

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101822\
 Data File : VY010990.D
 Acq On : 18 Oct 2022 12:59
 Operator : KP/MD
 Sample : N5149-09
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW5-DUP-20221011

Quant Time: Oct 18 17:02:37 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)

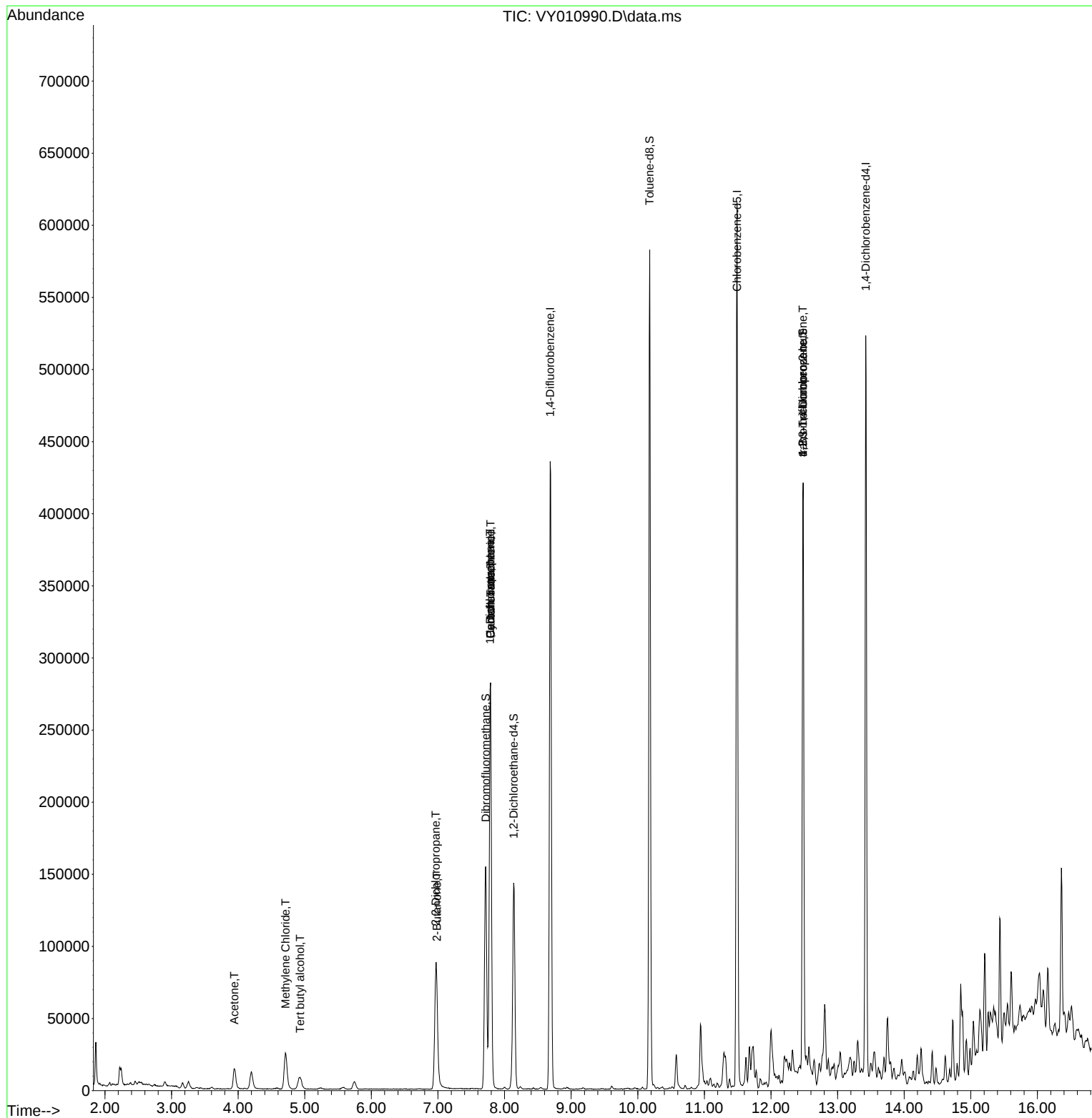
Internal Standards						
1) Pentafluorobenzene	7.789	168	221284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	383360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	334541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	107006	52.496	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.000%			
35) Dibromofluoromethane	7.716	113	110613	51.841	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.680%			
50) Toluene-d8	10.179	98	377478	47.158	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.320%			
62) 4-Bromofluorobenzene	12.477	95	123787	43.242	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.480%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.930	59	9617	22.132	ug/l #	84
16) Acetone	3.942	43	25596	43.241	ug/l #	81
18) Methyl Acetate	4.552	43	340	Below Cal	#	56
20) Methylene Chloride	4.710	84	19491	1.417	ug/l #	78
25) 2-Butanone	6.984	43	6183	6.888	ug/l #	88
26) 2,2-Dichloropropane	6.966	77	6760	1.769	ug/l #	55
31) Cyclohexane	7.789	56	4627	1.186	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16663	4.669	ug/l #	51
38) Carbon Tetrachloride	7.789	117	21588	5.860	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	61979	40.844	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61979	87.843	ug/l #	7

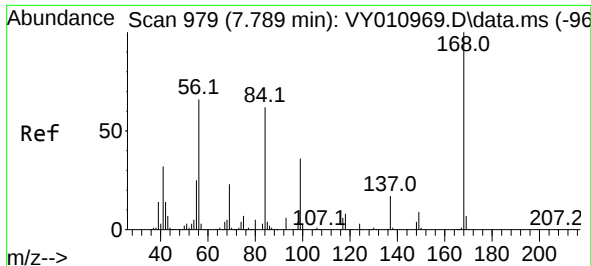
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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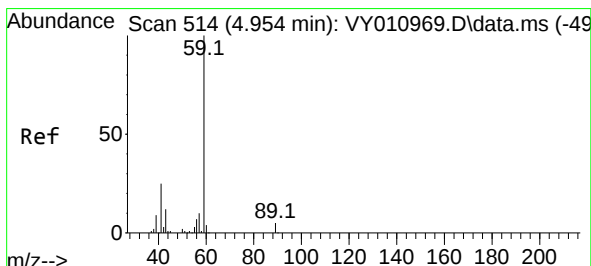
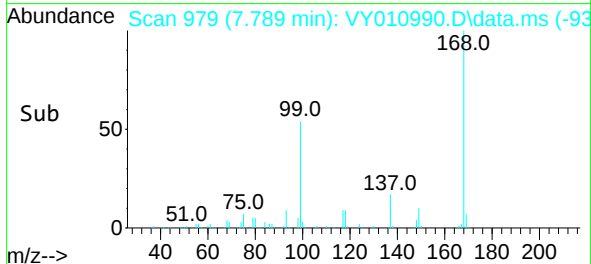
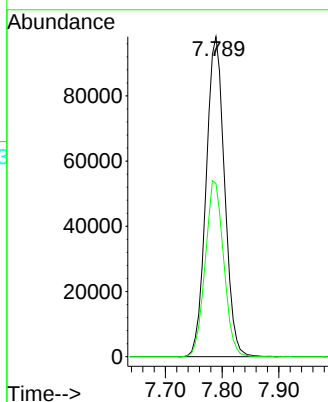
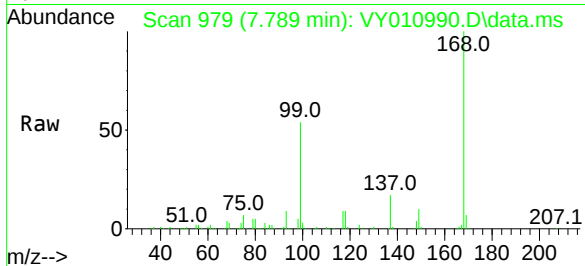




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010990.D
Acq: 18 Oct 2022 12:59

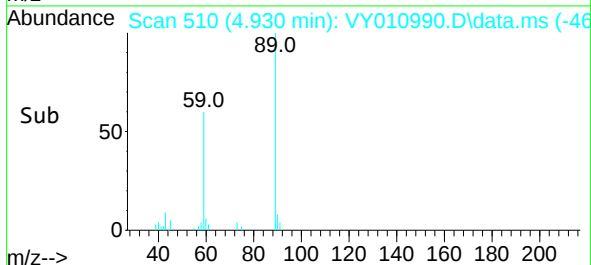
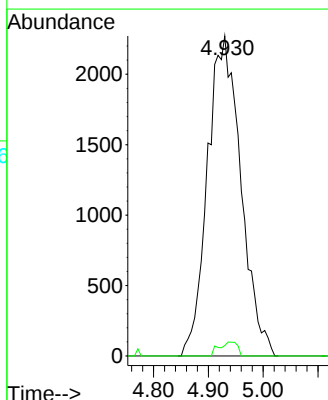
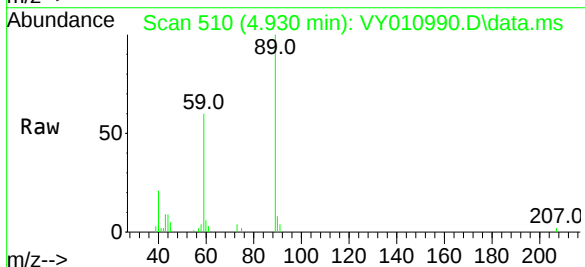
Instrument :
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ClientSampleId :
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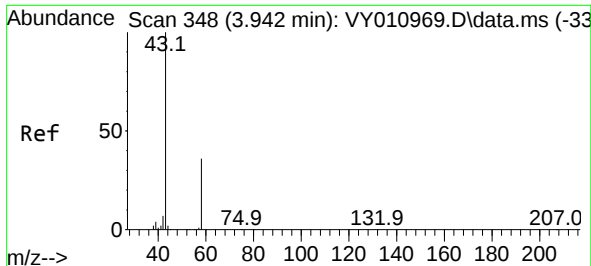
Tgt Ion:168 Resp: 221284
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#11
Tert butyl alcohol
Concen: 22.132 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY010990.D
Acq: 18 Oct 2022 12:59

Tgt Ion: 59 Resp: 9617
Ion Ratio Lower Upper
59 100
57 2.4 6.4 9.6#

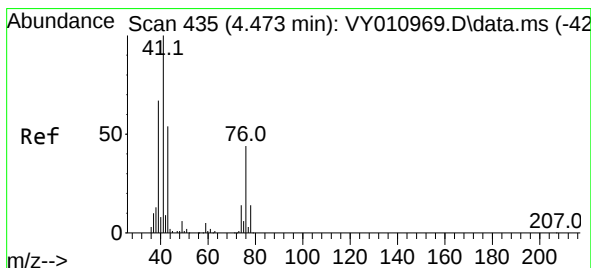
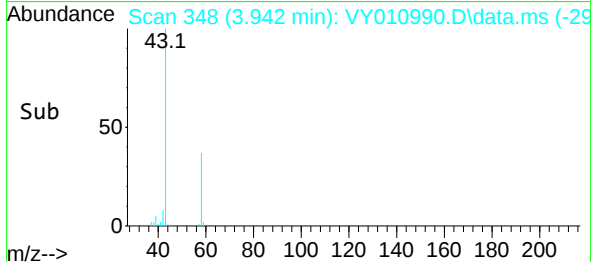
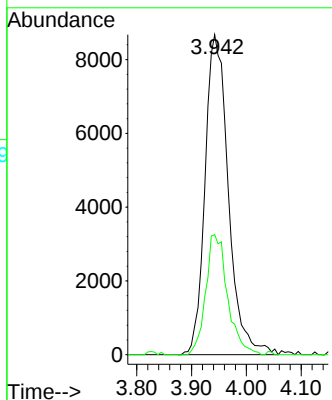
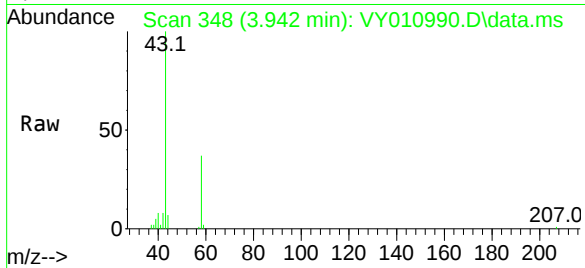




#16
Acetone
Concen: 43.241 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010990.D
Acq: 18 Oct 2022 12:59

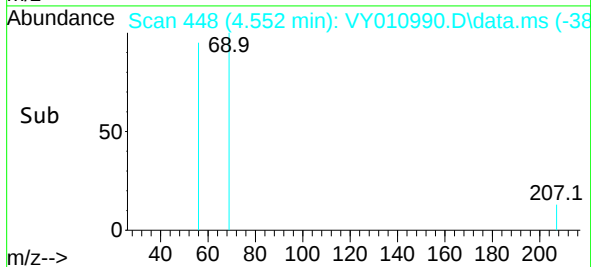
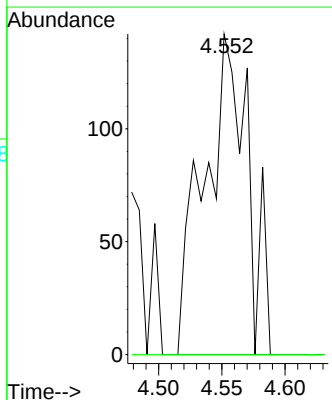
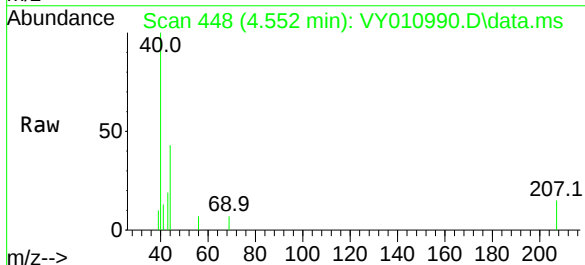
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ClientSampleId :
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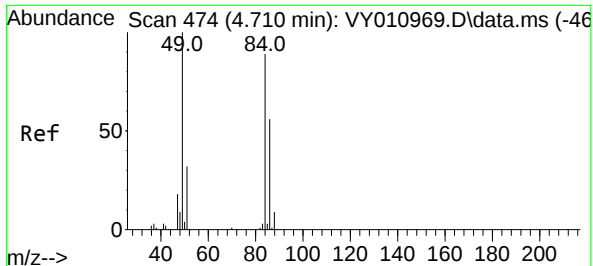
Tgt Ion: 43 Resp: 25596
Ion Ratio Lower Upper
43 100
58 37.5 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.552 min Scan# 448
Delta R.T. 0.079 min
Lab File: VY010990.D
Acq: 18 Oct 2022 12:59

Tgt Ion: 43 Resp: 340
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

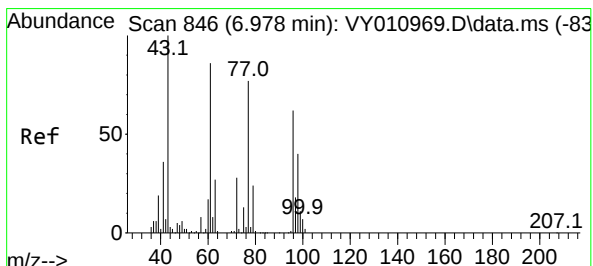
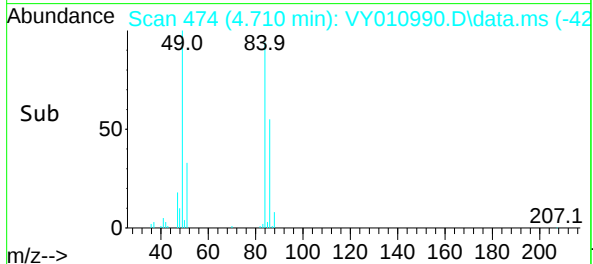
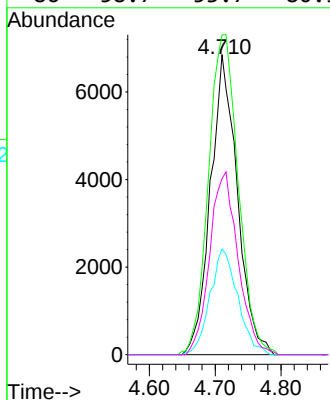
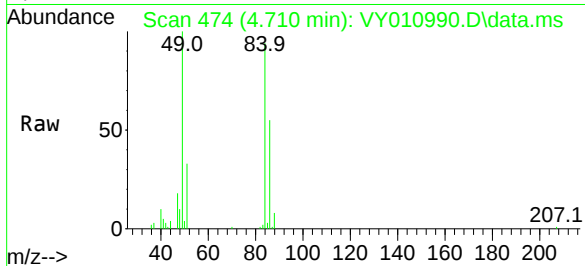




#20
Methylene Chloride
Concen: 1.417 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010990.D
Acq: 18 Oct 2022 12:59

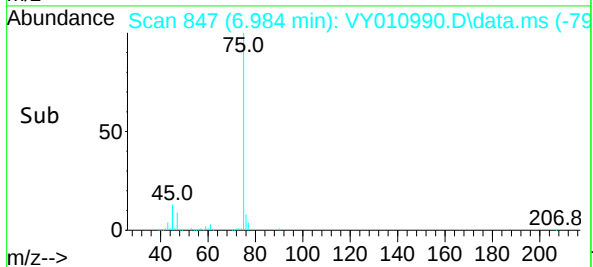
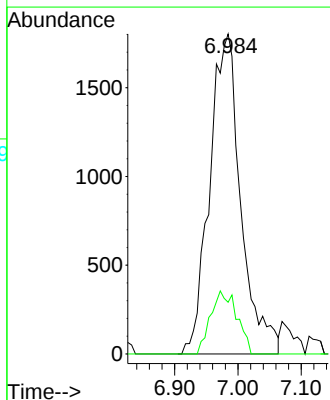
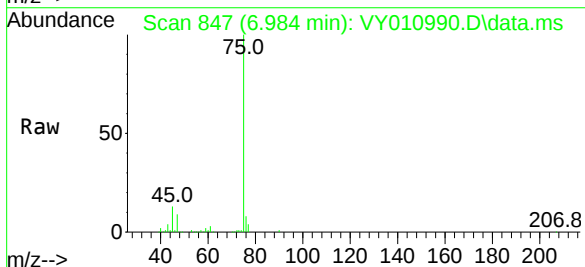
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-DUP-20221011

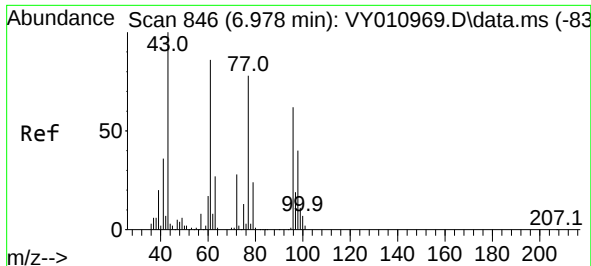
Tgt Ion: 84 Resp: 19491
Ion Ratio Lower Upper
84 100
49 106.6 114.4 171.6#
51 35.2 35.3 52.9#
86 58.7 53.7 80.5



#25
2-Butanone
Concen: 6.888 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY010990.D
Acq: 18 Oct 2022 12:59

Tgt Ion: 43 Resp: 6183
Ion Ratio Lower Upper
43 100
72 16.1 17.7 26.5#

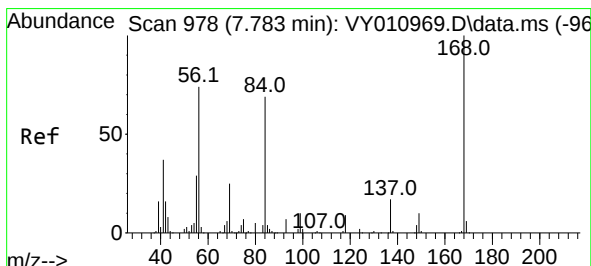
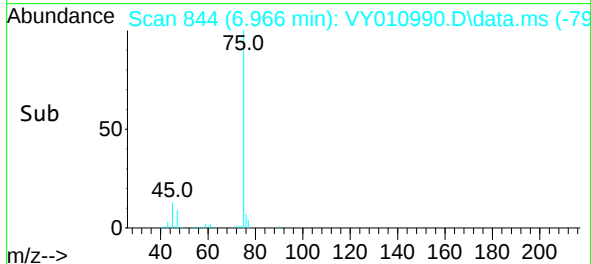
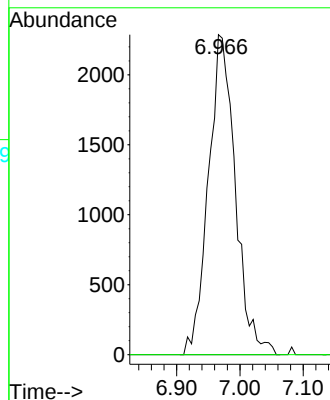
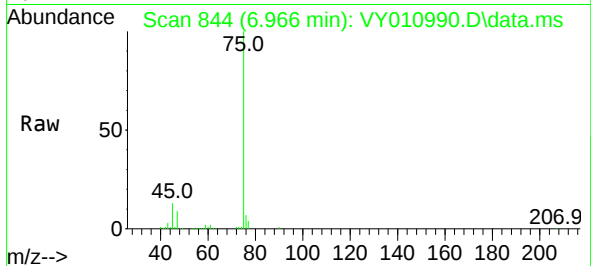




#26
2,2-Dichloropropane
Concen: 1.769 ug/l
RT: 6.966 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY010990.D
Acq: 18 Oct 2022 12:59

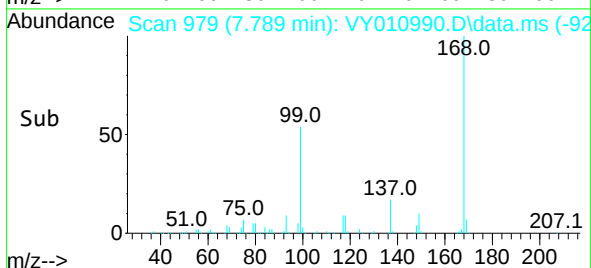
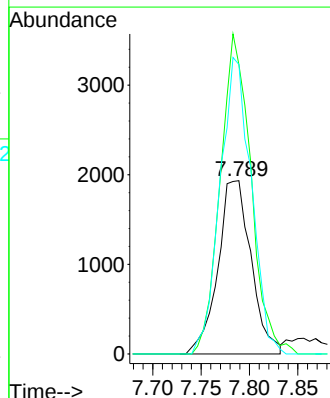
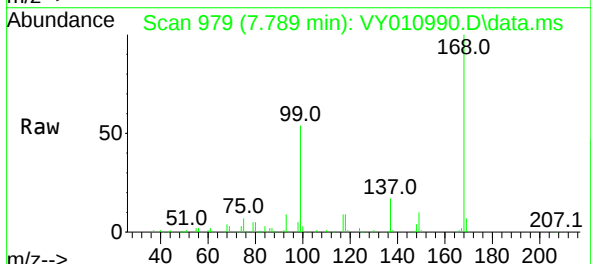
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-DUP-20221011

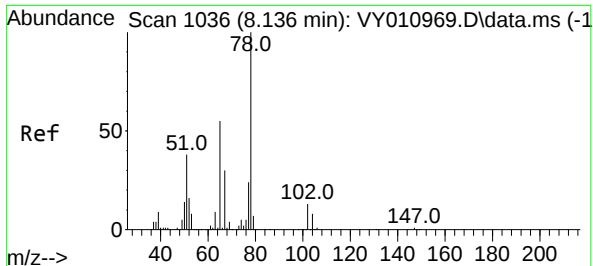
Tgt Ion: 77 Resp: 6760
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY010990.D
Acq: 18 Oct 2022 12:59

Tgt Ion: 56 Resp: 4627
Ion Ratio Lower Upper
56 100
69 167.0 26.7 40.1#
84 167.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 52.496 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY010990.D

Acq: 18 Oct 2022 12:59

Instrument :

MSVOA_Y

ClientSampleId :

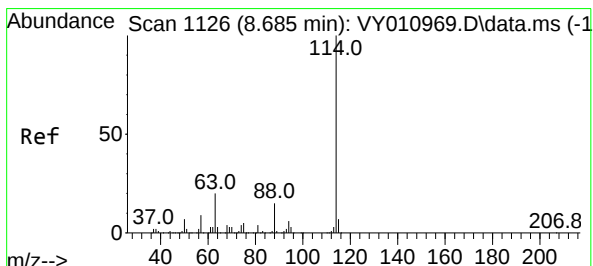
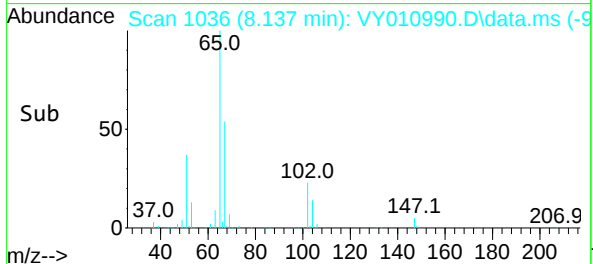
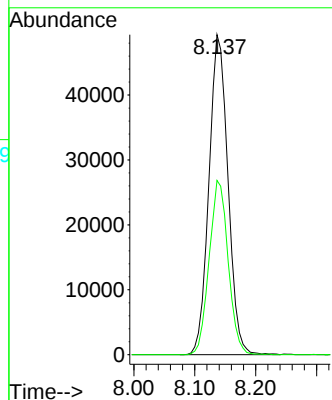
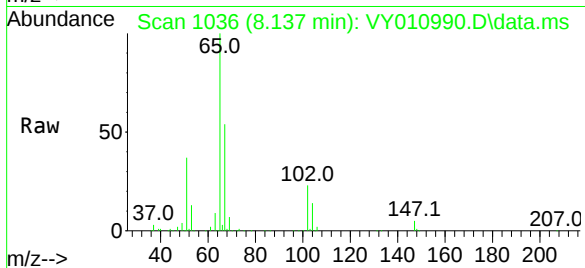
BP-VPB-RW5-DUP-20221011

Tgt Ion: 65 Resp: 107006

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: VY010990.D

Acq: 18 Oct 2022 12:59

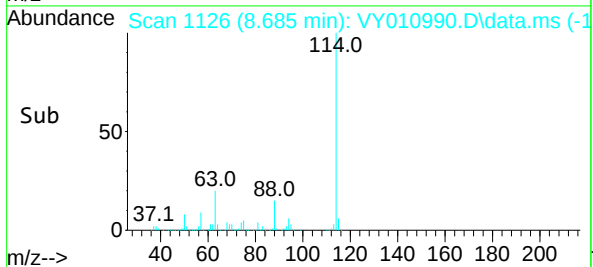
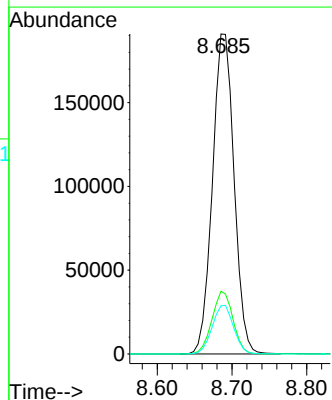
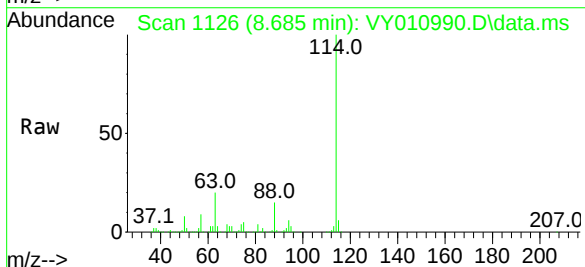
Tgt Ion: 114 Resp: 383360

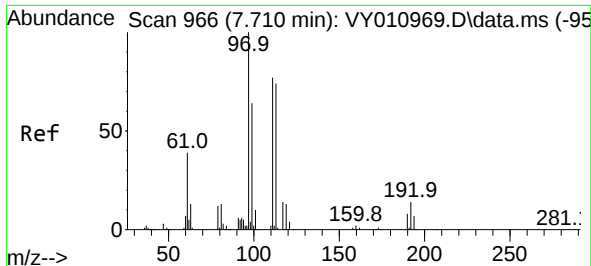
Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.1 0.0 31.8

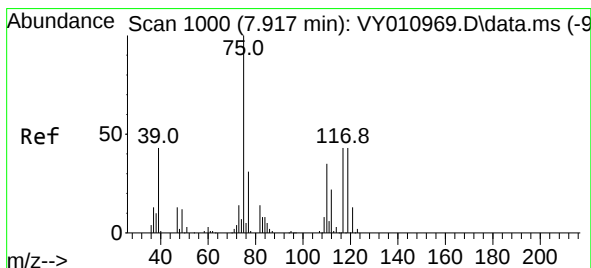
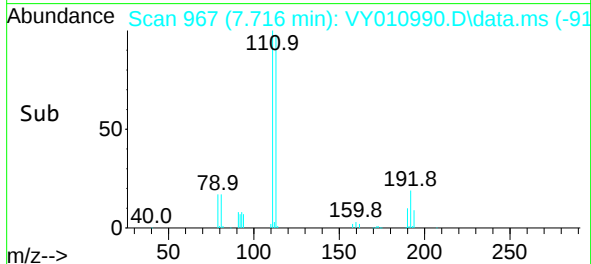
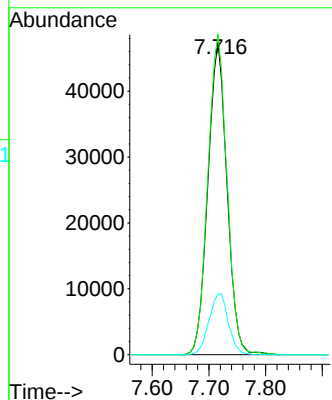
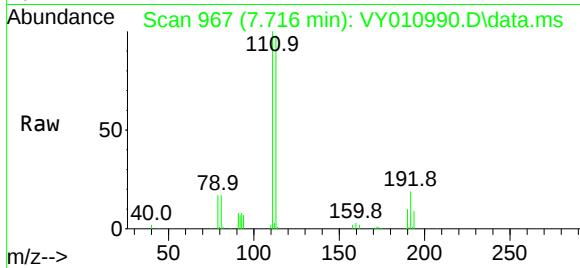




#35
Dibromofluoromethane
Concen: 51.841 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY010990.D
Acq: 18 Oct 2022 12:59

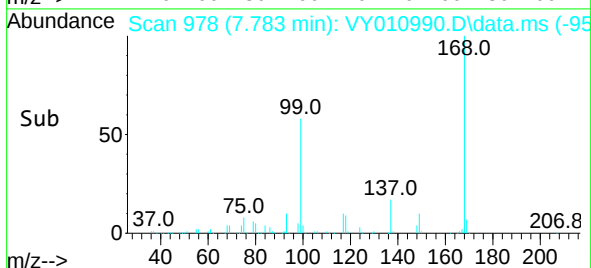
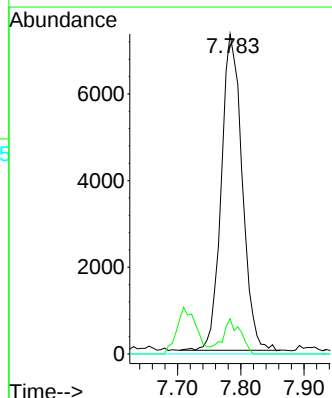
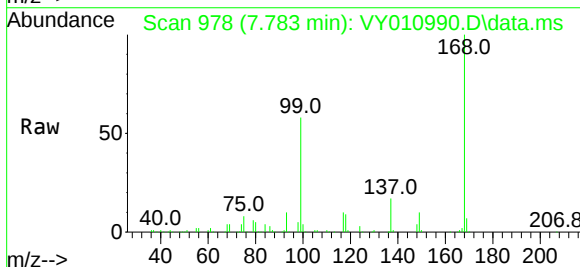
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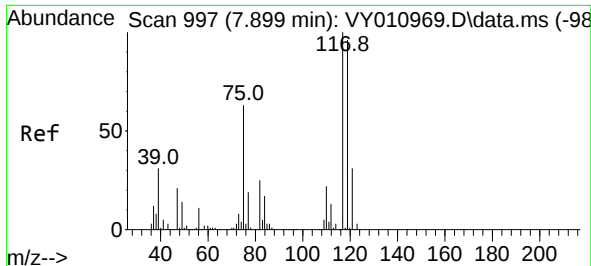
Tgt Ion:113 Resp: 110613
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 19.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.669 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY010990.D
Acq: 18 Oct 2022 12:59

Tgt Ion: 75 Resp: 16663
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.0 24.4 36.6#

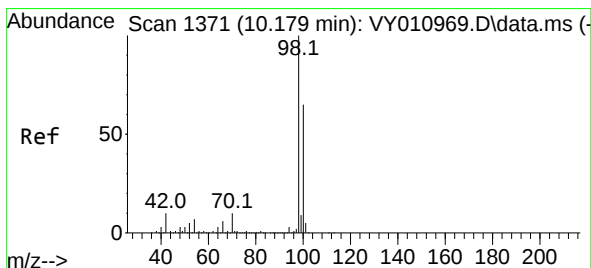
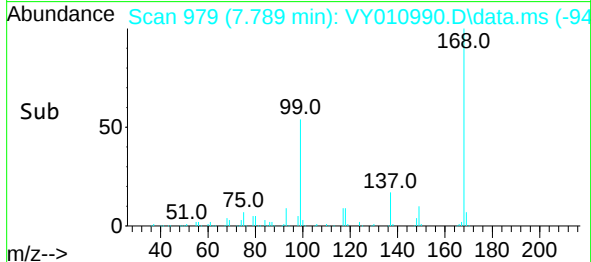
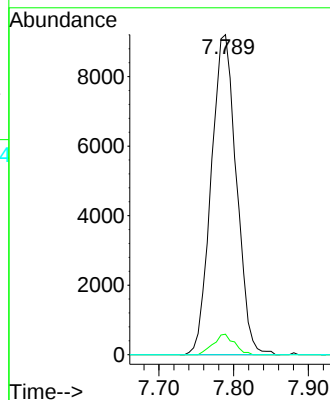
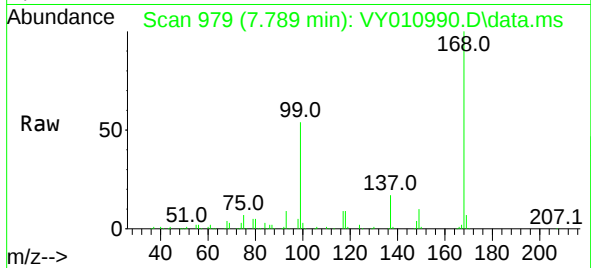




#38
Carbon Tetrachloride
Concen: 5.860 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010990.D
Acq: 18 Oct 2022 12:59

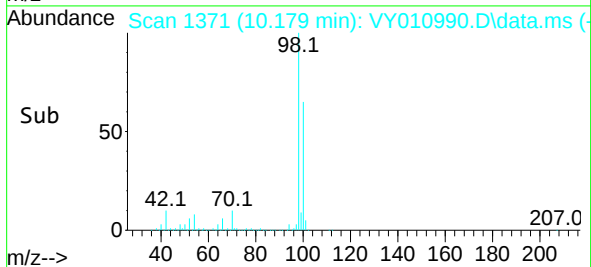
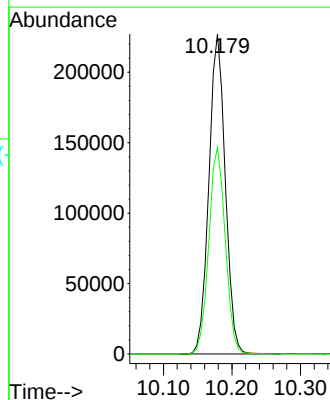
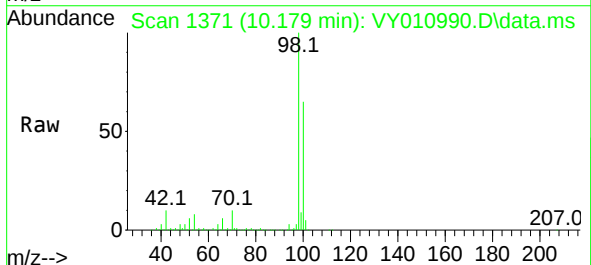
Instrument :
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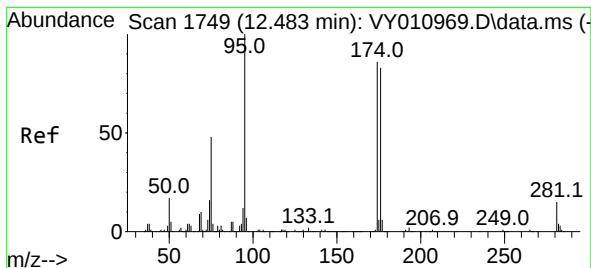
Tgt Ion:117 Resp: 21588
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.158 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010990.D
Acq: 18 Oct 2022 12:59

Tgt Ion: 98 Resp: 377478
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2

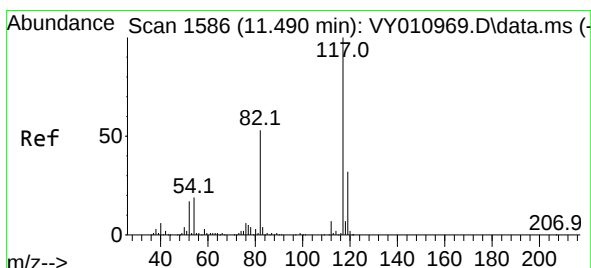
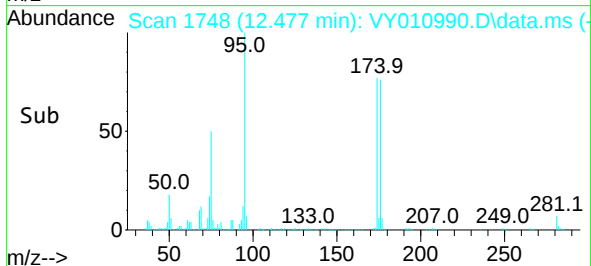
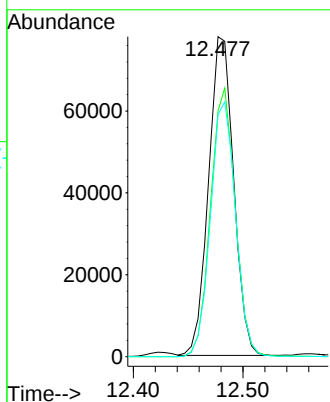
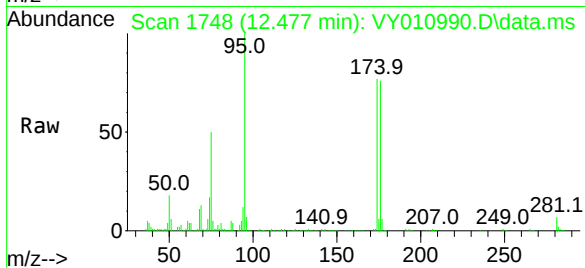




#62
4-Bromofluorobenzene
Concen: 43.242 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010990.D
Acq: 18 Oct 2022 12:59

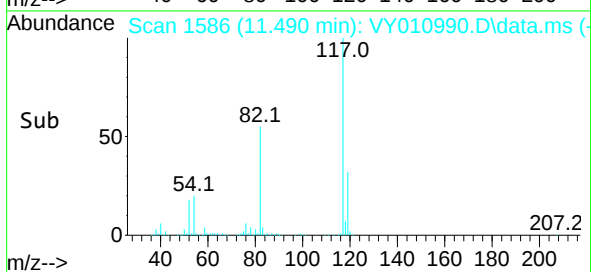
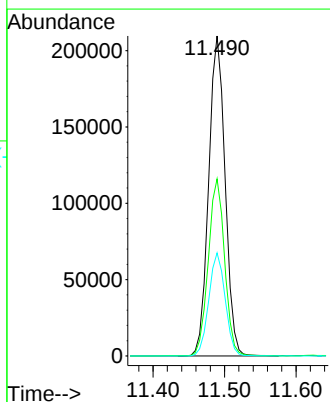
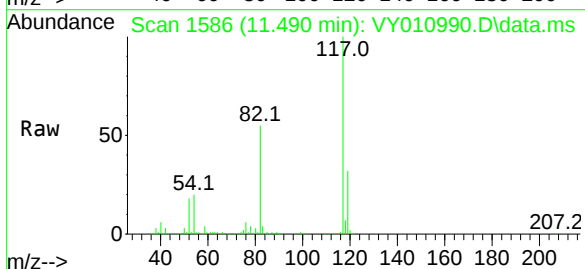
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-DUP-20221011

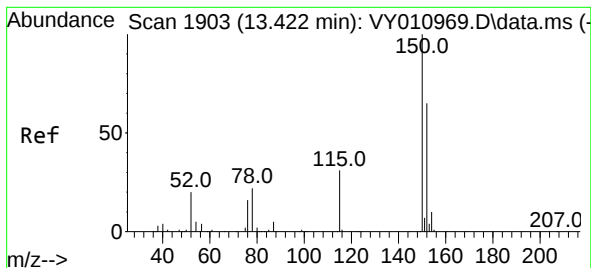
Tgt Ion: 95 Resp: 123787
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 80.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010990.D
Acq: 18 Oct 2022 12:59

Tgt Ion: 117 Resp: 334541
Ion Ratio Lower Upper
117 100
82 55.3 43.0 64.4
119 32.2 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: VY010990.D

Acq: 18 Oct 2022 12:59

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW5-DUP-20221011

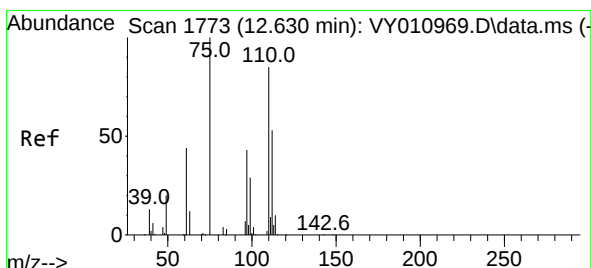
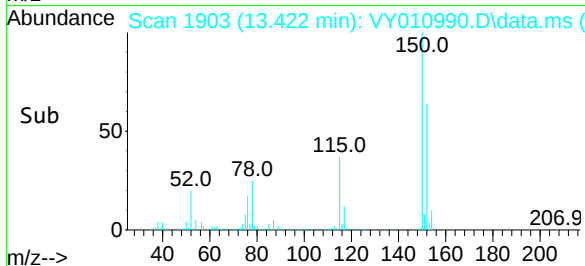
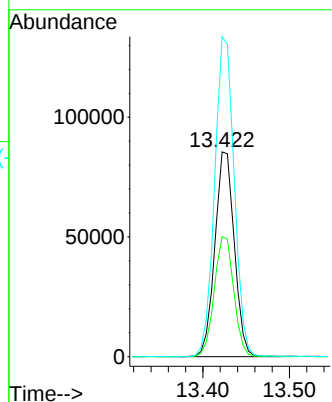
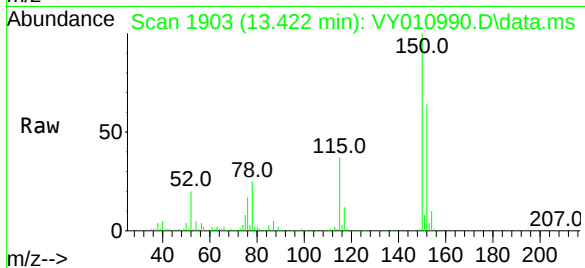
Tgt Ion:152 Resp: 133660

Ion Ratio Lower Upper

152 100

115 58.8 28.2 84.7

150 157.1 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 40.844 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY010990.D

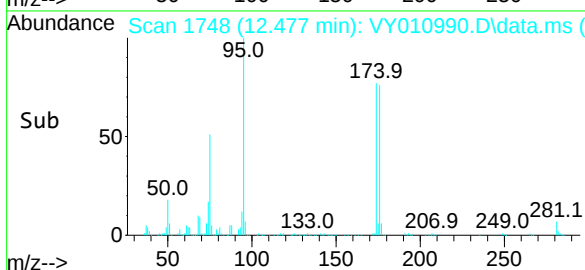
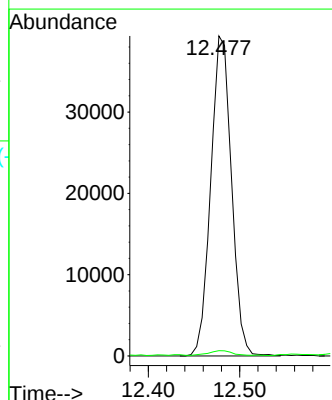
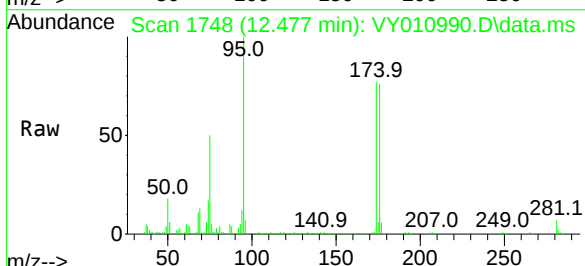
Acq: 18 Oct 2022 12:59

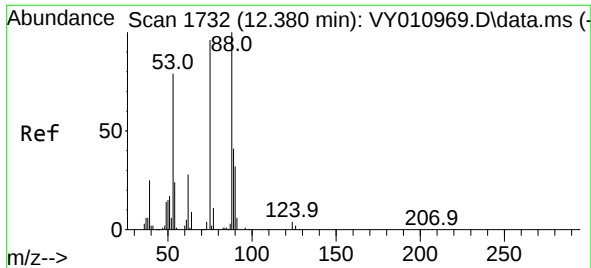
Tgt Ion: 75 Resp: 61979

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.843 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY010990.D
 Acq: 18 Oct 2022 12:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW5-DUP-20221011

Tgt Ion: 75 Resp: 61979
 Ion Ratio Lower Upper
 75 100
 53 0.3 85.3 127.9#
 89 0.0 37.0 55.4#

