

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021623\
 Data File : VY012633.D
 Acq On : 16 Feb 2023 13:15
 Operator : KP/MD
 Sample : 01559-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW10-GW-798-800

Quant Time: Feb 16 21:58:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

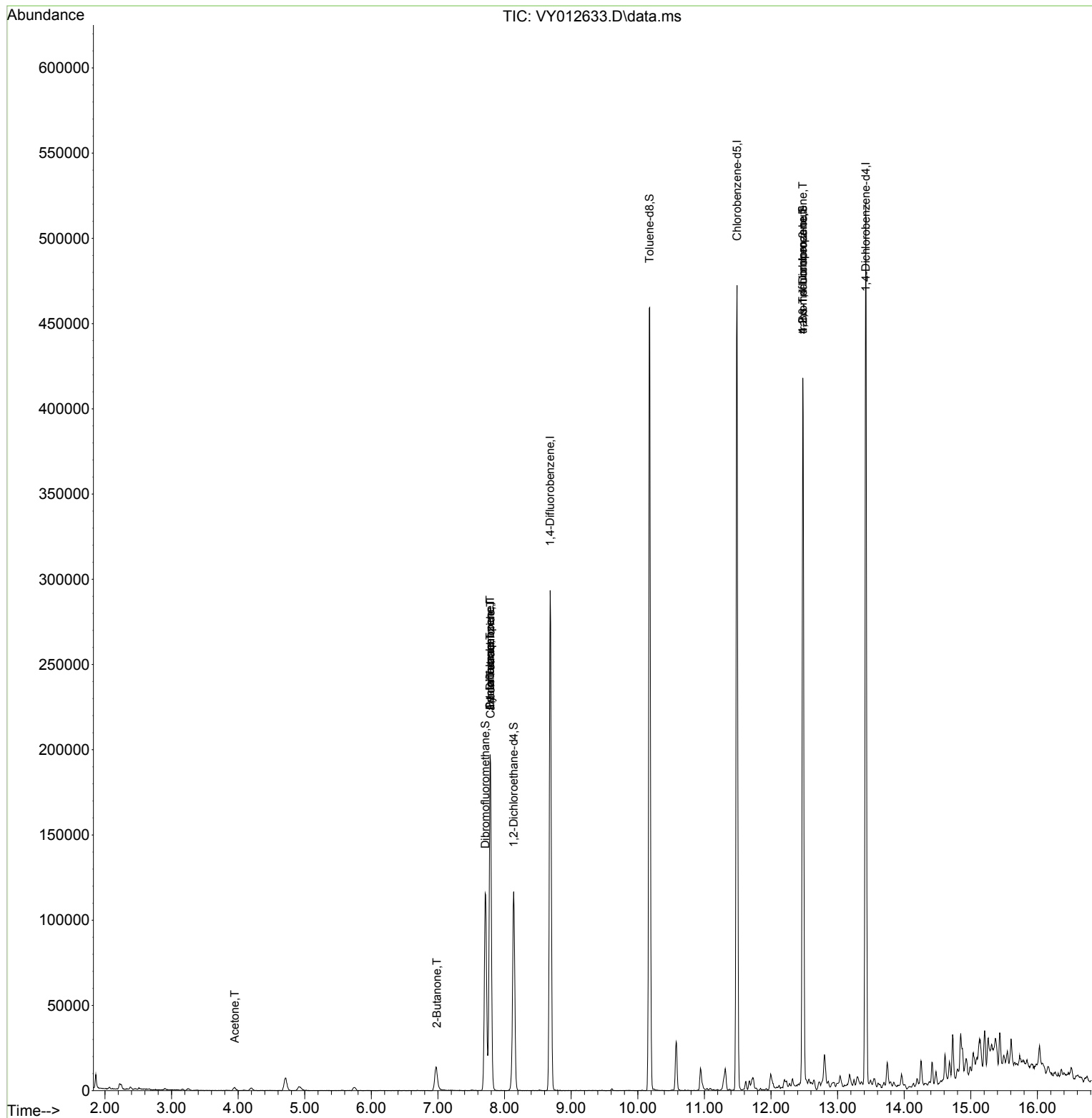
Internal Standards						
1) Pentafluorobenzene	7.783	168	158412	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	264553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	271132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	97092	48.199	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.400%		
35) Dibromofluoromethane	7.710	113	79396	41.210	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.420%		
50) Toluene-d8	10.179	98	315322	39.321	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.640%		
62) 4-Bromofluorobenzene	12.477	95	115264	41.208	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	82.420%		
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	62	Below Cal	#	41
5) Bromomethane	2.650	94	39	Below Cal	#	3
11) Tert butyl alcohol	4.918	59	1291	Below Cal	#	75
16) Acetone	3.948	43	2987	6.161	ug/l #	88
20) Methylene Chloride	4.716	84	6319	Below Cal		98
25) 2-Butanone	6.984	43	1061	1.972	ug/l	94
31) Cyclohexane	7.783	56	2594	1.114	ug/l #	39
36) 1,1-Dichloropropene	7.783	75	10483	4.020	ug/l #	49
38) Carbon Tetrachloride	7.789	117	15227	4.350	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	62060	40.347	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62060	90.985	ug/l #	12

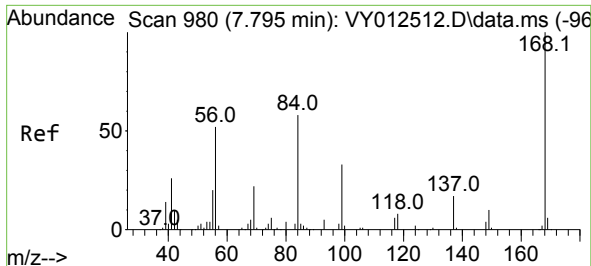
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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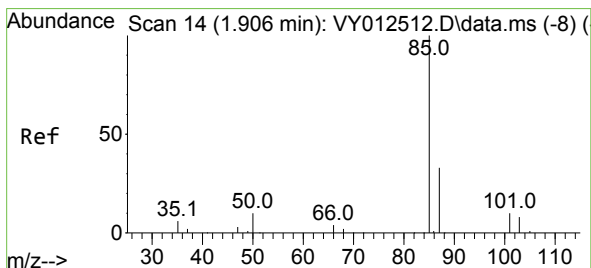
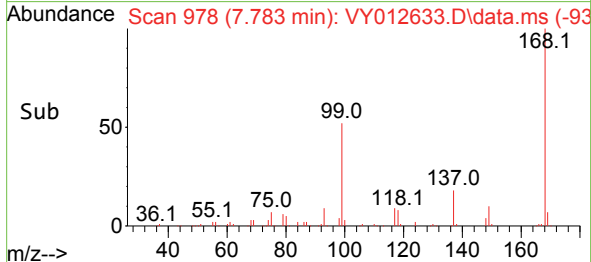
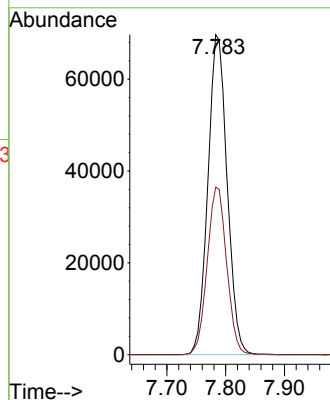
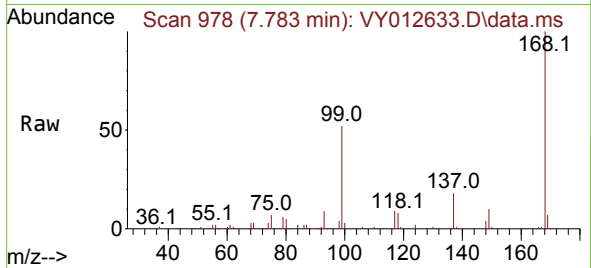




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY012633.D
Acq: 16 Feb 2023 13:15

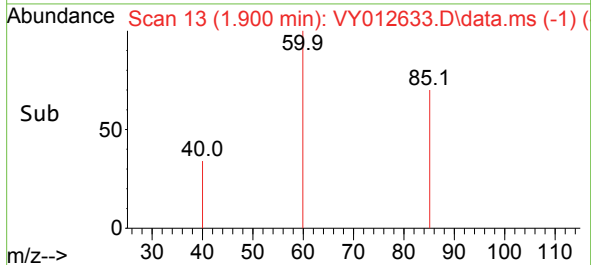
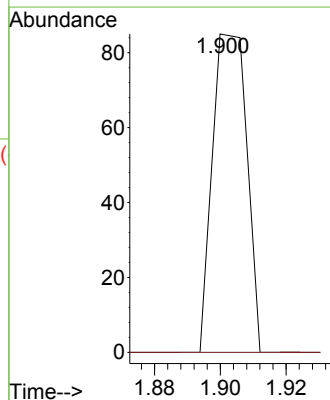
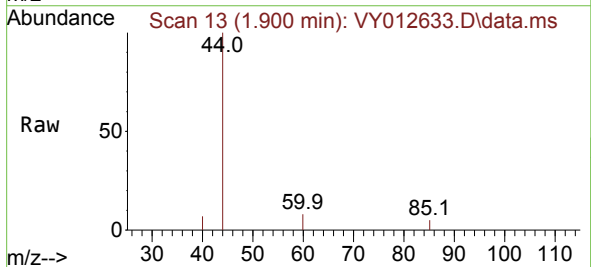
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW10-GW-798-800

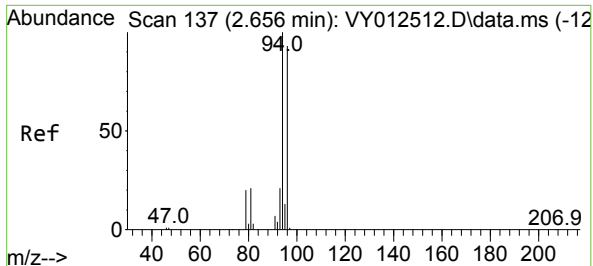
Tgt Ion:168 Resp: 158412
Ion Ratio Lower Upper
168 100
99 52.4 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012633.D
Acq: 16 Feb 2023 13:15

Tgt Ion: 85 Resp: 62
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#

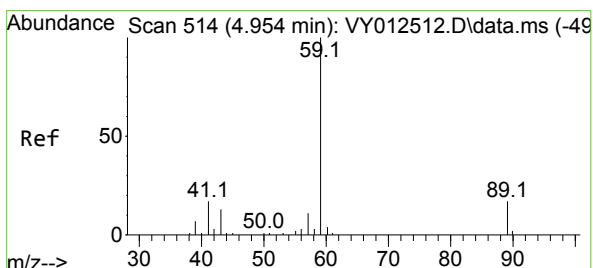
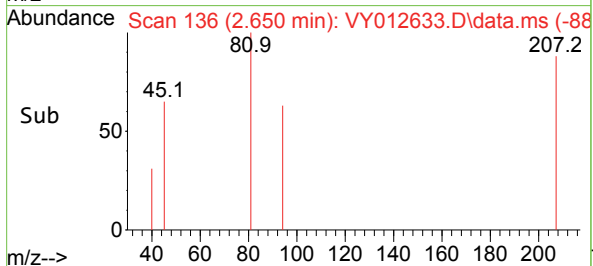
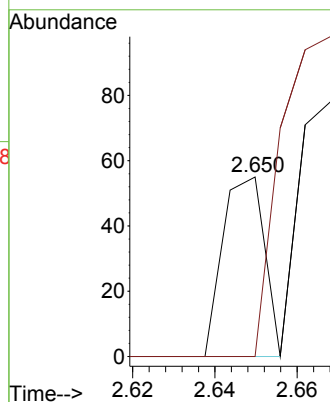
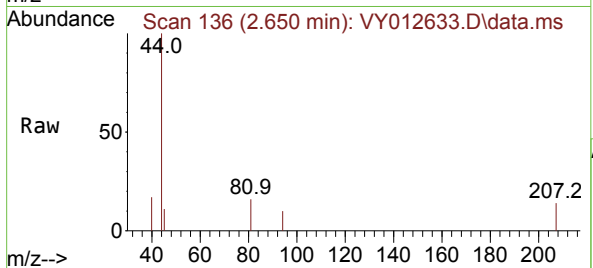




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012633.D
Acq: 16 Feb 2023 13:15

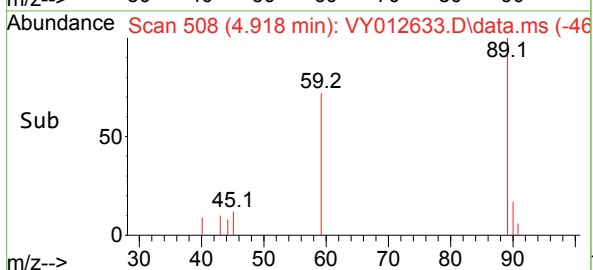
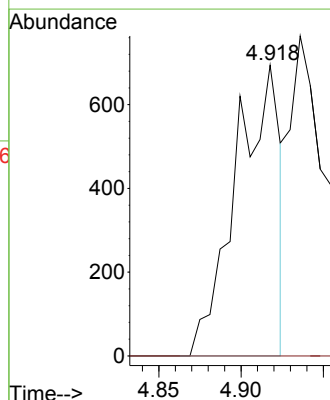
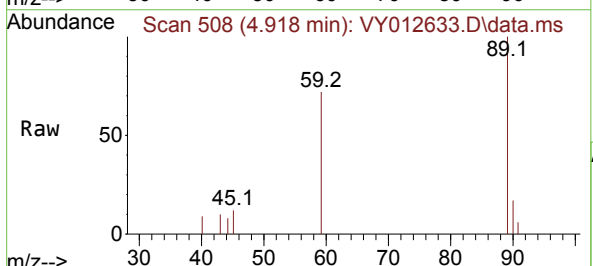
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW10-GW-798-800

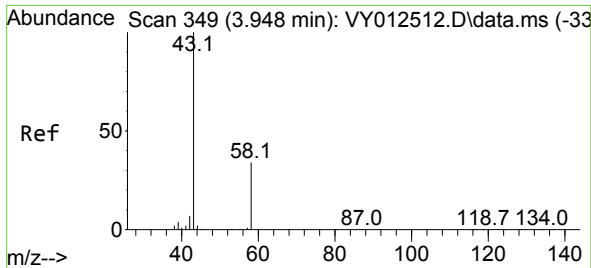
Tgt Ion: 94 Resp: 39
Ion Ratio Lower Upper
94 100
96 0.0 74.7 112.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY012633.D
Acq: 16 Feb 2023 13:15

Tgt Ion: 59 Resp: 1291
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 6.161 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012633.D

Acq: 16 Feb 2023 13:15

Instrument :

MSVOA_Y

ClientSampleId :

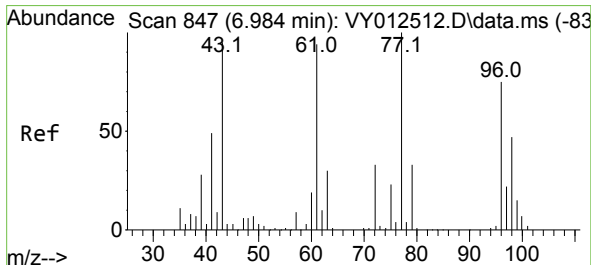
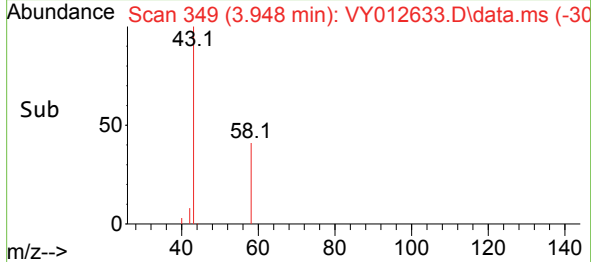
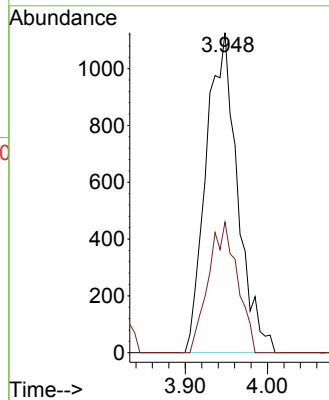
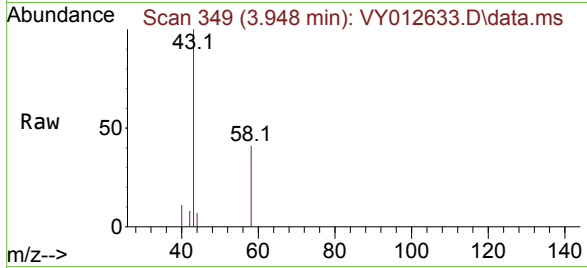
BP-VPB-RW10-GW-798-800

Tgt Ion: 43 Resp: 2987

Ion Ratio Lower Upper

43 100

58 40.8 27.1 40.7#



#25

2-Butanone

Concen: 1.972 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012633.D

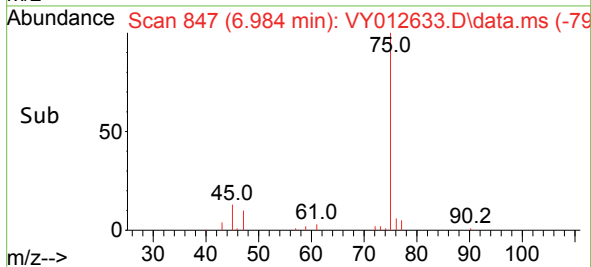
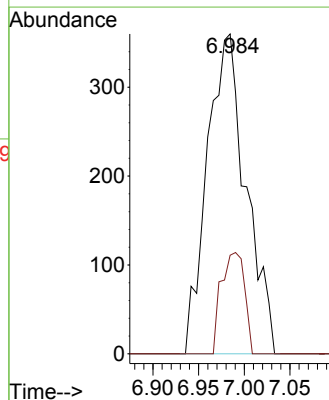
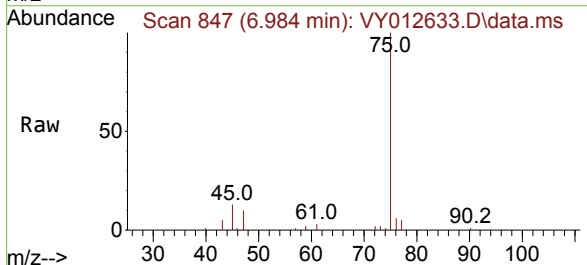
Acq: 16 Feb 2023 13:15

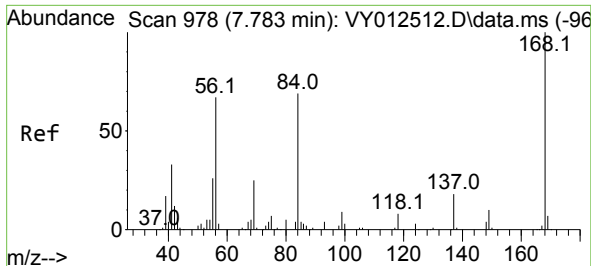
Tgt Ion: 43 Resp: 1061

Ion Ratio Lower Upper

43 100

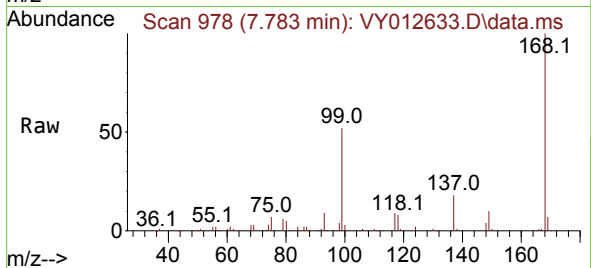
72 30.8 27.4 41.2



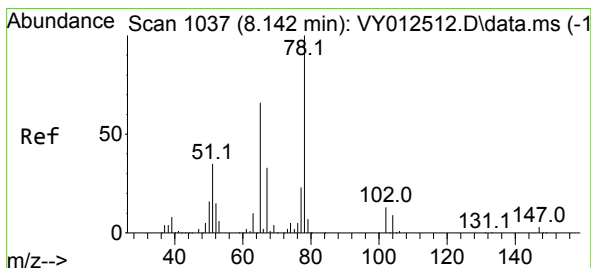
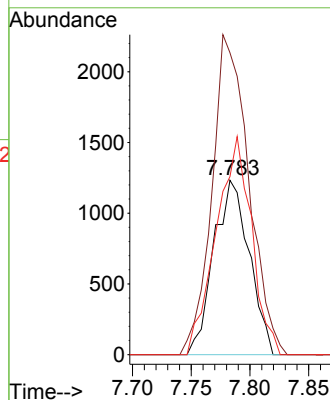
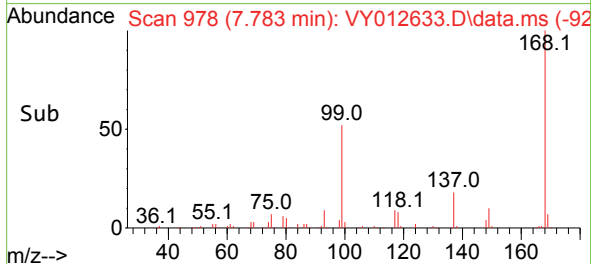


#31
Cyclohexane
Concen: 1.114 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012633.D
Acq: 16 Feb 2023 13:15

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW10-GW-798-800

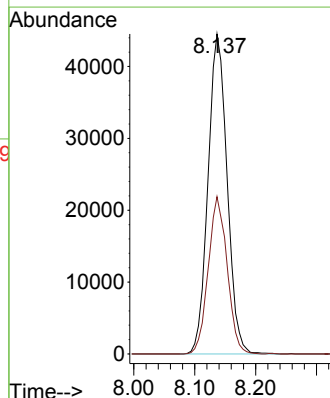
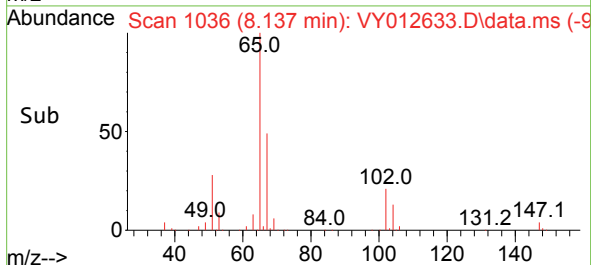
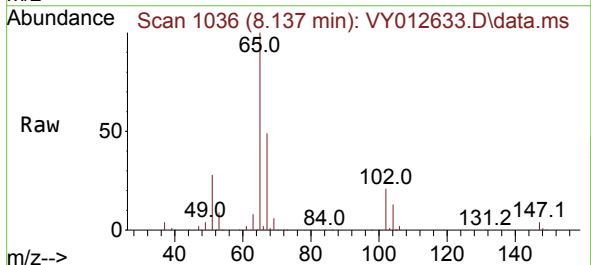


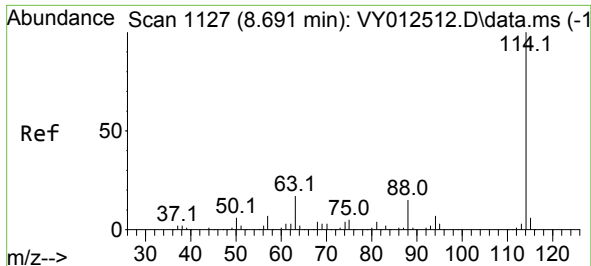
Tgt Ion: 56 Resp: 2594
Ion Ratio Lower Upper
56 100
69 173.1 29.5 44.3#
84 102.1 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 48.199 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012633.D
Acq: 16 Feb 2023 13:15

Tgt Ion: 65 Resp: 97092
Ion Ratio Lower Upper
65 100
67 48.6 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012633.D

Acq: 16 Feb 2023 13:15

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW10-GW-798-800

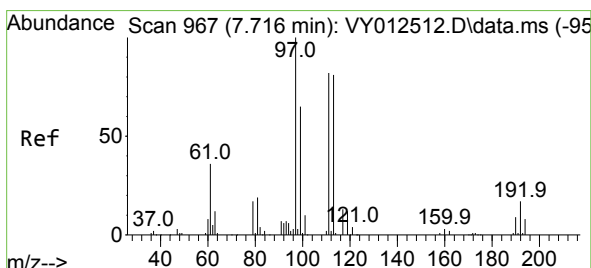
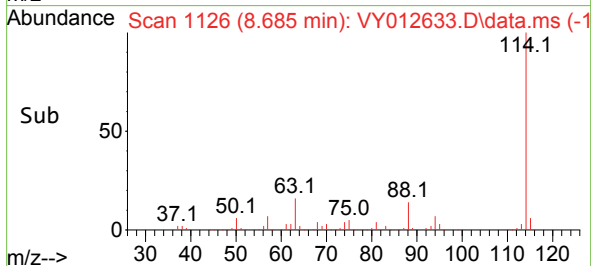
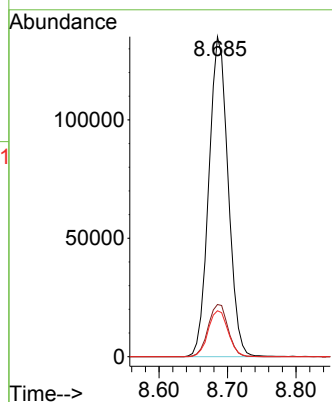
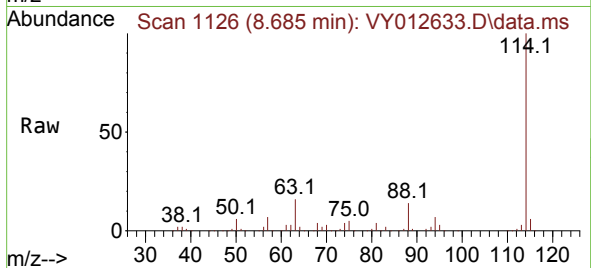
Tgt Ion:114 Resp: 264553

Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.6

88 14.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 41.210 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY012633.D

Acq: 16 Feb 2023 13:15

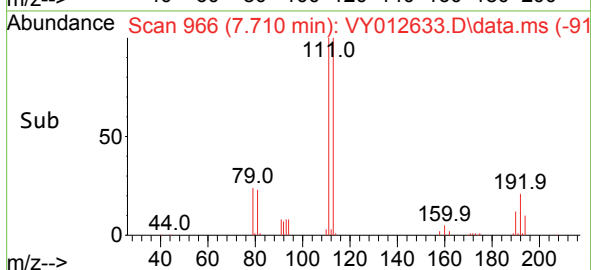
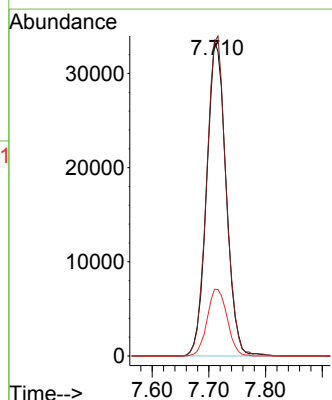
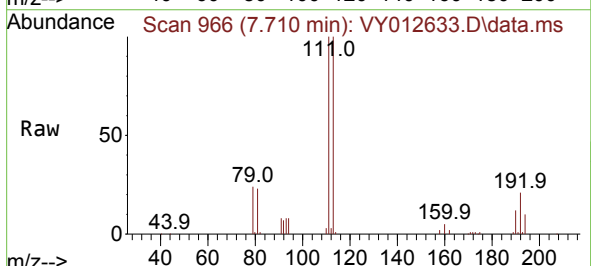
Tgt Ion:113 Resp: 79396

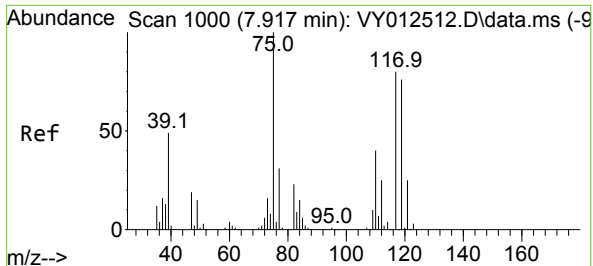
Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 21.9 17.5 26.3





#36

1,1-Dichloropropene

Concen: 4.020 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012633.D

Acq: 16 Feb 2023 13:15

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ClientSampleId :

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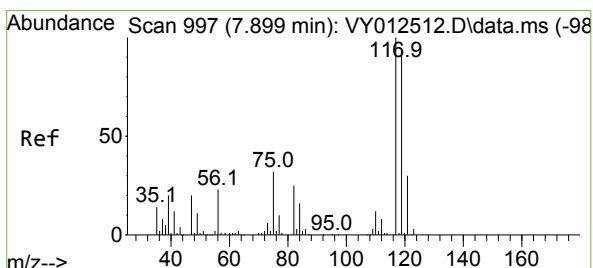
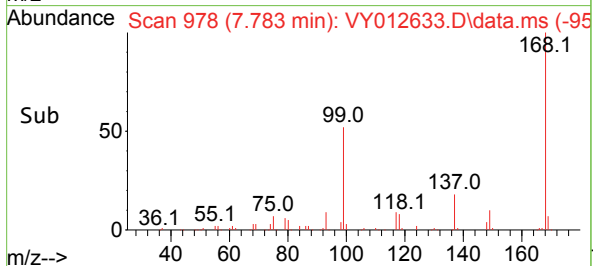
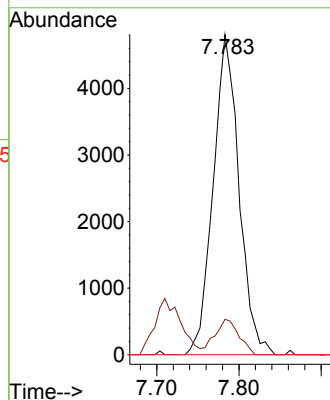
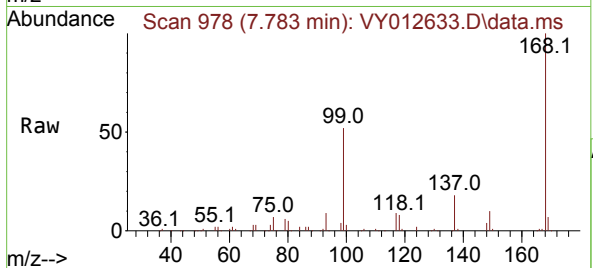
Tgt Ion: 75 Resp: 10483

Ion Ratio Lower Upper

75 100

110 10.4 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.350 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY012633.D

Acq: 16 Feb 2023 13:15

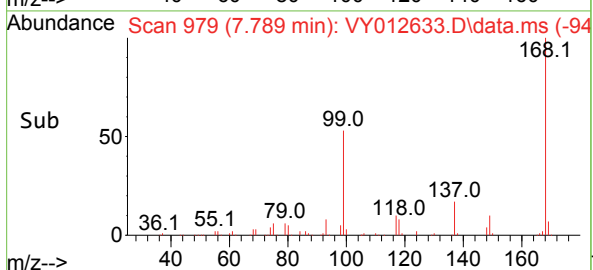
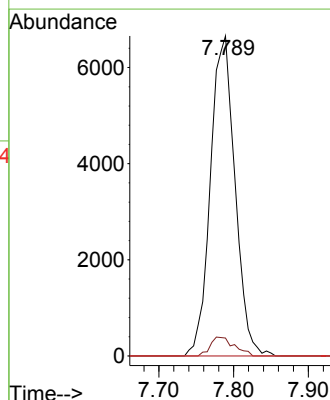
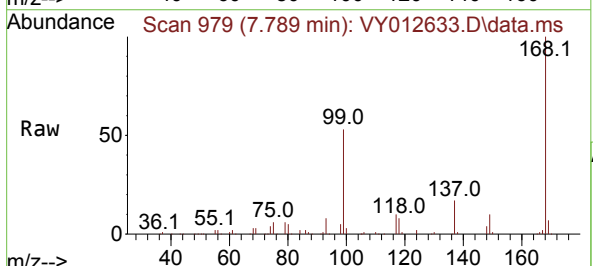
Tgt Ion: 117 Resp: 15227

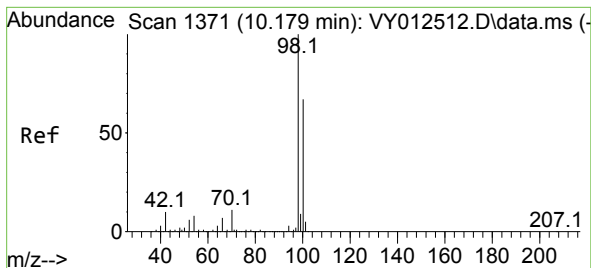
Ion Ratio Lower Upper

117 100

119 5.6 75.1 112.7#

121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 39.321 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012633.D

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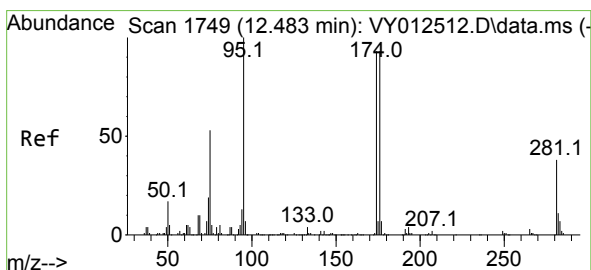
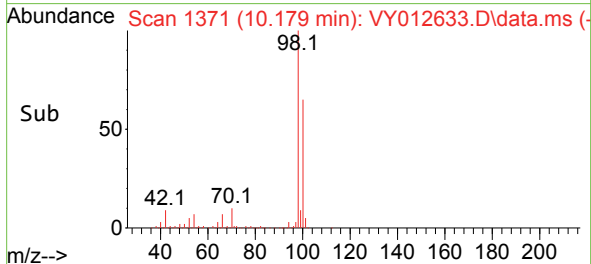
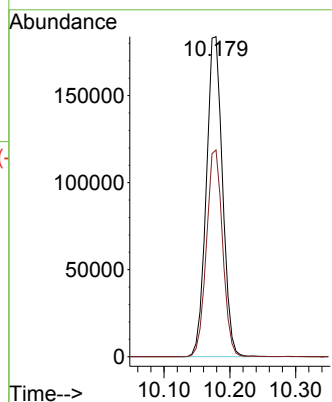
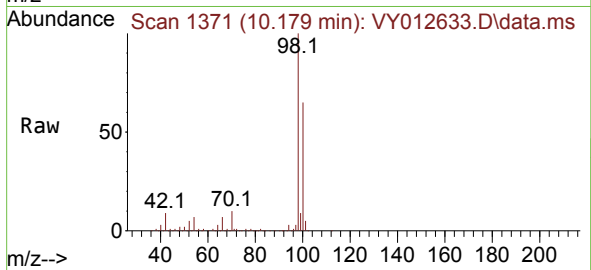
BP-VPB-RW10-GW-798-800

Tgt Ion: 98 Resp: 315322

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 41.208 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY012633.D

Acq: 16 Feb 2023 13:15

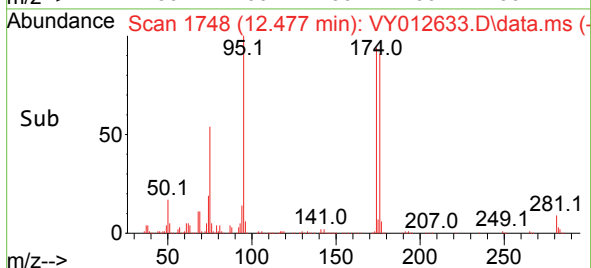
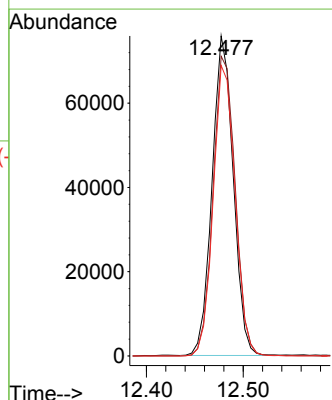
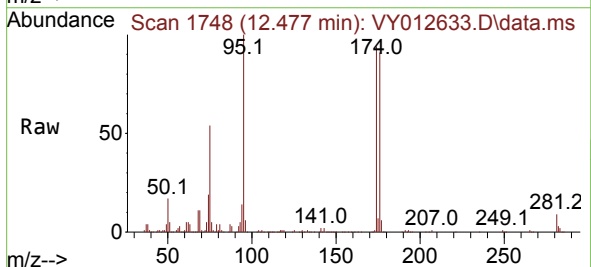
Tgt Ion: 95 Resp: 115264

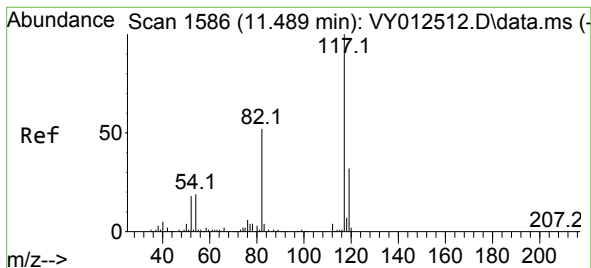
Ion Ratio Lower Upper

95 100

174 98.4 0.0 188.0

176 93.9 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012633.D

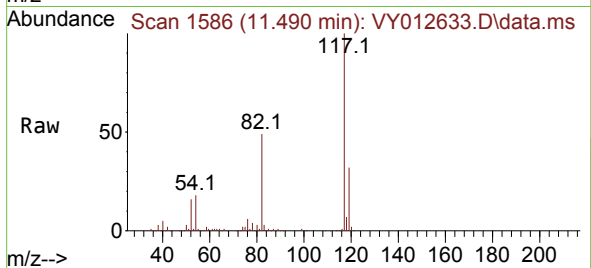
Acq: 16 Feb 2023 13:15

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW10-GW-798-800



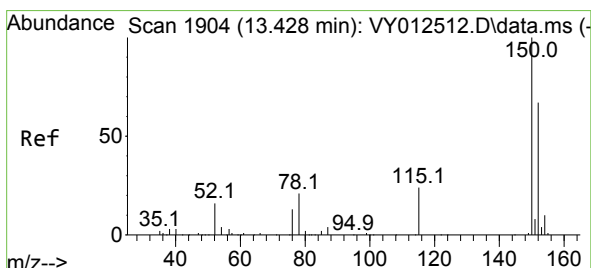
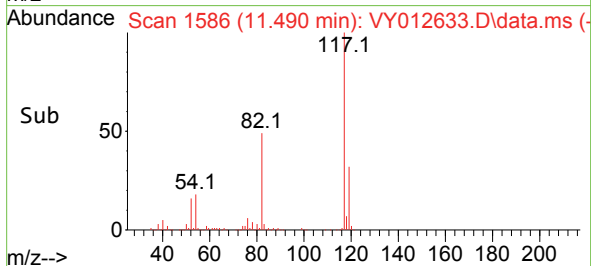
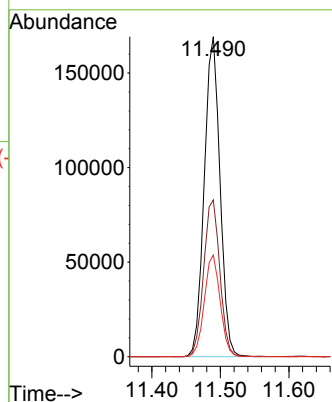
Tgt Ion:117 Resp: 271132

Ion Ratio Lower Upper

117 100

82 49.0 41.7 62.5

119 31.7 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012633.D

Acq: 16 Feb 2023 13:15

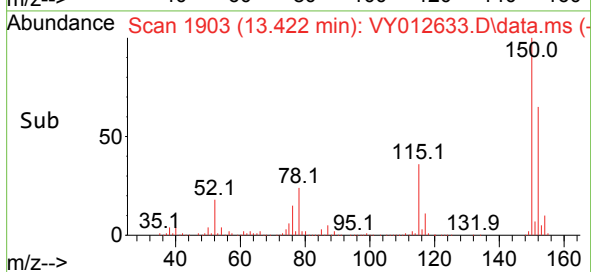
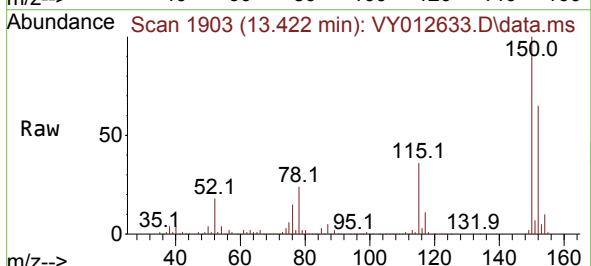
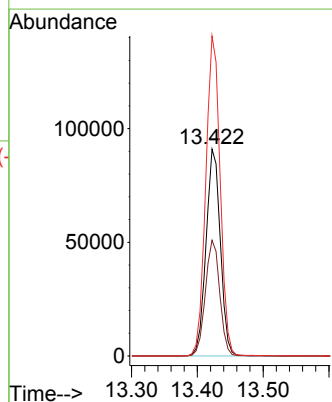
Tgt Ion:152 Resp: 137675

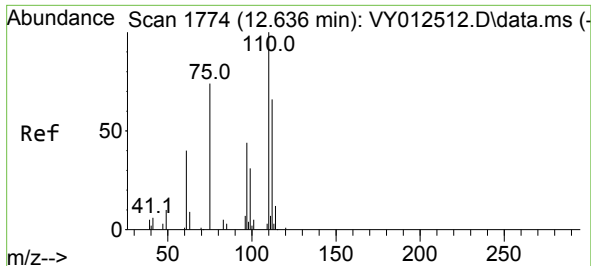
Ion Ratio Lower Upper

152 100

115 56.2 28.1 84.3

150 155.3 0.0 351.0

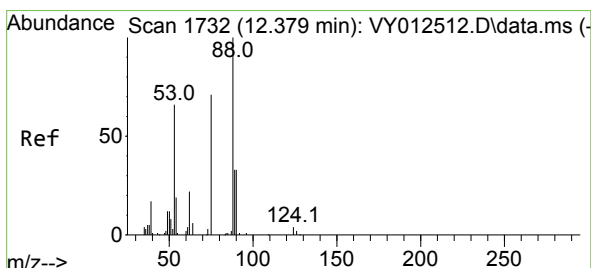
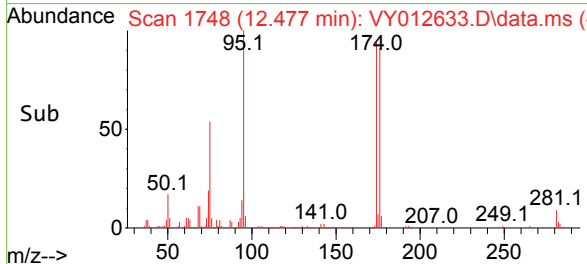
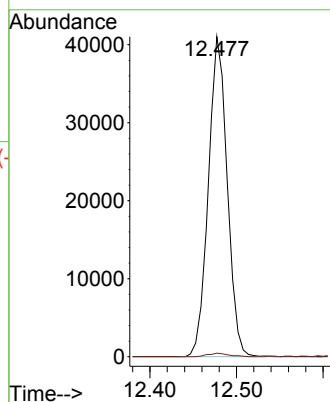
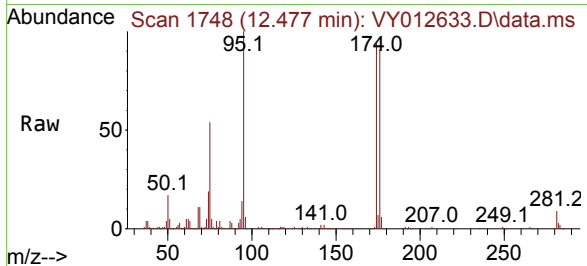




#76
1,2,3-Trichloropropane
Concen: 40.347 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY012633.D
Acq: 16 Feb 2023 13:15

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW10-GW-798-800

Tgt Ion: 75 Resp: 62060
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.985 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012633.D
Acq: 16 Feb 2023 13:15

Tgt Ion: 75 Resp: 62060
Ion Ratio Lower Upper
75 100
53 0.3 73.1 109.7#
89 0.1 39.9 59.9#

