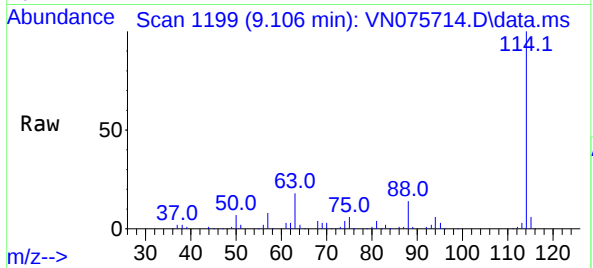




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

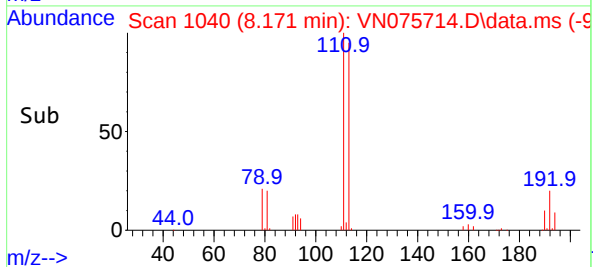
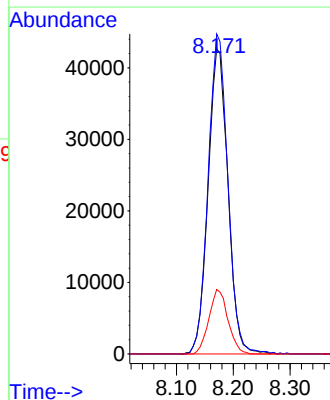
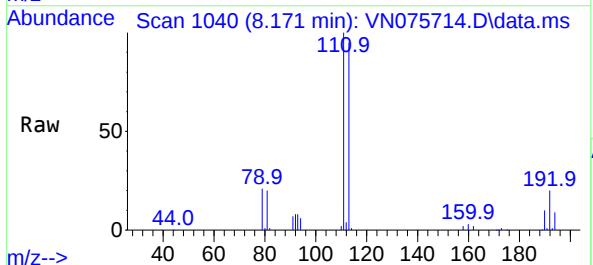
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-138-152-120922

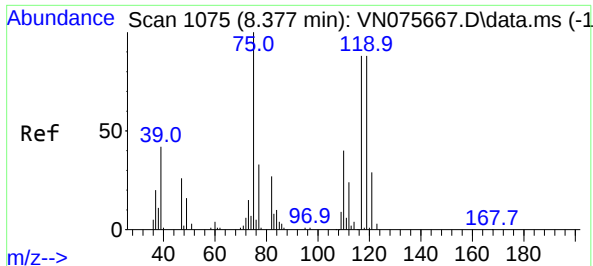
Tgt Ion:114 Resp: 350192
Ion Ratio Lower Upper
114 100
63 17.5 0.0 34.4
88 14.3 0.0 29.2



#35
Dibromofluoromethane
Concen: 48.422 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

Tgt Ion:113 Resp: 103458
Ion Ratio Lower Upper
113 100
111 104.0 81.0 121.6
192 20.2 16.2 24.2





#36

1,1-Dichloropropene

Concen: 5.577 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN075714.D

Acq: 12 Dec 2022 15:41

Instrument :

MSVOA_N

ClientSampleId :

GW-BR-04-138-152-120922

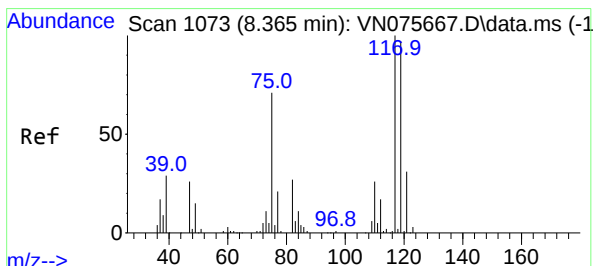
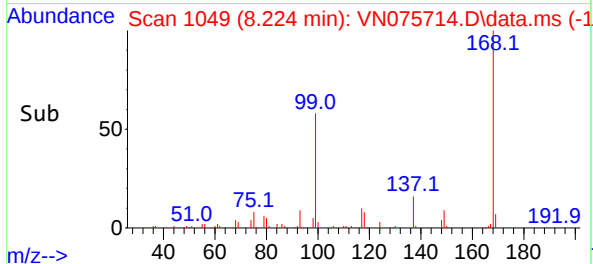
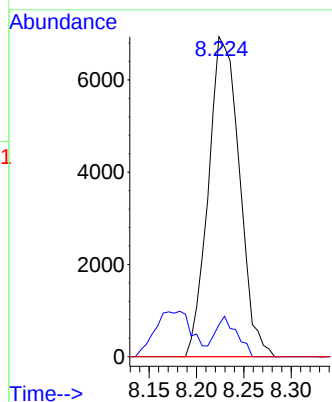
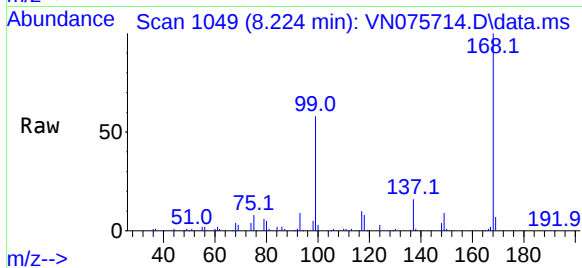
Tgt Ion: 75 Resp: 15821

Ion Ratio Lower Upper

75 100

110 8.6 18.9 56.9#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.730 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075714.D

Acq: 12 Dec 2022 15:41

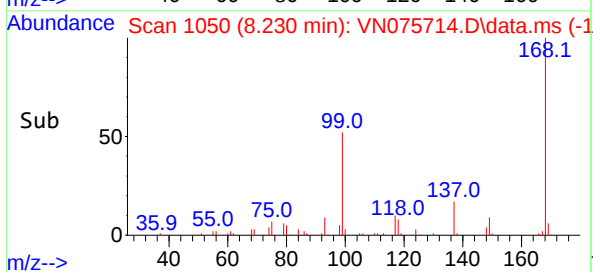
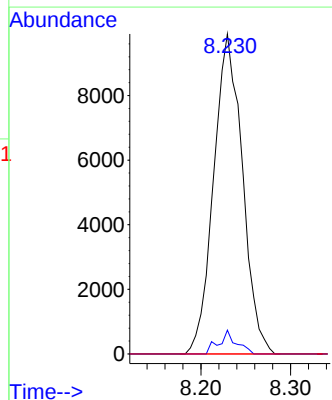
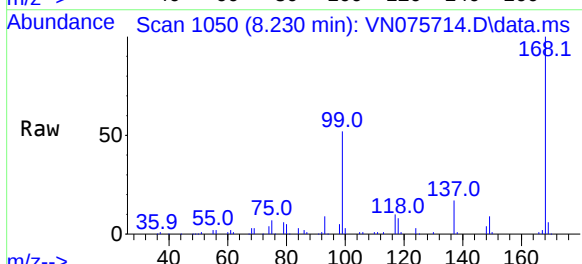
Tgt Ion: 117 Resp: 22032

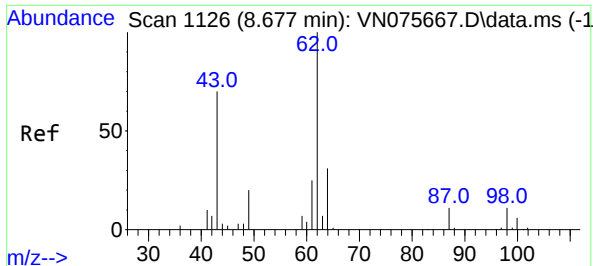
Ion Ratio Lower Upper

117 100

119 7.5 77.2 115.8#

121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.407 ug/l

RT: 8.682 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN075714.D

Acq: 12 Dec 2022 15:41

Instrument :

MSVOA_N

ClientSampleId :

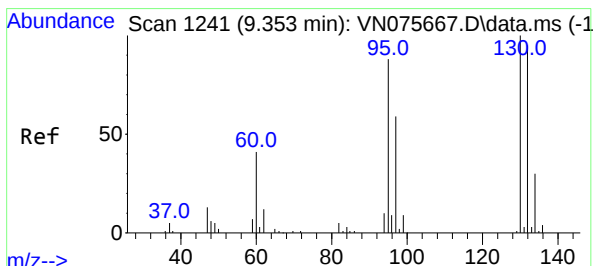
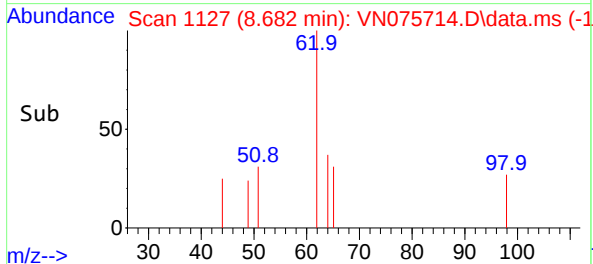
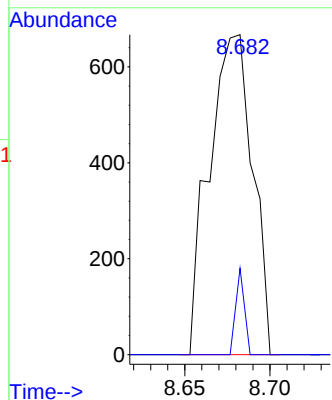
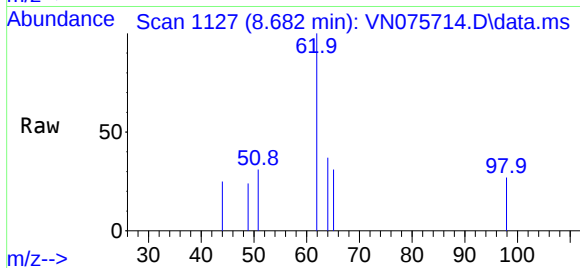
GW-BR-04-138-152-120922

Tgt Ion: 62 Resp: 1184

Ion Ratio Lower Upper

62 100

98 5.4 0.0 21.8



#44

Trichloroethene

Concen: 4.436 ug/l

RT: 9.359 min Scan# 1242

Delta R.T. 0.006 min

Lab File: VN075714.D

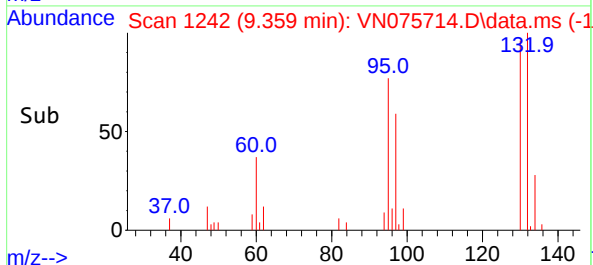
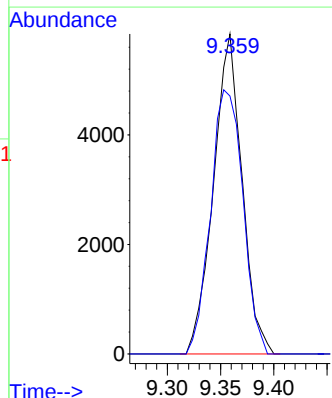
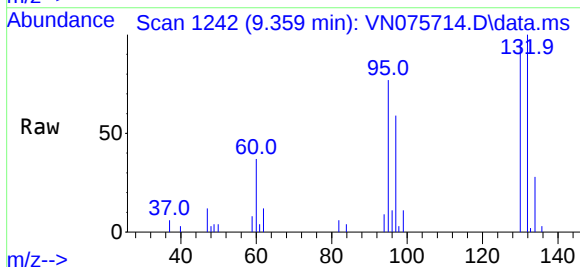
Acq: 12 Dec 2022 15:41

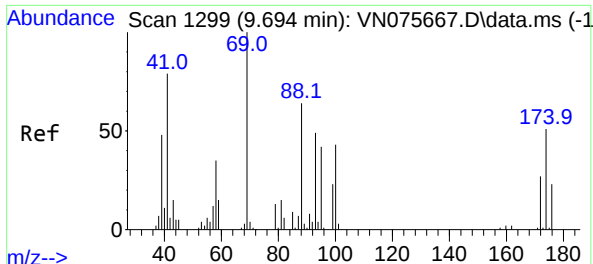
Tgt Ion: 130 Resp: 10897

Ion Ratio Lower Upper

130 100

95 80.6 0.0 176.8

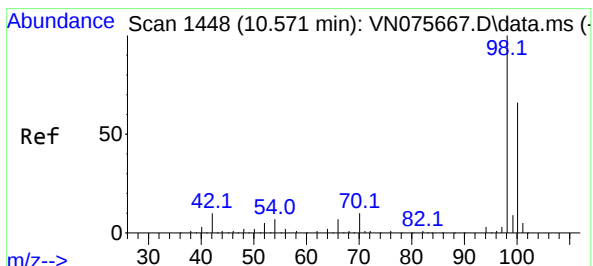
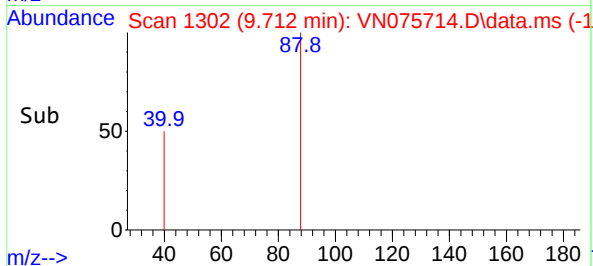
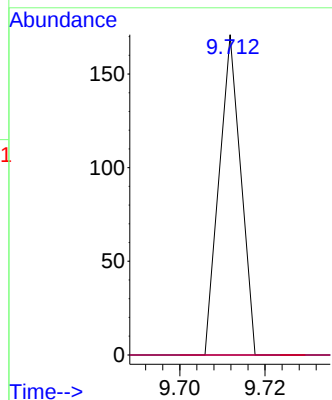
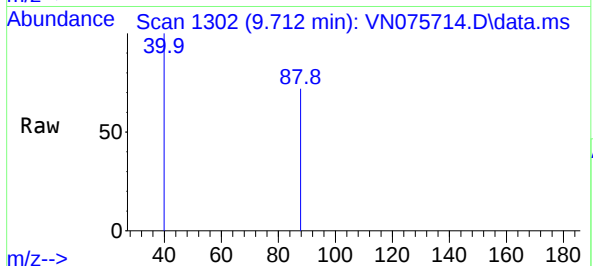




#49
1,4-Dioxane
Concen: 1.409 ug/l
RT: 9.712 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

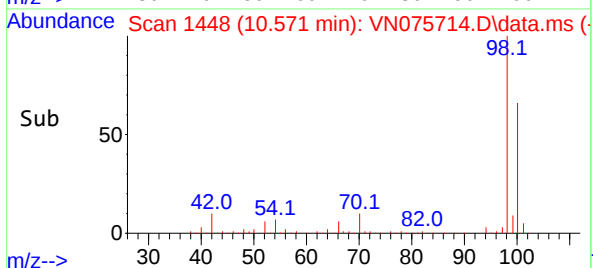
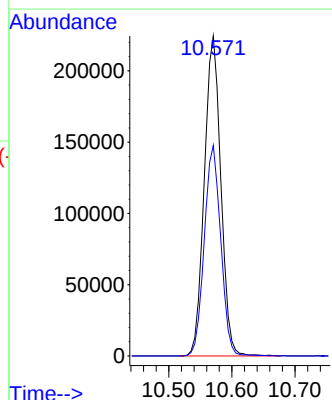
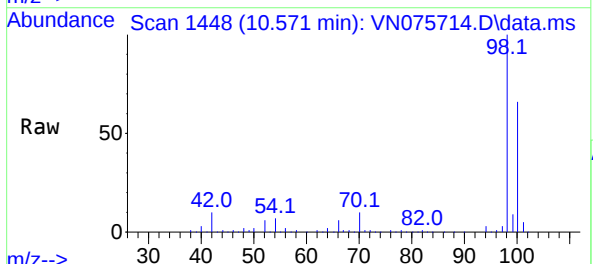
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-138-152-120922

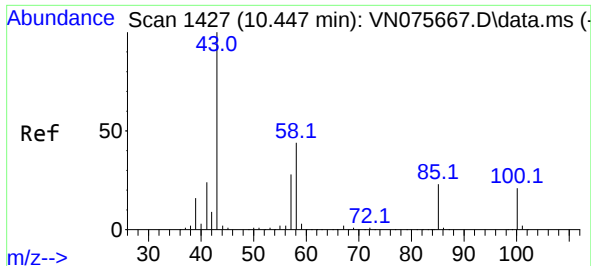
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 17.4 26.0#
58 0.0 46.8 70.2#



#50
Toluene-d8
Concen: 50.983 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

Tgt Ion: 98 Resp: 409080
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8

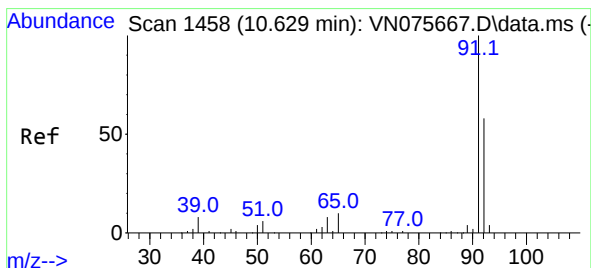
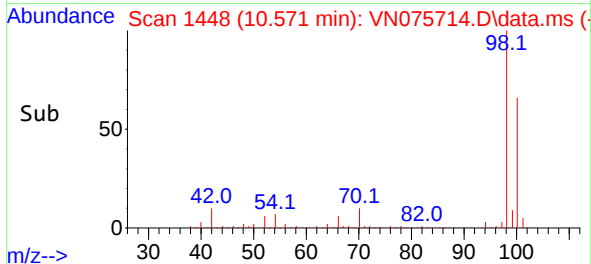
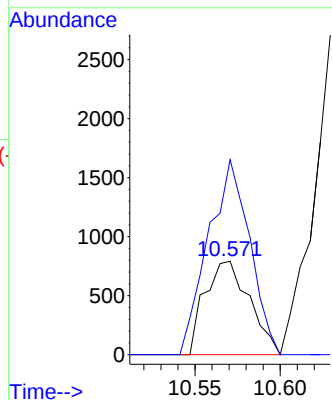
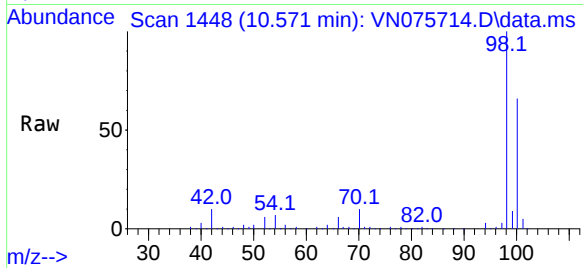




#51
4-Methyl-2-Pentanone
Concen: 0.613 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.124 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

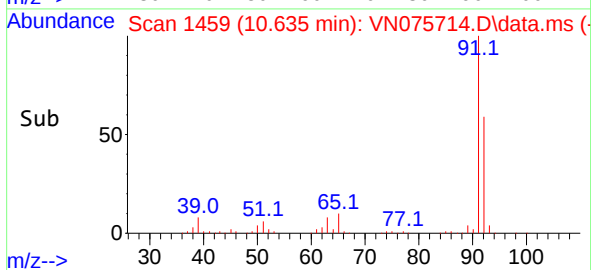
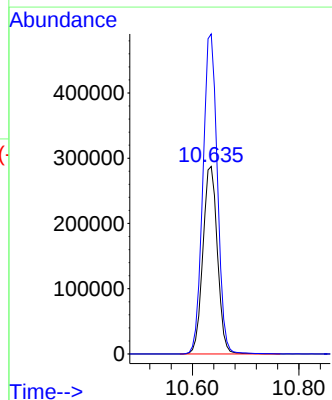
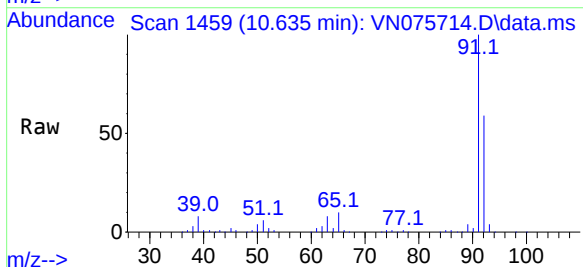
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-138-152-120922

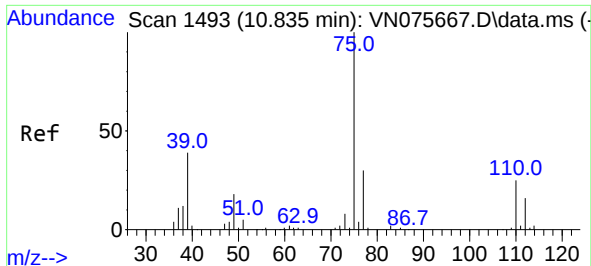
Tgt Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
58 194.9 35.0 52.6#



#52
Toluene
Concen: 94.297 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

Tgt Ion: 92 Resp: 542666
Ion Ratio Lower Upper
92 100
91 170.4 137.9 206.9

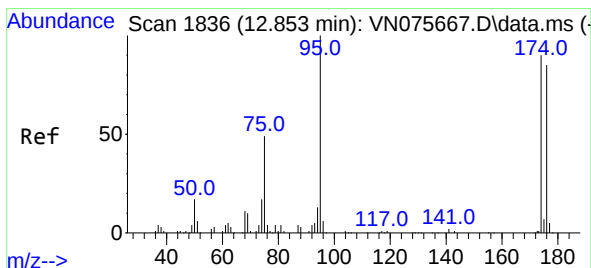
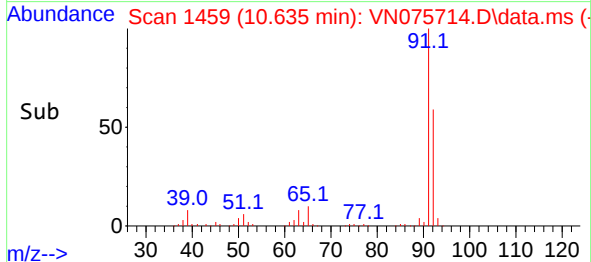
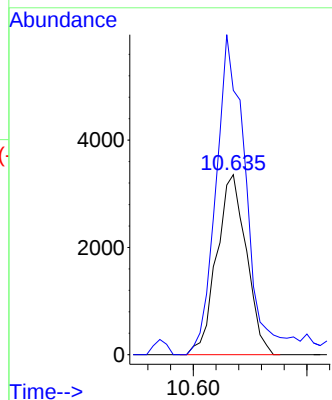
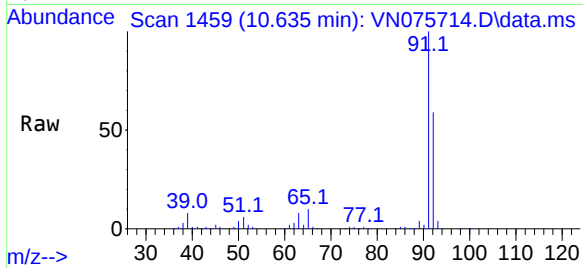




#53
t-1,3-Dichloropropene
Concen: 2.027 ug/l
RT: 10.635 min Scan# 1493
Delta R.T. -0.200 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

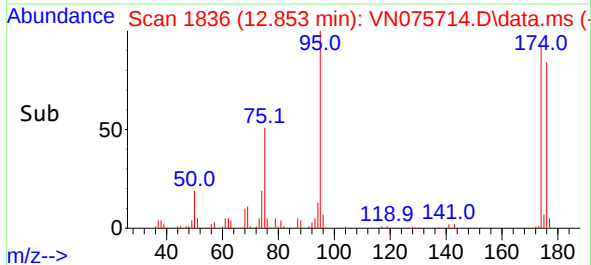
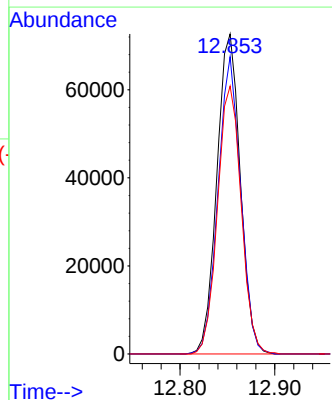
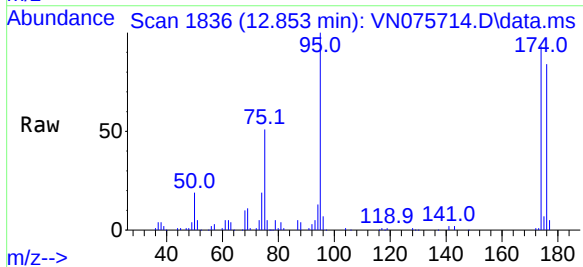
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-138-152-120922

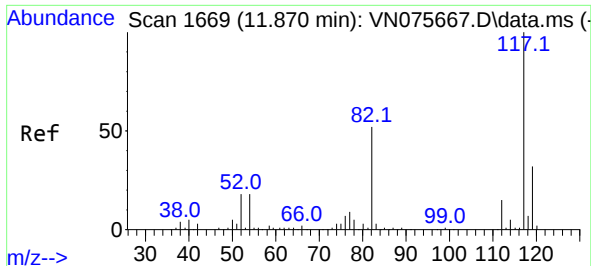
Tgt Ion: 75 Resp: 6103
Ion Ratio Lower Upper
75 100
77 146.8 24.3 36.5#



#62
4-Bromofluorobenzene
Concen: 45.610 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

Tgt Ion: 95 Resp: 125126
Ion Ratio Lower Upper
95 100
174 89.7 0.0 178.6
176 84.5 0.0 170.8

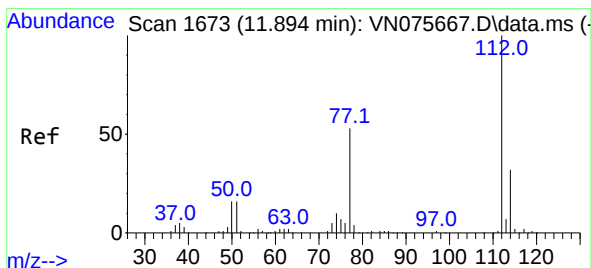
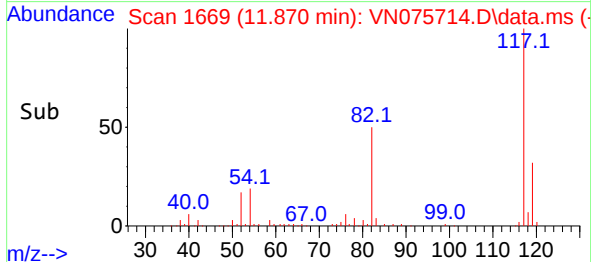
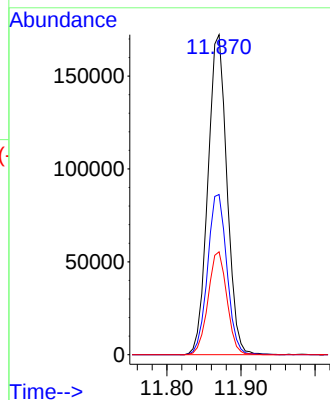
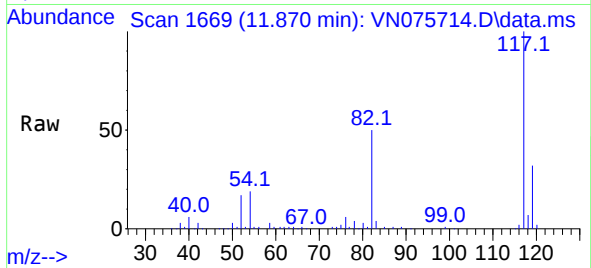




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

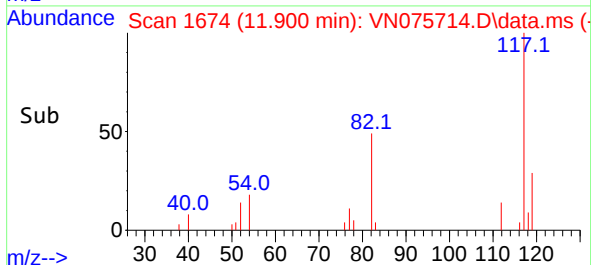
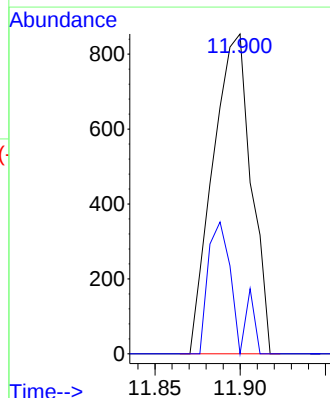
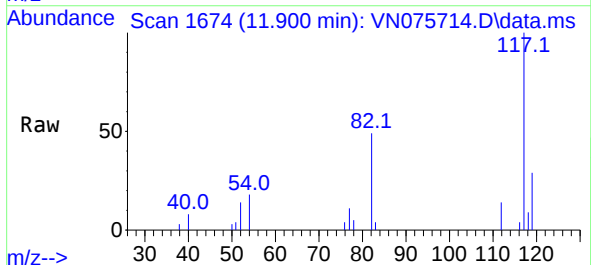
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-138-152-120922

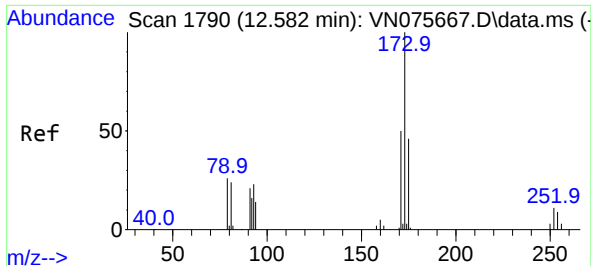
Tgt Ion:117 Resp: 308285
Ion Ratio Lower Upper
117 100
82 50.0 41.8 62.8
119 32.1 25.8 38.6



#65
Chlorobenzene
Concen: 0.210 ug/l
RT: 11.900 min Scan# 1674
Delta R.T. 0.006 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

Tgt Ion:112 Resp: 1333
Ion Ratio Lower Upper
112 100
114 0.0 25.5 38.3#

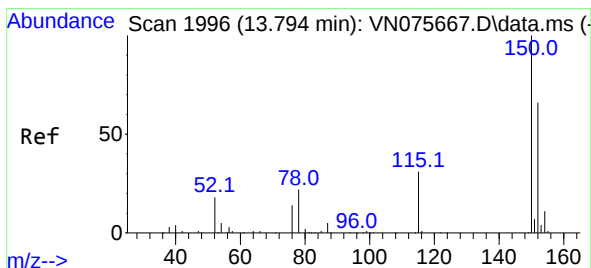
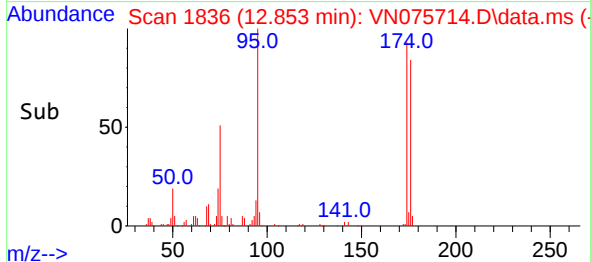
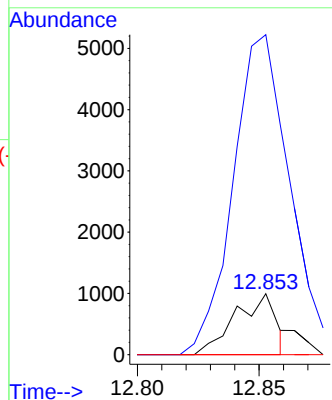
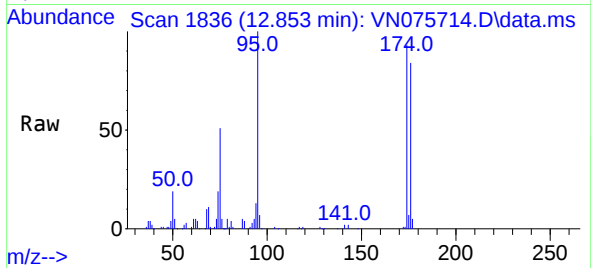




#71
Bromoform
Concen: 0.666 ug/l
RT: 12.853 min Scan# 1165
Delta R.T. 0.271 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

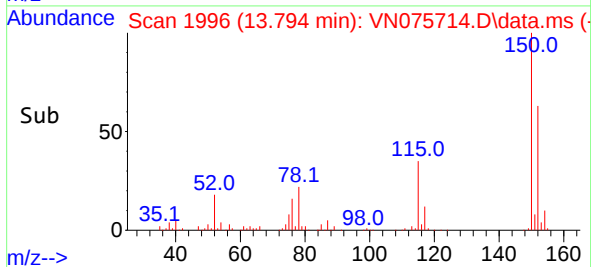
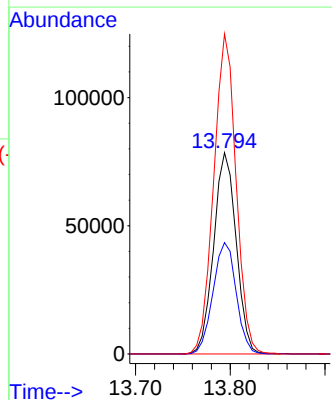
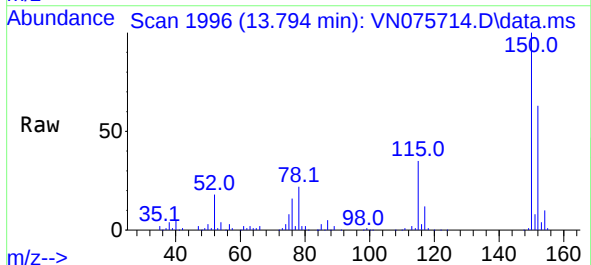
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-138-152-120922

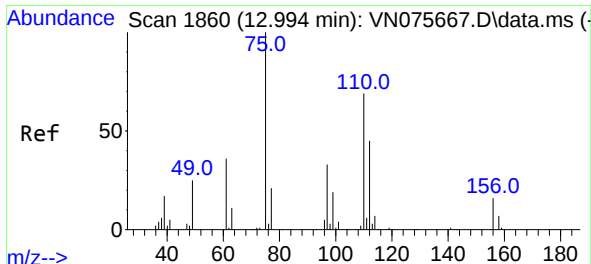
Tgt Ion:173 Resp: 1165
Ion Ratio Lower Upper
173 100
175 598.8 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

Tgt Ion:152 Resp: 129851
Ion Ratio Lower Upper
152 100
115 56.9 28.4 85.2
150 157.5 0.0 347.6

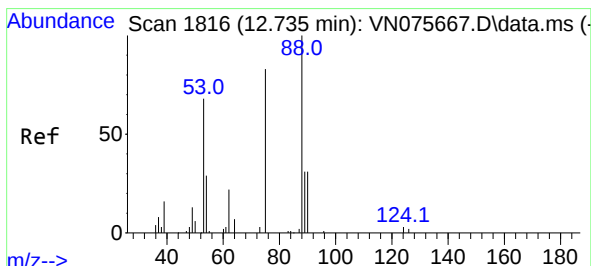
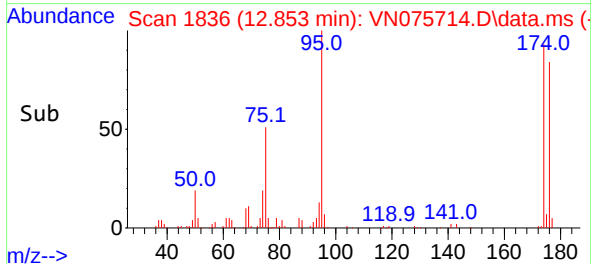
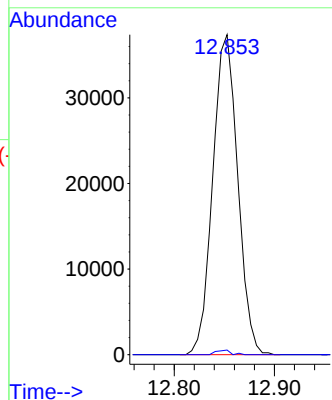
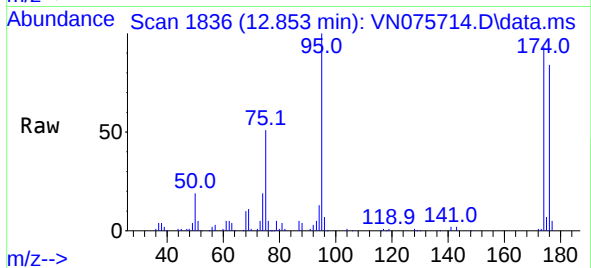




#76
1,2,3-Trichloropropane
Concen: 24.765 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

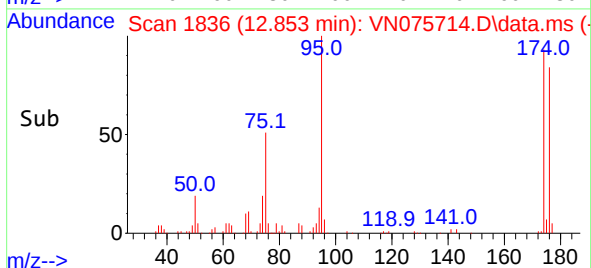
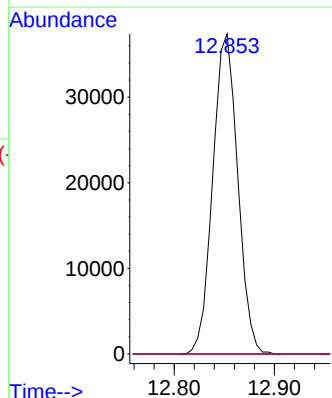
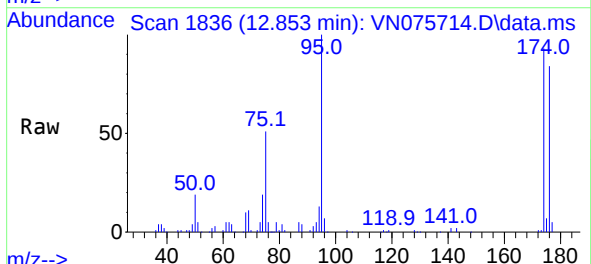
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-138-152-120922

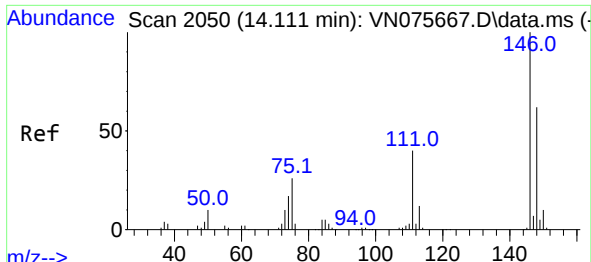
Tgt Ion: 75 Resp: 64580
Ion Ratio Lower Upper
75 100
77 0.8 81.8 245.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.038 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075714.D
Acq: 12 Dec 2022 15:41

Tgt Ion: 75 Resp: 64580
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: 0.260 ug/l

RT: 14.111 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VN075714.D

Acq: 12 Dec 2022 15:41

Instrument :

MSVOA_N

ClientSampleId :

GW-BR-04-138-152-120922

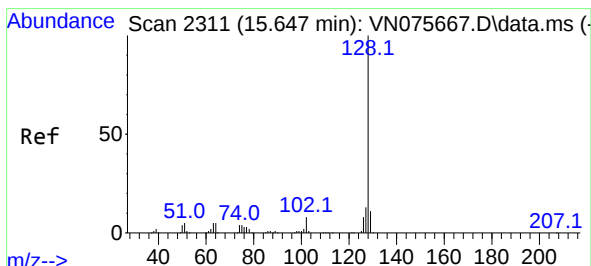
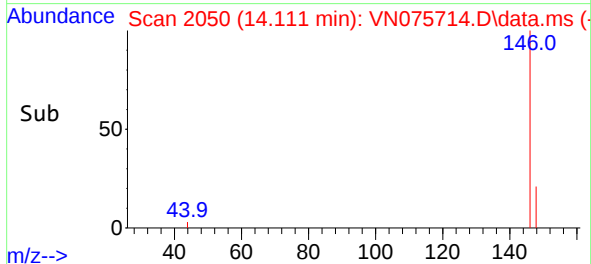
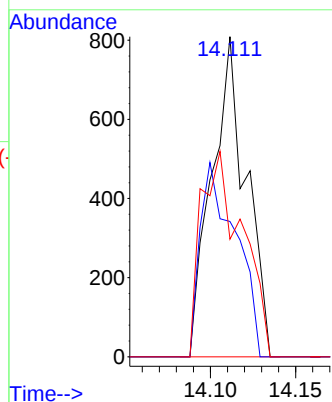
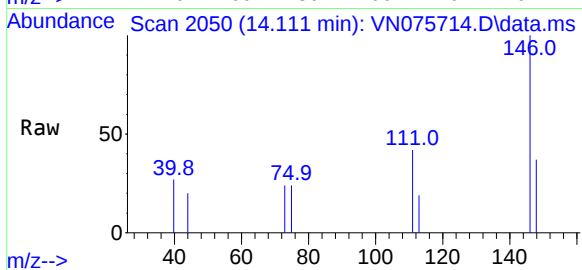
Tgt Ion:146 Resp: 1135

Ion Ratio Lower Upper

146 100

111 62.7 20.1 60.3#

148 76.7 31.9 95.5



#95

Naphthalene

Concen: 0.276 ug/l

RT: 15.653 min Scan# 2312

Delta R.T. 0.006 min

Lab File: VN075714.D

Acq: 12 Dec 2022 15:41

Tgt Ion:128 Resp: 1706

Ion Ratio Lower Upper

128 100

127 4.5 10.2 15.4#

129 3.1 8.4 12.6#

