

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101822\
 Data File : VY010999.D
 Acq On : 18 Oct 2022 17:07
 Operator : KP/MD
 Sample : N5149-14RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW5-GW-963-965RE

Quant Time: Oct 18 17:27:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

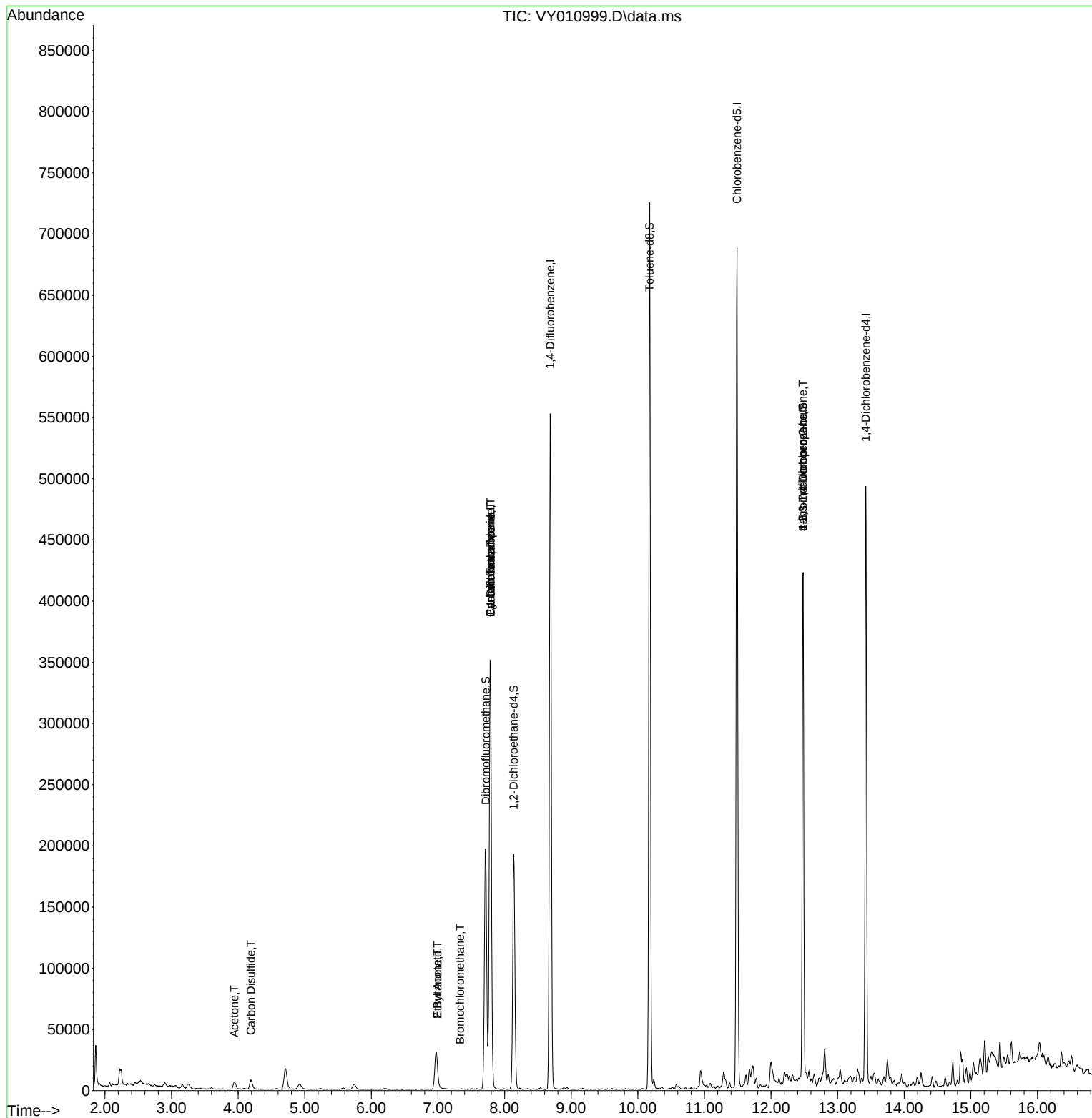
Internal Standards						
1) Pentafluorobenzene	7.789	168	279768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	483750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	381815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	144705	56.151	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.300%	
35) Dibromofluoromethane	7.715	113	143990	53.551	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.100%	
50) Toluene-d8	10.178	98	465997	46.135	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.280%	
62) 4-Bromofluorobenzene	12.477	95	133370	36.442	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 72.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.923	59	5226	Below Cal	#	77
16) Acetone	3.942	43	10868	14.522	ug/l	95
17) Carbon Disulfide	4.192	76	9453	1.215	ug/l	95
18) Methyl Acetate	4.460	43	66	Below Cal	#	56
20) Methylene Chloride	4.716	84	13733	Below Cal	#	75
25) 2-Butanone	6.990	43	3379	2.977	ug/l	# 80
28) Bromochloromethane	7.331	49	22	3.531	ug/l	# 16
31) Cyclohexane	7.789	56	5587	1.133	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	21715	4.822	ug/l	# 50
37) Ethyl Acetate	6.990	43	3379	1.355	ug/l	# 30
38) Carbon Tetrachloride	7.789	117	27710	5.961	ug/l	# 15
76) 1,2,3-Trichloropropane	12.477	75	66835	46.343	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	66835	99.670	ug/l	# 7

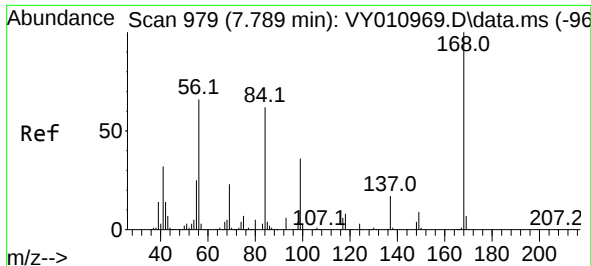
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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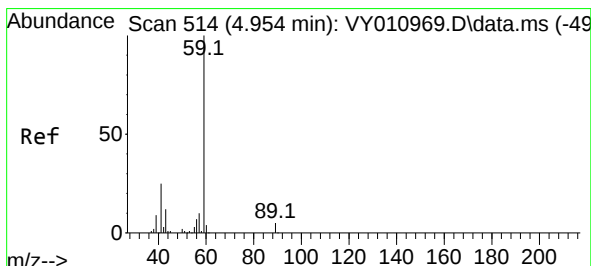
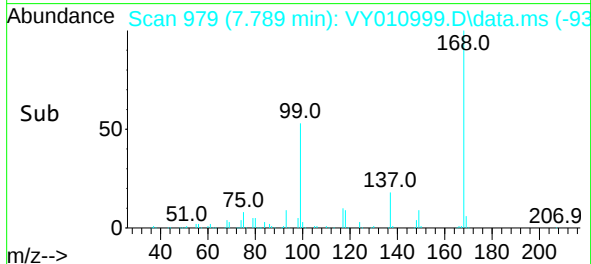
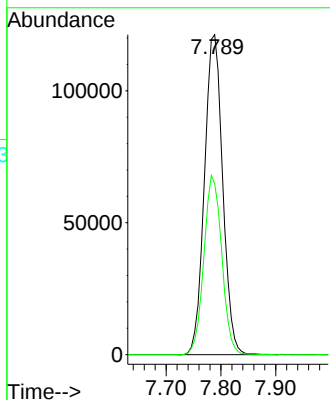
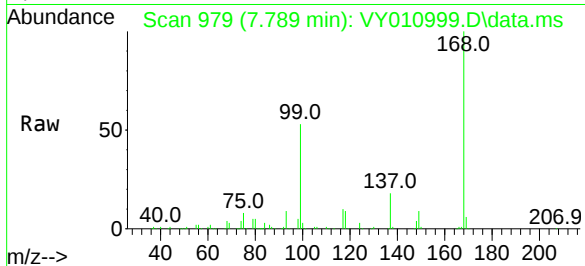




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010999.D
Acq: 18 Oct 2022 17:07

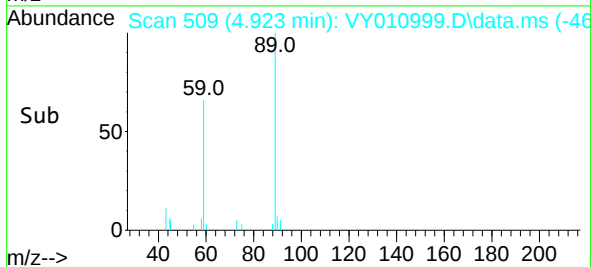
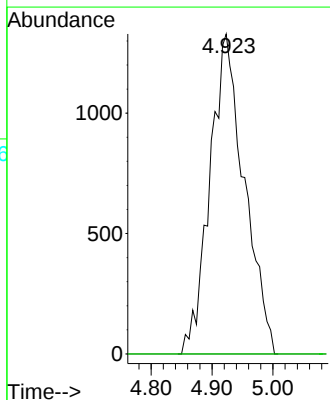
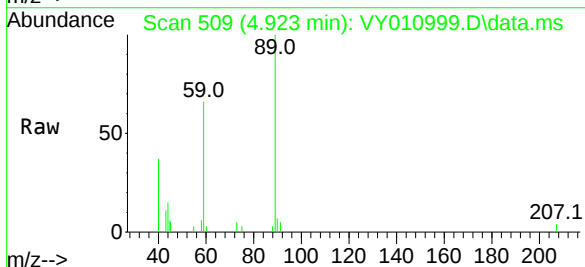
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-963-965RE

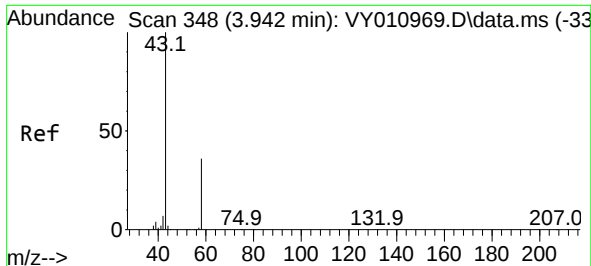
Tgt Ion:168 Resp: 279768
Ion Ratio Lower Upper
168 100
99 53.4 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.923 min Scan# 509
Delta R.T. -0.031 min
Lab File: VY010999.D
Acq: 18 Oct 2022 17:07

Tgt Ion: 59 Resp: 5226
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

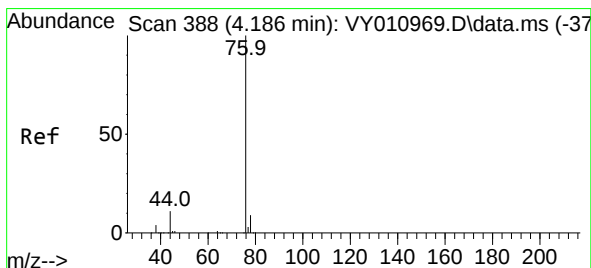
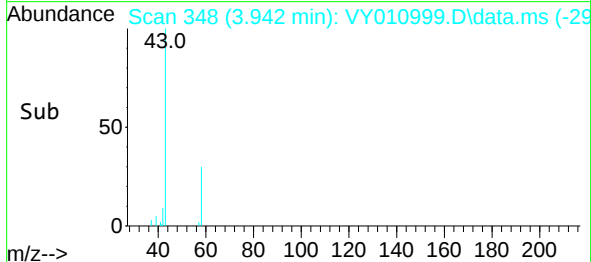
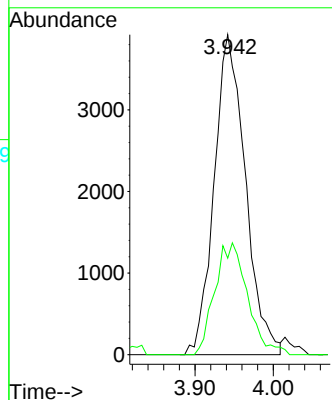
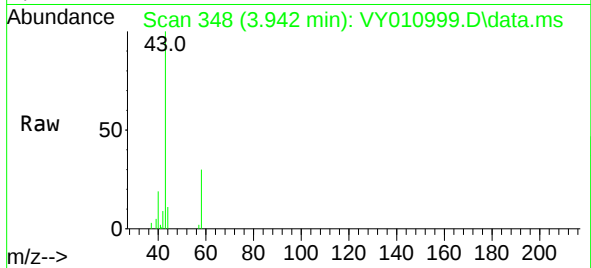




#16
Acetone
Concen: 14.522 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY010999.D
Acq: 18 Oct 2022 17:07

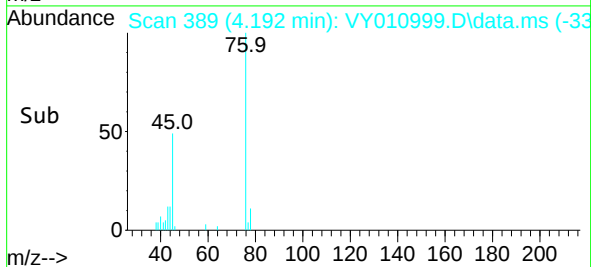
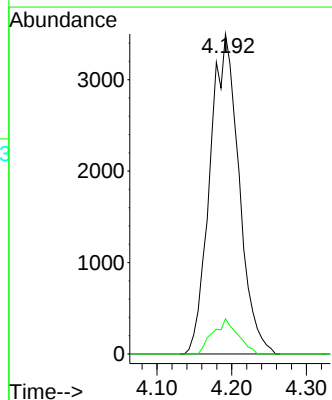
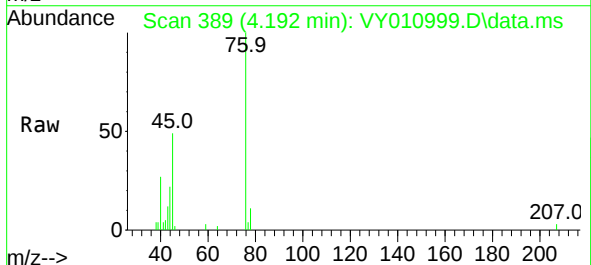
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-963-965RE

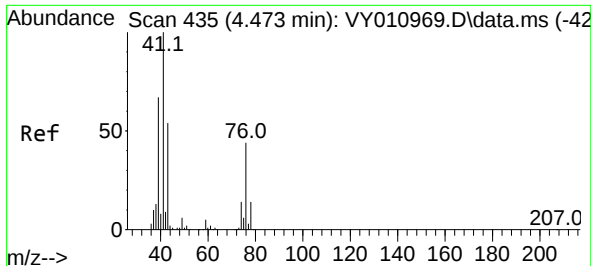
Tgt Ion: 43 Resp: 10868
Ion Ratio Lower Upper
43 100
58 30.1 22.0 33.0



#17
Carbon Disulfide
Concen: 1.215 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY010999.D
Acq: 18 Oct 2022 17:07

Tgt Ion: 76 Resp: 9453
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.0

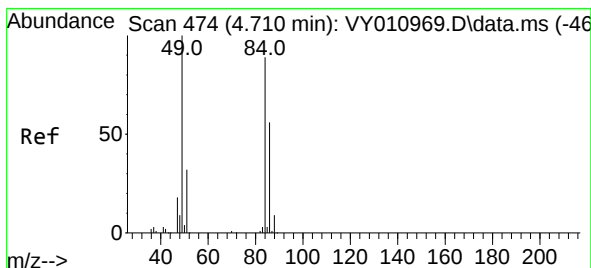
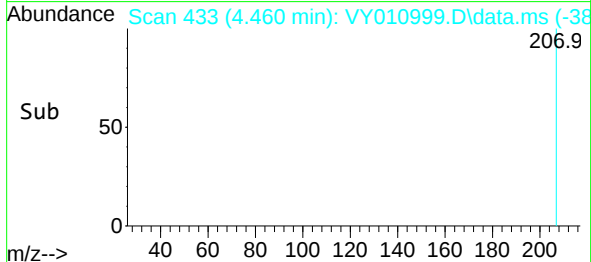
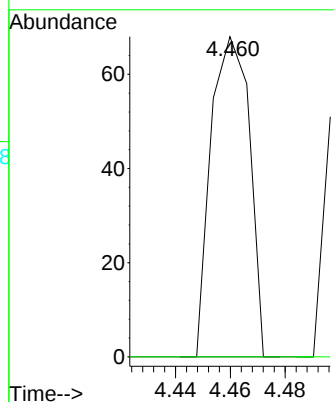
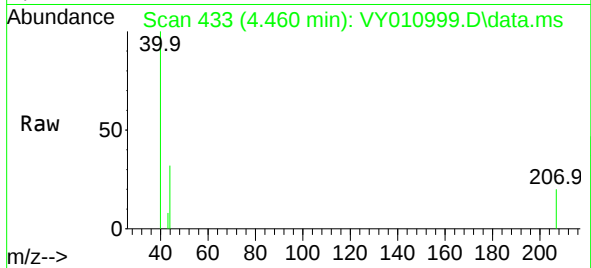




#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY010999.D
Acq: 18 Oct 2022 17:07

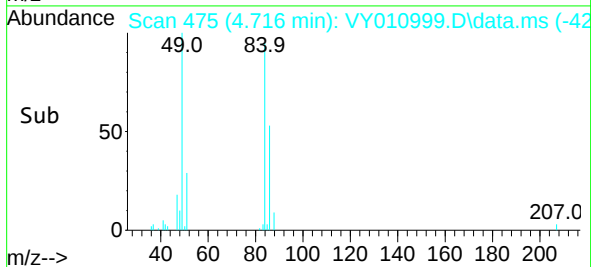
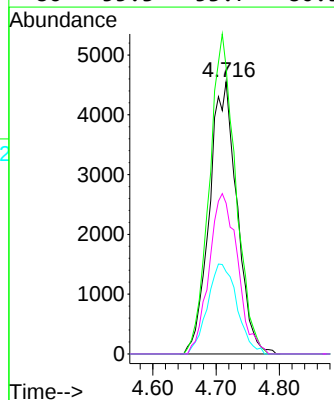
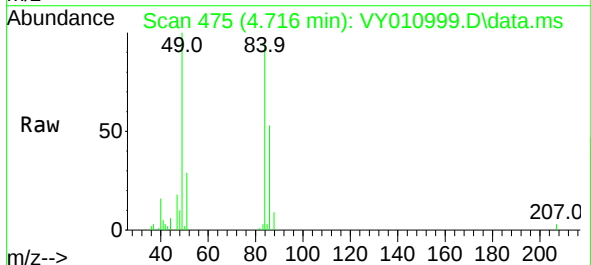
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-963-965RE

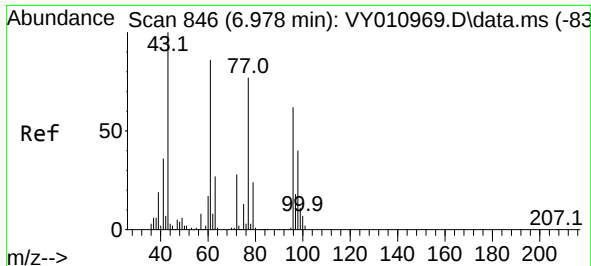
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY010999.D
Acq: 18 Oct 2022 17:07

Tgt Ion: 84 Resp: 13733
Ion Ratio Lower Upper
84 100
49 105.2 114.4 171.6#
51 30.2 35.3 52.9#
86 55.3 53.7 80.5

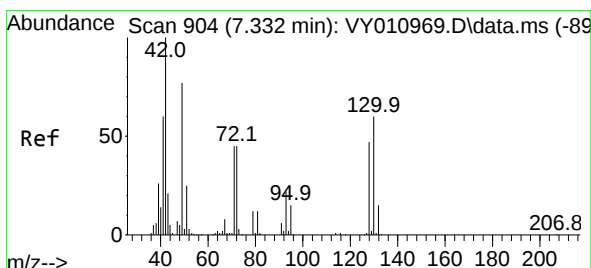
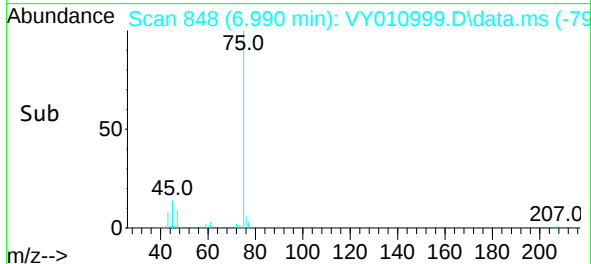
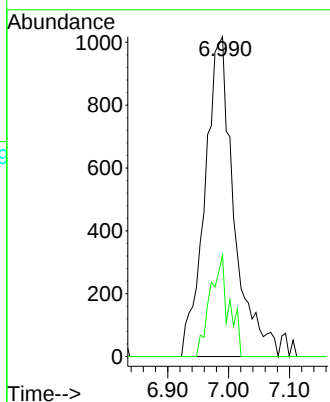
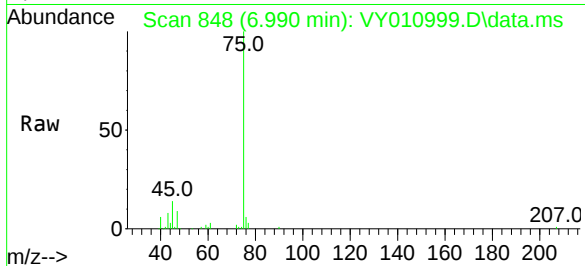




#25
2-Butanone
Concen: 2.977 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY010999.D
Acq: 18 Oct 2022 17:07

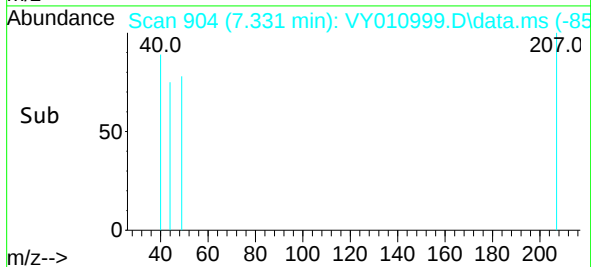
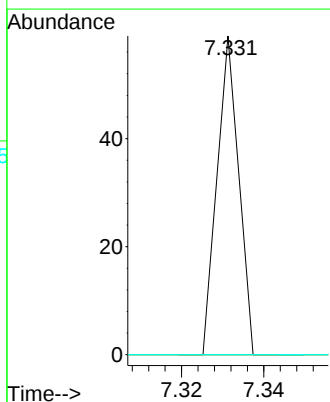
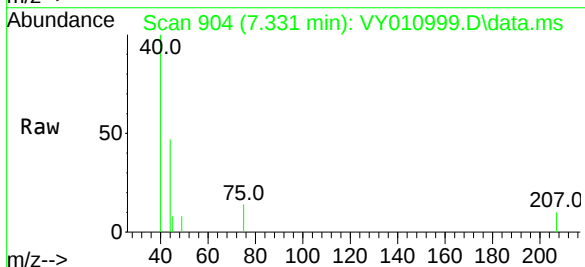
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-963-965RE

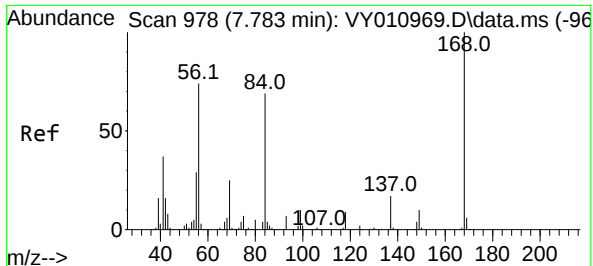
Tgt Ion: 43 Resp: 3379
Ion Ratio Lower Upper
43 100
72 31.7 17.7 26.5#



#28
Bromochloromethane
Concen: 3.531 ug/l
RT: 7.331 min Scan# 904
Delta R.T. -0.001 min
Lab File: VY010999.D
Acq: 18 Oct 2022 17:07

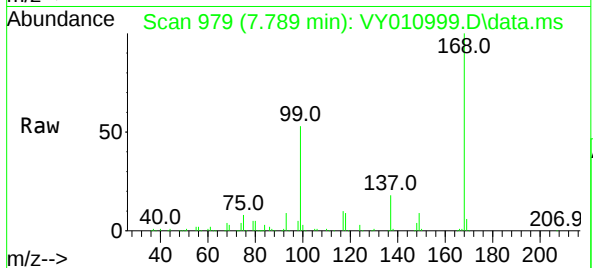
Tgt Ion: 49 Resp: 22
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 55.4 83.0#



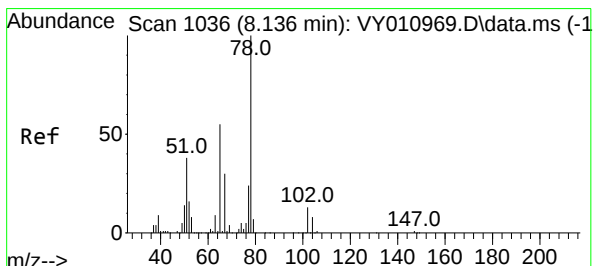
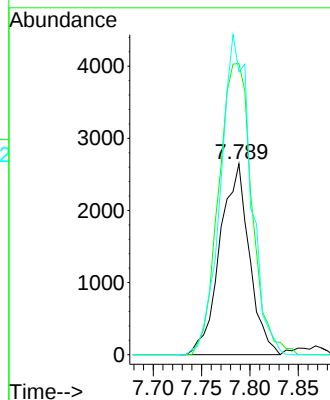
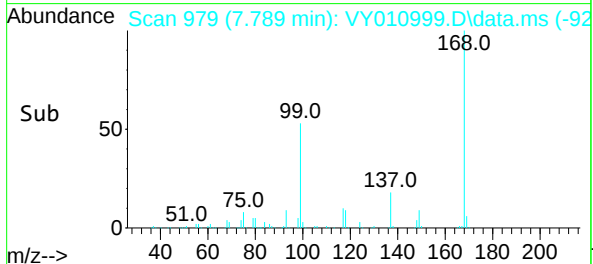


#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010999.D
Acq: 18 Oct 2022 17:07

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-963-965RE

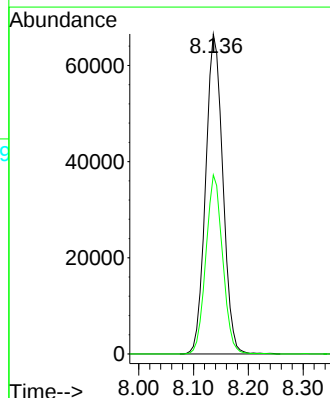
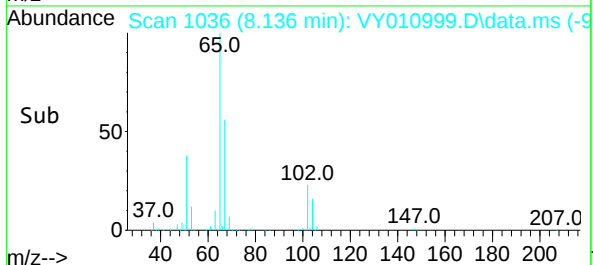
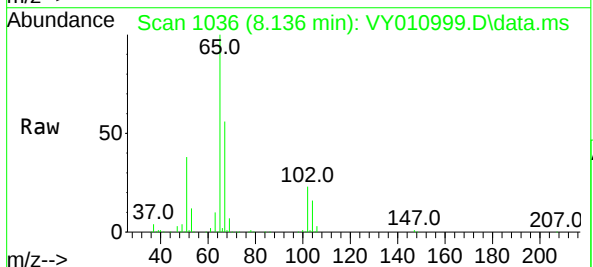


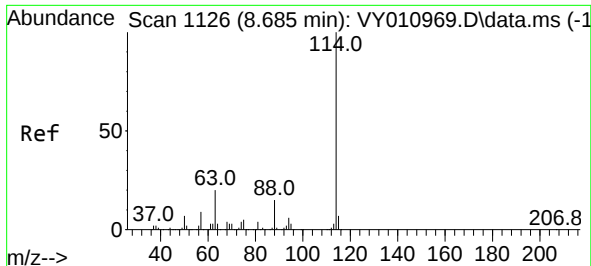
Tgt Ion: 56 Resp: 5587
Ion Ratio Lower Upper
56 100
69 152.6 26.7 40.1#
84 148.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.151 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010999.D
Acq: 18 Oct 2022 17:07

Tgt Ion: 65 Resp: 144705
Ion Ratio Lower Upper
65 100
67 54.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY010999.D

Acq: 18 Oct 2022 17:07

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW5-GW-963-965RE

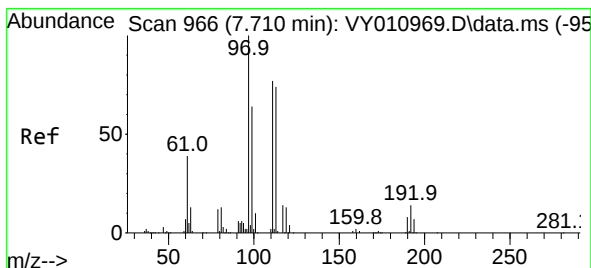
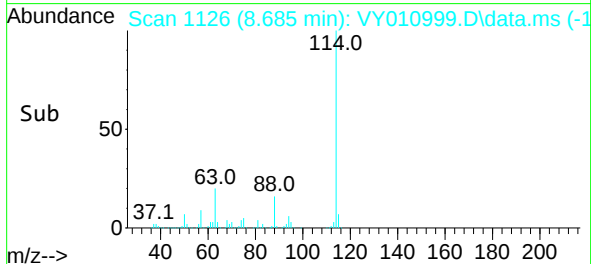
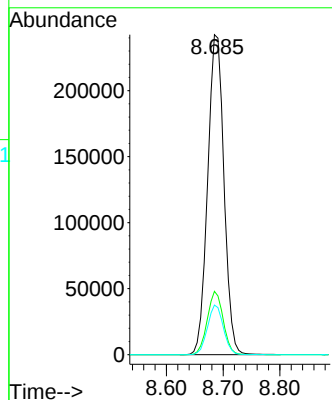
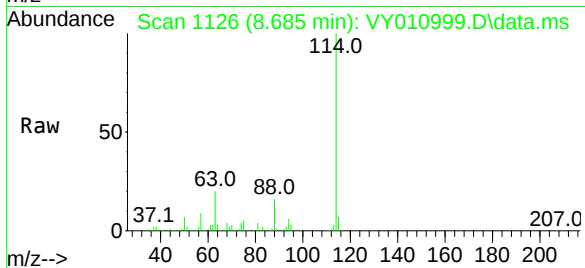
Tgt Ion:114 Resp: 483750

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.551 ug/l

RT: 7.715 min Scan# 967

Delta R.T. 0.005 min

Lab File: VY010999.D

Acq: 18 Oct 2022 17:07

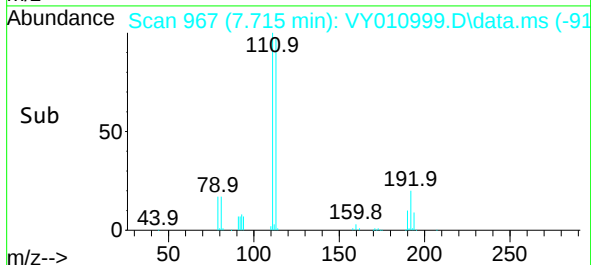
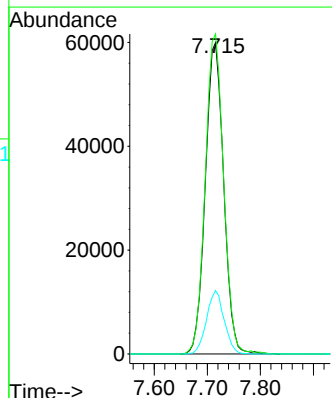
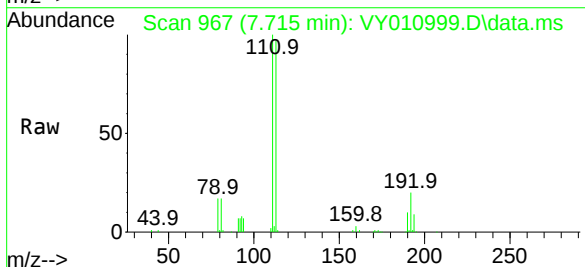
Tgt Ion:113 Resp: 143990

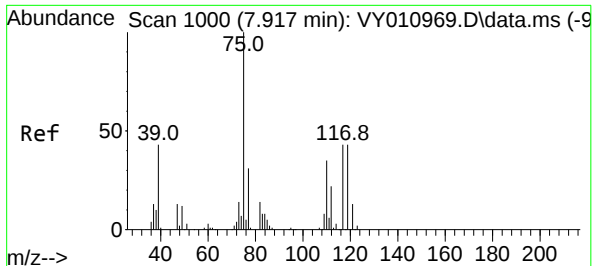
Ion Ratio Lower Upper

113 100

111 103.4 82.6 124.0

192 19.5 17.6 26.4

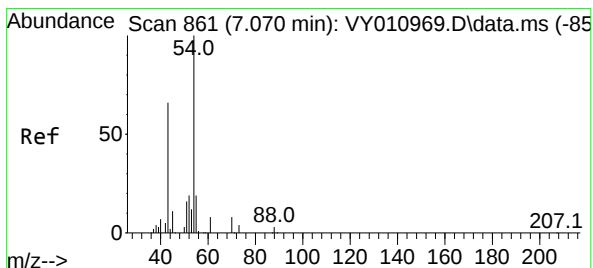
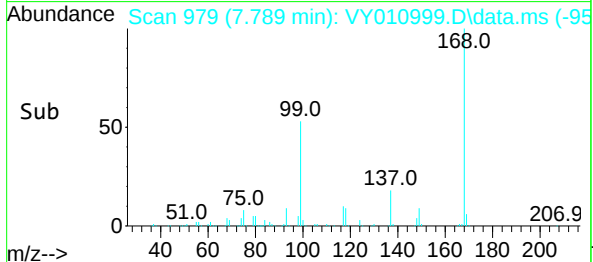
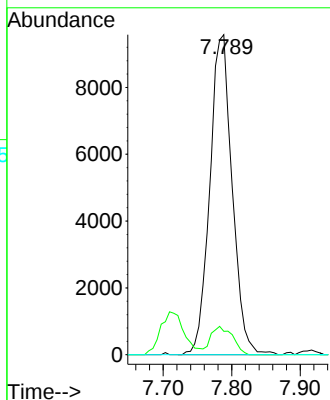
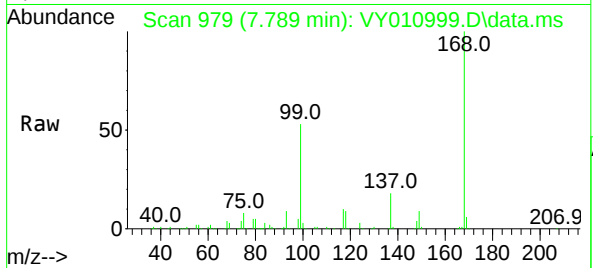




#36
1,1-Dichloropropene
Concen: 4.822 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010999.D
Acq: 18 Oct 2022 17:07

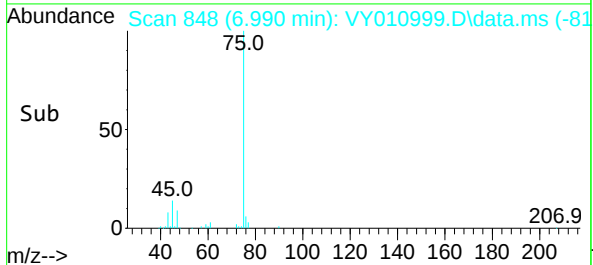
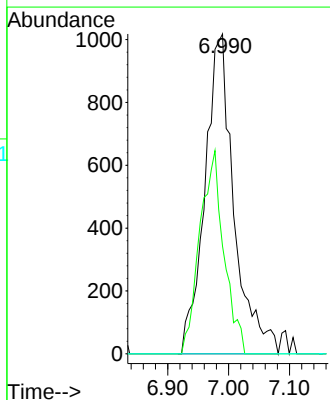
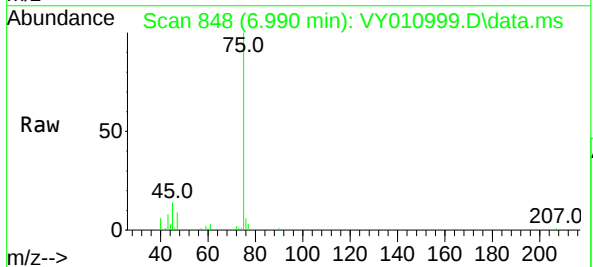
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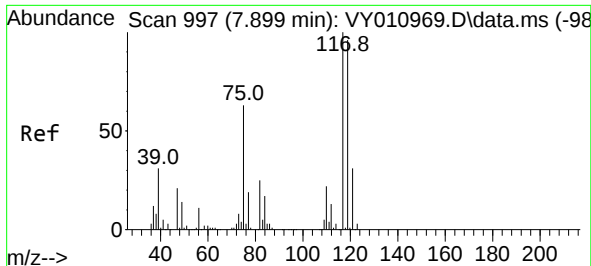
Tgt Ion: 75 Resp: 21715
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.355 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.080 min
Lab File: VY010999.D
Acq: 18 Oct 2022 17:07

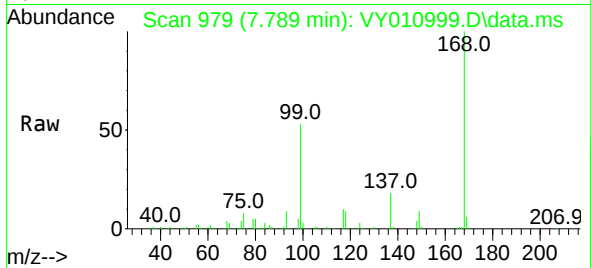
Tgt Ion: 43 Resp: 3379
Ion Ratio Lower Upper
43 100
61 52.6 9.7 14.5#
70 0.0 7.1 10.7#



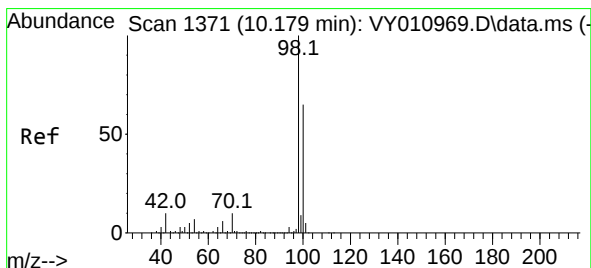
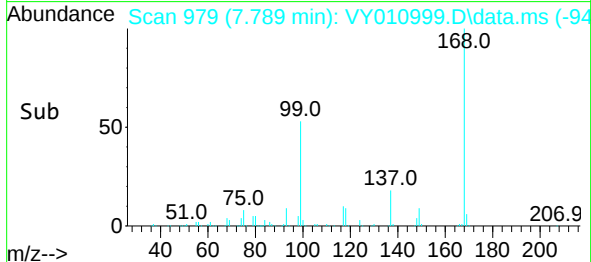
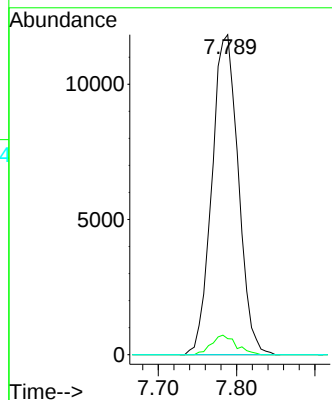


#38
Carbon Tetrachloride
Concen: 5.961 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010999.D
Acq: 18 Oct 2022 17:07

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-963-965RE

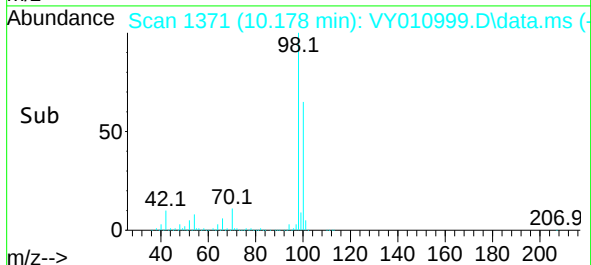
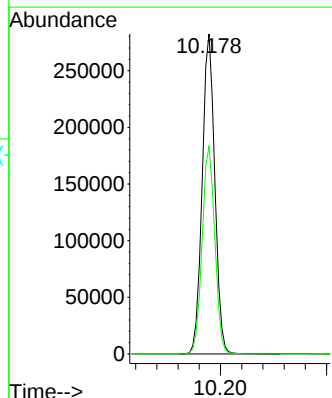
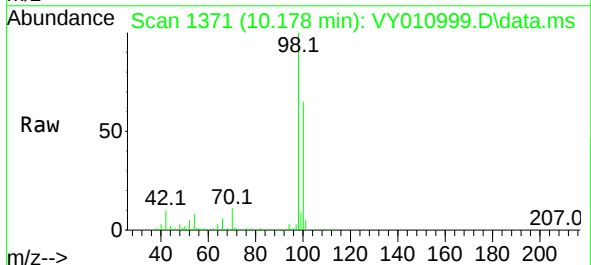


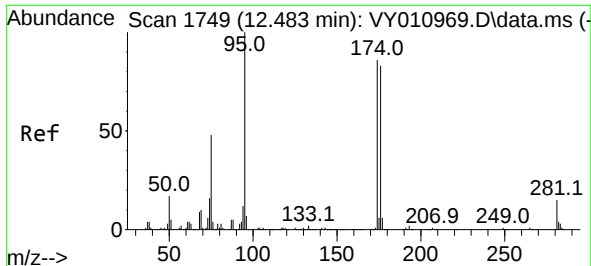
Tgt Ion:117 Resp: 27710
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.135 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY010999.D
Acq: 18 Oct 2022 17:07

Tgt Ion: 98 Resp: 465997
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 36.442 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY010999.D

Acq: 18 Oct 2022 17:07

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW5-GW-963-965RE

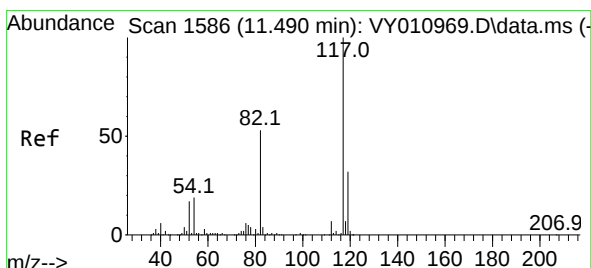
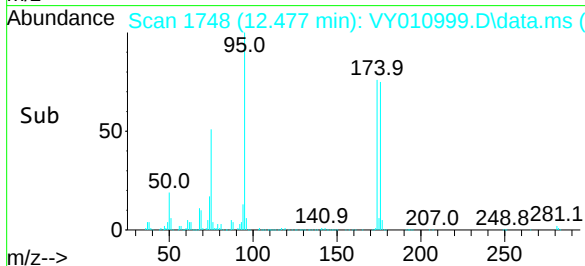
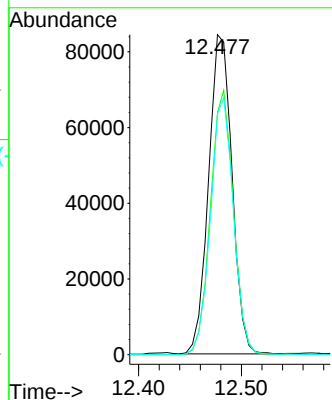
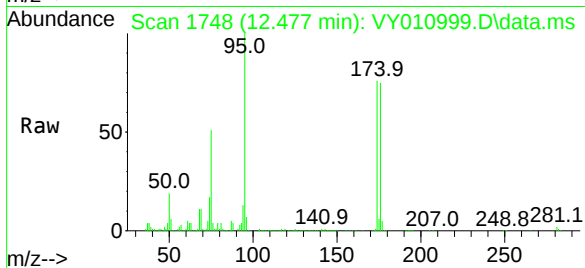
Tgt Ion: 95 Resp: 133370

Ion Ratio Lower Upper

95 100

174 81.4 0.0 177.0

176 78.9 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY010999.D

Acq: 18 Oct 2022 17:07

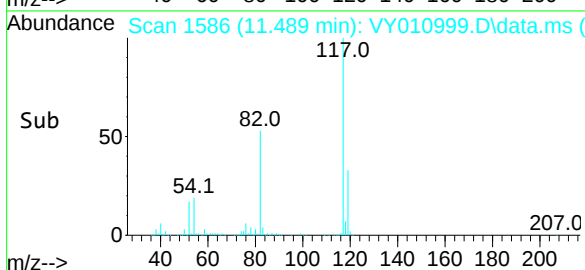
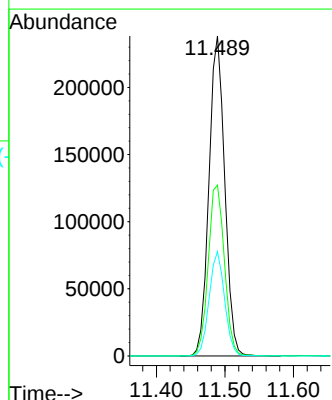
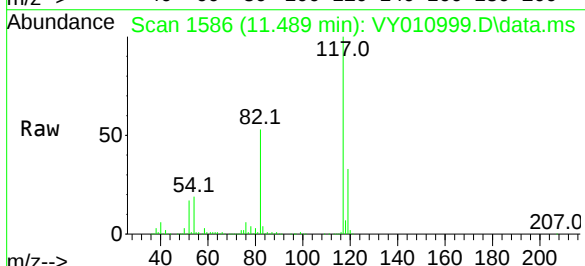
Tgt Ion: 117 Resp: 381815

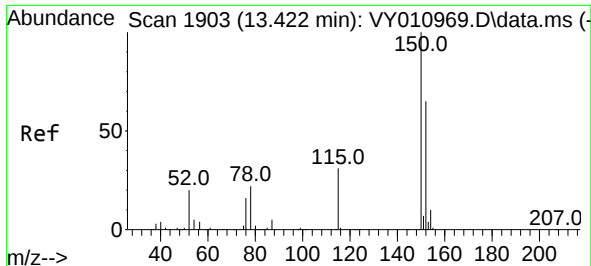
Ion Ratio Lower Upper

117 100

82 53.3 43.0 64.4

119 32.6 25.4 38.0

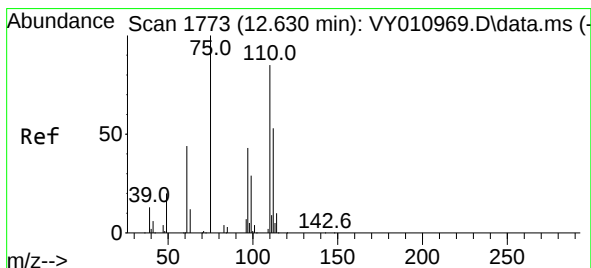
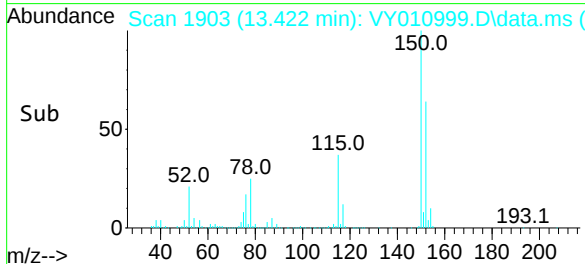
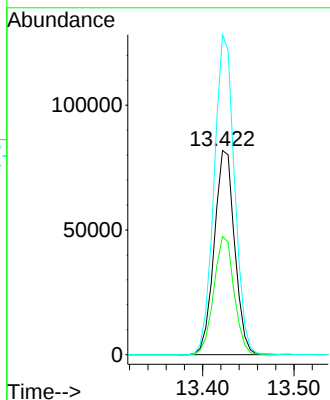
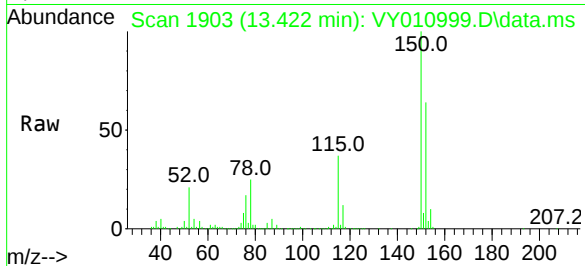




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY010999.D
 Acq: 18 Oct 2022 17:07

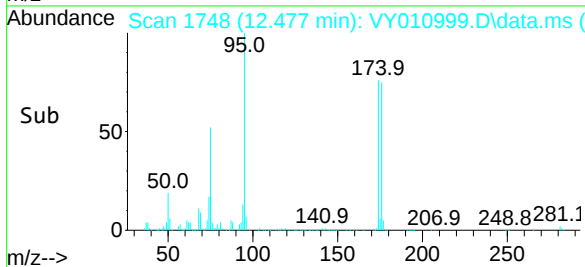
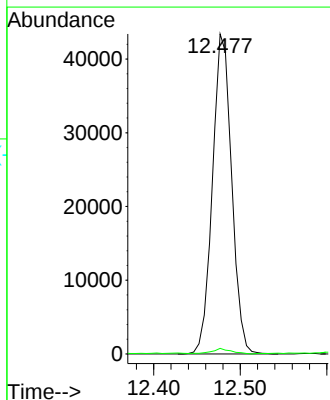
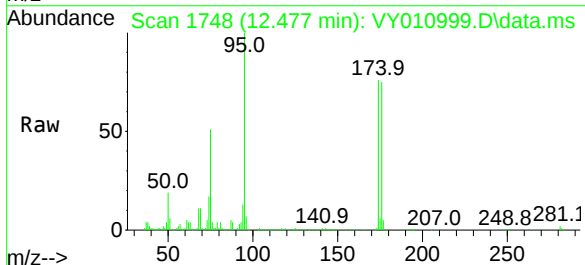
Instrument : MSVOA_Y
 ClientSampleId : BP-VPB-RW5-GW-963-965RE

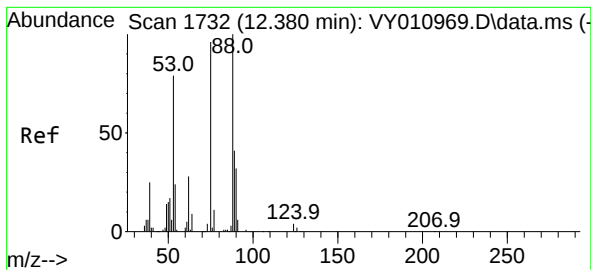
Tgt Ion:152 Resp: 127030
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.2 84.7
 150 156.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 46.343 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010999.D
 Acq: 18 Oct 2022 17:07

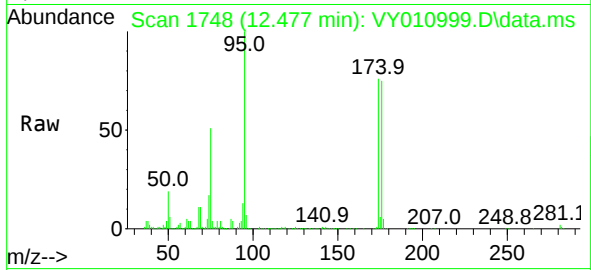
Tgt Ion: 75 Resp: 66835
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.670 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY010999.D
 Acq: 18 Oct 2022 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW5-GW-963-965RE



Tgt Ion: 75 Resp: 66835
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.0 37.0 55.4#

