

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012523\
 Data File : VN076397.D
 Acq On : 25 Jan 2023 13:22
 Operator : JC\MD
 Sample : 01291-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW10-GW-358-360

Quant Time: Jan 26 07:16:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

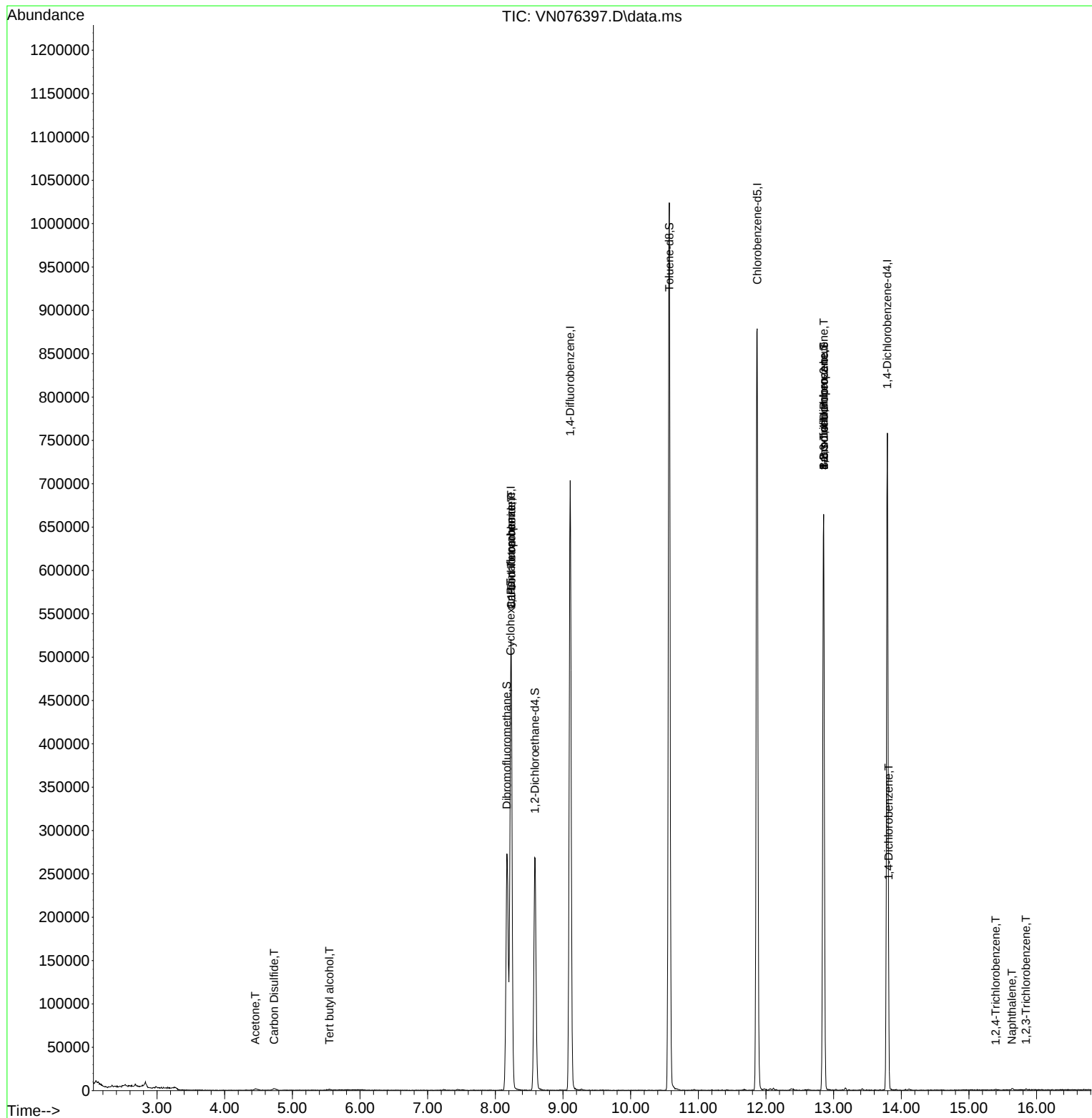
Internal Standards						
1) Pentafluorobenzene	8.230	168	388273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	630105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	537995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	206430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	223677	51.450	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.900%			
35) Dibromofluoromethane	8.171	113	192497	48.838	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.680%			
50) Toluene-d8	10.571	98	722237	49.616	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.240%			
62) 4-Bromofluorobenzene	12.853	95	222018	46.720	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.440%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.547	59	1973	3.393	ug/l #	72
16) Acetone	4.453	43	3332	2.318	ug/l #	81
17) Carbon Disulfide	4.730	76	2741	0.296	ug/l #	73
31) Cyclohexane	8.224	56	8856	1.326	ug/l #	42
36) 1,1-Dichloropropene	8.235	75	30115	5.377	ug/l #	48
38) Carbon Tetrachloride	8.235	117	38755	6.205	ug/l #	16
71) Bromoform	12.853	173	1415	0.463	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	119498	31.424	ug/l #	1
77) Bromobenzene	12.994	156	59	Below Cal	#	65
81) trans-1,4-Dichloro-2-b...	12.853	75	119498	96.316	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	742	0.205	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.394	180	515	1.444	ug/l #	83
95) Naphthalene	15.635	128	2427	2.057	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.841	180	562	1.313	ug/l #	75

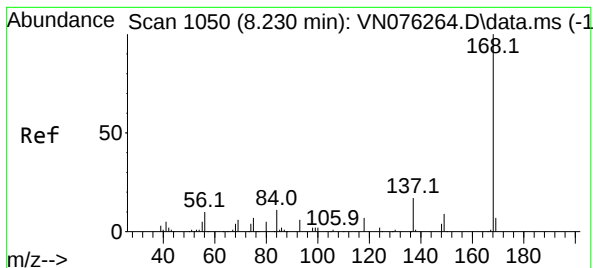
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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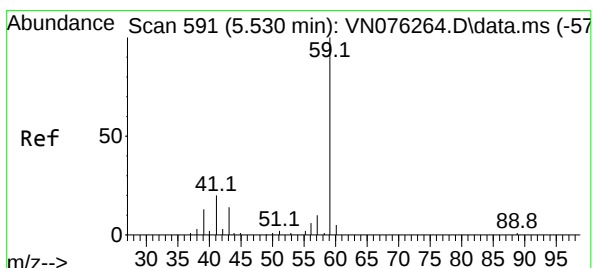
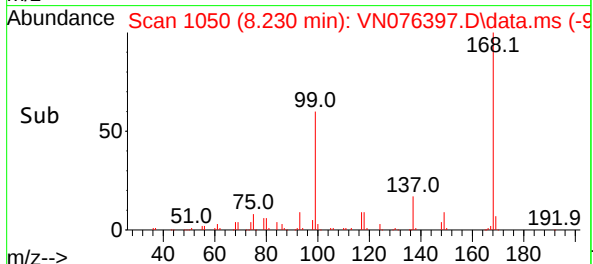
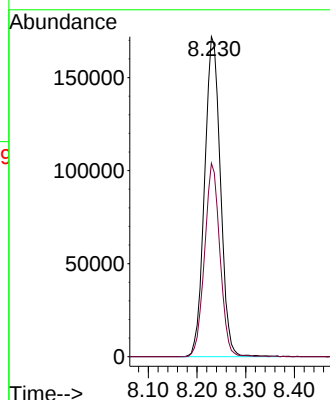
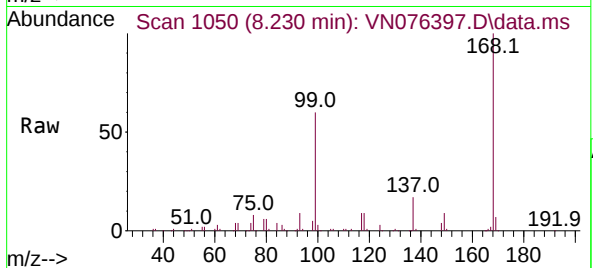




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076397.D
Acq: 25 Jan 2023 13:22

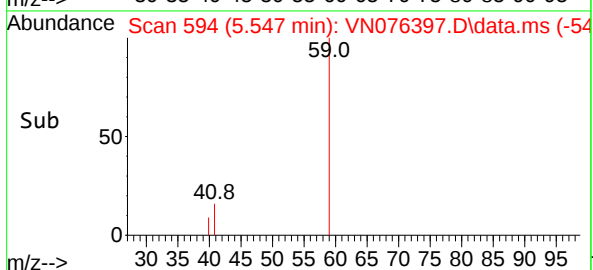
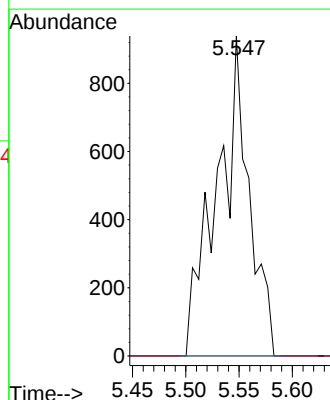
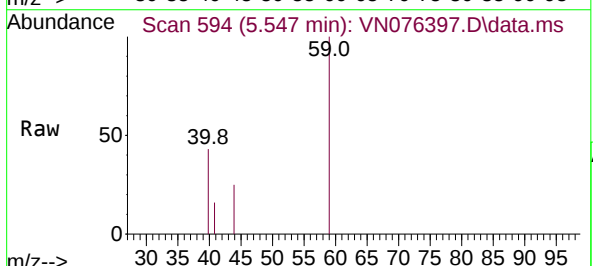
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW10-GW-358-360

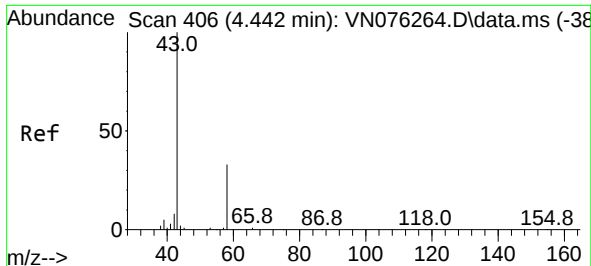
Tgt Ion:168 Resp: 388273
Ion Ratio Lower Upper
168 100
99 60.4 41.6 62.4



#11
Tert butyl alcohol
Concen: 3.393 ug/l
RT: 5.547 min Scan# 594
Delta R.T. 0.017 min
Lab File: VN076397.D
Acq: 25 Jan 2023 13:22

Tgt Ion: 59 Resp: 1973
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

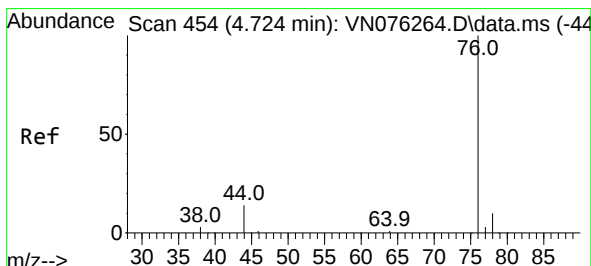
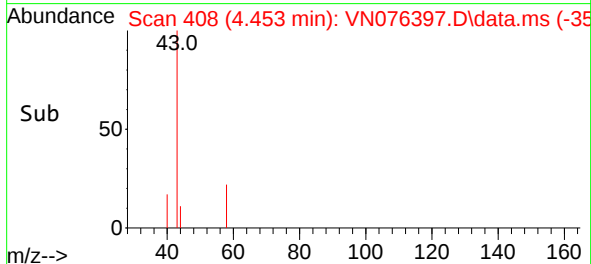
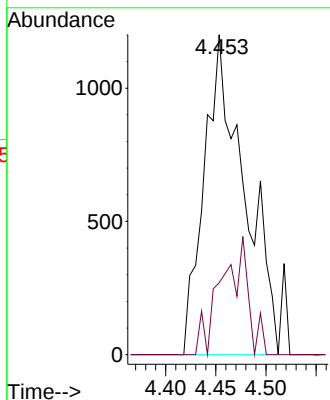
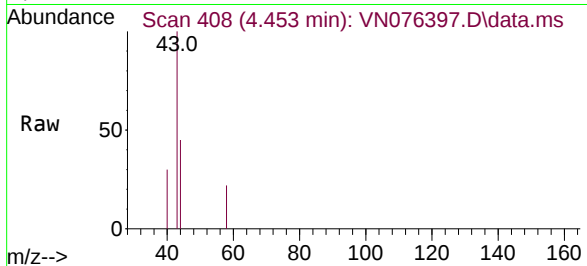




#16
Acetone
Concen: 2.318 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN076397.D
Acq: 25 Jan 2023 13:22

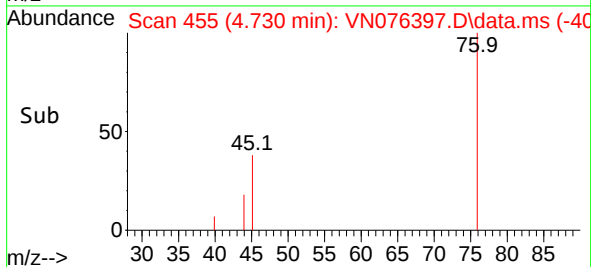
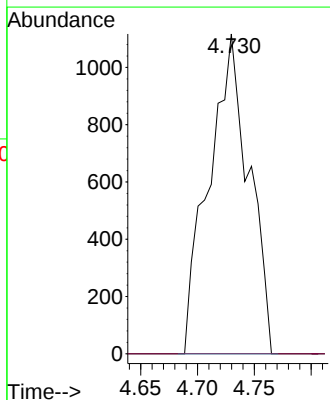
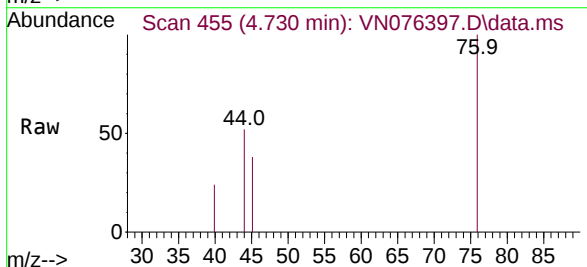
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW10-GW-358-360

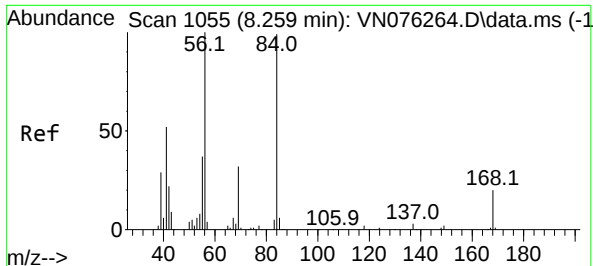
Tgt Ion: 43 Resp: 3332
Ion Ratio Lower Upper
43 100
58 22.5 26.7 40.1#



#17
Carbon Disulfide
Concen: 0.296 ug/l
RT: 4.730 min Scan# 455
Delta R.T. 0.006 min
Lab File: VN076397.D
Acq: 25 Jan 2023 13:22

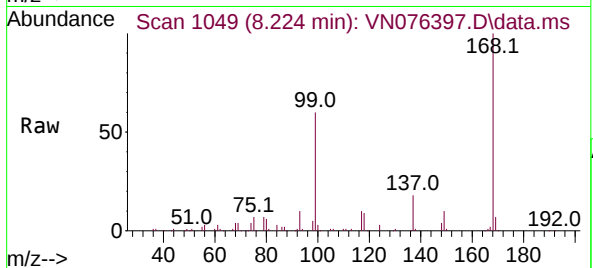
Tgt Ion: 76 Resp: 2741
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#



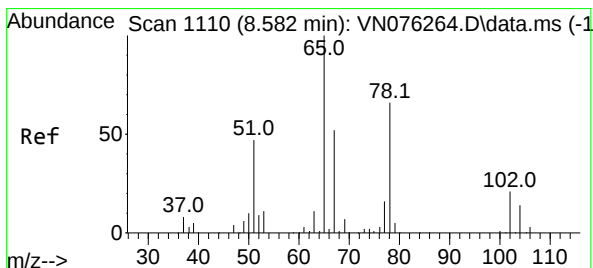
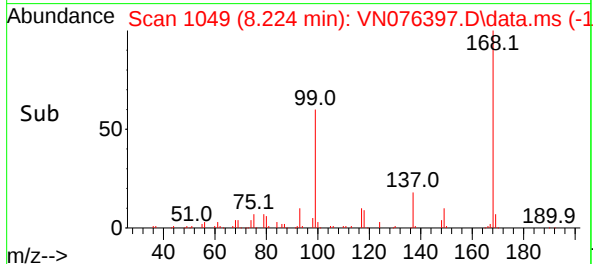
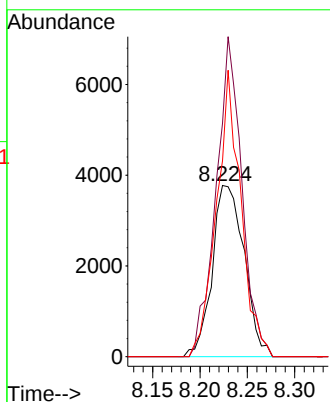


#31
Cyclohexane
Concen: 1.326 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN076397.D
Acq: 25 Jan 2023 13:22

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW10-GW-358-360

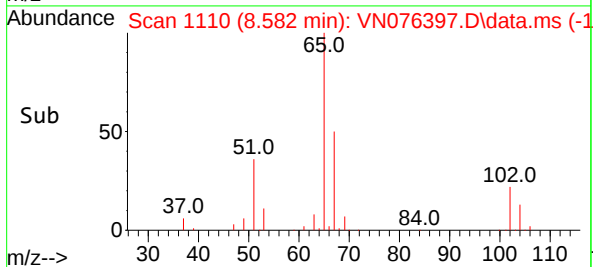
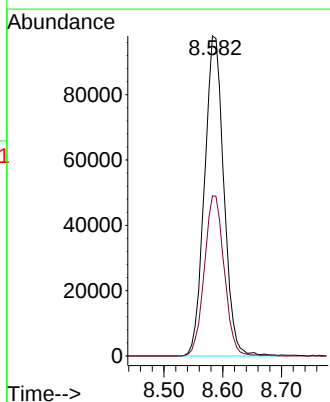
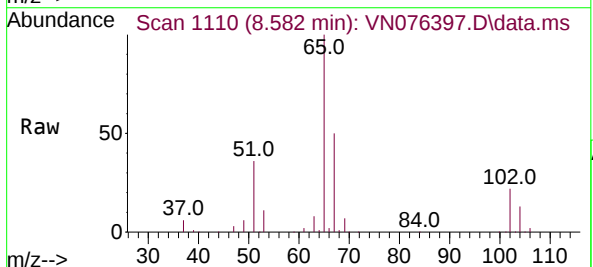


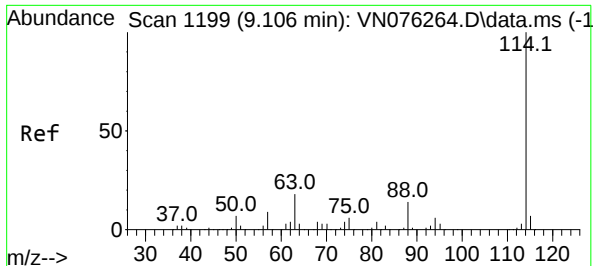
Tgt Ion: 56 Resp: 8856
Ion Ratio Lower Upper
56 100
69 136.4 25.8 38.8#
84 114.4 79.0 118.4



#33
1,2-Dichloroethane-d4
Concen: 51.450 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076397.D
Acq: 25 Jan 2023 13:22

Tgt Ion: 65 Resp: 223677
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076397.D

Acq: 25 Jan 2023 13:22

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW10-GW-358-360

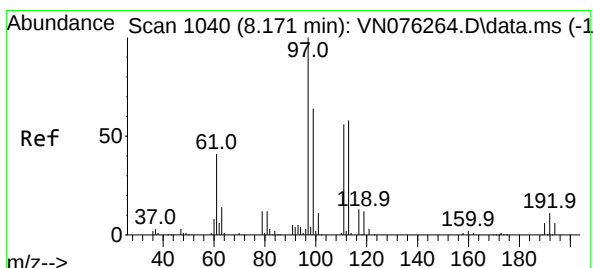
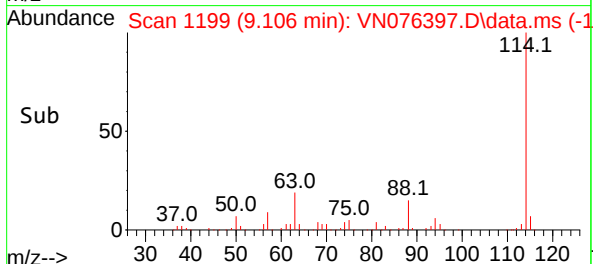
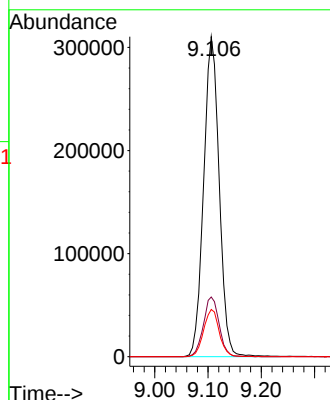
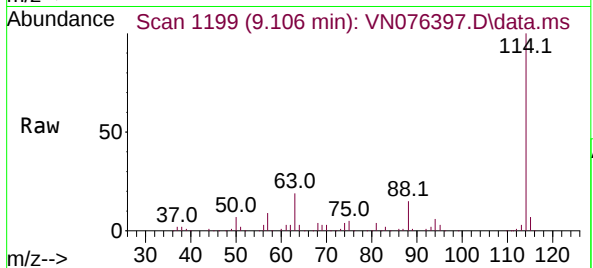
Tgt Ion:114 Resp: 630105

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.8

88 14.7 0.0 28.0



#35

Dibromofluoromethane

Concen: 48.838 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076397.D

Acq: 25 Jan 2023 13:22

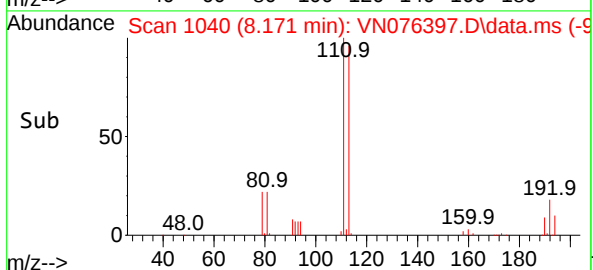
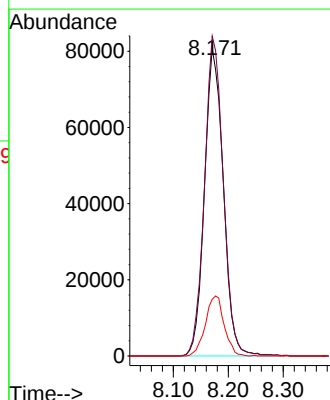
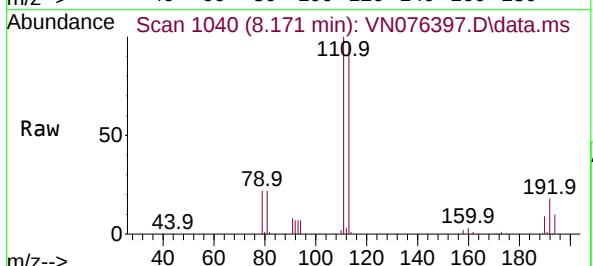
Tgt Ion:113 Resp: 192497

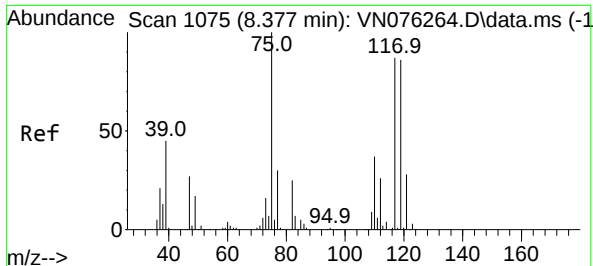
Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

192 19.4 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.377 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.142 min

Lab File: VN076397.D

Acq: 25 Jan 2023 13:22

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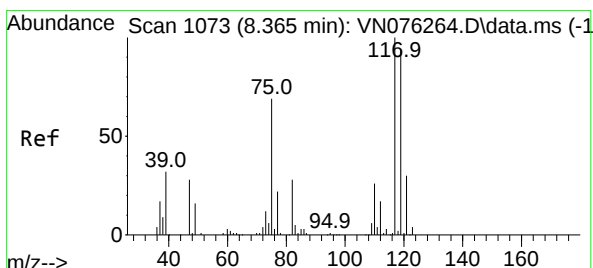
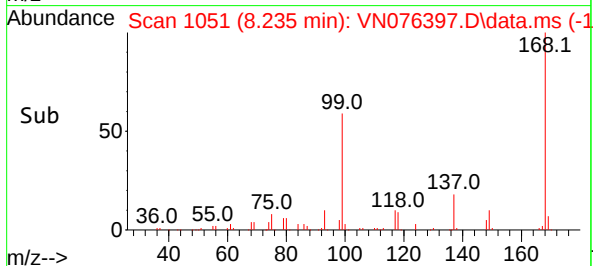
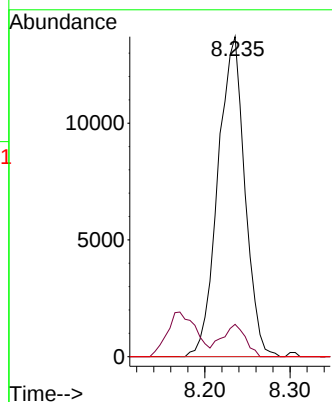
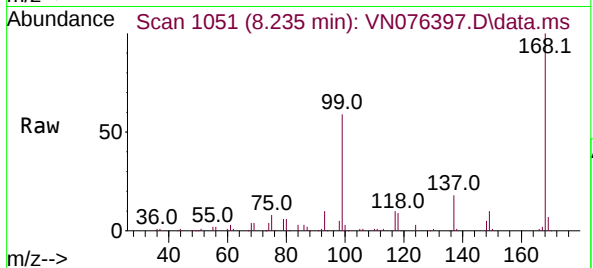
Tgt Ion: 75 Resp: 30115

Ion Ratio Lower Upper

75 100

110 8.9 18.8 56.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.205 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.130 min

Lab File: VN076397.D

Acq: 25 Jan 2023 13:22

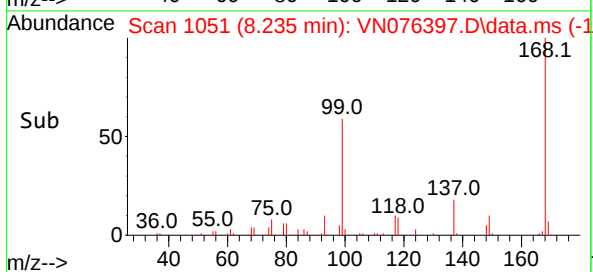
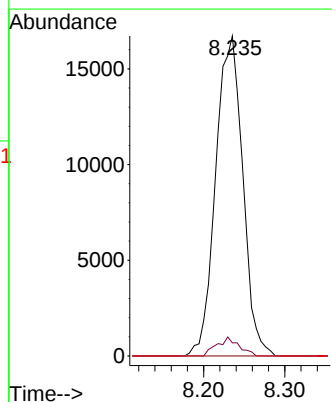
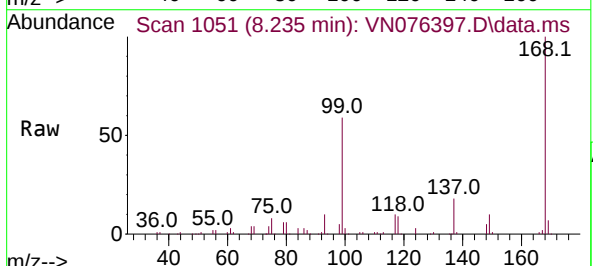
Tgt Ion: 117 Resp: 38755

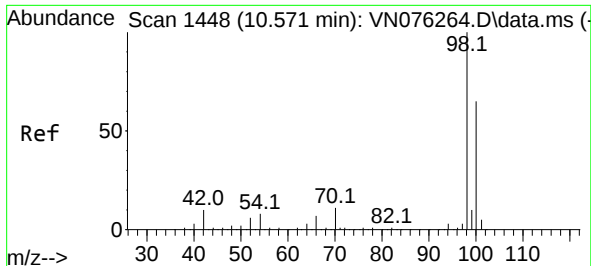
Ion Ratio Lower Upper

117 100

119 4.1 75.4 113.0#

121 0.0 24.2 36.2#

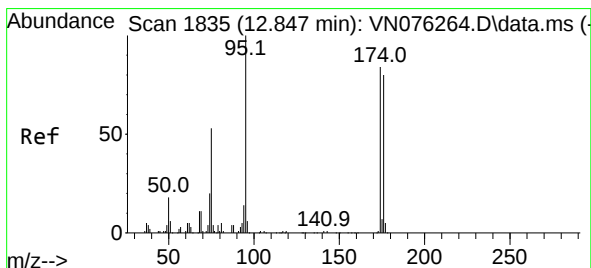
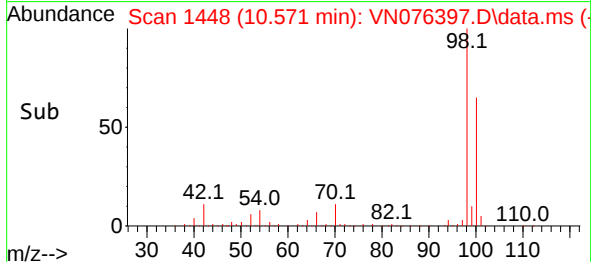
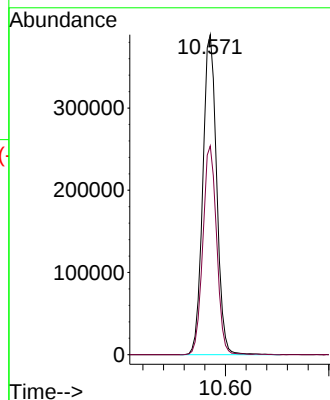
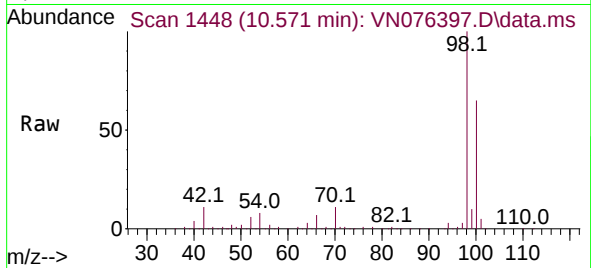




#50
Toluene-d8
Concen: 49.616 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076397.D
Acq: 25 Jan 2023 13:22

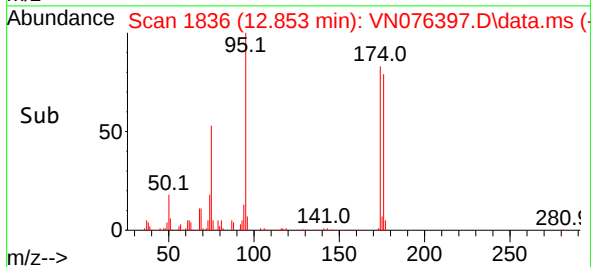
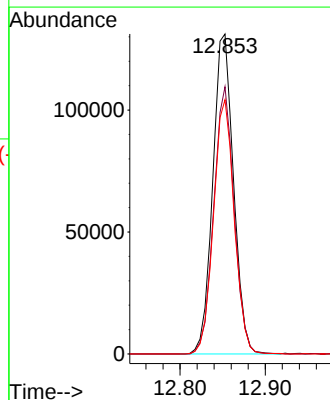
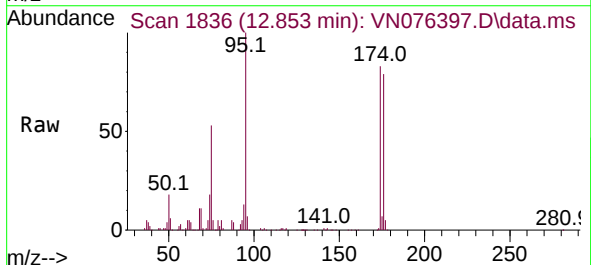
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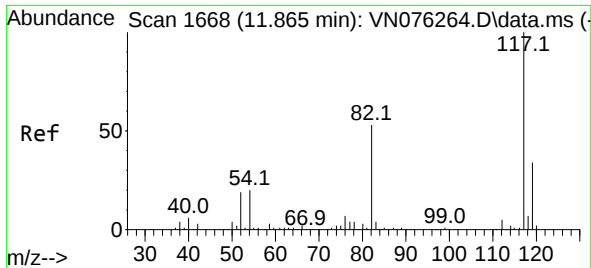
Tgt Ion: 98 Resp: 722237
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 46.720 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076397.D
Acq: 25 Jan 2023 13:22

Tgt Ion: 95 Resp: 222018
Ion Ratio Lower Upper
95 100
174 82.1 0.0 174.6
176 79.3 0.0 167.8

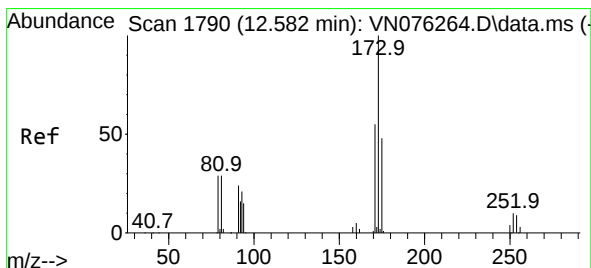
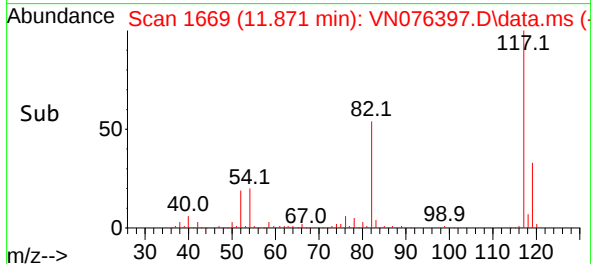
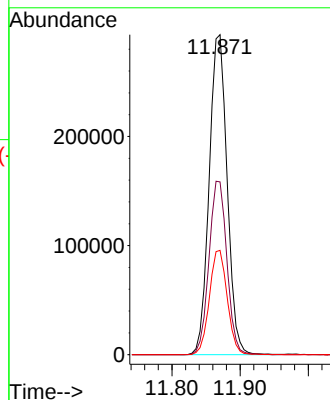
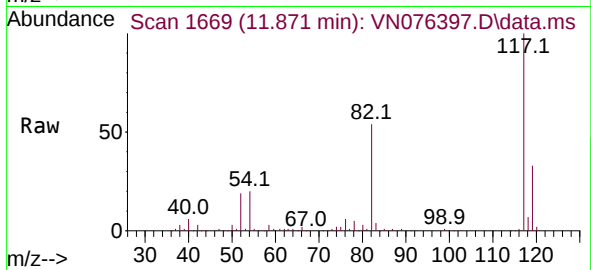




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN076397.D
Acq: 25 Jan 2023 13:22

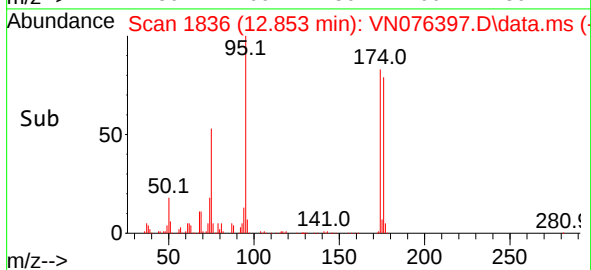
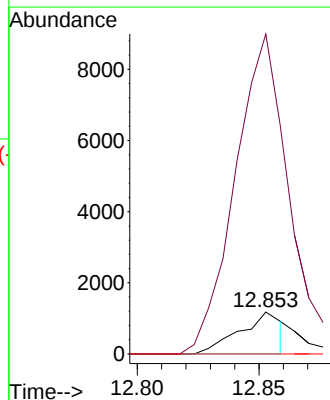
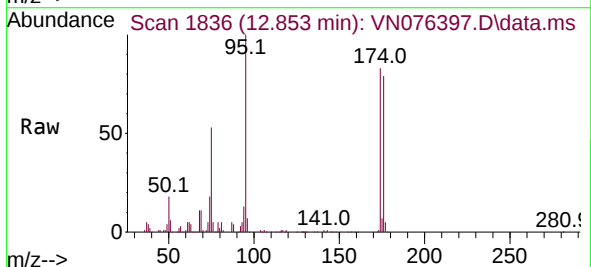
Instrument :
MSVOA_N
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BP-VPB-RW10-GW-358-360

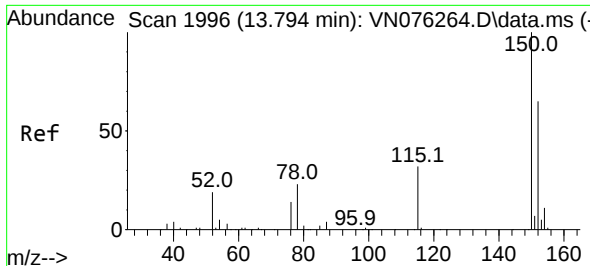
Tgt Ion:117 Resp: 537995
Ion Ratio Lower Upper
117 100
82 54.0 42.2 63.2
119 32.6 26.9 40.3



#71
Bromoform
Concen: 0.463 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076397.D
Acq: 25 Jan 2023 13:22

Tgt Ion:173 Resp: 1415
Ion Ratio Lower Upper
173 100
175 816.0 24.1 72.4#
254 0.0 0.0 0.0

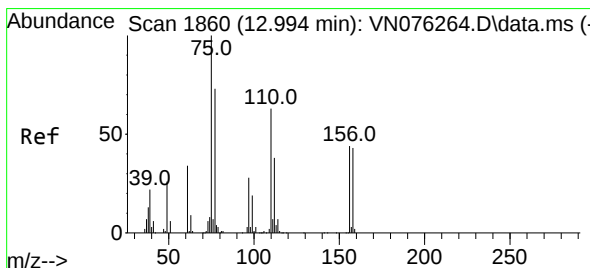
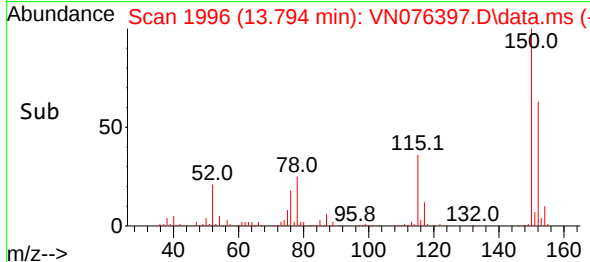
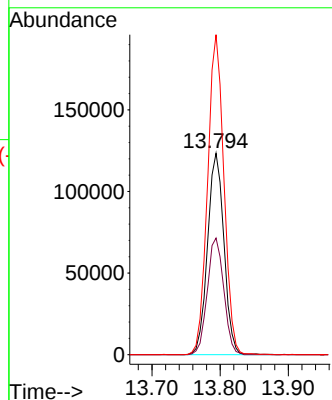
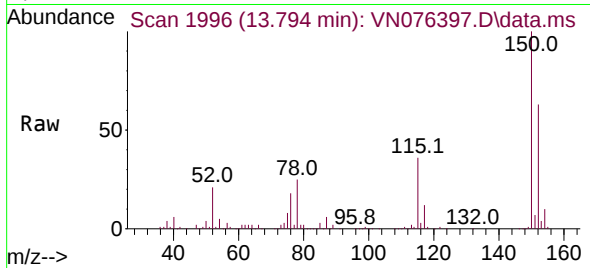




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076397.D
 Acq: 25 Jan 2023 13:22

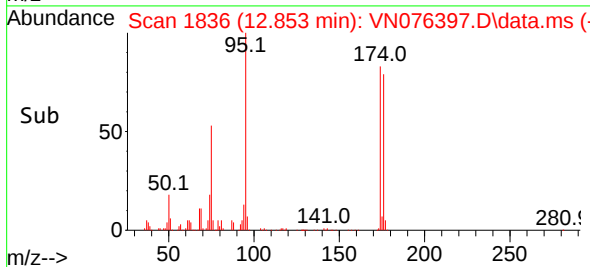
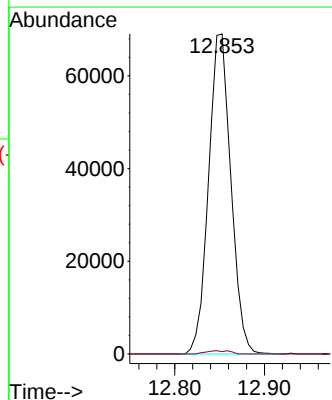
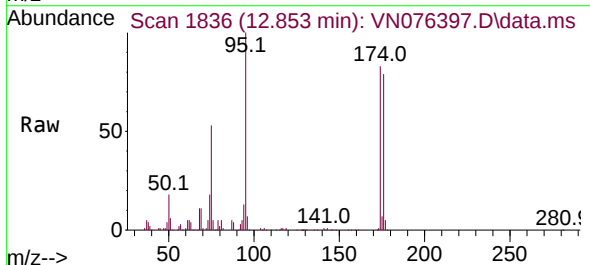
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW10-GW-358-360

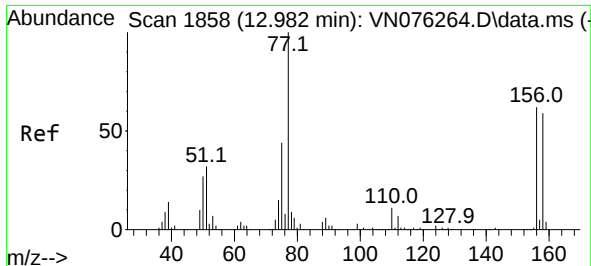
Tgt Ion:152 Resp: 206430
 Ion Ratio Lower Upper
 152 100
 115 58.2 29.6 88.9
 150 158.2 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 31.424 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN076397.D
 Acq: 25 Jan 2023 13:22

Tgt Ion: 75 Resp: 119498
 Ion Ratio Lower Upper
 75 100
 77 1.1 75.2 225.6#

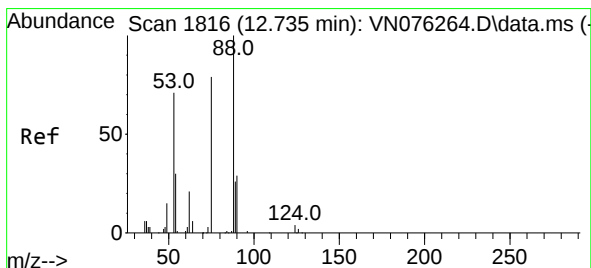
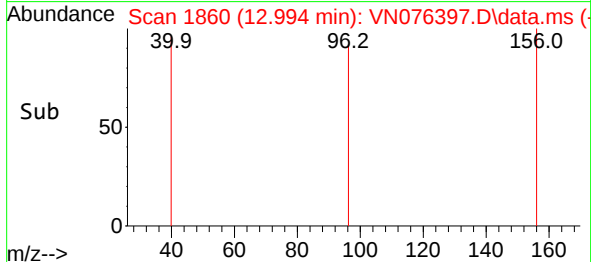
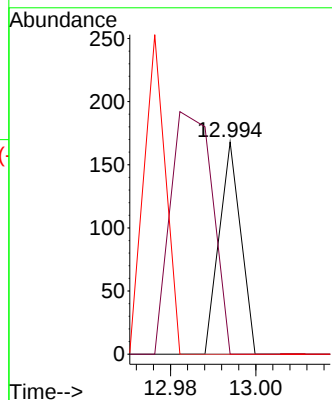
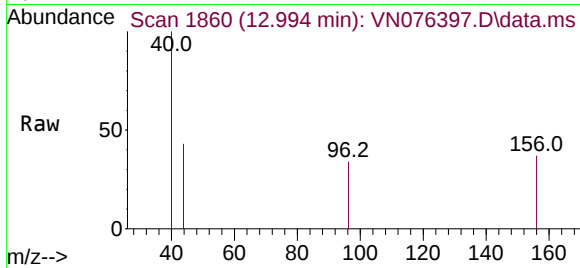




#77
Bromobenzene
Concen: Below Cal
RT: 12.994 min Scan# 1860
Delta R.T. 0.012 min
Lab File: VN076397.D
Acq: 25 Jan 2023 13:22

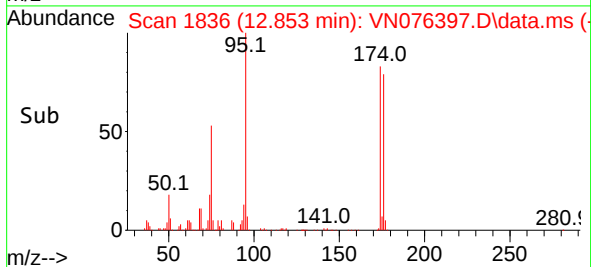
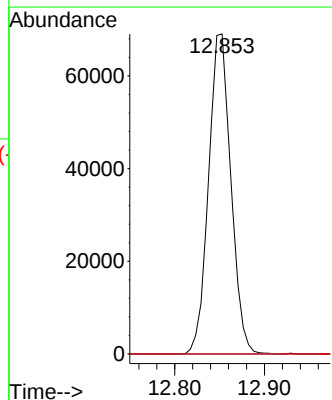
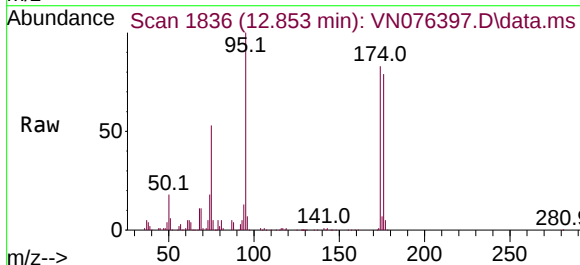
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW10-GW-358-360

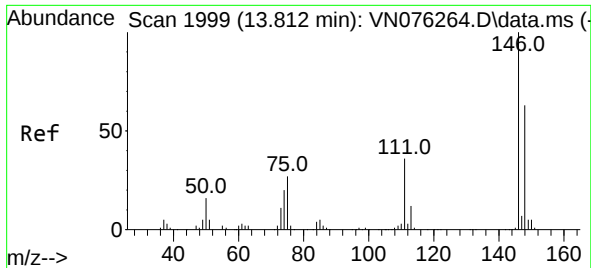
Tgt Ion:156 Resp: 59
Ion Ratio Lower Upper
156 100
77 222.0 93.4 280.2
158 150.8 48.4 145.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.316 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076397.D
Acq: 25 Jan 2023 13:22

Tgt Ion: 75 Resp: 119498
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#

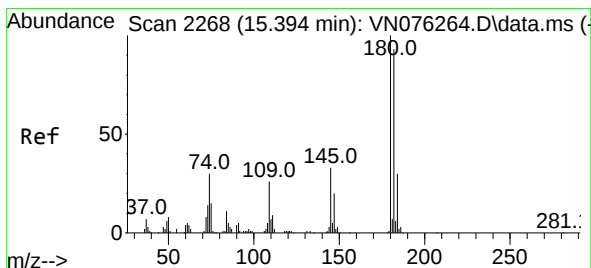
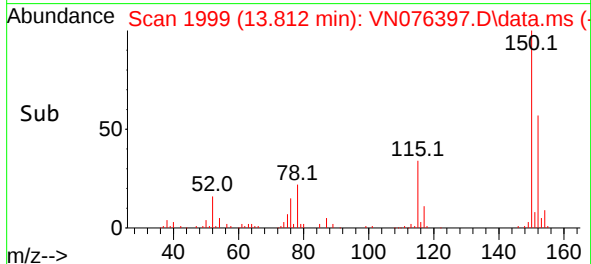
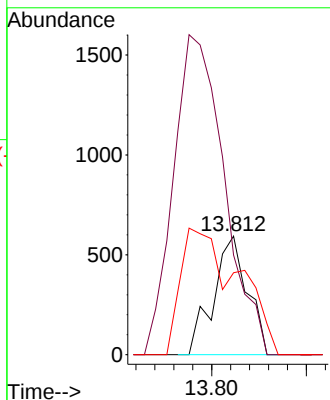
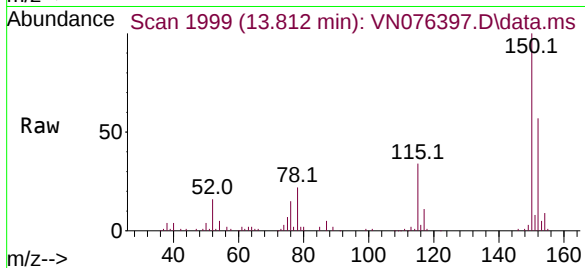




#88
 1,4-Dichlorobenzene
 Concen: 0.205 ug/l
 RT: 13.812 min Scan# 1999
 Delta R.T. -0.000 min
 Lab File: VN076397.D
 Acq: 25 Jan 2023 13:22

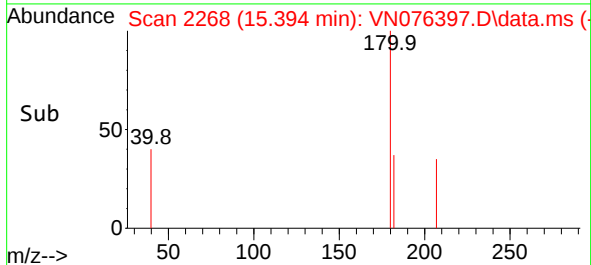
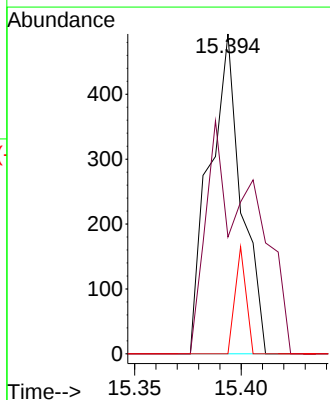
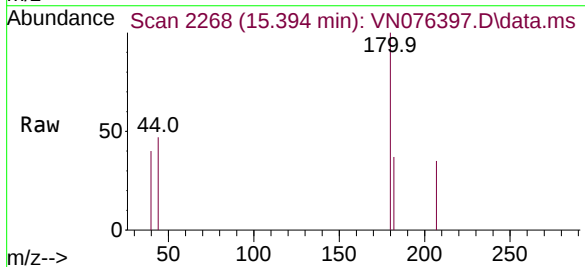
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW10-GW-358-360

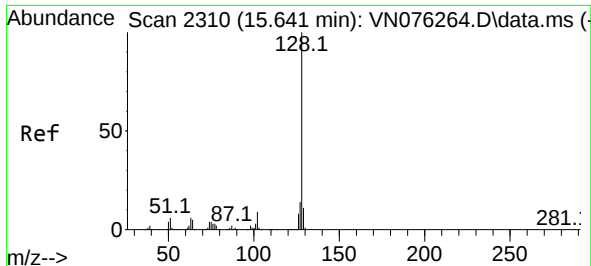
Tgt Ion:146 Resp: 742
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.1 57.5#
 148 0.0 31.9 95.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.444 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. -0.000 min
 Lab File: VN076397.D
 Acq: 25 Jan 2023 13:22

Tgt Ion:180 Resp: 515
 Ion Ratio Lower Upper
 180 100
 182 105.4 47.0 141.2
 145 11.3 15.2 45.5#

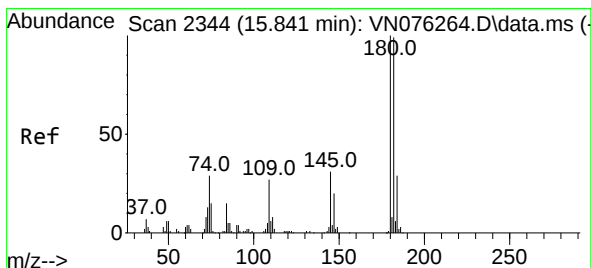
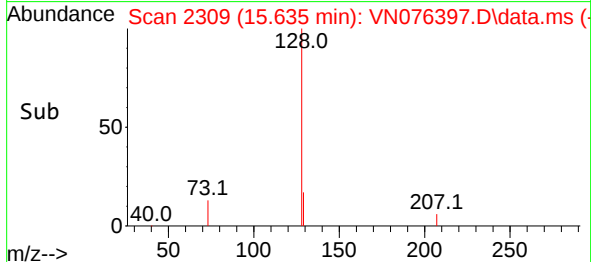
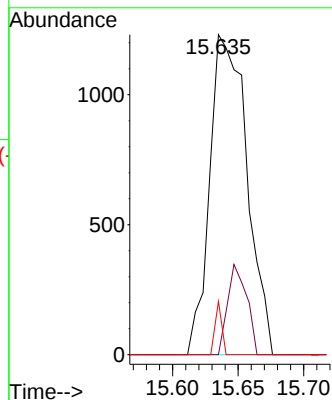
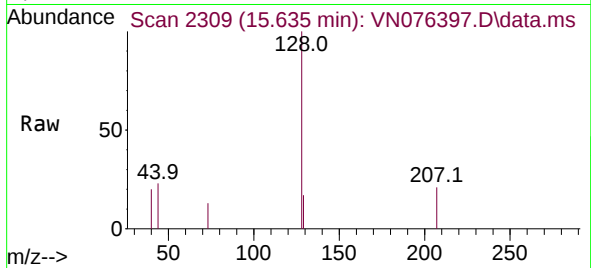




#95
Naphthalene
Concen: 2.057 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN076397.D
Acq: 25 Jan 2023 13:22

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW10-GW-358-360

Tgt Ion:128 Resp: 2427
Ion Ratio Lower Upper
128 100
127 14.4 10.3 15.5
129 3.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.313 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN076397.D
Acq: 25 Jan 2023 13:22

Tgt Ion:180 Resp: 562
Ion Ratio Lower Upper
180 100
182 80.8 47.5 142.5
145 0.0 15.9 47.6#

