

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
 Data File : VN084439.D
 Acq On : 21 Oct 2024 16:29
 Operator : JC\MD
 Sample : P4438-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-190-GW-58-60

Quant Time: Oct 22 07:55:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

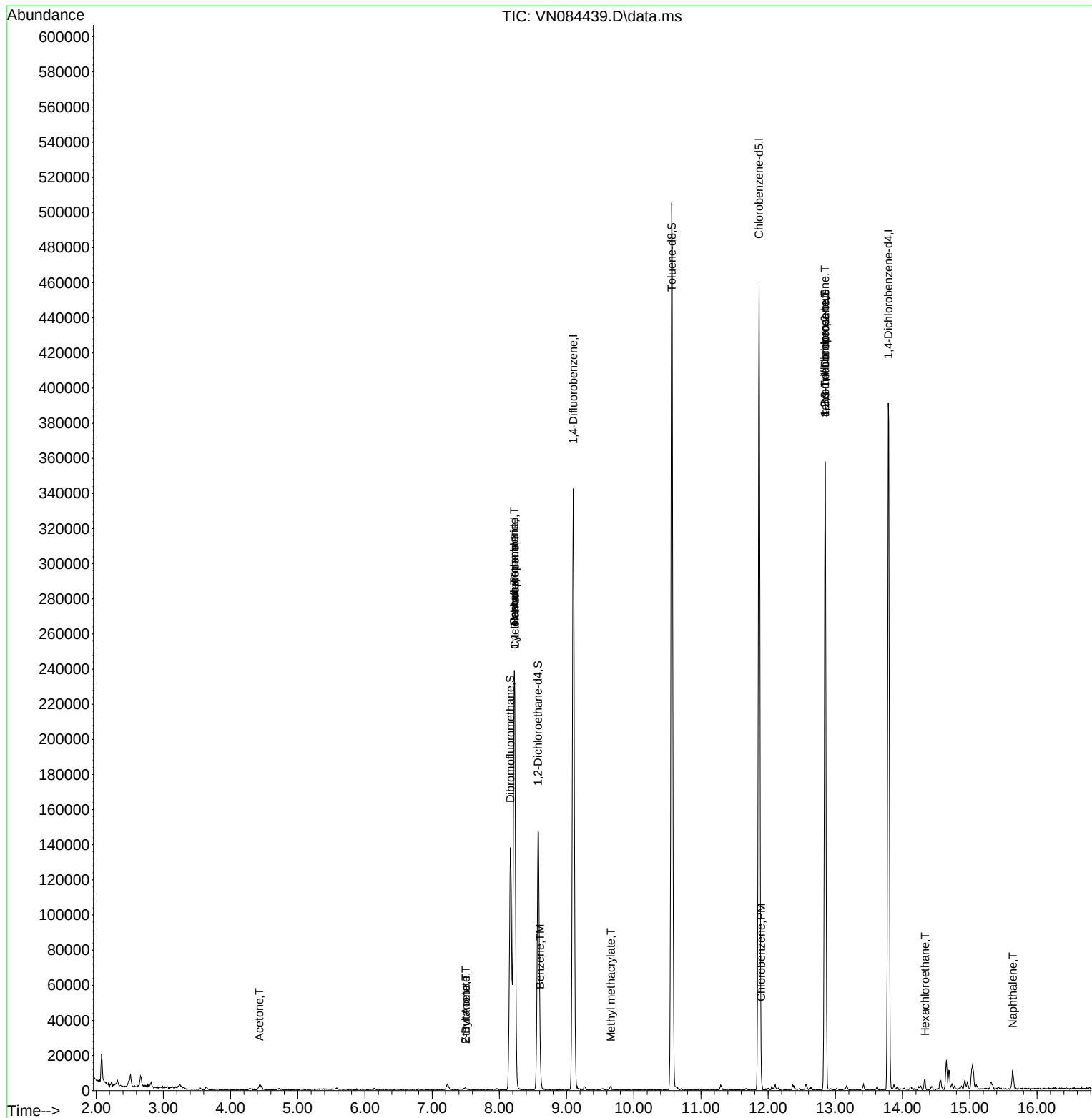
Internal Standards						
1) Pentafluorobenzene	8.224	168	169620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	290778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121477	48.302	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.600%		
35) Dibromofluoromethane	8.165	113	99450	51.878	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.760%		
50) Toluene-d8	10.565	98	351622	49.856	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.720%		
62) 4-Bromofluorobenzene	12.847	95	125637	48.897	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.800%		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	5607	5.190	ug/l	98
25) 2-Butanone	7.500	43	2153	1.463	ug/l #	48
31) Cyclohexane	8.230	56	3645	0.978	ug/l #	7
36) 1,1-Dichloropropene	8.230	75	14559	5.229	ug/l #	50
37) Ethyl Acetate	7.500	43	2153	0.754	ug/l #	69
38) Carbon Tetrachloride	8.224	117	19364	6.340	ug/l #	14
40) Benzene	8.606	78	4608	0.531	ug/l	93
48) Methyl methacrylate	9.659	41	613	0.275	ug/l #	25
65) Chlorobenzene	11.894	112	1367	0.242	ug/l	92
76) 1,2,3-Trichloropropane	12.847	75	64125	29.371	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64125	70.416	ug/l #	11
90) Hexachloroethane	14.335	117	586	0.442	ug/l #	15
95) Naphthalene	15.641	128	9531	1.612	ug/l	97

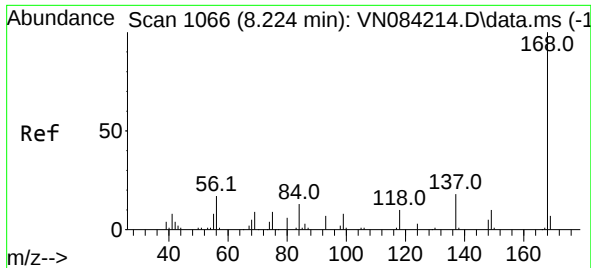
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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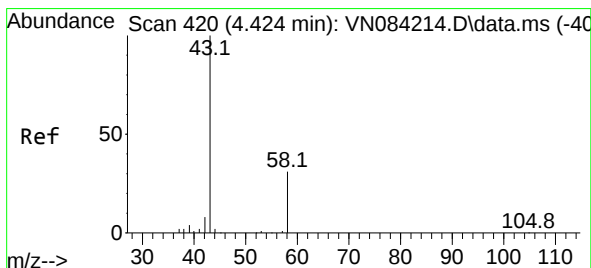
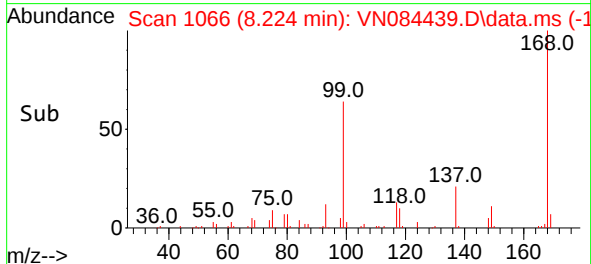
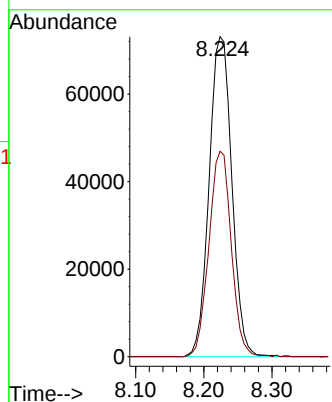
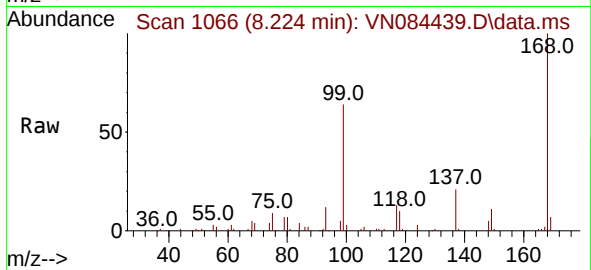




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

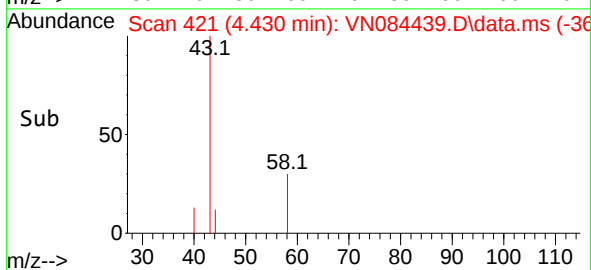
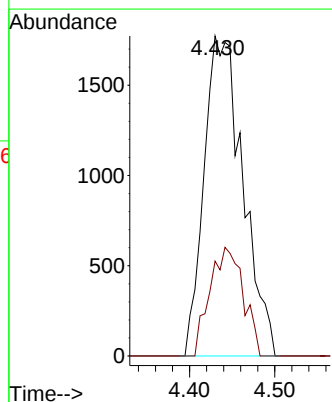
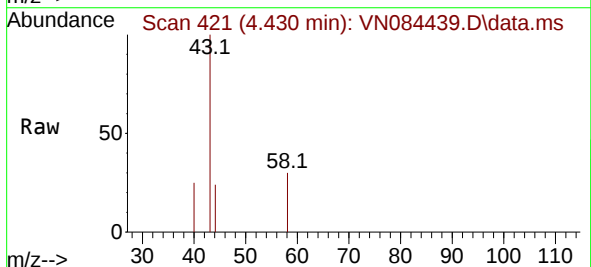
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

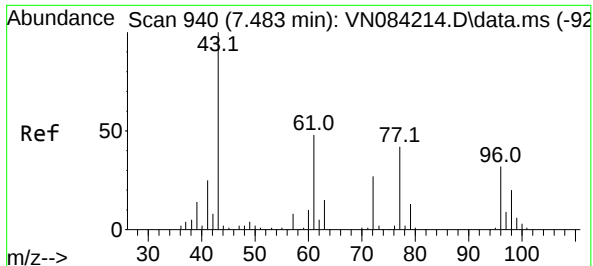
Tgt Ion:168 Resp: 169620
Ion Ratio Lower Upper
168 100
99 64.2 54.2 81.2



#16
Acetone
Concen: 5.190 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Tgt Ion: 43 Resp: 5607
Ion Ratio Lower Upper
43 100
58 29.7 24.4 36.6

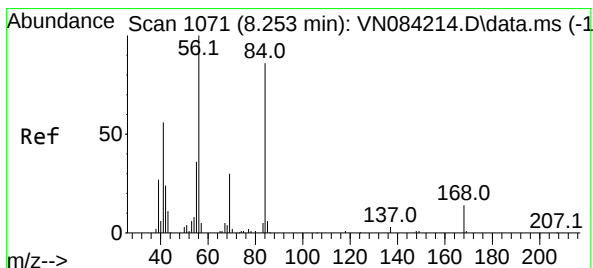
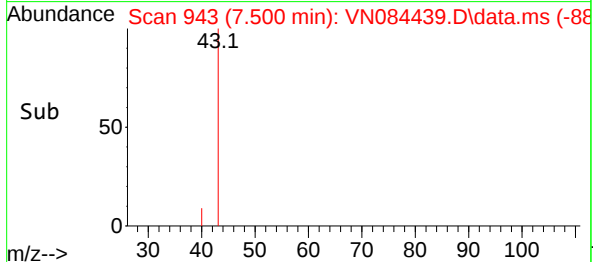
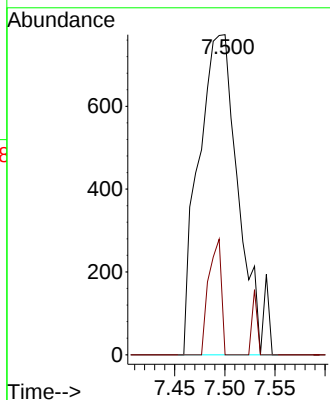
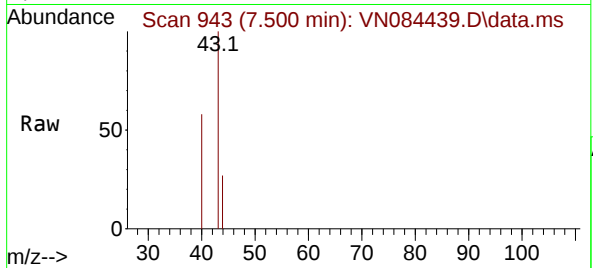




#25
2-Butanone
Concen: 1.463 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

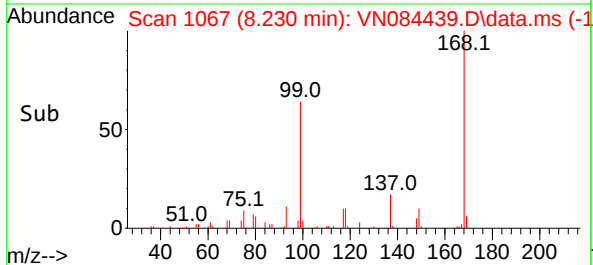
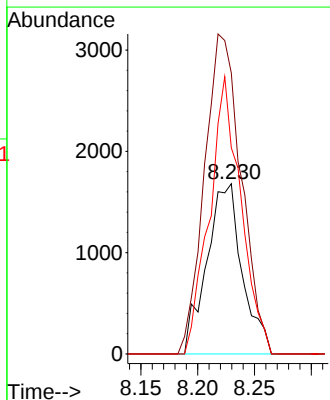
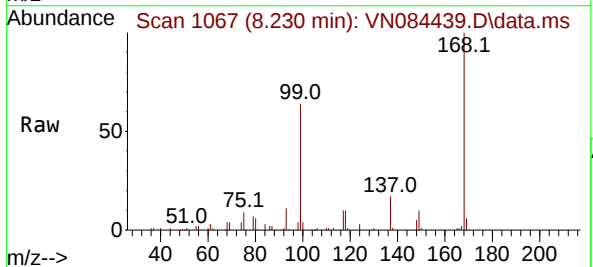
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

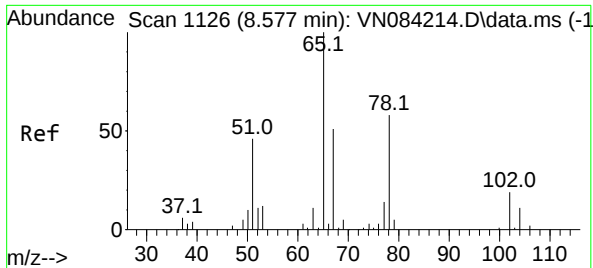
Tgt Ion: 43 Resp: 2153
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 0.978 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Tgt Ion: 56 Resp: 3645
Ion Ratio Lower Upper
56 100
69 165.1 23.8 35.6#
84 121.1 68.8 103.2#

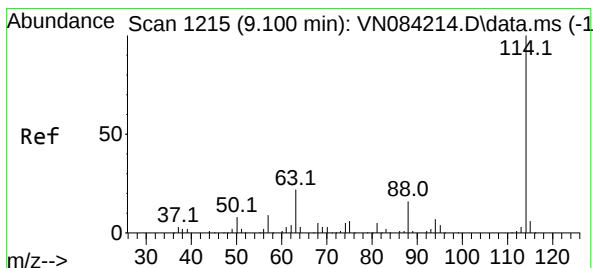
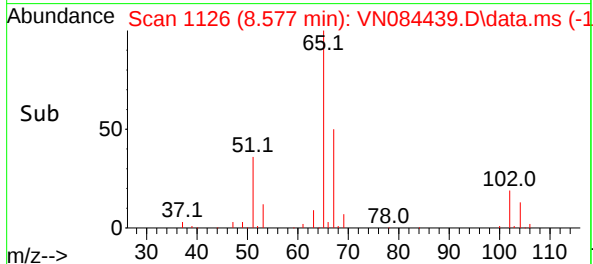
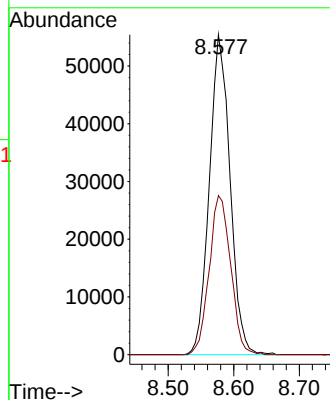
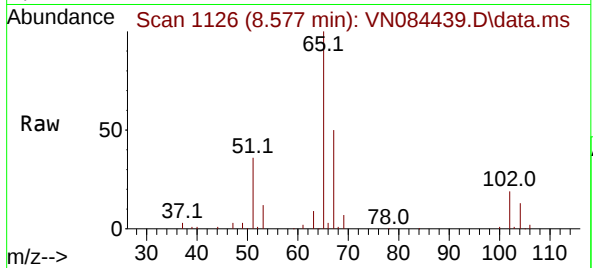




#33
 1,2-Dichloroethane-d4
 Concen: 48.302 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN084439.D
 Acq: 21 Oct 2024 16:29

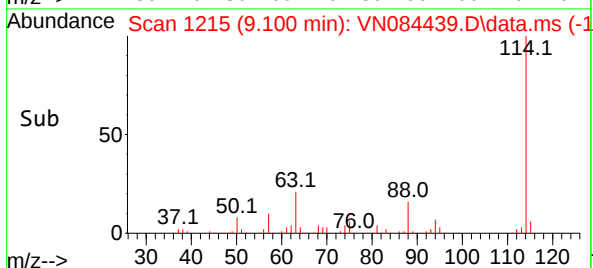
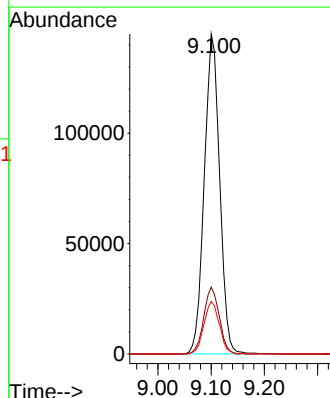
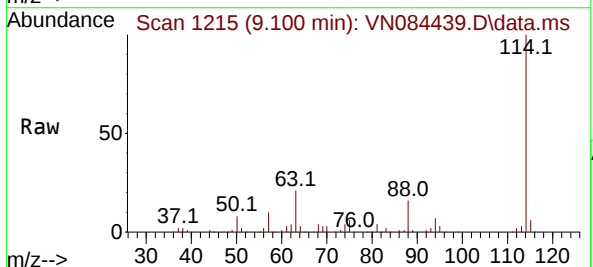
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-190-GW-58-60

Tgt Ion: 65 Resp: 121477
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084439.D
 Acq: 21 Oct 2024 16:29

Tgt Ion: 114 Resp: 290778
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.8
 88 16.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.878 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084439.D

Acq: 21 Oct 2024 16:29

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-190-GW-58-60

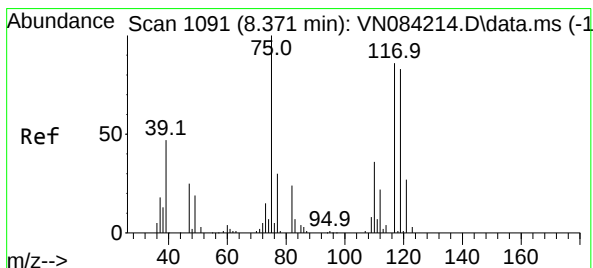
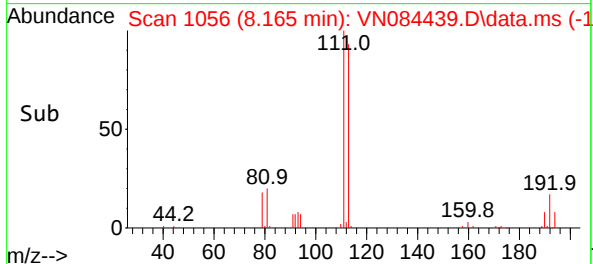
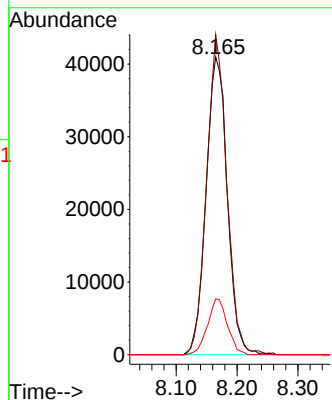
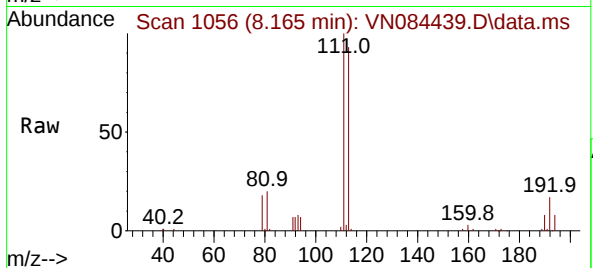
Tgt Ion:113 Resp: 99450

Ion Ratio Lower Upper

113 100

111 102.1 83.3 124.9

192 17.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.229 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN084439.D

Acq: 21 Oct 2024 16:29

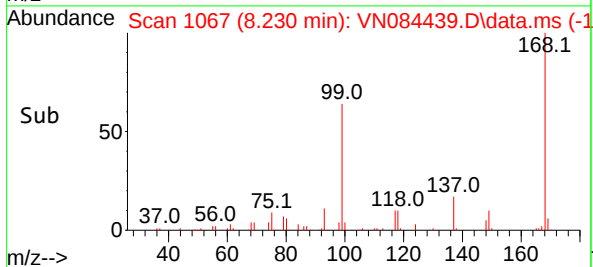
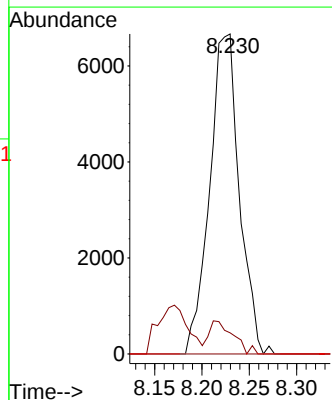
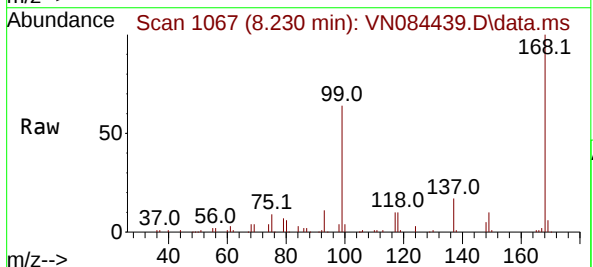
Tgt Ion: 75 Resp: 14559

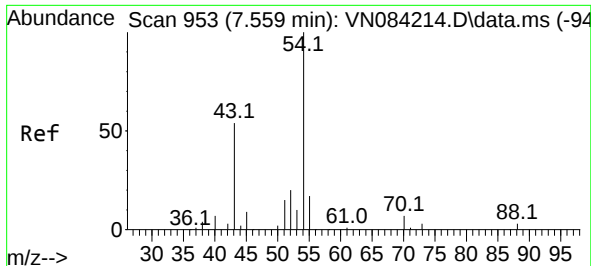
Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.754 ug/l

RT: 7.500 min Scan# 94

Delta R.T. -0.059 min

Lab File: VN084439.D

Acq: 21 Oct 2024 16:29

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-190-GW-58-60

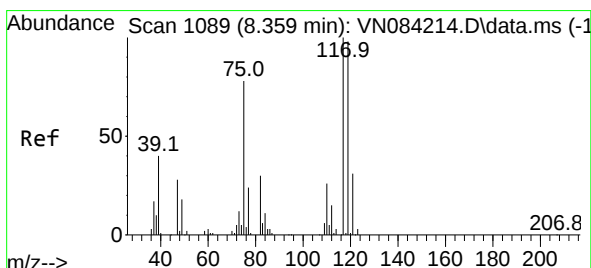
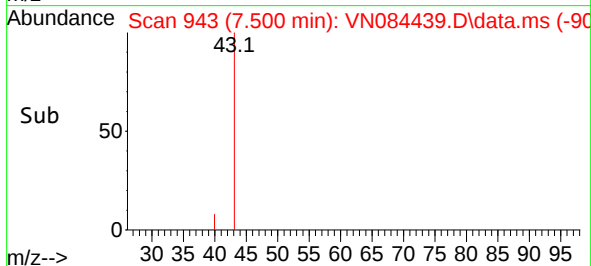
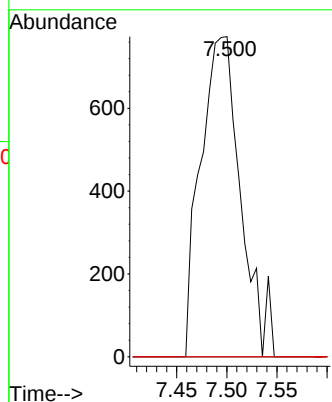
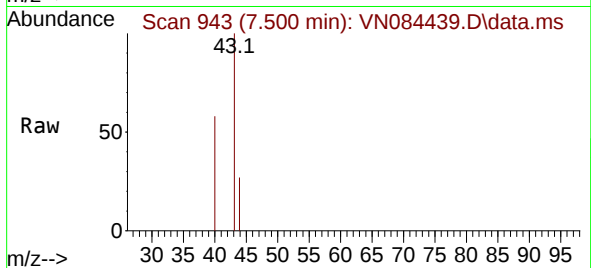
Tgt Ion: 43 Resp: 2153

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 6.340 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084439.D

Acq: 21 Oct 2024 16:29

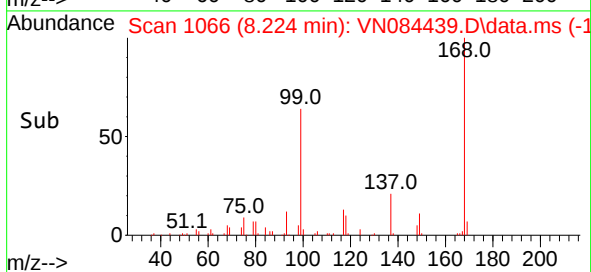
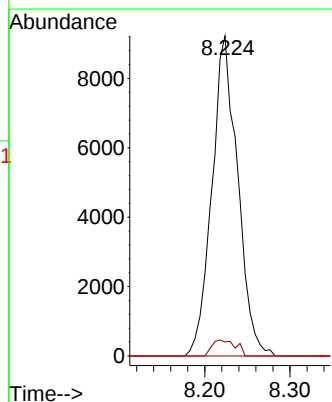
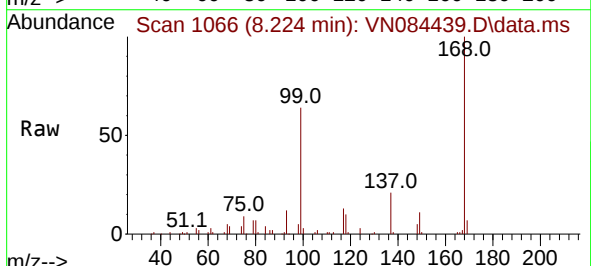
Tgt Ion: 117 Resp: 19364

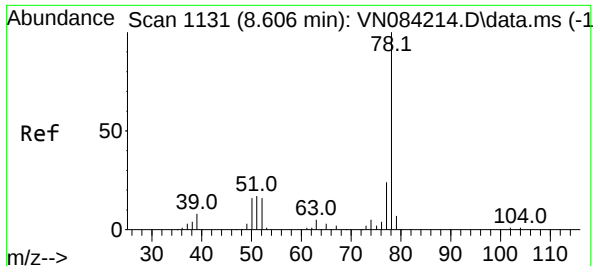
Ion Ratio Lower Upper

117 100

119 4.4 78.7 118.1#

121 0.0 24.4 36.6#





#40

Benzene

Concen: 0.531 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN084439.D

Acq: 21 Oct 2024 16:29

Instrument :

MSVOA_N

ClientSampleId :

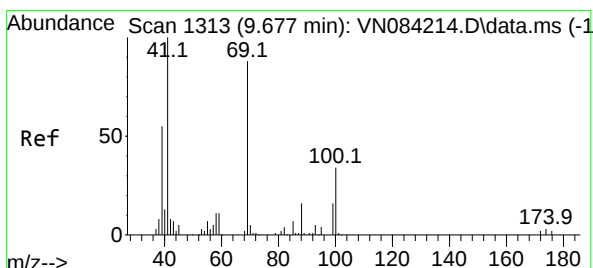
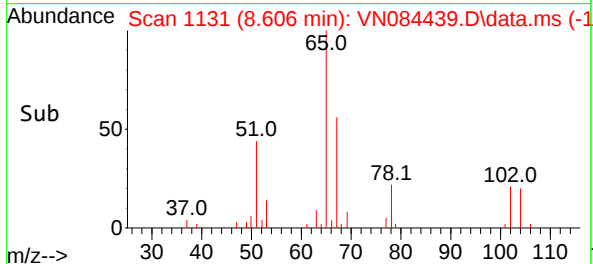
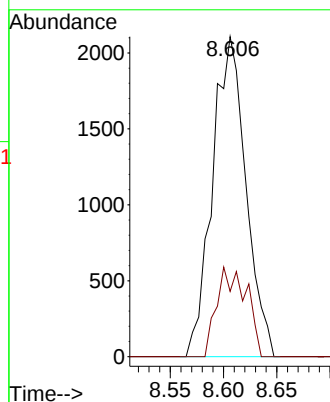
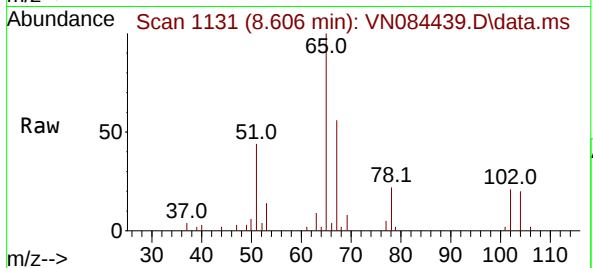
BP-VPB-190-GW-58-60

Tgt Ion: 78 Resp: 4608

Ion Ratio Lower Upper

78 100

77 20.4 19.1 28.7



#48

Methyl methacrylate

Concen: 0.275 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN084439.D

Acq: 21 Oct 2024 16:29

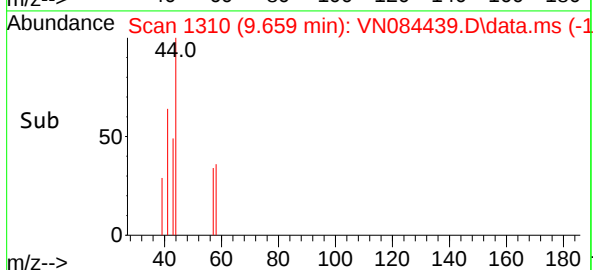
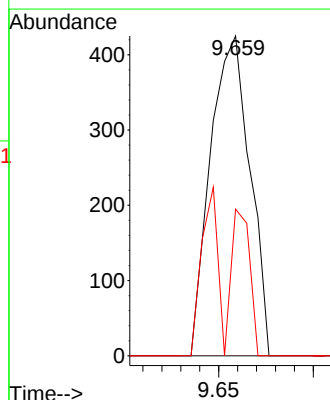
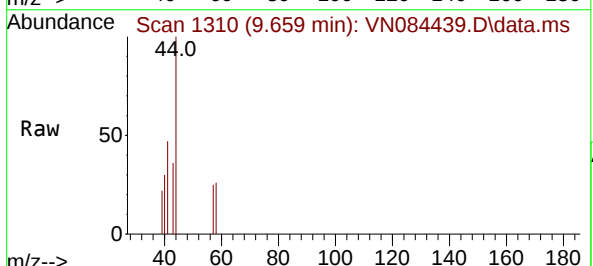
Tgt Ion: 41 Resp: 613

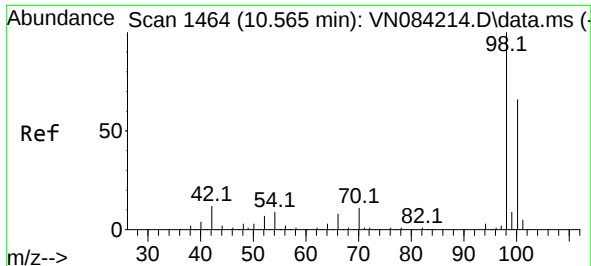
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 21.4 45.8 68.6#

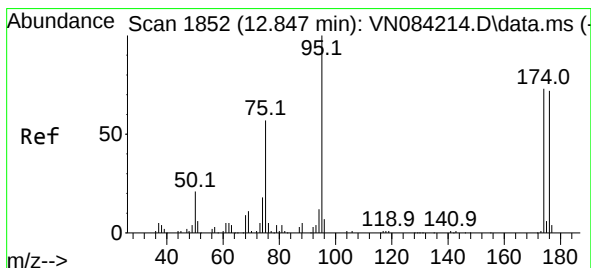
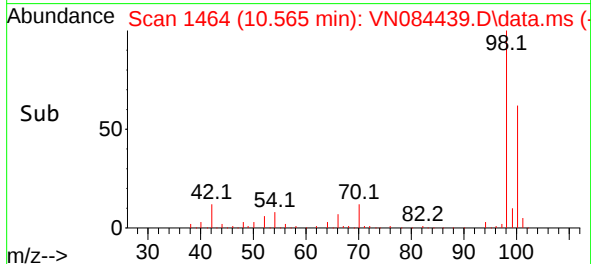
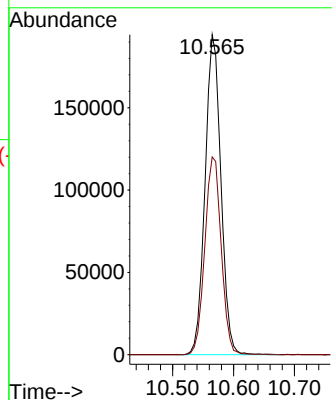
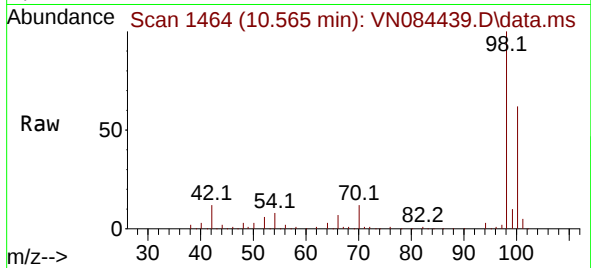




#50
Toluene-d8
Concen: 49.856 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

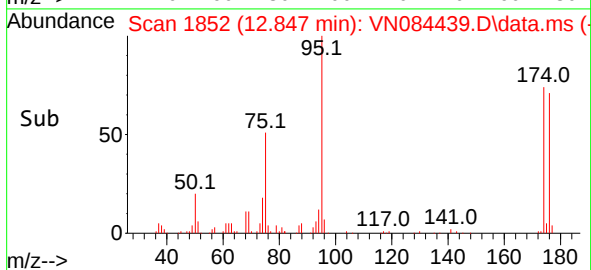
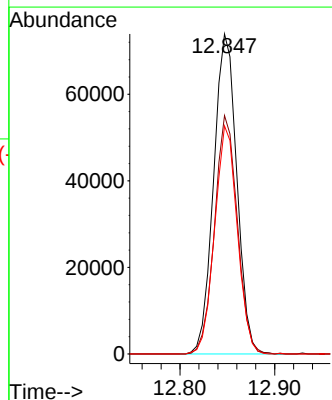
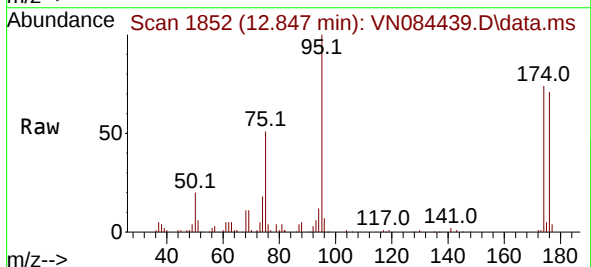
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

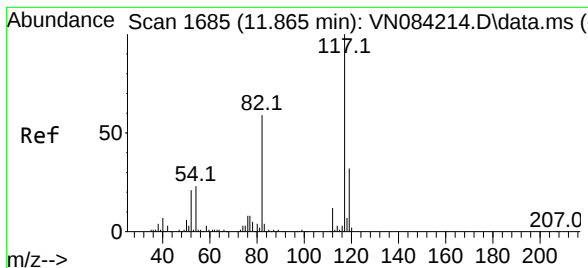
Tgt Ion: 98 Resp: 351622
Ion Ratio Lower Upper
98 100
100 64.0 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 48.897 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Tgt Ion: 95 Resp: 125637
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.2
176 69.8 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084439.D

Acq: 21 Oct 2024 16:29

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-190-GW-58-60

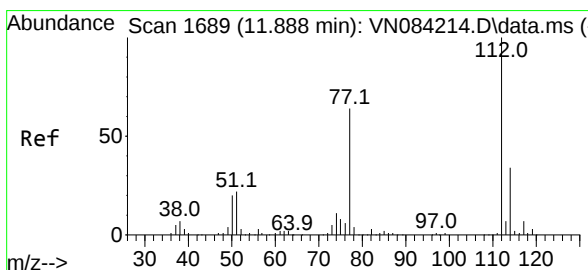
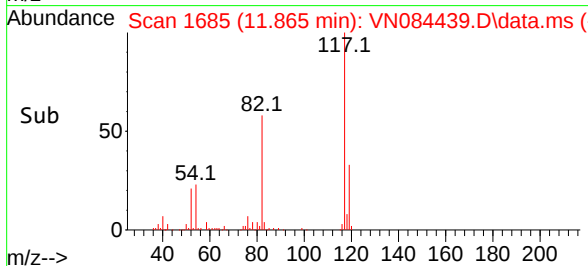
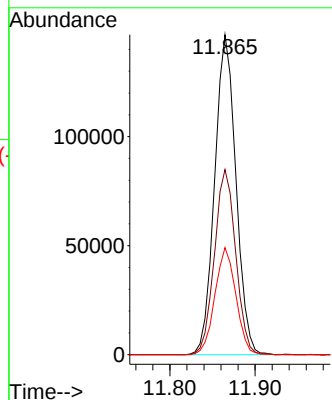
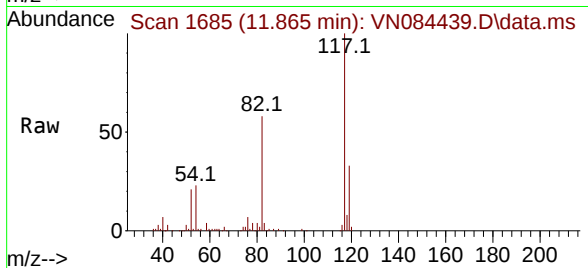
Tgt Ion:117 Resp: 254308

Ion Ratio Lower Upper

117 100

82 57.9 47.2 70.8

119 33.4 25.4 38.0



#65

Chlorobenzene

Concen: 0.242 ug/l

RT: 11.894 min Scan# 1690

Delta R.T. 0.006 min

Lab File: VN084439.D

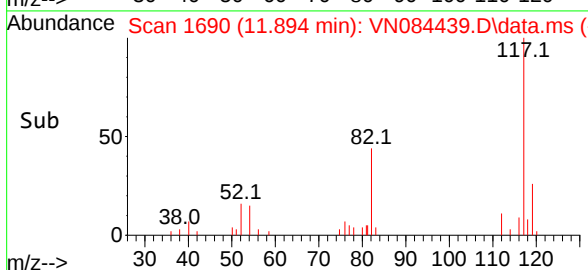
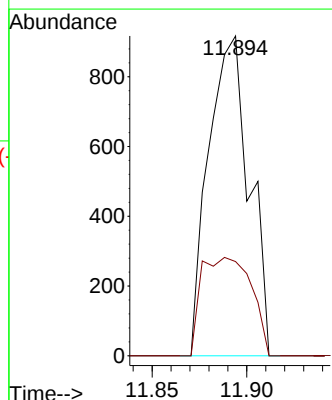
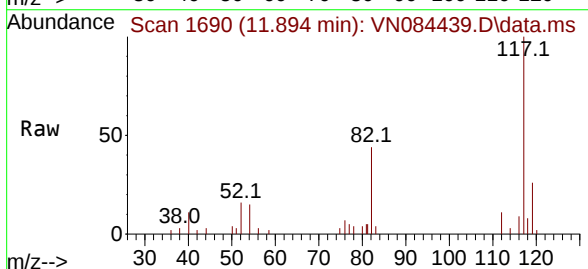
Acq: 21 Oct 2024 16:29

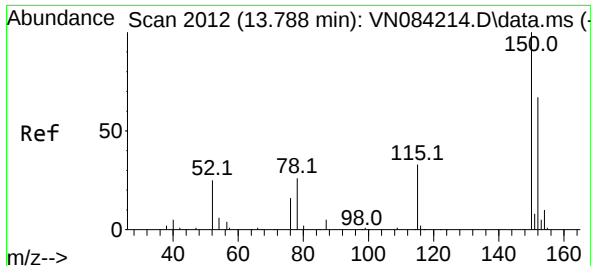
Tgt Ion:112 Resp: 1367

Ion Ratio Lower Upper

112 100

114 29.4 27.0 40.6

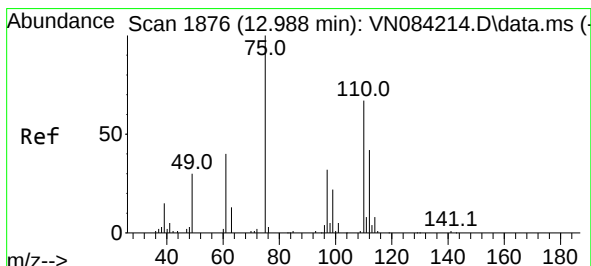
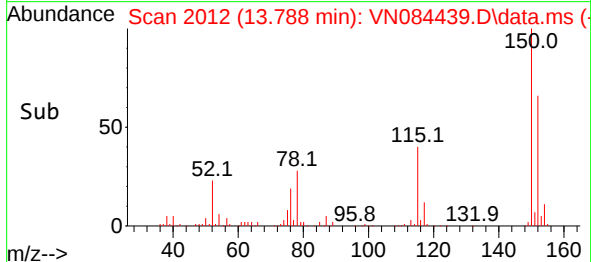
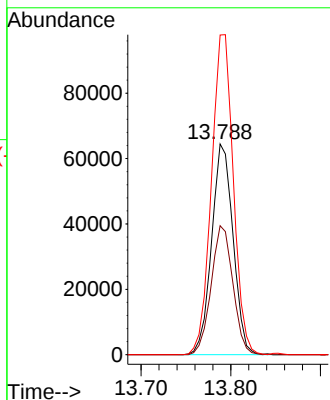
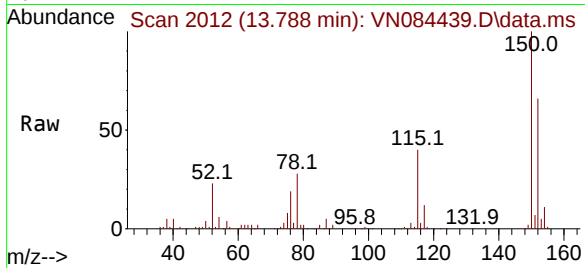




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN084439.D
 Acq: 21 Oct 2024 16:29

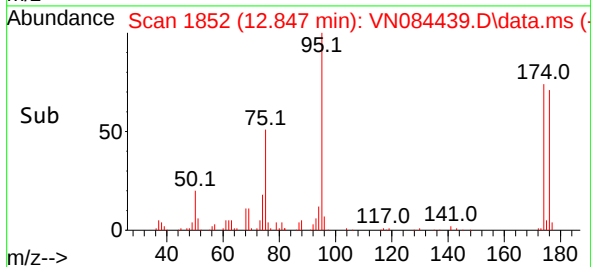
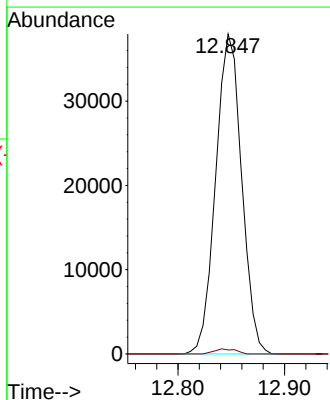
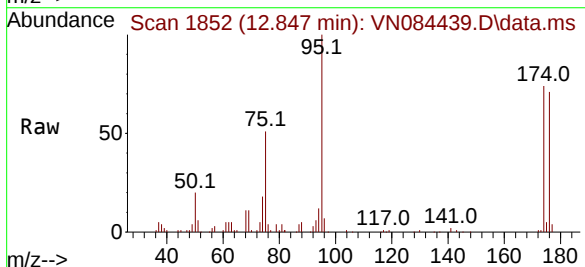
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-190-GW-58-60

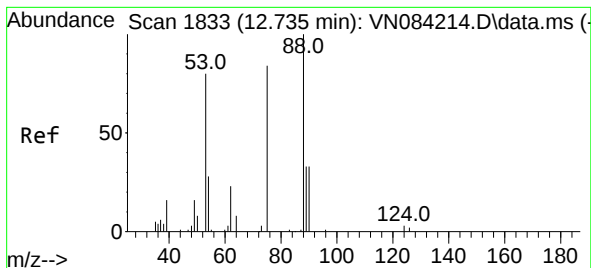
Tgt Ion:152 Resp: 106943
 Ion Ratio Lower Upper
 152 100
 115 61.9 31.3 93.9
 150 155.1 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 29.371 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084439.D
 Acq: 21 Oct 2024 16:29

Tgt Ion: 75 Resp: 64125
 Ion Ratio Lower Upper
 75 100
 77 1.3 96.9 290.7#

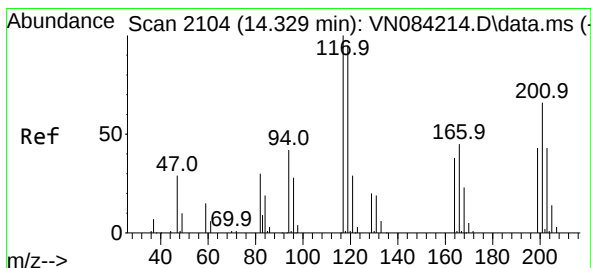
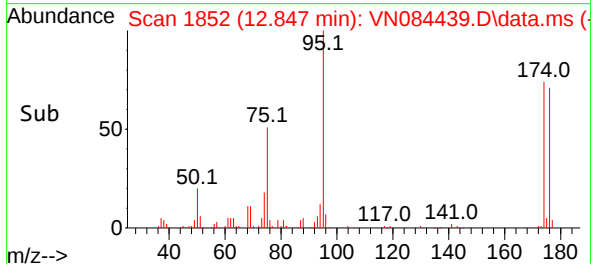
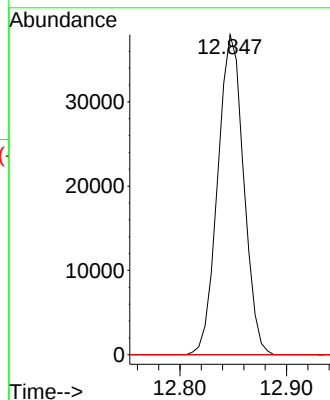
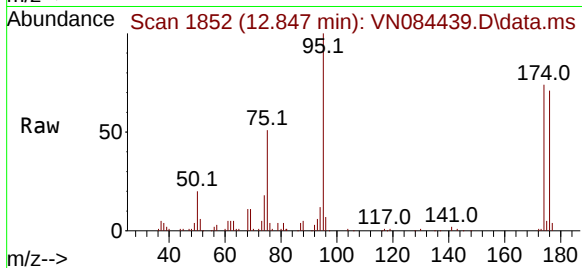




#81
trans-1,4-Dichloro-2-butene
Concen: 70.416 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

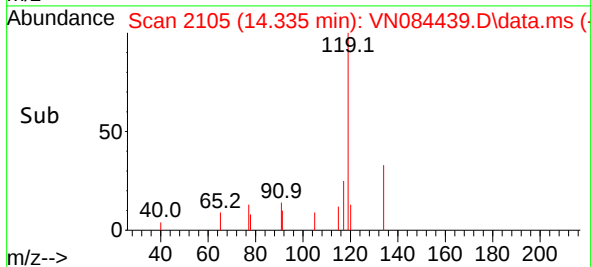
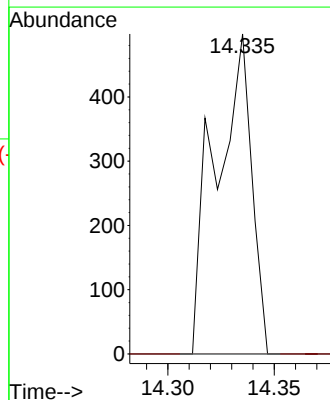
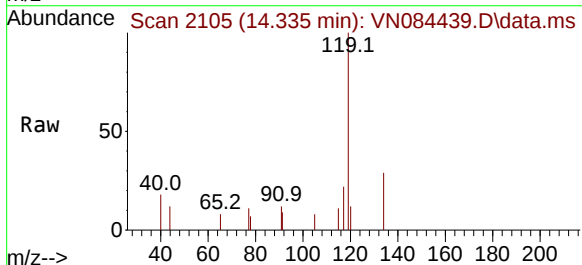
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

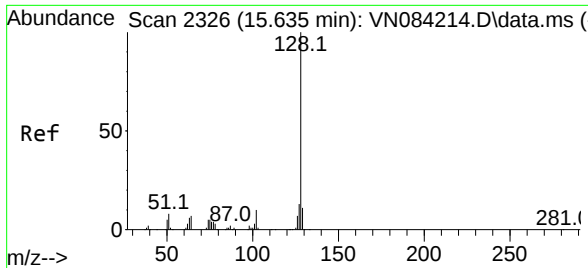
Tgt Ion: 75 Resp: 64125
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#90
Hexachloroethane
Concen: 0.442 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Tgt Ion: 117 Resp: 586
Ion Ratio Lower Upper
117 100
201 0.0 34.4 103.2#





#95
Naphthalene
Concen: 1.612 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

Tgt Ion:	128	Resp:	9531
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	12.7	8.7	13.1

