

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013720.D
 Acq On : 11 May 2023 16:58
 Operator : KP/MD
 Sample : 02747-02
 Misc : 6.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-10-12-20230510

Quant Time: May 12 04:45:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

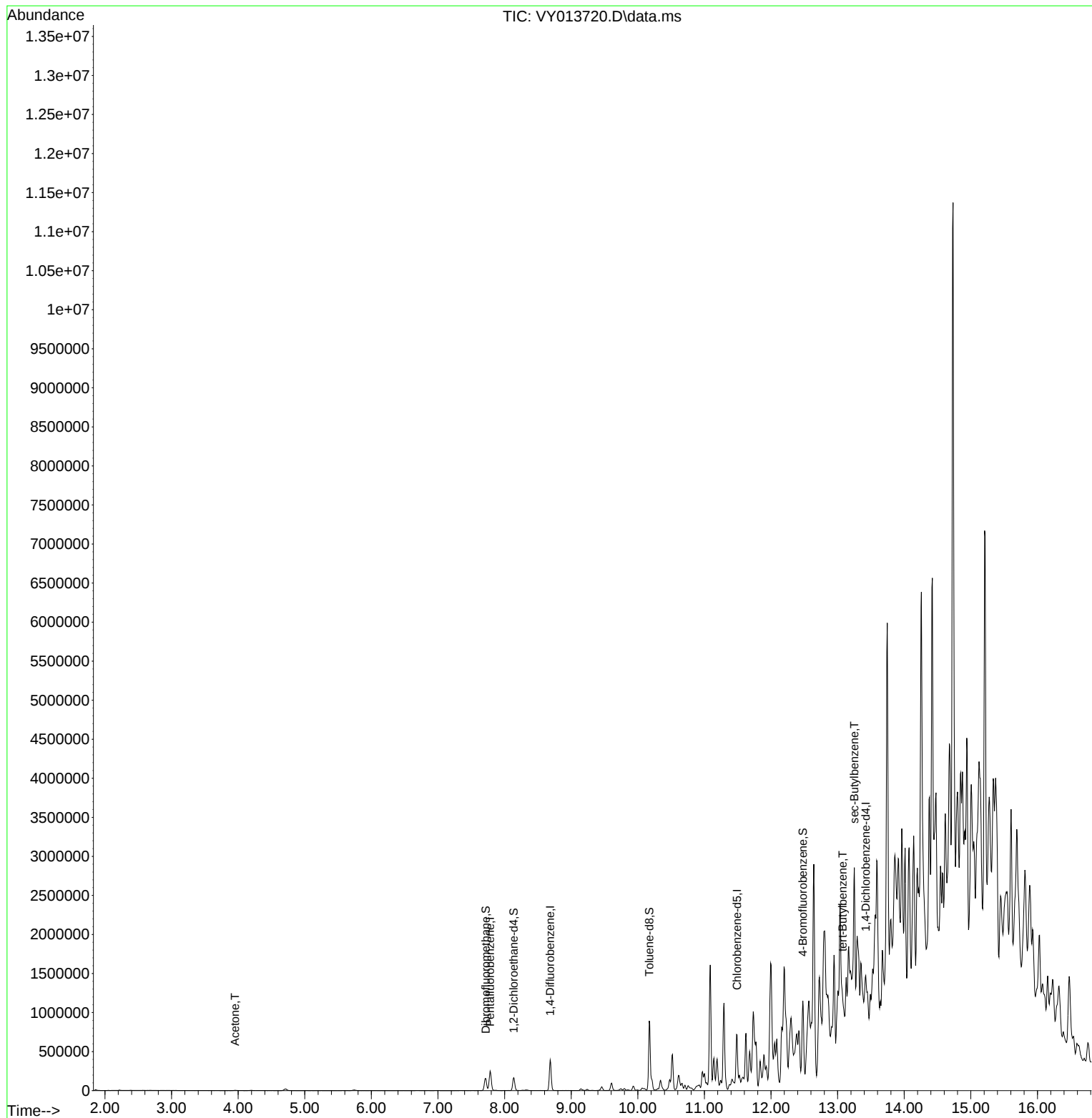
Internal Standards						
1) Pentafluorobenzene	7.783	168	188877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	320791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	330602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	172391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	134465	64.943	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 129.880%		
35) Dibromofluoromethane	7.716	113	110394	54.715	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 109.420%		
50) Toluene-d8	10.173	98	428582	59.712	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 119.420%		
62) 4-Bromofluorobenzene	12.477	95	208361	86.109	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 172.220%#		
Target Compounds						
						Qvalue
16) Acetone	3.954	43	8496	10.420	ug/l	96
83) tert-Butylbenzene	13.075	119	65125	7.063	ug/l	75
85) sec-Butylbenzene	13.251	105	907429	65.576	ug/l	91

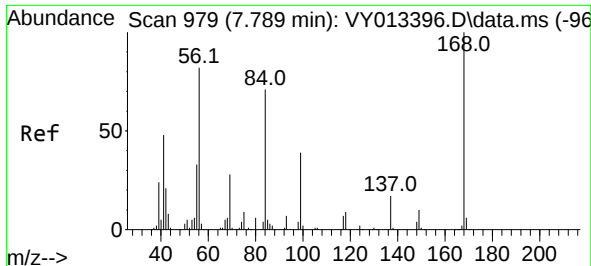
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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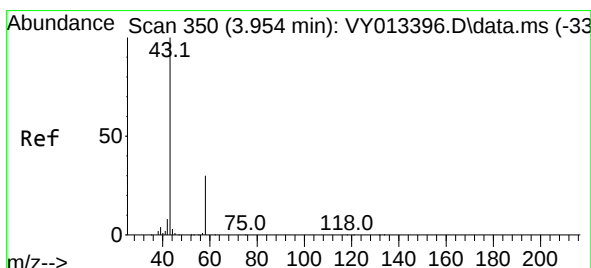
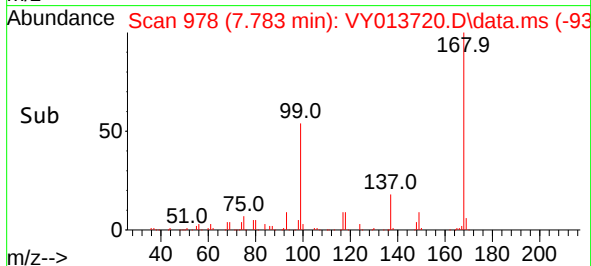
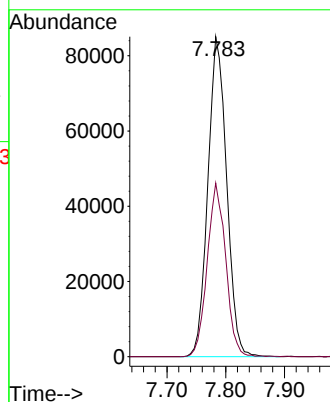
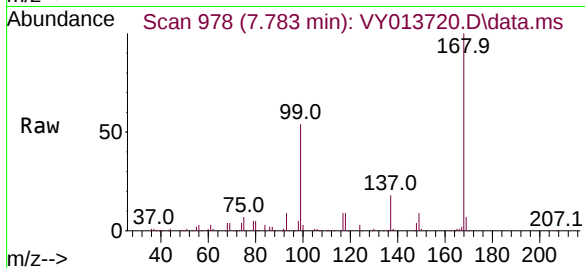




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013720.D
Acq: 11 May 2023 16:58

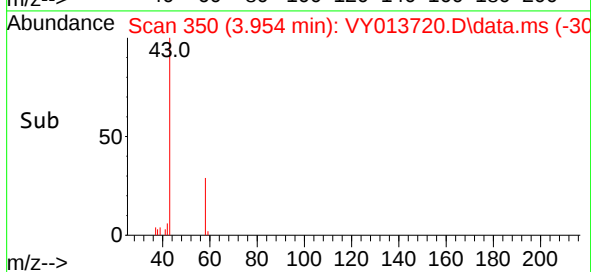
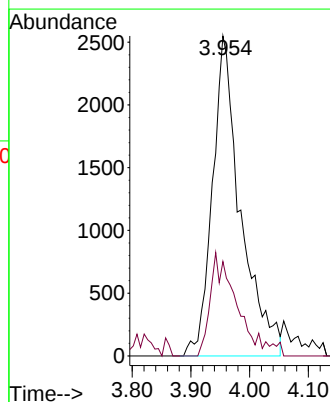
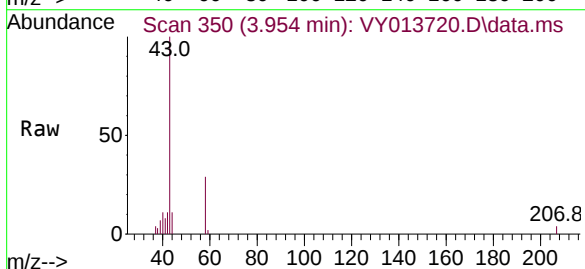
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-10-12-20230510

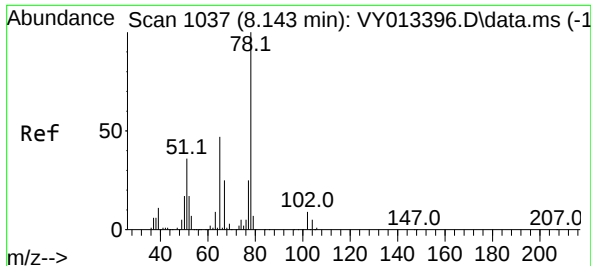
Tgt Ion:168 Resp: 188877
Ion Ratio Lower Upper
168 100
99 54.3 41.8 62.6



#16
Acetone
Concen: 10.420 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013720.D
Acq: 11 May 2023 16:58

Tgt Ion: 43 Resp: 8496
Ion Ratio Lower Upper
43 100
58 29.5 25.4 38.0

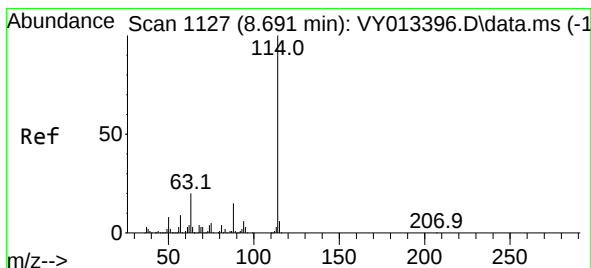
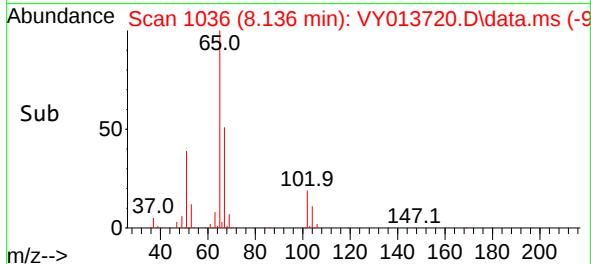
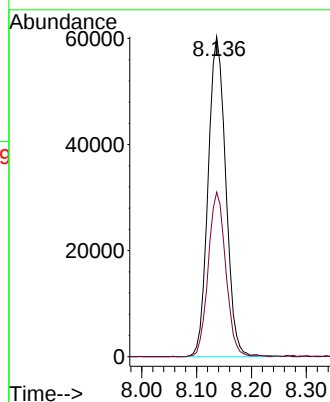
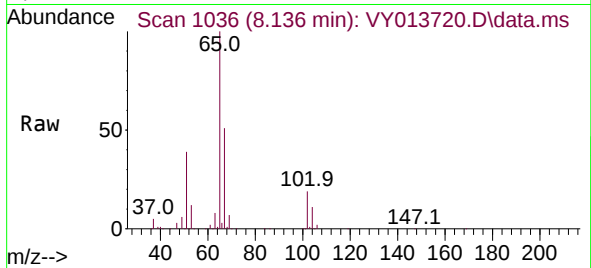




#33
1,2-Dichloroethane-d4
Concen: 64.943 ug/l
RT: 8.136 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY013720.D
Acq: 11 May 2023 16:58

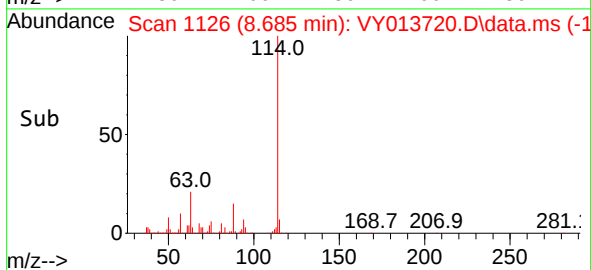
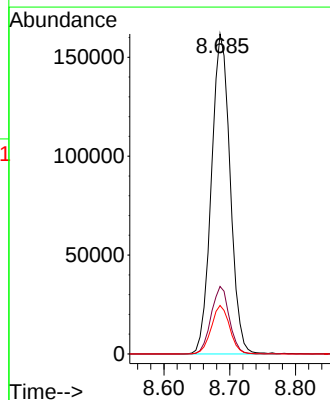
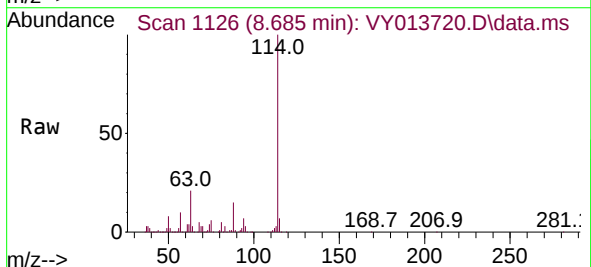
Instrument :
MSVOA_Y
ClientSampleId :
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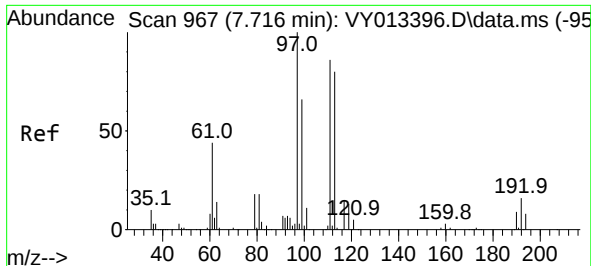
Tgt Ion: 65 Resp: 134465
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013720.D
Acq: 11 May 2023 16:58

Tgt Ion:114 Resp: 320791
Ion Ratio Lower Upper
114 100
63 21.1 0.0 36.6
88 15.2 0.0 28.8

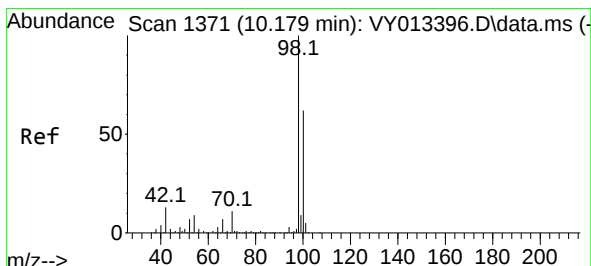
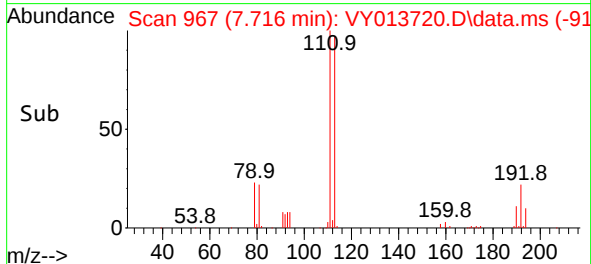
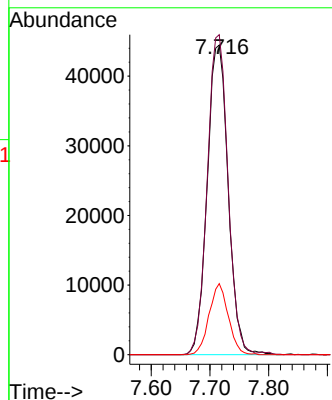
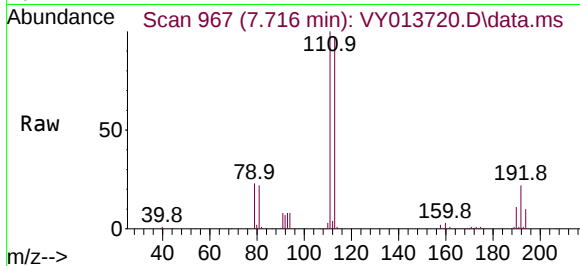




#35
Dibromofluoromethane
Concen: 54.715 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013720.D
Acq: 11 May 2023 16:58

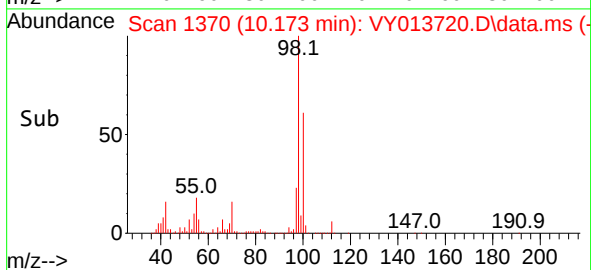
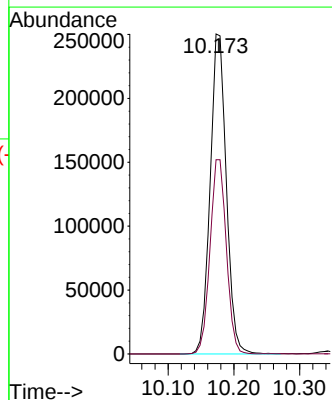
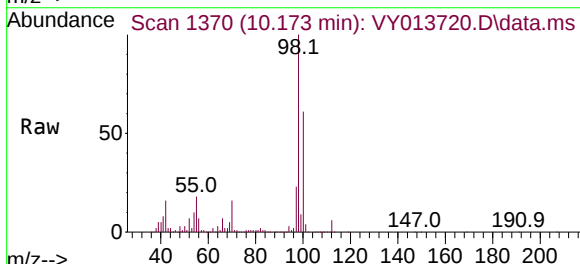
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-10-12-20230510

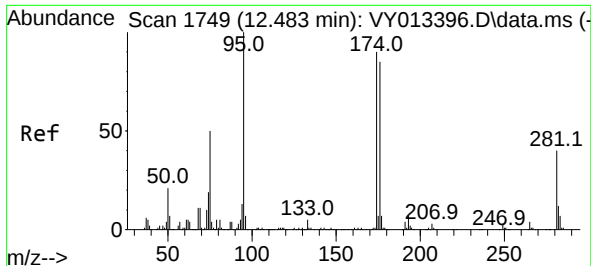
Tgt Ion:113 Resp: 110394
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 21.0 16.7 25.1



#50
Toluene-d8
Concen: 59.712 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013720.D
Acq: 11 May 2023 16:58

Tgt Ion: 98 Resp: 428582
Ion Ratio Lower Upper
98 100
100 61.2 50.5 75.7





#62

4-Bromofluorobenzene

Concen: 86.109 ug/l

RT: 12.477 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013720.D

Acq: 11 May 2023 16:58

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-10-12-20230510

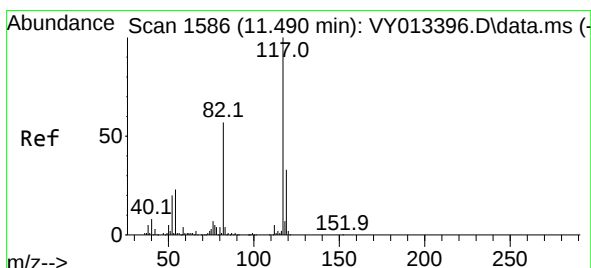
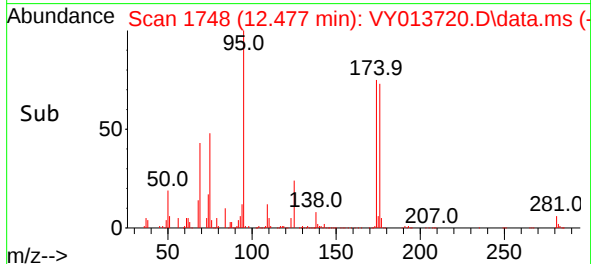
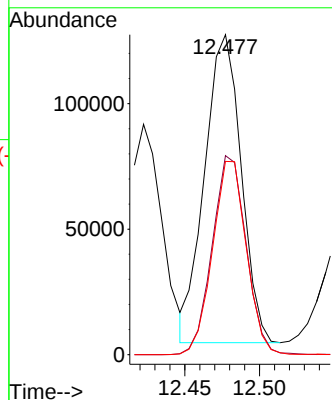
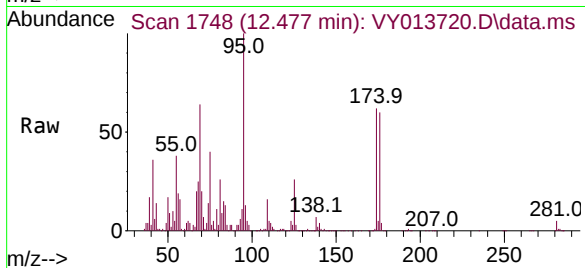
Tgt Ion: 95 Resp: 208361

Ion Ratio Lower Upper

95 100

174 60.1 0.0 182.0

176 58.4 0.0 175.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.001 min

Lab File: VY013720.D

Acq: 11 May 2023 16:58

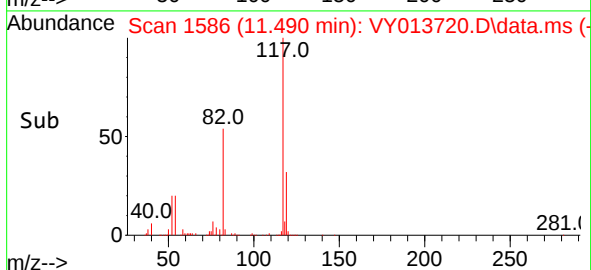
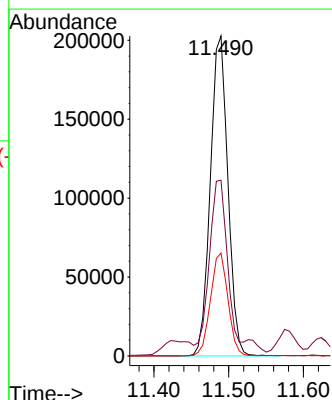
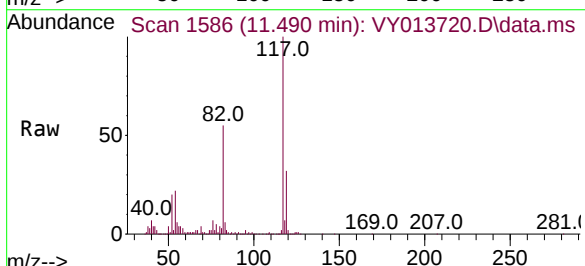
Tgt Ion: 117 Resp: 330602

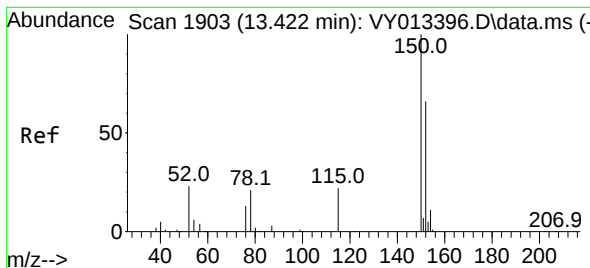
Ion Ratio Lower Upper

117 100

82 50.5 43.0 64.6

119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013720.D

Acq: 11 May 2023 16:58

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-10-12-20230510

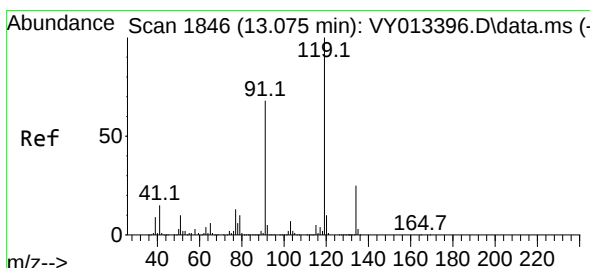
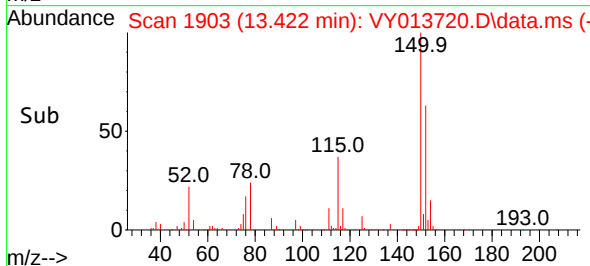
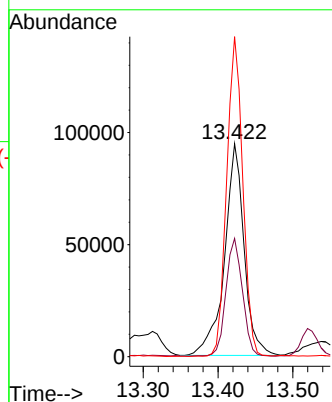
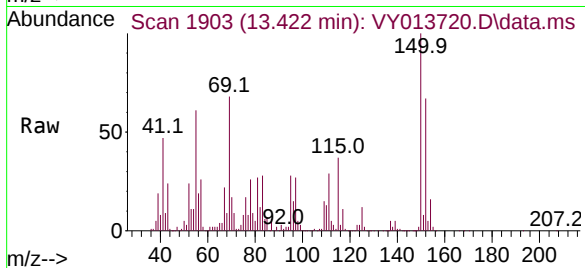
Tgt Ion:152 Resp: 172391

Ion Ratio Lower Upper

152 100

115 46.8 28.1 84.2

150 123.9 0.0 352.0



#83

tert-Butylbenzene

Concen: 7.063 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.001 min

Lab File: VY013720.D

Acq: 11 May 2023 16:58

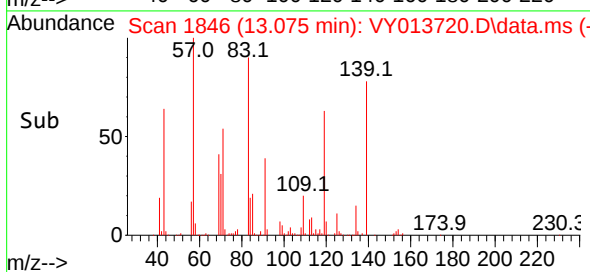
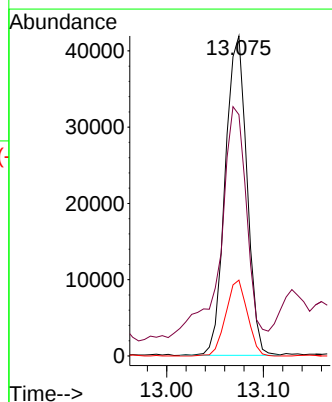
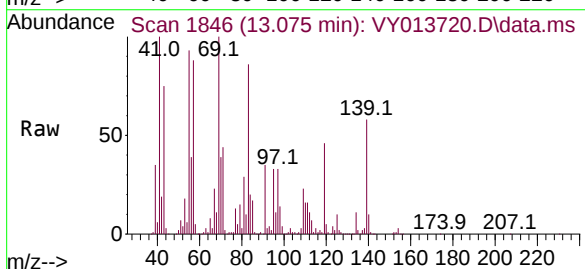
Tgt Ion:119 Resp: 65125

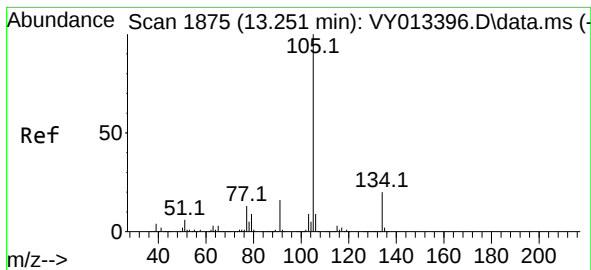
Ion Ratio Lower Upper

119 100

91 91.1 32.2 96.6

134 23.7 13.0 38.9





#85

sec-Butylbenzene

Concen: 65.576 ug/l

RT: 13.251 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013720.D

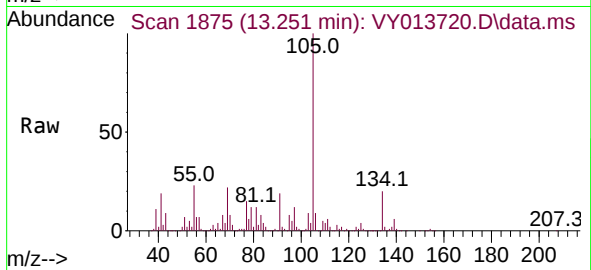
Acq: 11 May 2023 16:58

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-10-12-20230510



Tgt Ion:105 Resp: 907429

Ion Ratio Lower Upper

105 100

134 24.7 10.3 30.9

