

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101822\
 Data File : VY010993.D
 Acq On : 18 Oct 2022 14:07
 Operator : KP/MD
 Sample : N5149-14
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Oct 18 17:03:49 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)

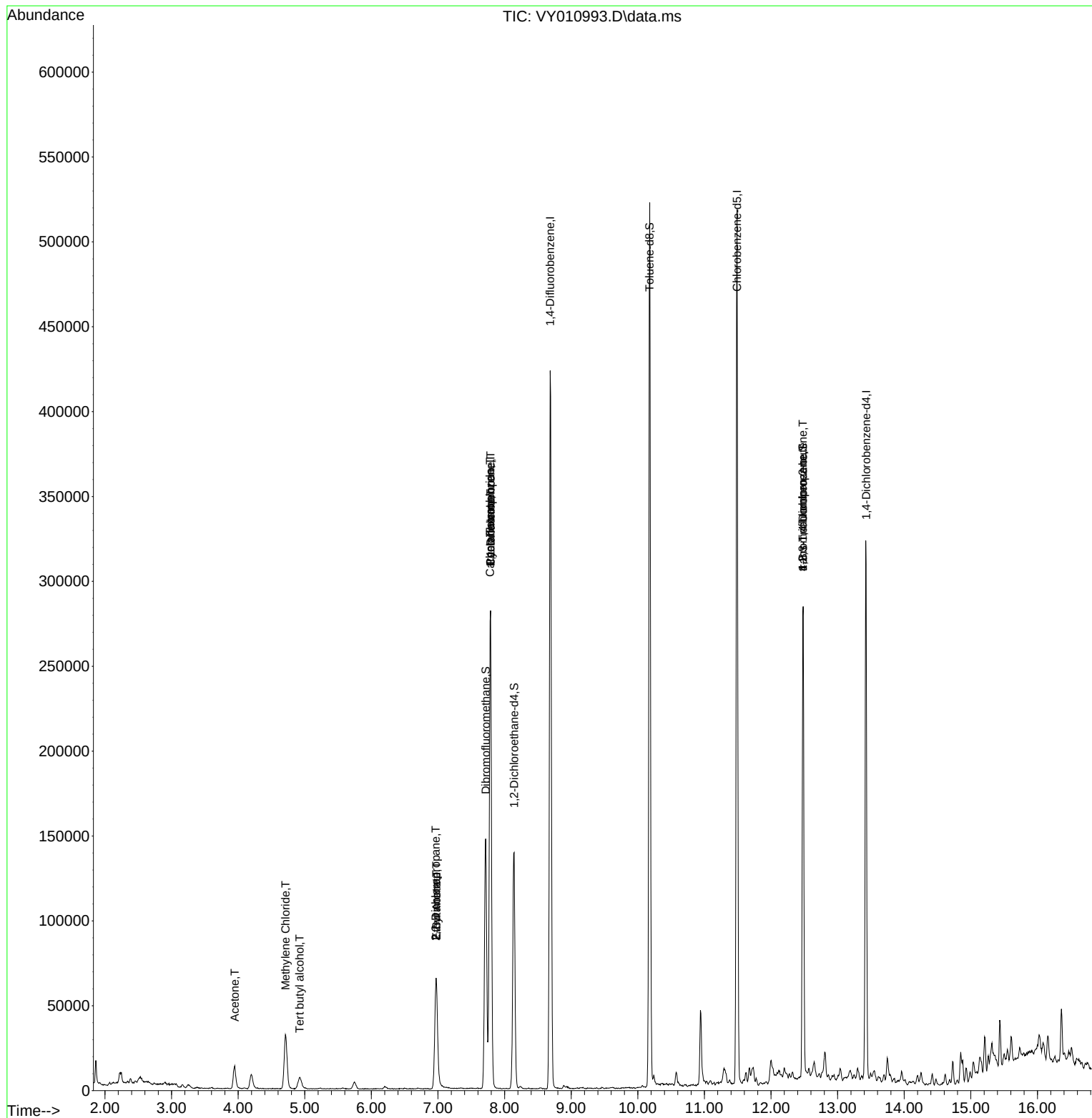
Internal Standards						
1) Pentafluorobenzene	7.789	168	222363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	370989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	284214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	107207	52.340	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.680%	
35) Dibromofluoromethane	7.716	113	106166	51.398	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.800%	
50) Toluene-d8	10.179	98	343727	44.373	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.740%	
62) 4-Bromofluorobenzene	12.477	95	87729	30.792	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 61.580%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.923	59	7597	12.316	ug/l #	77
16) Acetone	3.948	43	23108	38.849	ug/l #	84
18) Methyl Acetate	4.484	43	137	Below Cal	#	56
20) Methylene Chloride	4.710	84	24968	3.794	ug/l #	85
25) 2-Butanone	6.978	43	4657	5.163	ug/l #	82
26) 2,2-Dichloropropane	6.966	77	4919	1.281	ug/l #	55
31) Cyclohexane	7.789	56	4316	1.101	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	17238	4.991	ug/l #	51
37) Ethyl Acetate	6.978	43	4657	2.436	ug/l #	7
38) Carbon Tetrachloride	7.783	117	22042	6.183	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	44544	46.778	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44544	100.606	ug/l #	7

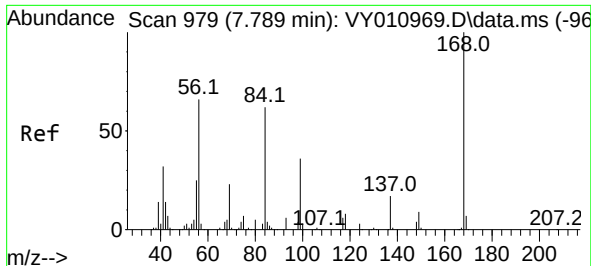
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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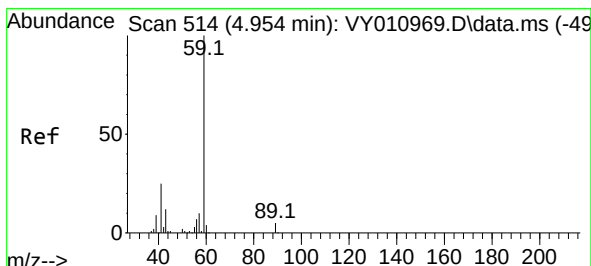
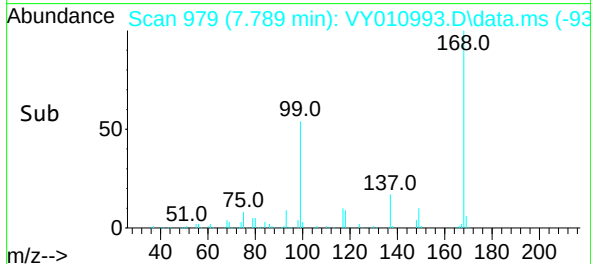
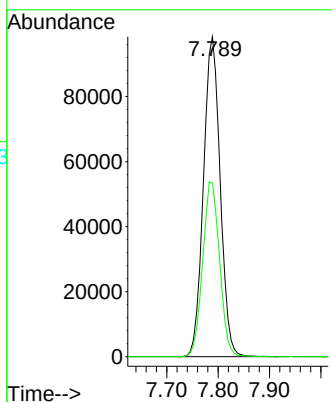
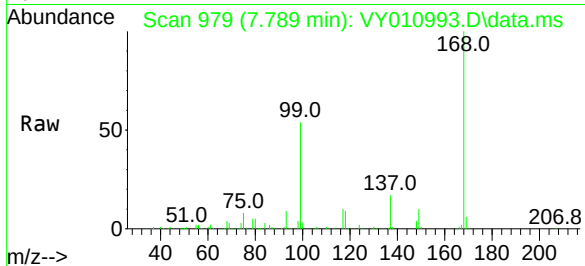




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010993.D
Acq: 18 Oct 2022 14:07

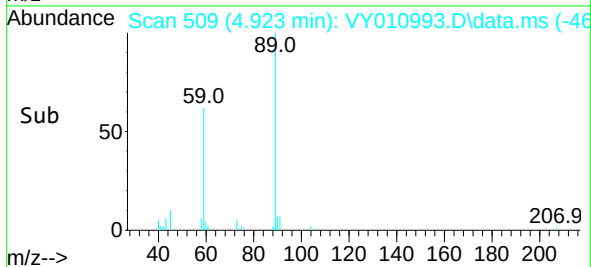
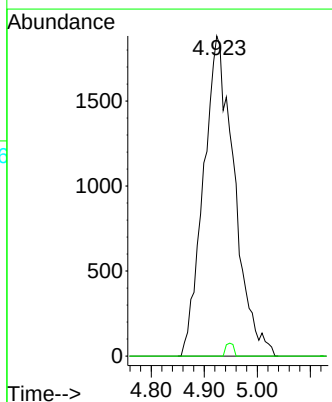
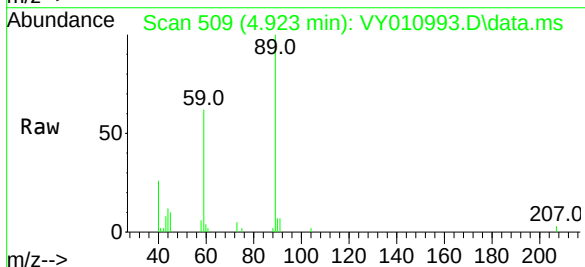
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-963-965

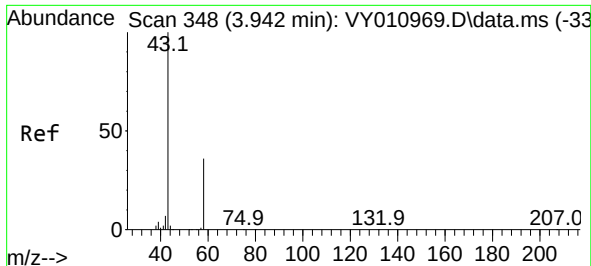
Tgt Ion:168 Resp: 222363
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3



#11
Tert butyl alcohol
Concen: 12.316 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.031 min
Lab File: VY010993.D
Acq: 18 Oct 2022 14:07

Tgt Ion: 59 Resp: 7597
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 38.849 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY010993.D

Acq: 18 Oct 2022 14:07

Instrument :

MSVOA_Y

ClientSampleId :

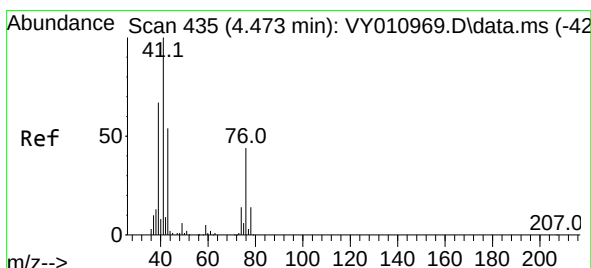
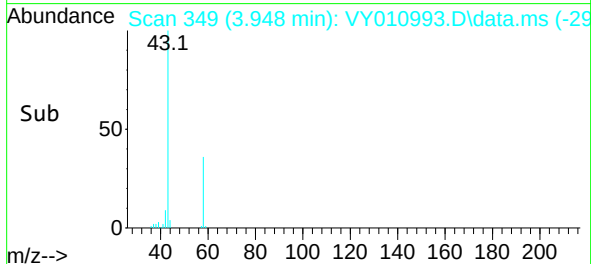
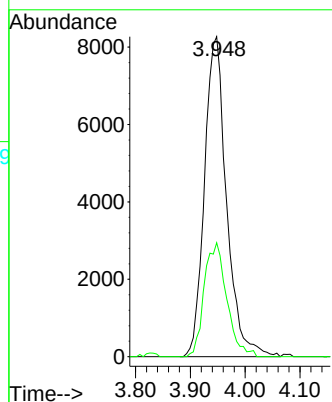
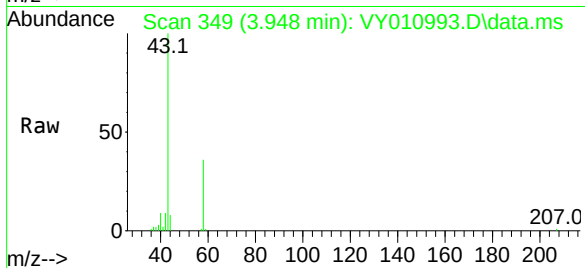
BP-VPB-RW5-GW-963-965

Tgt Ion: 43 Resp: 23108

Ion Ratio Lower Upper

43 100

58 35.6 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.484 min Scan# 437

Delta R.T. 0.011 min

Lab File: VY010993.D

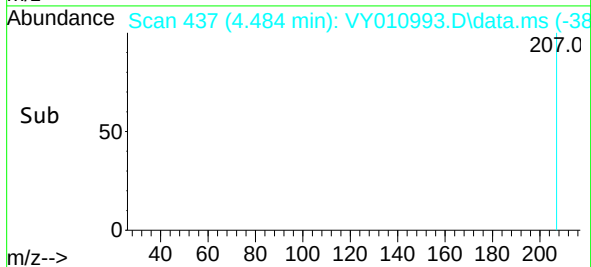
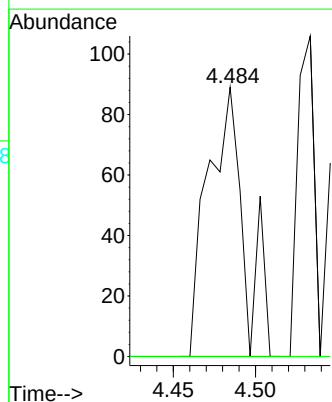
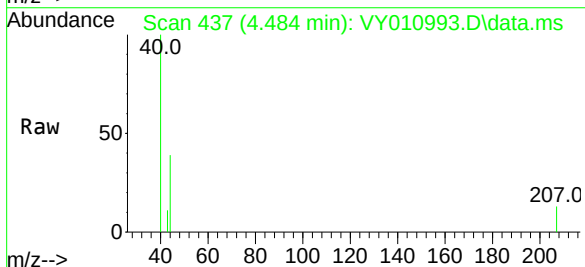
Acq: 18 Oct 2022 14:07

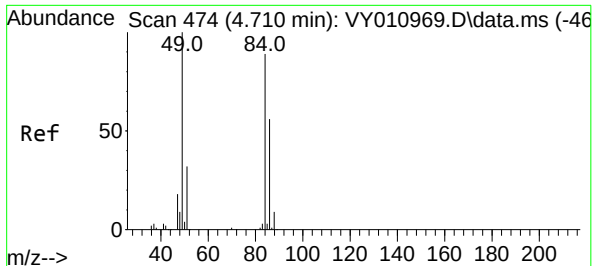
Tgt Ion: 43 Resp: 137

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

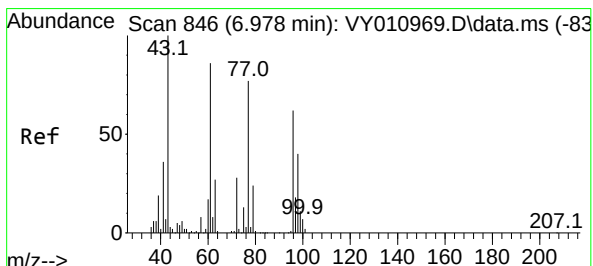
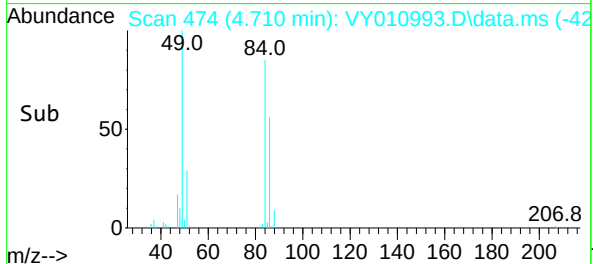
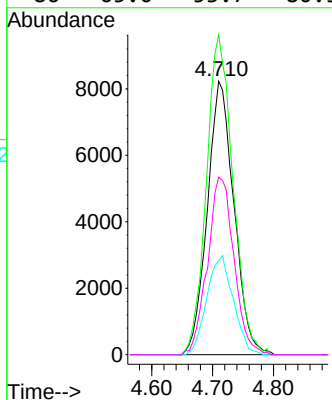
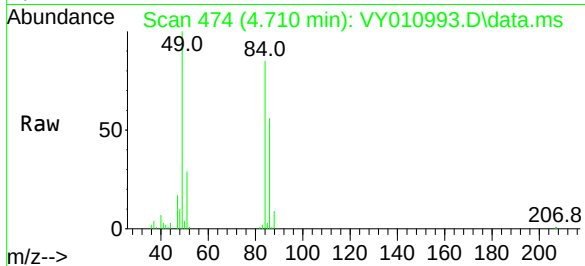




#20
Methylene Chloride
Concen: 3.794 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010993.D
Acq: 18 Oct 2022 14:07

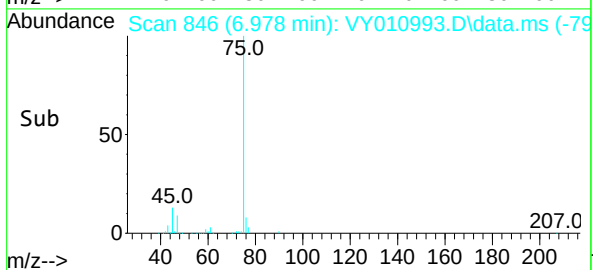
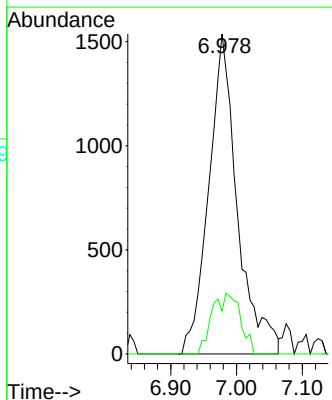
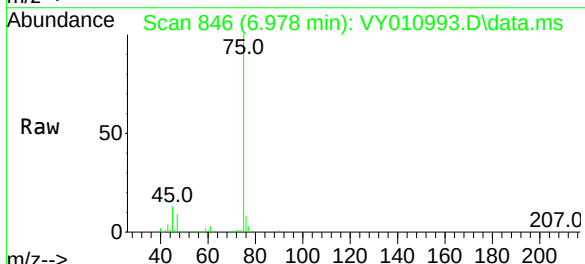
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-963-965

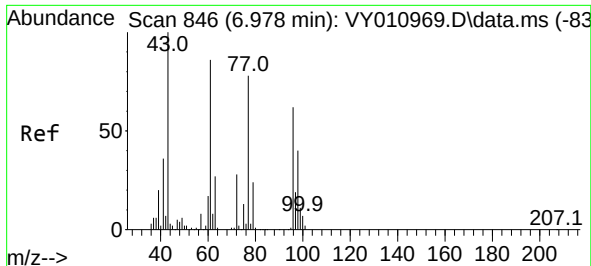
Tgt Ion:	84	Resp:	24968
Ion	Ratio	Lower	Upper
84	100		
49	117.0	114.4	171.6
51	34.5	35.3	52.9#
86	65.0	53.7	80.5



#25
2-Butanone
Concen: 5.163 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY010993.D
Acq: 18 Oct 2022 14:07

Tgt Ion:	43	Resp:	4657
Ion	Ratio	Lower	Upper
43	100		
72	13.4	17.7	26.5#





#26

2,2-Dichloropropane

Concen: 1.281 ug/l

RT: 6.966 min Scan# 846

Delta R.T. -0.012 min

Lab File: VY010993.D

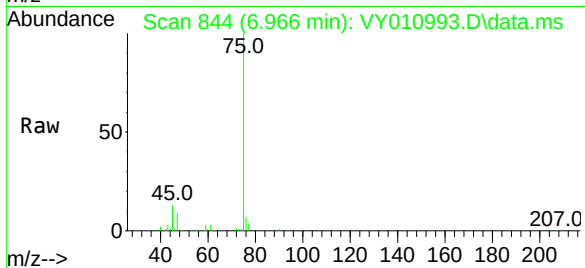
Acq: 18 Oct 2022 14:07

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW5-GW-963-965

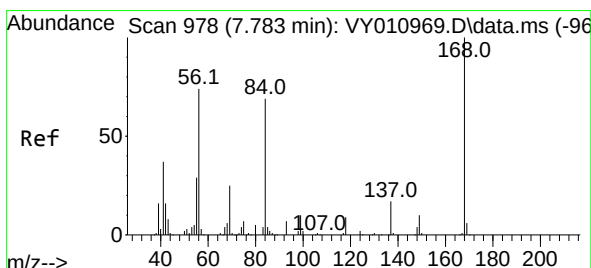
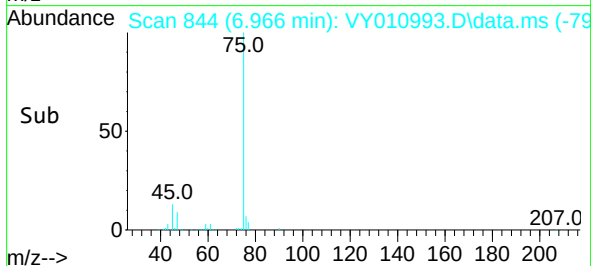
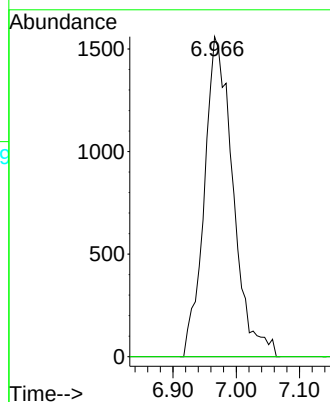


Tgt Ion: 77 Resp: 4919

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.101 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY010993.D

Acq: 18 Oct 2022 14:07

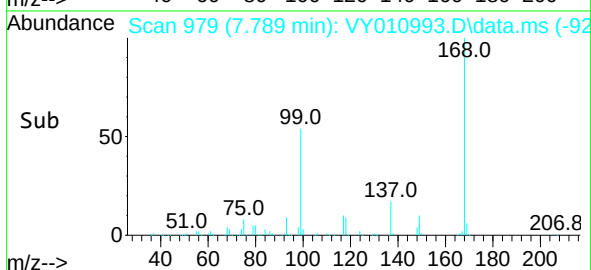
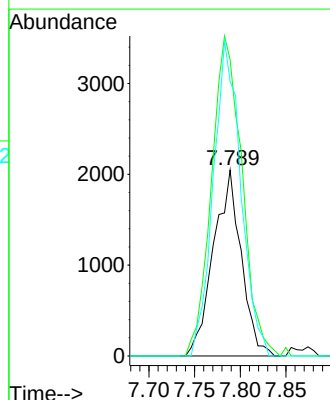
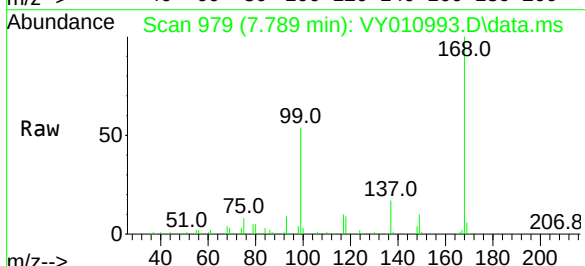
Tgt Ion: 56 Resp: 4316

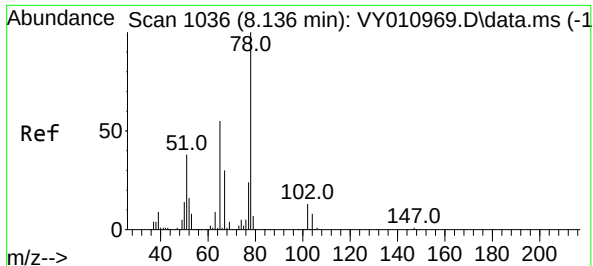
Ion Ratio Lower Upper

56 100

69 159.4 26.7 40.1#

84 147.7 67.2 100.8#

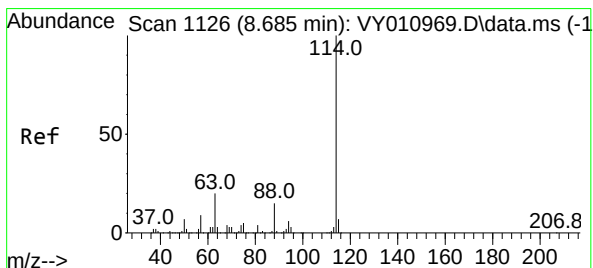
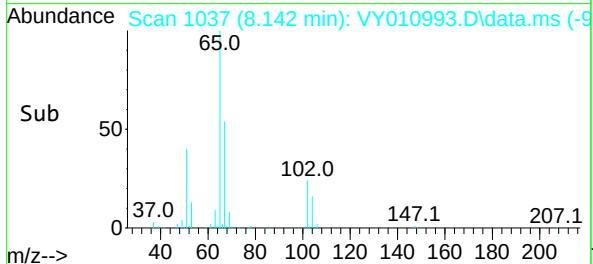
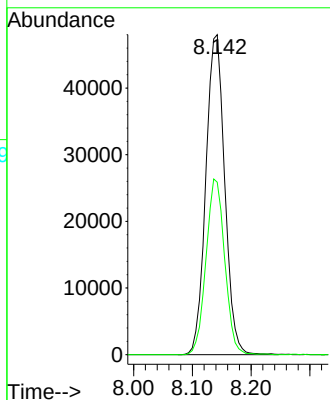
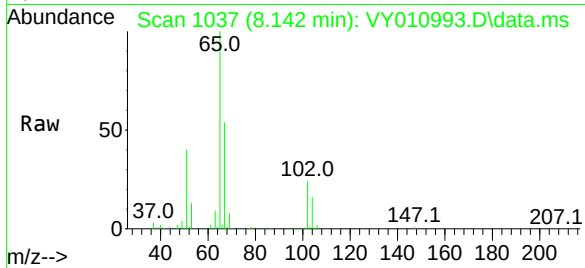




#33
 1,2-Dichloroethane-d4
 Concen: 52.340 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. 0.006 min
 Lab File: VY010993.D
 Acq: 18 Oct 2022 14:07

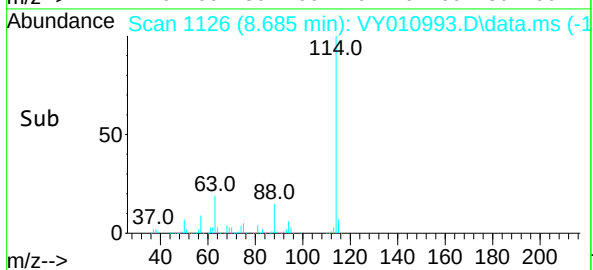
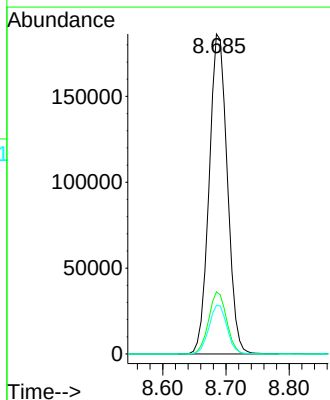
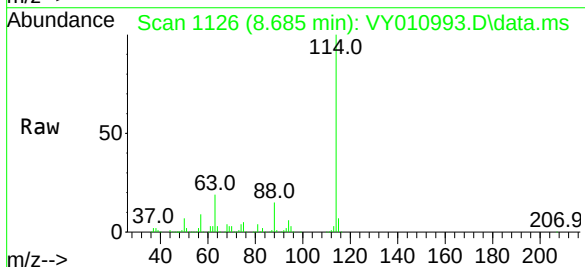
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 BP-VPB-RW5-GW-963-965

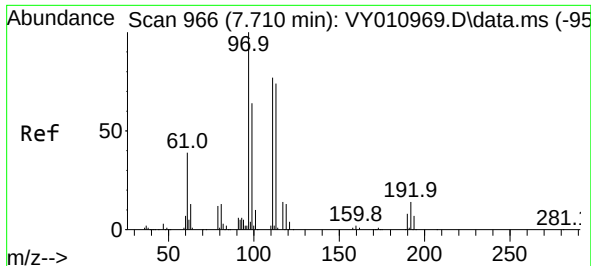
Tgt Ion: 65 Resp: 107207
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY010993.D
 Acq: 18 Oct 2022 14:07

Tgt Ion: 114 Resp: 370989
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 43.2
 88 15.2 0.0 31.8

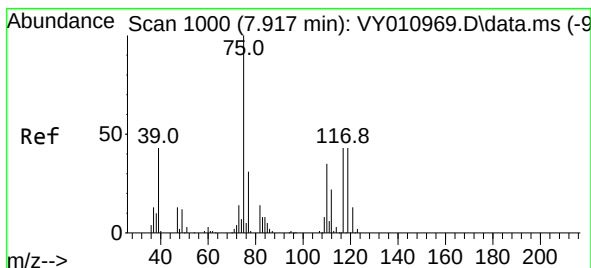
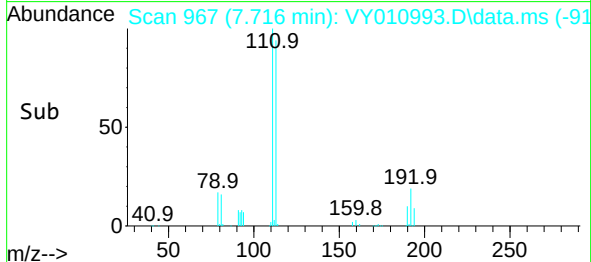
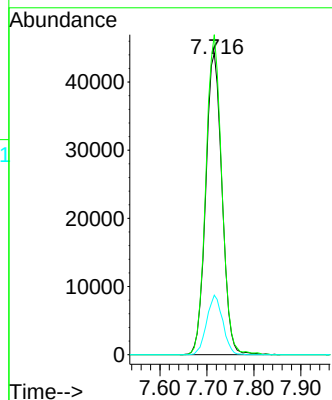
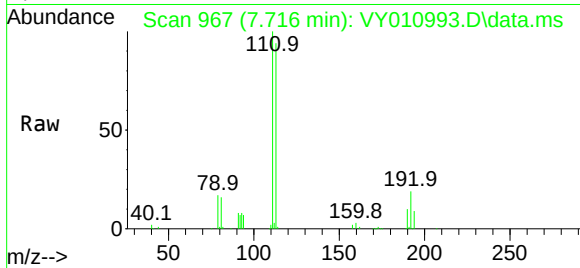




#35
Dibromofluoromethane
Concen: 51.398 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY010993.D
Acq: 18 Oct 2022 14:07

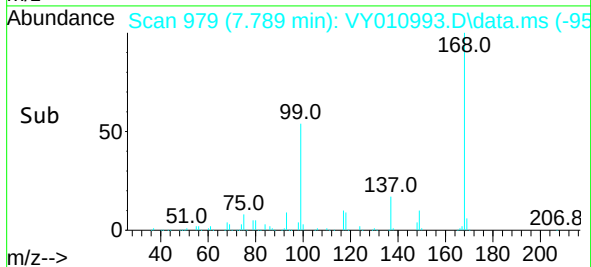
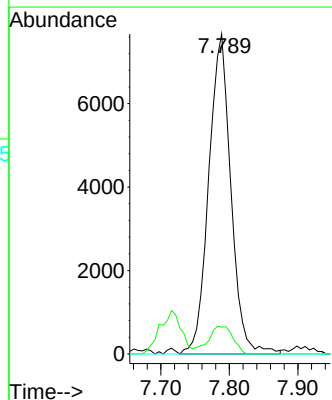
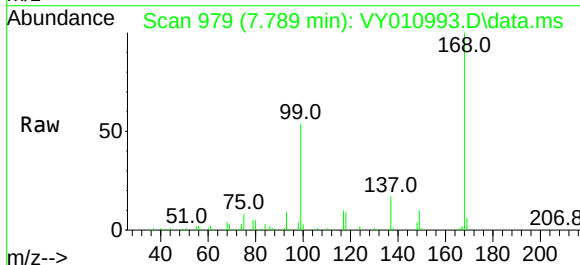
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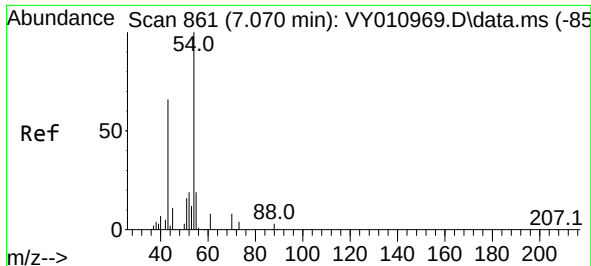
Tgt Ion:113 Resp: 106166
Ion Ratio Lower Upper
113 100
111 104.1 82.6 124.0
192 19.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.991 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY010993.D
Acq: 18 Oct 2022 14:07

Tgt Ion: 75 Resp: 17238
Ion Ratio Lower Upper
75 100
110 9.6 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.436 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY010993.D

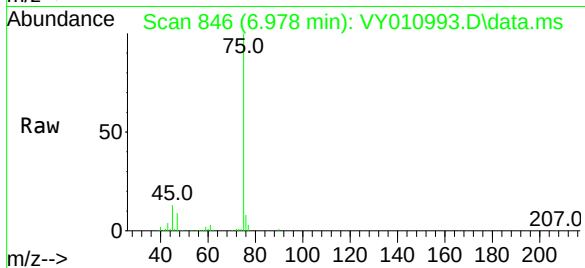
Acq: 18 Oct 2022 14:07

Instrument :

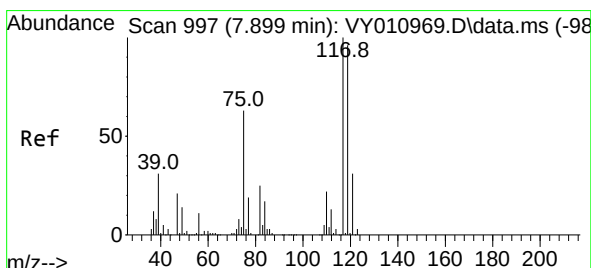
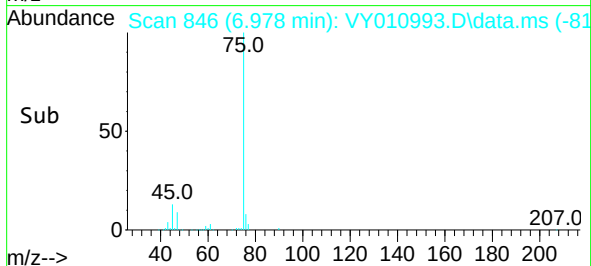
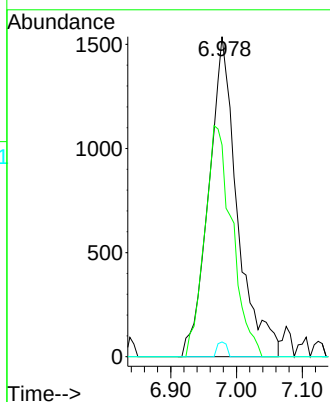
MSVOA_Y

ClientSampleId :

BP-VPB-RW5-GW-963-965



Tgt Ion:	43	Resp:	4657
Ion	Ratio	Lower	Upper
43	100		
61	69.2	9.7	14.5#
70	1.5	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.183 ug/l

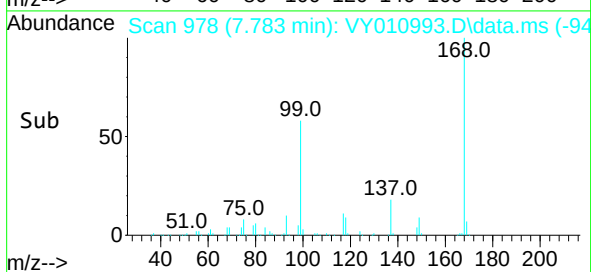
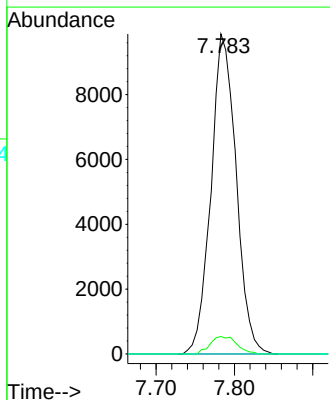
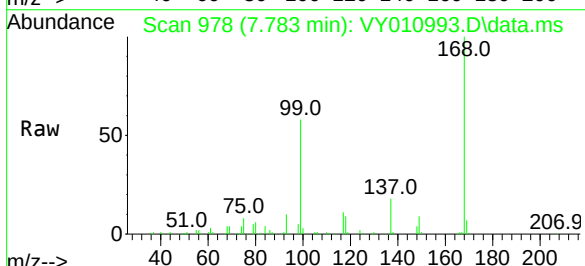
RT: 7.783 min Scan# 978

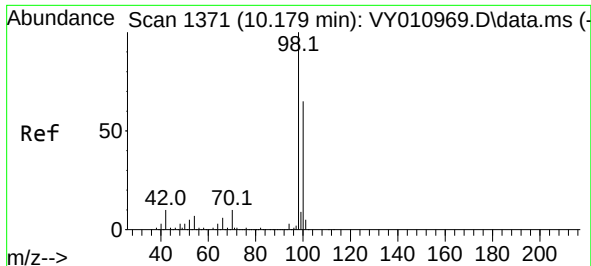
Delta R.T. -0.116 min

Lab File: VY010993.D

Acq: 18 Oct 2022 14:07

Tgt Ion:	117	Resp:	22042
Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.9	116.9#
121	0.0	24.8	37.2#

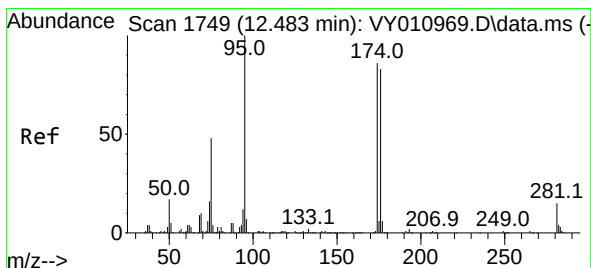
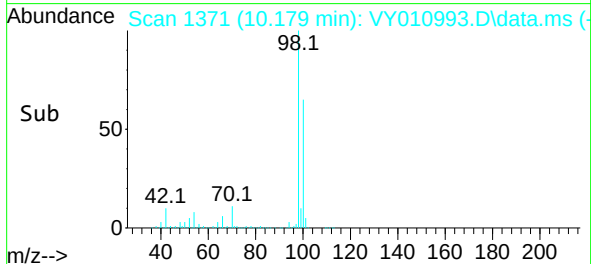
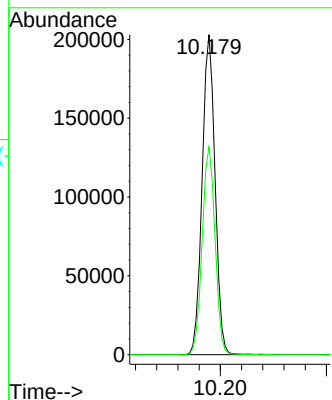
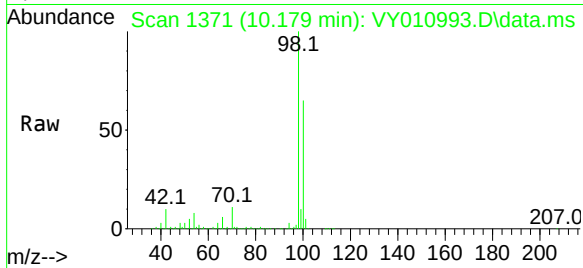




#50
Toluene-d8
Concen: 44.373 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010993.D
Acq: 18 Oct 2022 14:07

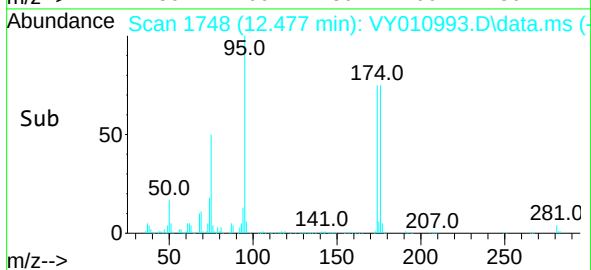
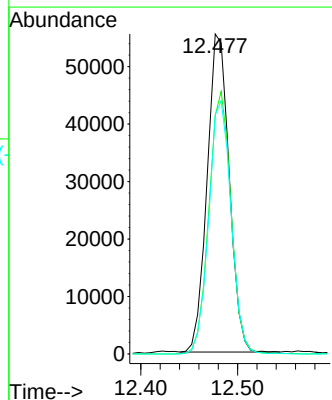
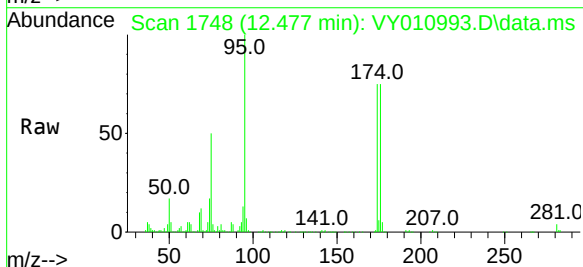
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-963-965

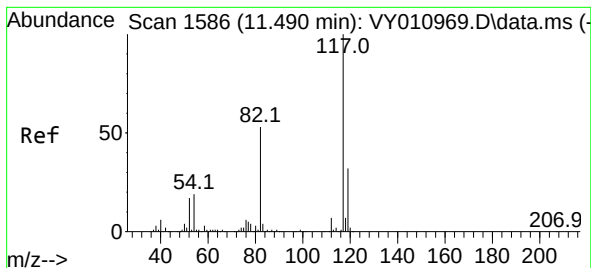
Tgt Ion: 98 Resp: 343727
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 30.792 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010993.D
Acq: 18 Oct 2022 14:07

Tgt Ion: 95 Resp: 87729
Ion Ratio Lower Upper
95 100
174 82.8 0.0 177.0
176 80.5 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY010993.D

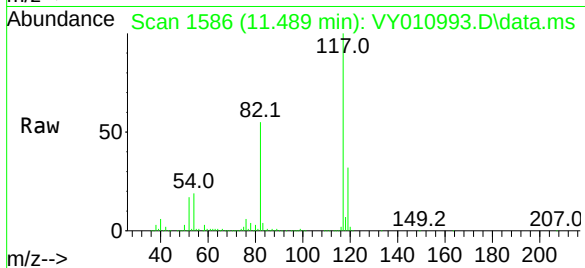
Acq: 18 Oct 2022 14:07

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW5-GW-963-965



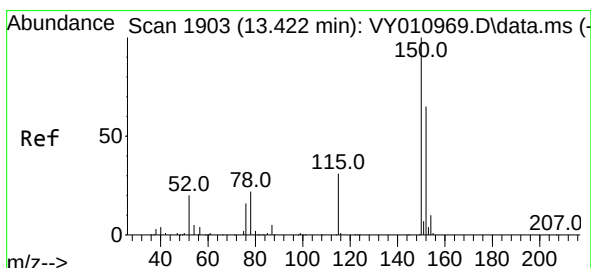
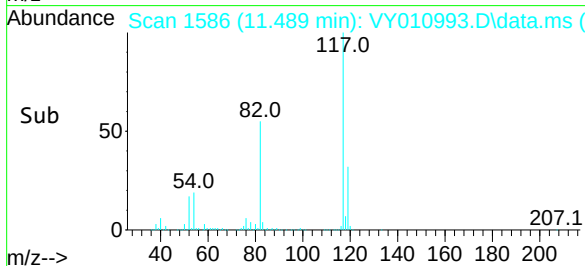
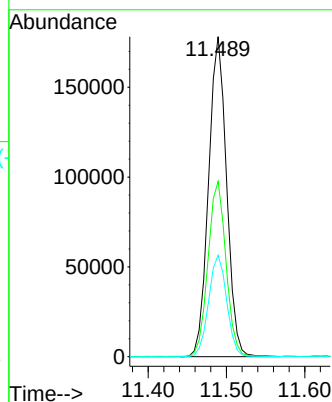
Tgt Ion:117 Resp: 284214

Ion Ratio Lower Upper

117 100

82 54.8 43.0 64.4

119 31.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY010993.D

Acq: 18 Oct 2022 14:07

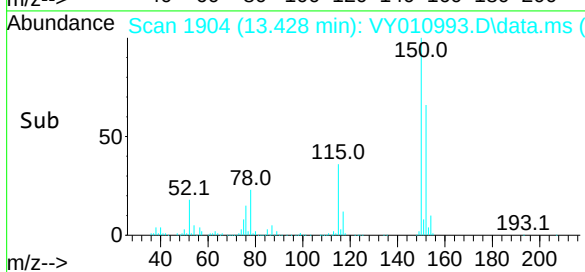
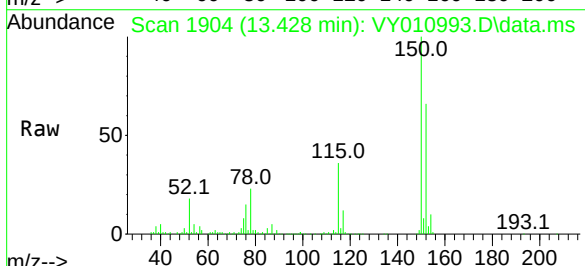
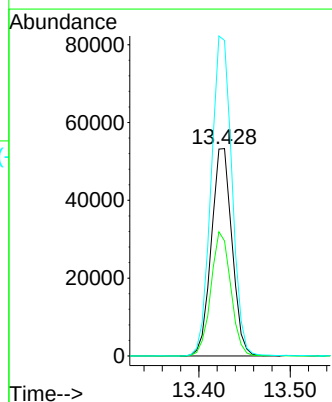
Tgt Ion:152 Resp: 83875

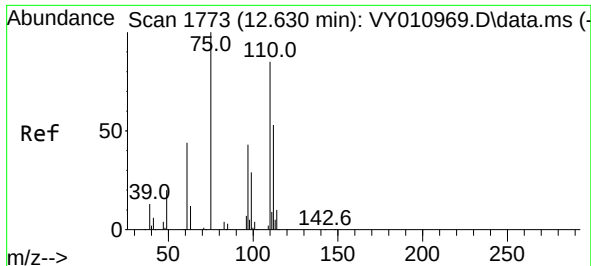
Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.7

150 155.0 0.0 347.6

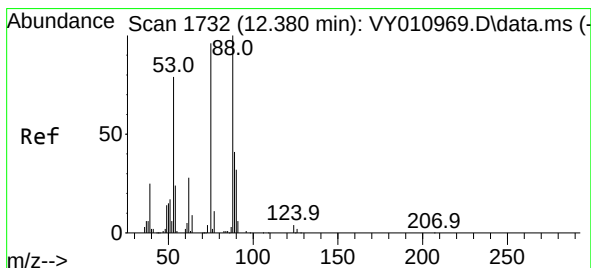
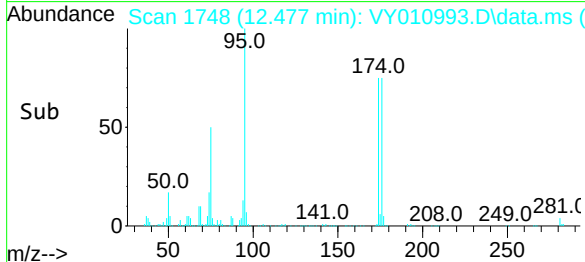
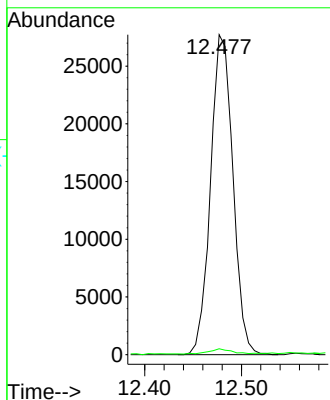
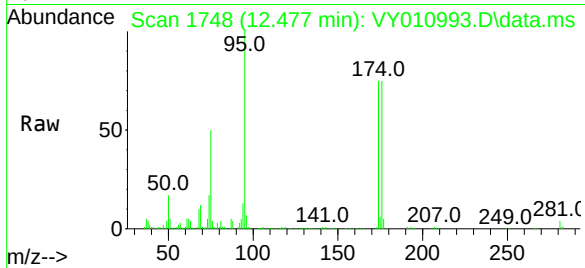




#76
1,2,3-Trichloropropane
Concen: 46.778 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010993.D
Acq: 18 Oct 2022 14:07

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

Tgt Ion: 75 Resp: 44544
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.606 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010993.D
Acq: 18 Oct 2022 14:07

Tgt Ion: 75 Resp: 44544
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 0.0 37.0 55.4#

