

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061722\
 Data File : VY009223.D
 Acq On : 17 Jun 2022 13:44
 Operator : KP/MD
 Sample : N3351-04
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 40591

Quant Time: Jun 17 22:52:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 16 02:54:06 2022
 Response via : Initial Calibration

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

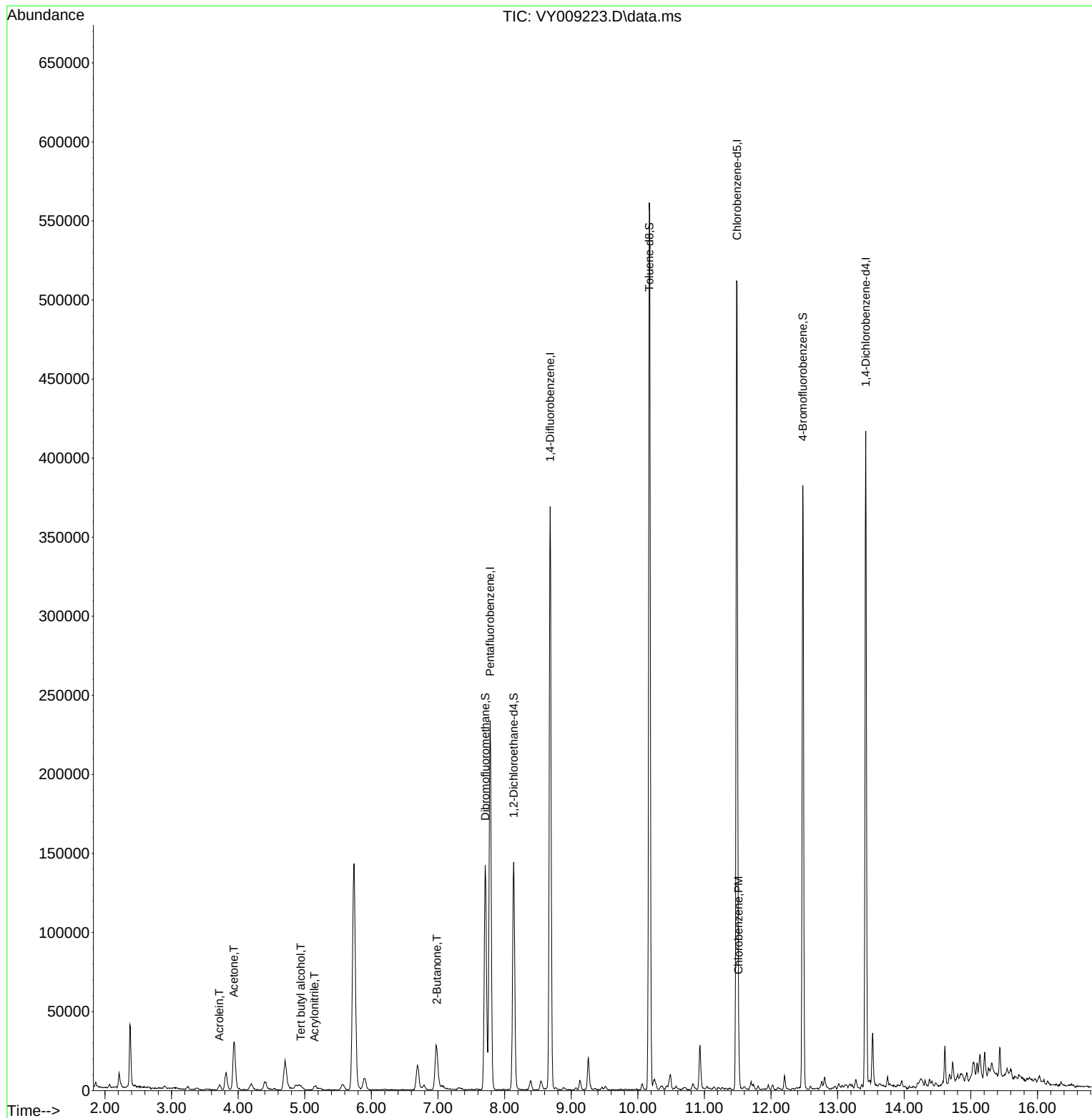
Internal Standards						
1) Pentafluorobenzene	7.783	168	184441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	312713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	280356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	104863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	106893	55.481	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.960%	
35) Dibromofluoromethane	7.710	113	98445	50.212	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.420%	
50) Toluene-d8	10.173	98	371149	49.730	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.460%	
62) 4-Bromofluorobenzene	12.477	95	114181	43.053	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	5244	17.156	ug/l #	86
13) Acrolein	3.717	56	3632	42.934	ug/l	90
15) Acrylonitrile	5.143	53	3835	6.515	ug/l	91
16) Acetone	3.936	43	54088	111.448	ug/l	94
25) 2-Butanone	6.984	43	13716	17.860	ug/l	99
65) Chlorobenzene	11.514	112	12602	2.075	ug/l	99

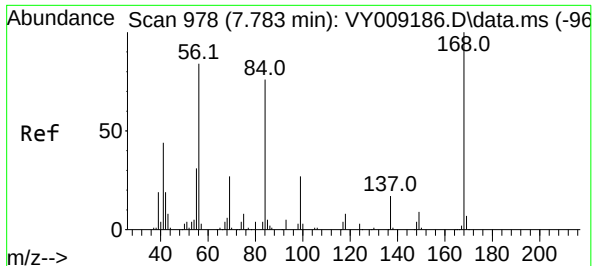
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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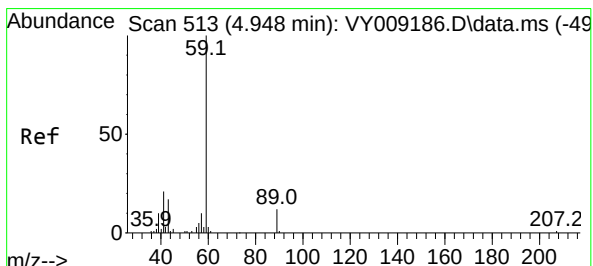
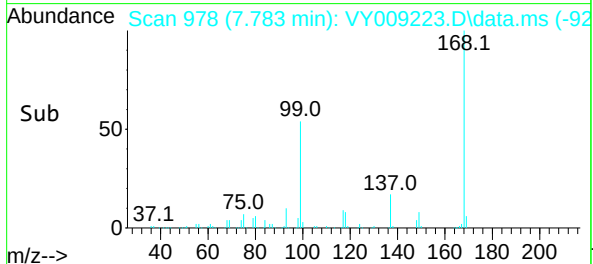
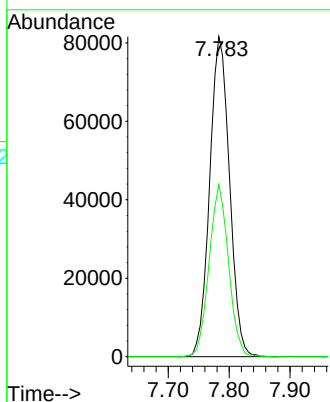
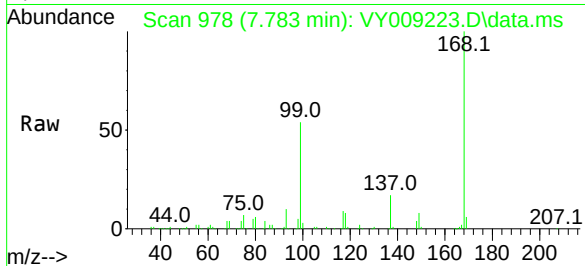




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

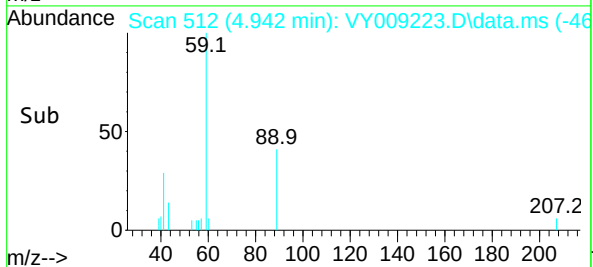
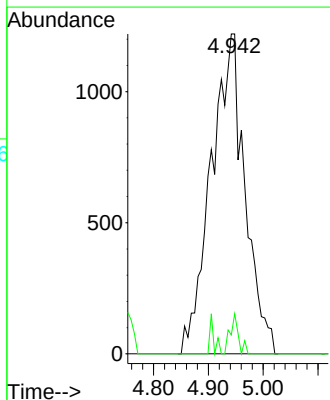
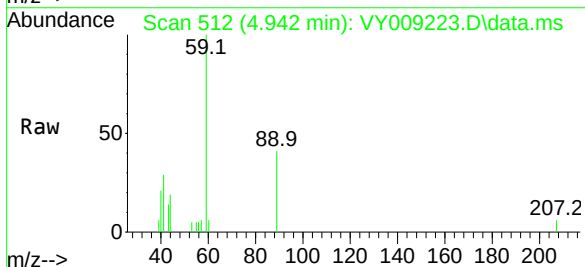
Instrument :
MSVOA_Y
ClientSampleId :
40591

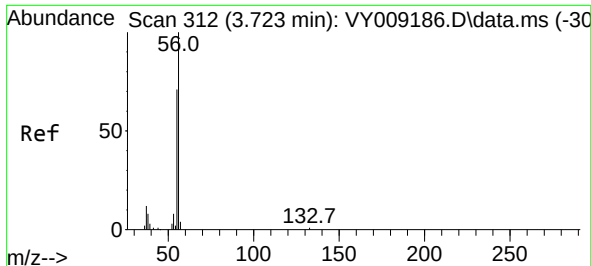
Tgt Ion:168 Resp: 184441
Ion Ratio Lower Upper
168 100
99 53.8 46.9 70.3



#11
Tert butyl alcohol
Concen: 17.156 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

Tgt Ion: 59 Resp: 5244
Ion Ratio Lower Upper
59 100
57 3.1 6.4 9.6#

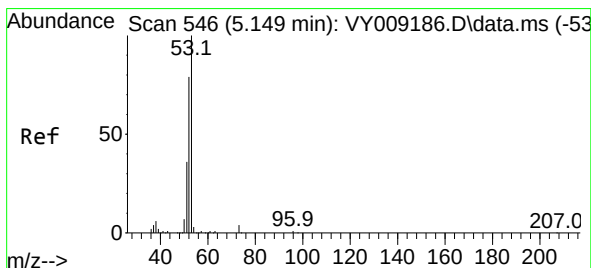
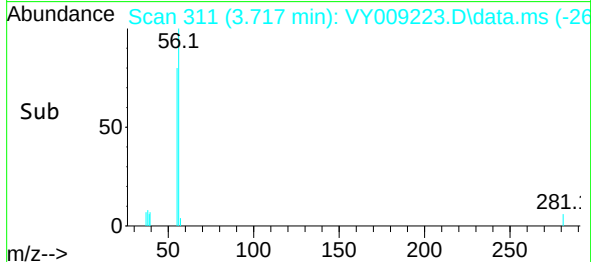
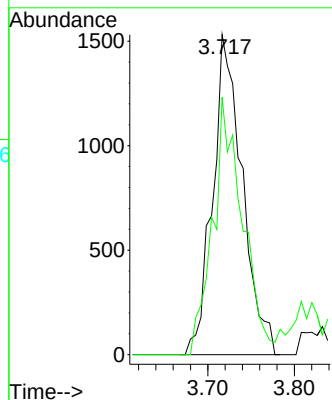
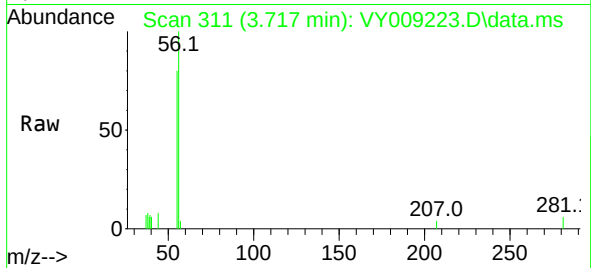




#13
Acrolein
Concen: 42.934 ug/l
RT: 3.717 min Scan# 312
Delta R.T. -0.006 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

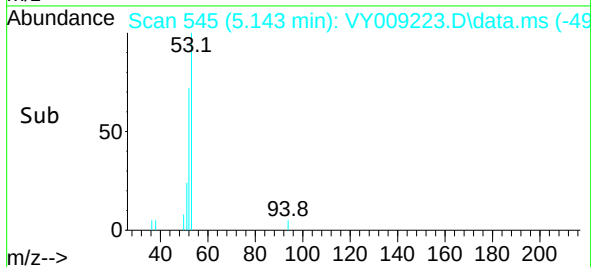
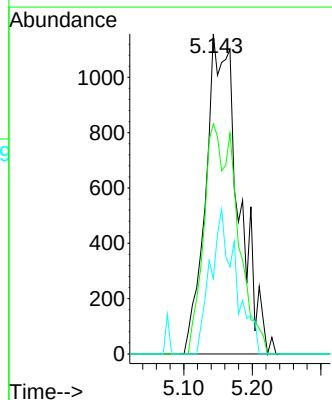
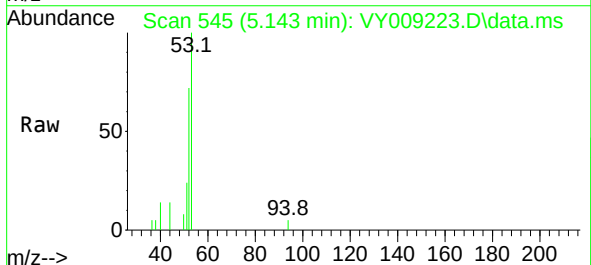
Instrument :
MSVOA_Y
ClientSampleId :
40591

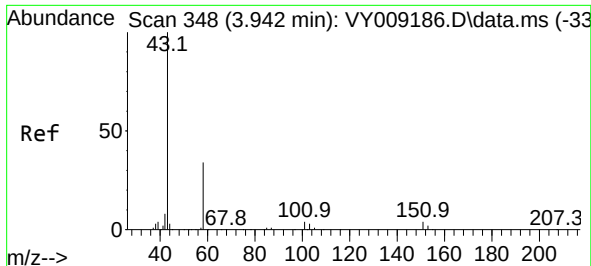
Tgt Ion: 56 Resp: 3632
Ion Ratio Lower Upper
56 100
55 80.6 57.6 86.4



#15
Acrylonitrile
Concen: 6.515 ug/l
RT: 5.143 min Scan# 545
Delta R.T. -0.006 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

Tgt Ion: 53 Resp: 3835
Ion Ratio Lower Upper
53 100
52 72.9 67.0 100.4
51 34.9 29.8 44.6

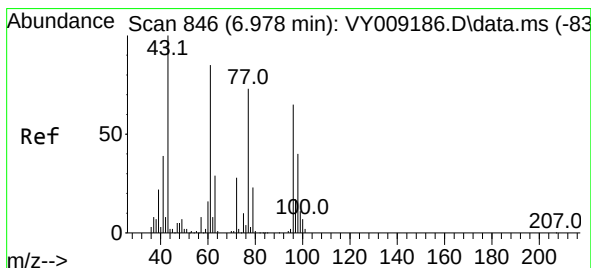
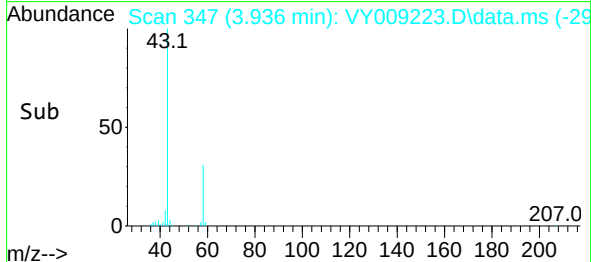
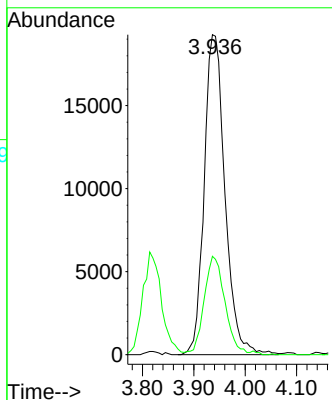
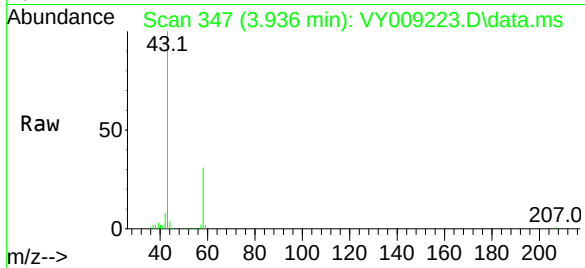




#16
Acetone
Concen: 111.448 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

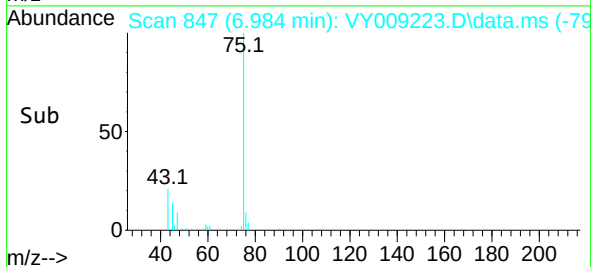
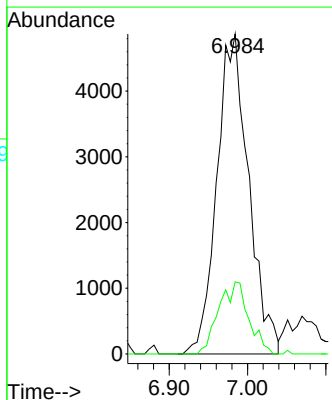
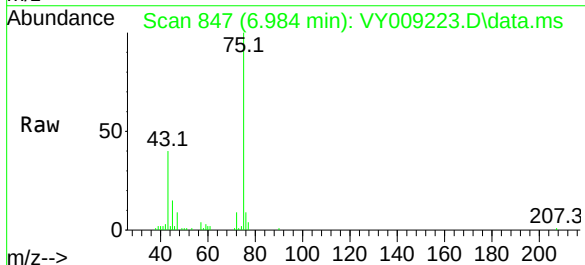
Instrument :
MSVOA_Y
ClientSampleId :
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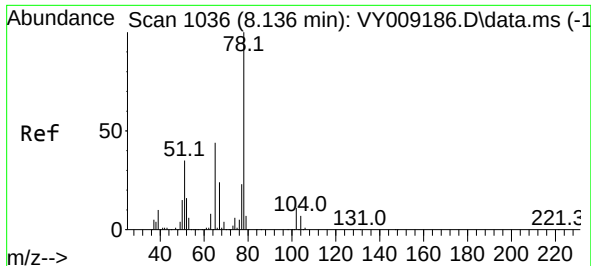
Tgt Ion: 43 Resp: 54088
Ion Ratio Lower Upper
43 100
58 30.7 22.0 33.0



#25
2-Butanone
Concen: 17.860 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

Tgt Ion: 43 Resp: 13716
Ion Ratio Lower Upper
43 100
72 22.5 17.7 26.5





#33

1,2-Dichloroethane-d4

Concen: 55.481 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009223.D

Acq: 17 Jun 2022 13:44

Instrument :

MSVOA_Y

ClientSampleId :

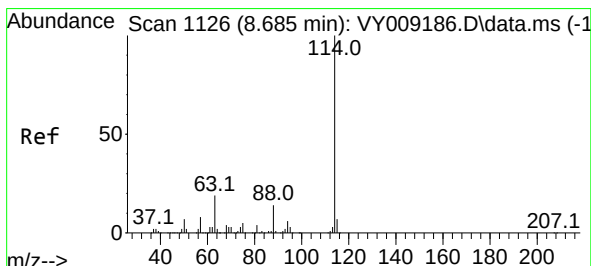
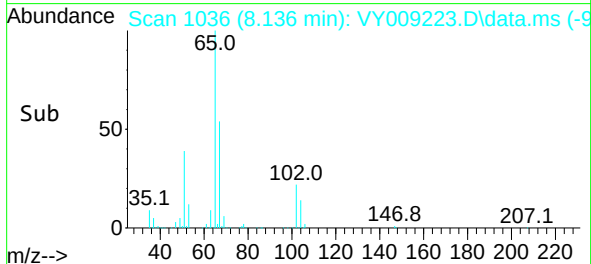
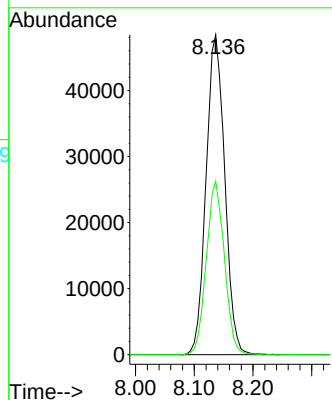
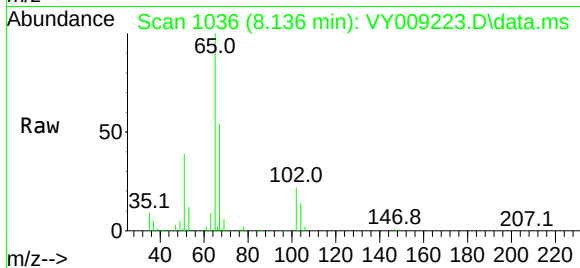
40591

Tgt Ion: 65 Resp: 106893

Ion Ratio Lower Upper

65 100

67 52.6 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: VY009223.D

Acq: 17 Jun 2022 13:44

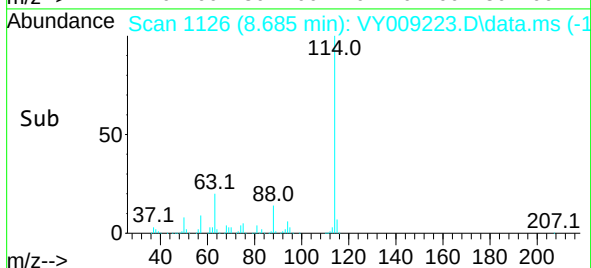
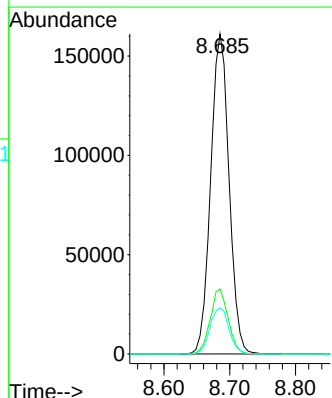
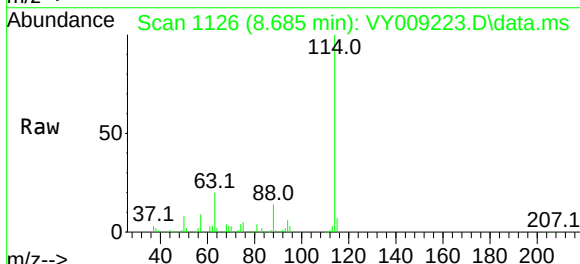
Tgt Ion: 114 Resp: 312713

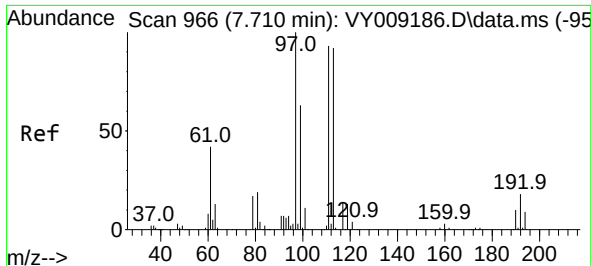
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

88 14.5 0.0 31.8

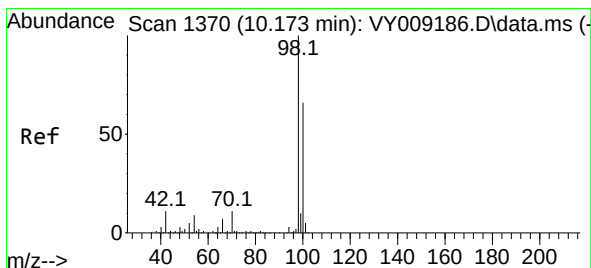
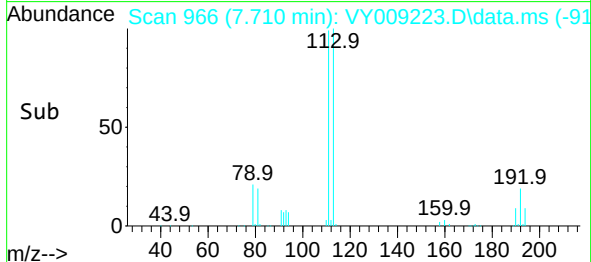
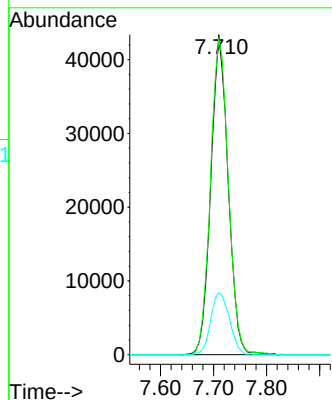
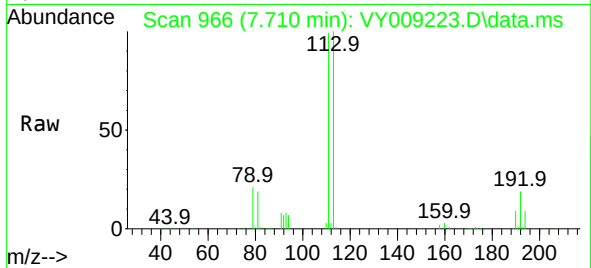




#35
Dibromofluoromethane
Concen: 50.212 ug/l
RT: 7.710 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

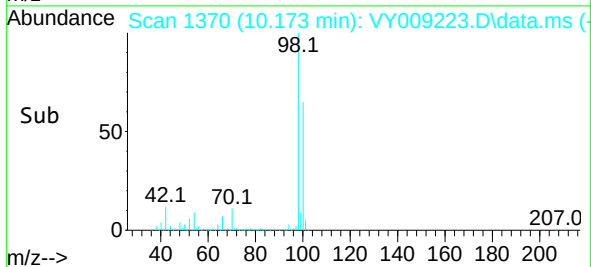
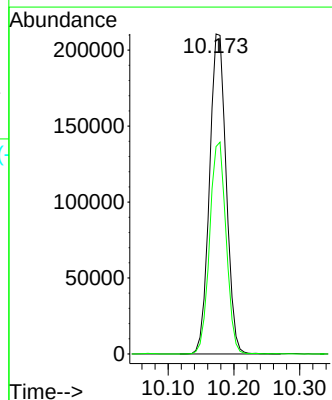
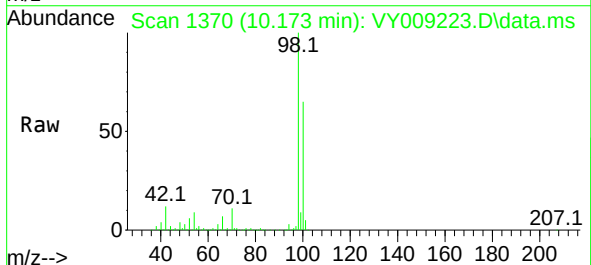
Instrument :
MSVOA_Y
ClientSampleId :
40591

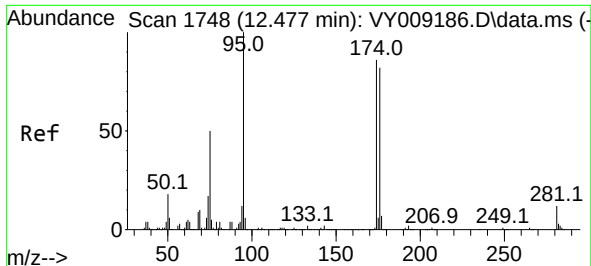
Tgt Ion:113 Resp: 98445
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 21.0 17.6 26.4



#50
Toluene-d8
Concen: 49.730 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

Tgt Ion: 98 Resp: 371149
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 43.053 ug/l

RT: 12.477 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY009223.D

Acq: 17 Jun 2022 13:44

Instrument :

MSVOA_Y

ClientSampleId :

40591

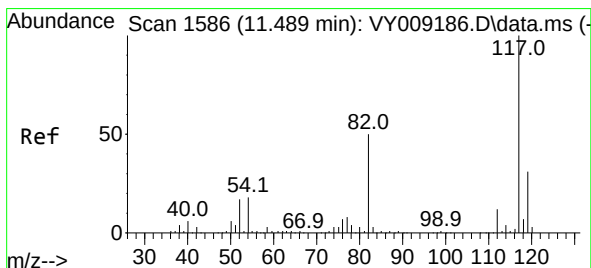
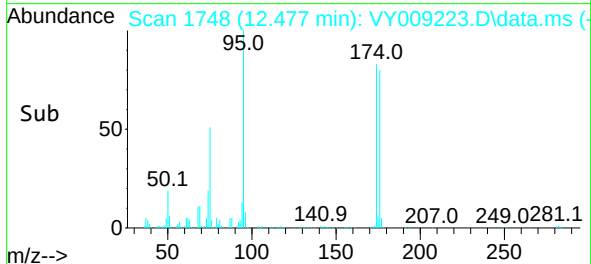
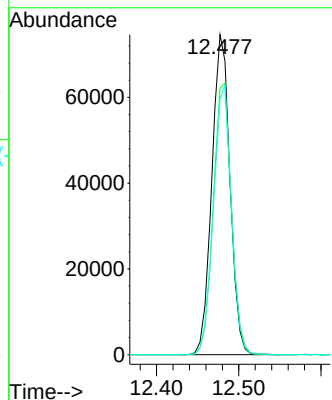
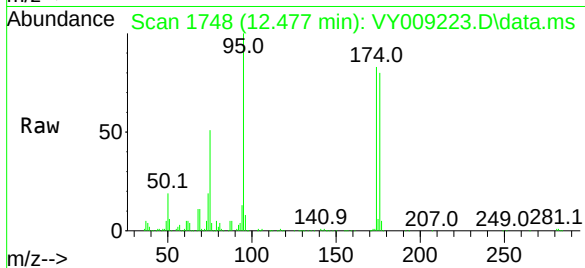
Tgt Ion: 95 Resp: 114181

Ion Ratio Lower Upper

95 100

174 85.2 0.0 177.0

176 83.9 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: VY009223.D

Acq: 17 Jun 2022 13:44

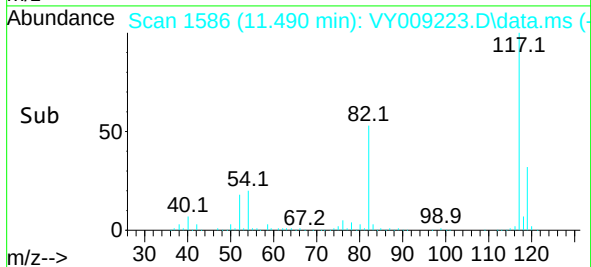
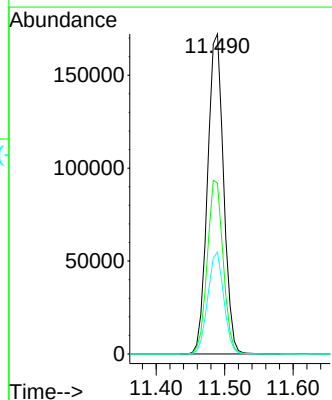
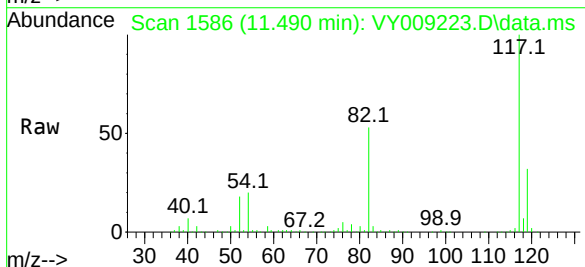
Tgt Ion: 117 Resp: 280356

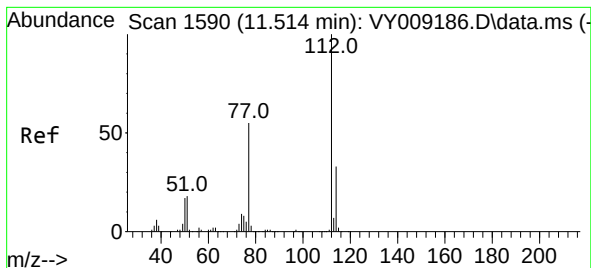
Ion Ratio Lower Upper

117 100

82 53.3 43.0 64.4

119 31.9 25.4 38.0





#65

Chlorobenzene

Concen: 2.075 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009223.D

Acq: 17 Jun 2022 13:44

Instrument :

MSVOA_Y

ClientSampleId :

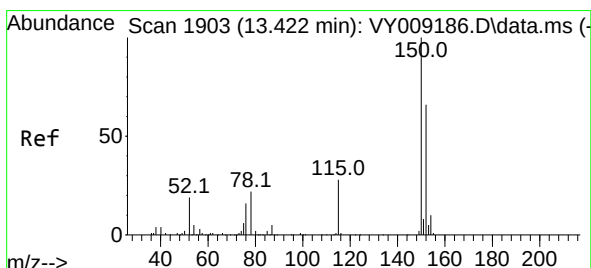
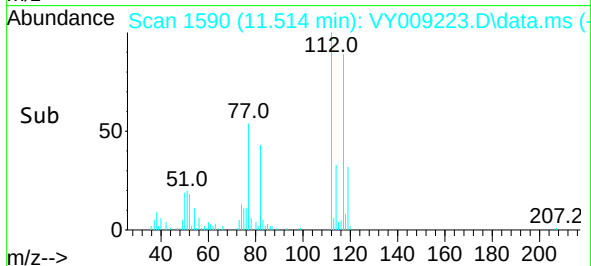
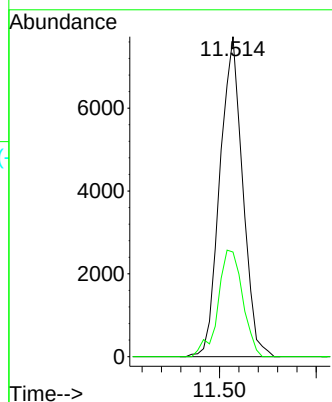
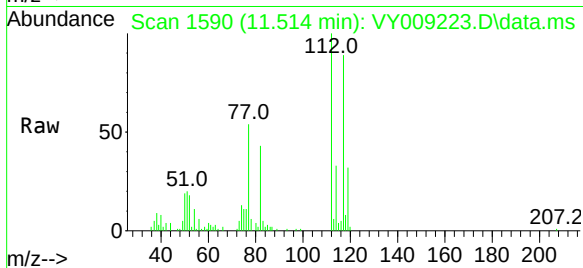
40591

Tgt Ion:112 Resp: 12602

Ion Ratio Lower Upper

112 100

114 32.7 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009223.D

Acq: 17 Jun 2022 13:44

Tgt Ion:152 Resp: 104863

Ion Ratio Lower Upper

152 100

115 56.9 28.2 84.7

150 154.9 0.0 347.6

