

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051623\
 Data File : VY013755.D
 Acq On : 16 May 2023 13:31
 Operator : KP/MD
 Sample : 02747-03
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-5-7-20230510

Quant Time: May 17 07:46:10 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)

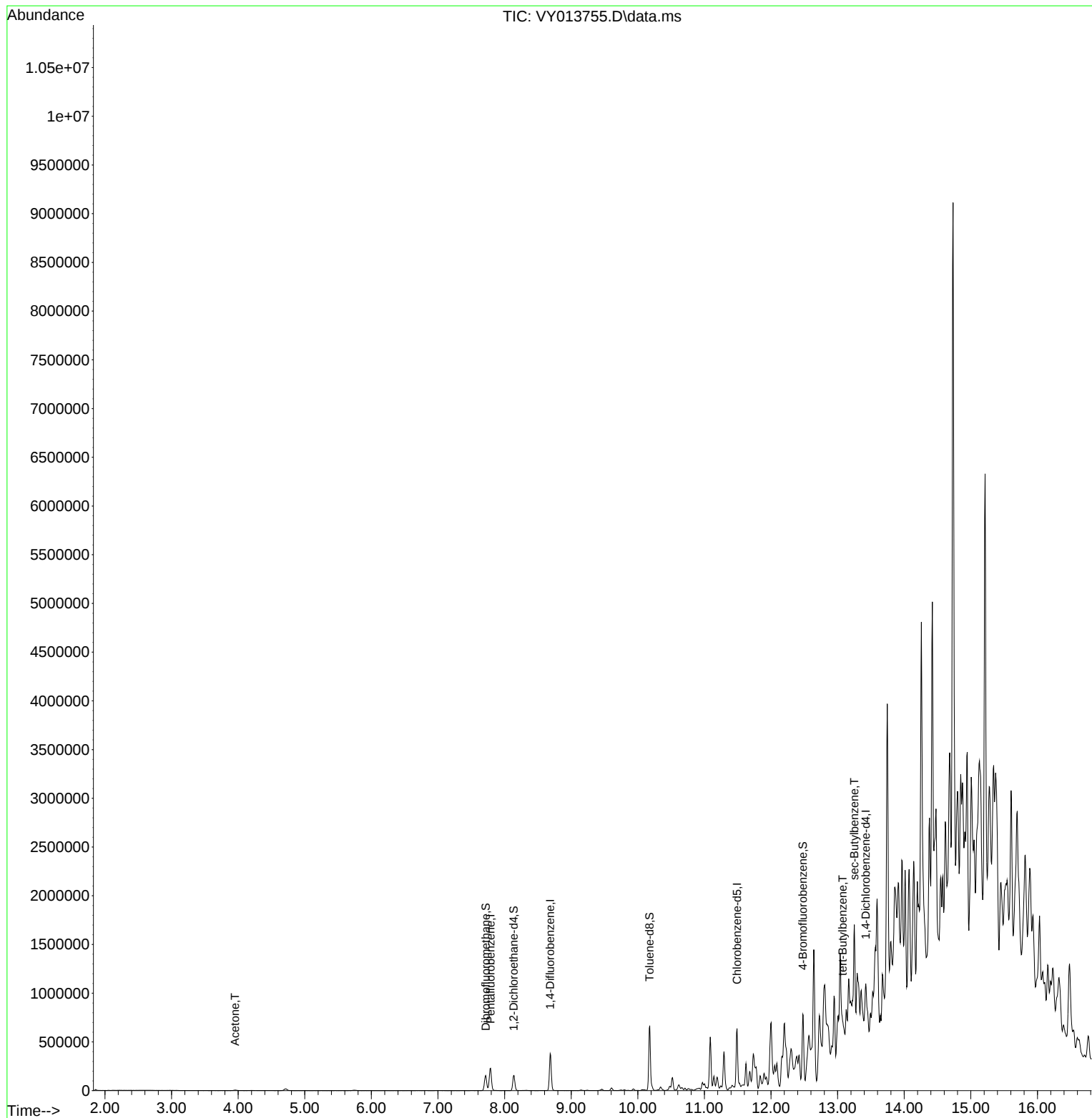
Internal Standards						
1) Pentafluorobenzene	7.789	168	176211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	309778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	310207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	148881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	125710	65.079	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 130.160%		
35) Dibromofluoromethane	7.716	113	106180	54.497	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 109.000%		
50) Toluene-d8	10.179	98	392990	56.699	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 113.400%		
62) 4-Bromofluorobenzene	12.477	95	166324	71.180	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 142.360%		
Target Compounds						
						Qvalue
16) Acetone	3.954	43	11383	14.964	ug/l #	80
83) tert-Butylbenzene	13.075	119	34956	4.390	ug/l	76
85) sec-Butylbenzene	13.251	105	517149	43.273	ug/l	92

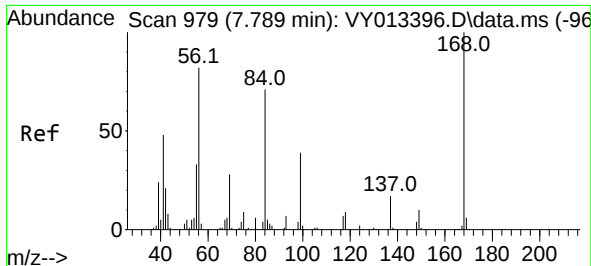
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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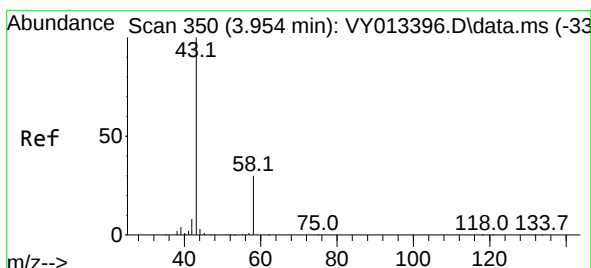
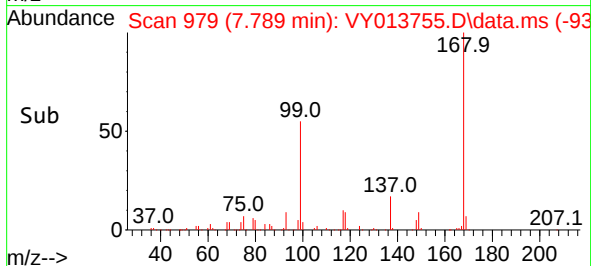
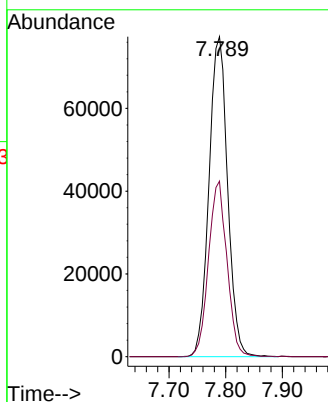
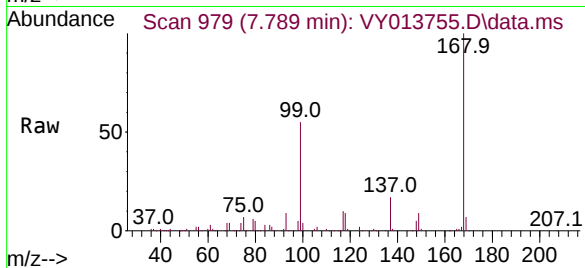




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013755.D
Acq: 16 May 2023 13:31

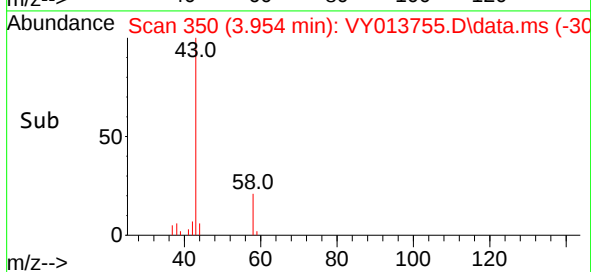
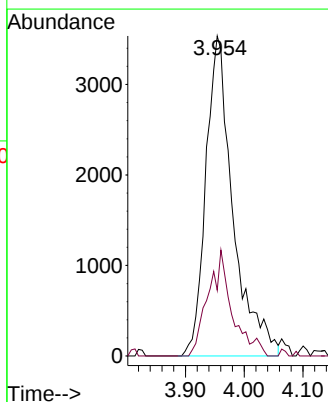
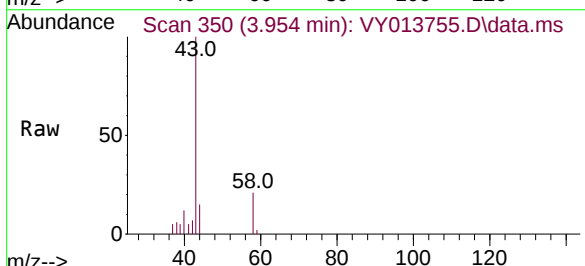
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-5-7-20230510

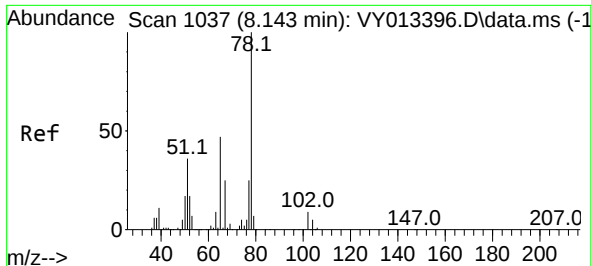
Tgt Ion:168 Resp: 176211
Ion Ratio Lower Upper
168 100
99 54.8 41.8 62.6



#16
Acetone
Concen: 14.964 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013755.D
Acq: 16 May 2023 13:31

Tgt Ion: 43 Resp: 11383
Ion Ratio Lower Upper
43 100
58 20.5 25.4 38.0#

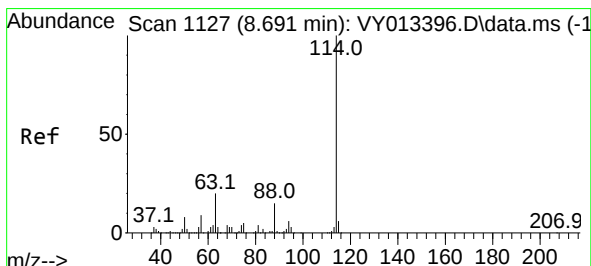
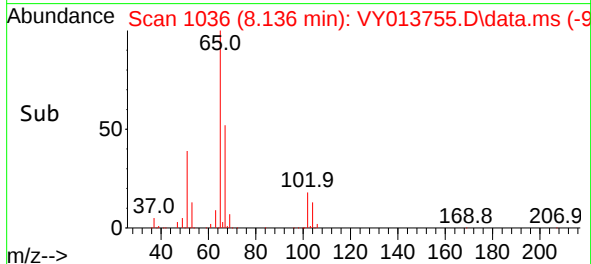
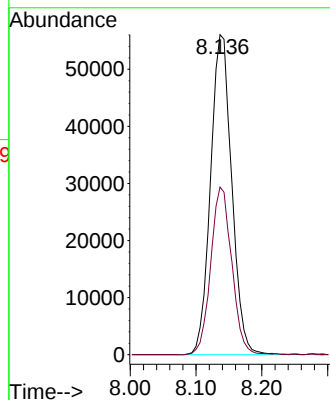
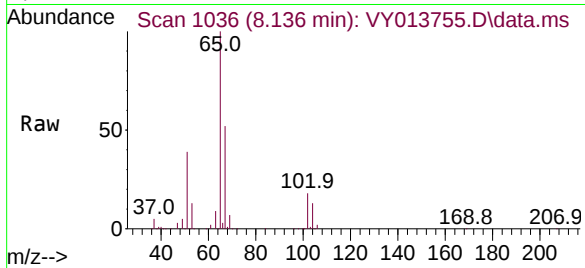




#33
1,2-Dichloroethane-d4
Concen: 65.079 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013755.D
Acq: 16 May 2023 13:31

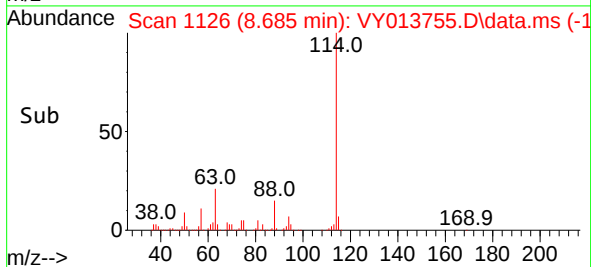
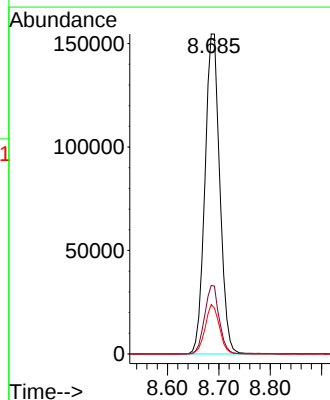
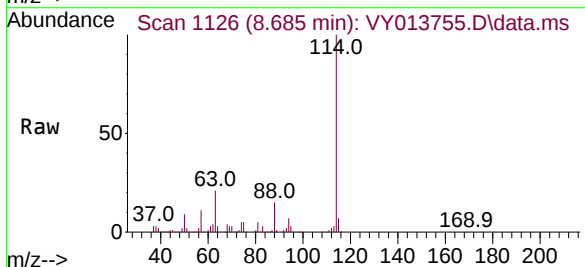
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-5-7-20230510

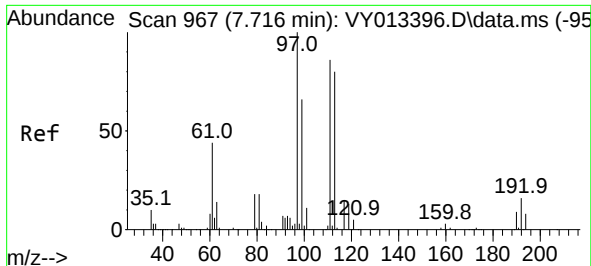
Tgt Ion: 65 Resp: 125710
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013755.D
Acq: 16 May 2023 13:31

Tgt Ion: 114 Resp: 309778
Ion Ratio Lower Upper
114 100
63 21.4 0.0 36.6
88 15.5 0.0 28.8

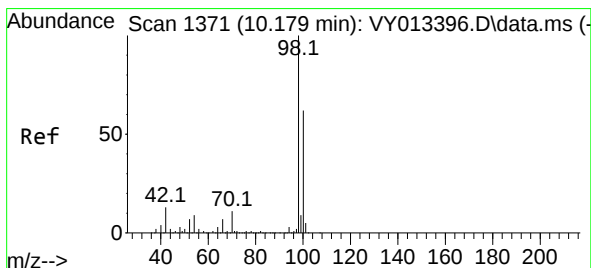
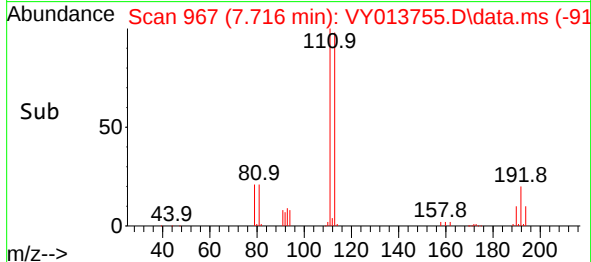
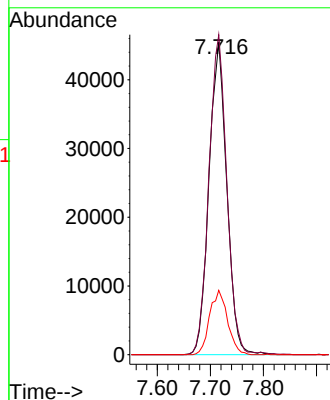
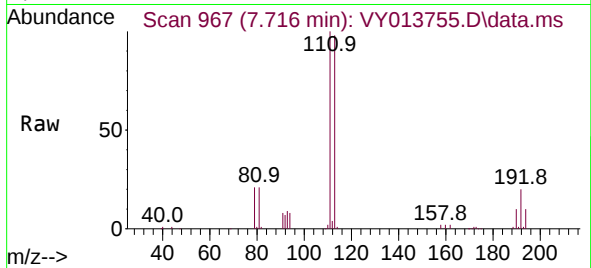




#35
 Dibromofluoromethane
 Concen: 54.497 ug/l
 RT: 7.716 min Scan# 90
 Delta R.T. -0.000 min
 Lab File: VY013755.D
 Acq: 16 May 2023 13:31

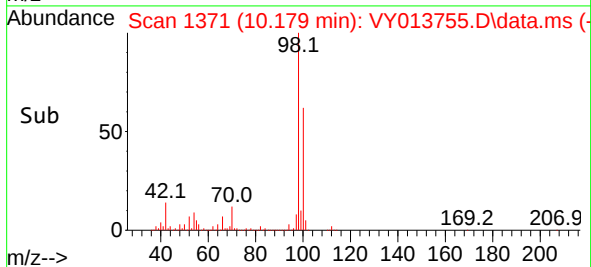
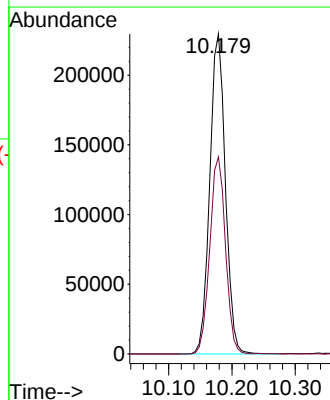
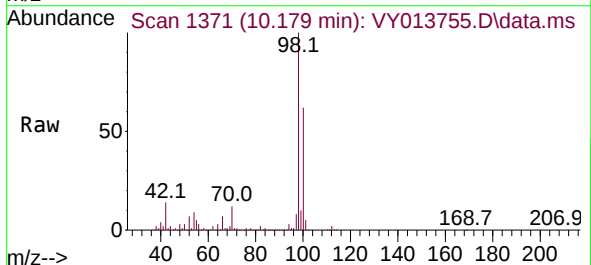
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-5-7-20230510

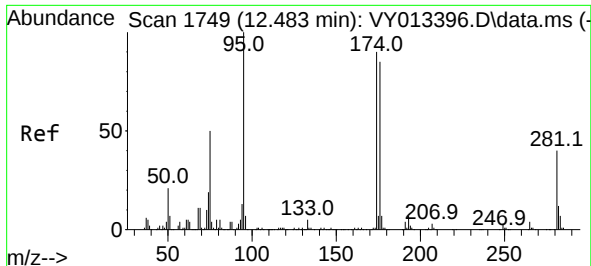
Tgt Ion:113 Resp: 106180
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.2
 192 20.7 16.7 25.1



#50
 Toluene-d8
 Concen: 56.699 ug/l
 RT: 10.179 min Scan# 1371
 Delta R.T. -0.000 min
 Lab File: VY013755.D
 Acq: 16 May 2023 13:31

Tgt Ion: 98 Resp: 392990
 Ion Ratio Lower Upper
 98 100
 100 62.0 50.5 75.7





#62

4-Bromofluorobenzene

Concen: 71.180 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013755.D

Acq: 16 May 2023 13:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-5-7-20230510

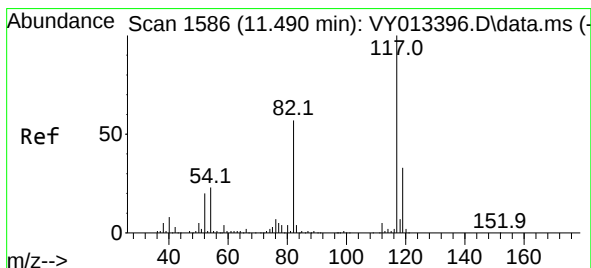
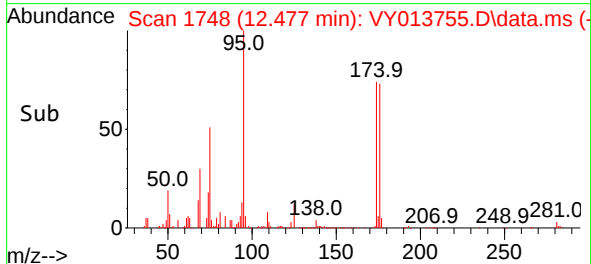
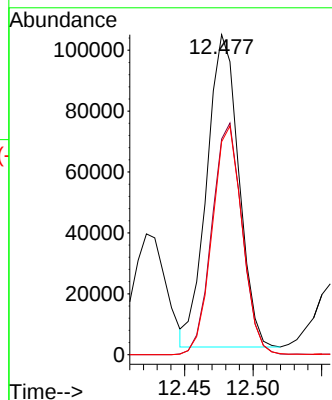
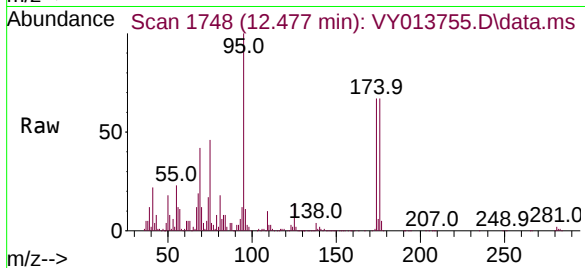
Tgt Ion: 95 Resp: 166324

Ion Ratio Lower Upper

95 100

174 70.3 0.0 182.0

176 69.0 0.0 175.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY013755.D

Acq: 16 May 2023 13:31

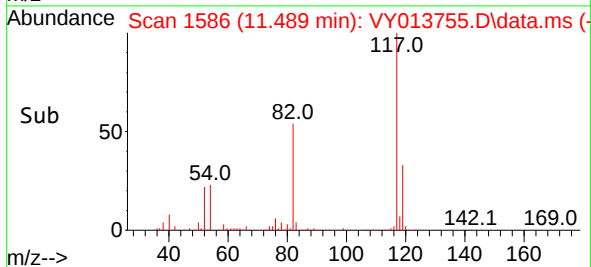
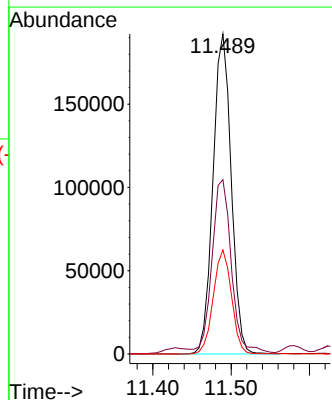
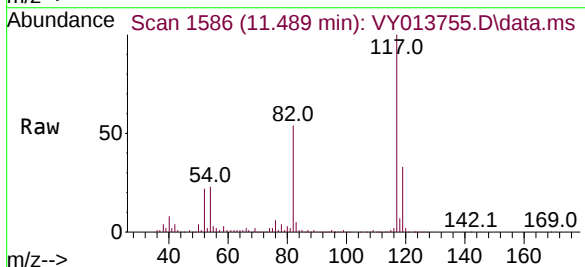
Tgt Ion: 117 Resp: 310207

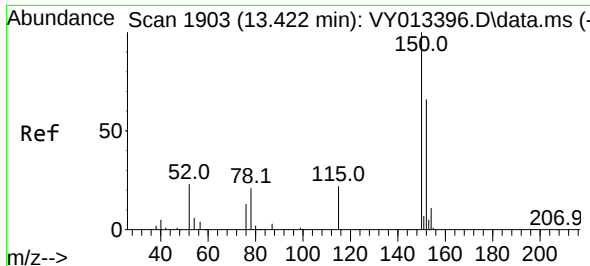
Ion Ratio Lower Upper

117 100

82 53.5 43.0 64.6

119 32.5 25.5 38.3



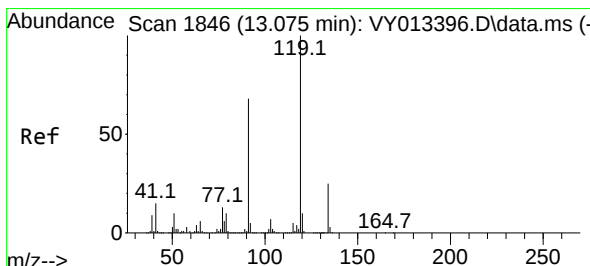
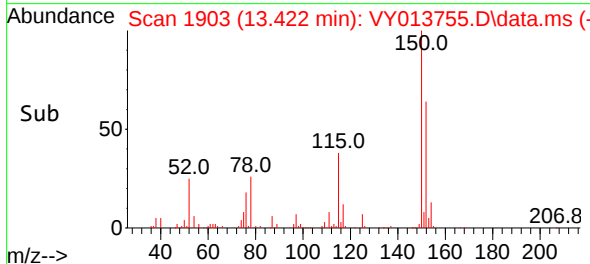
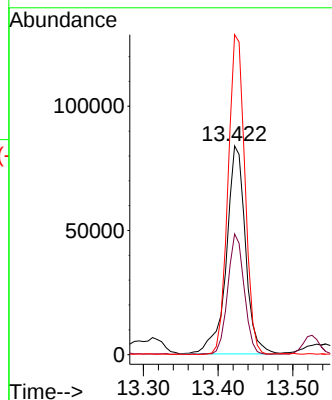
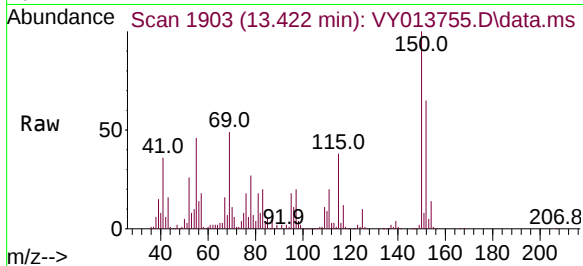


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY013755.D
 Acq: 16 May 2023 13:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-5-7-20230510

Tgt Ion:152 Resp: 148881

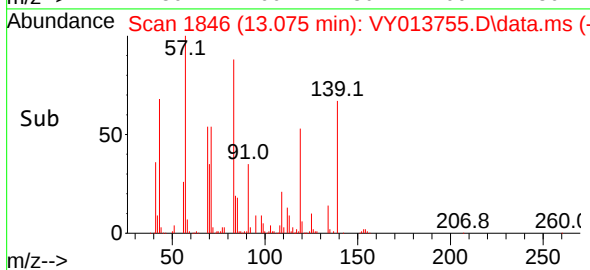
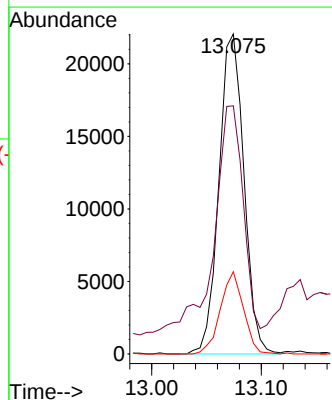
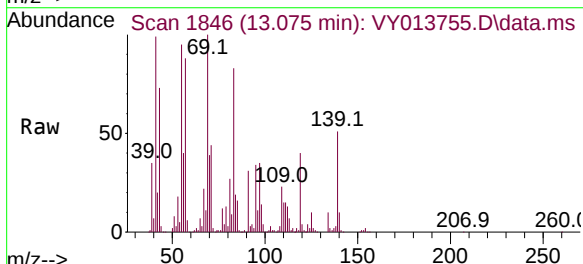
Ion	Ratio	Lower	Upper
152	100		
115	49.7	28.1	84.2
150	135.6	0.0	352.0

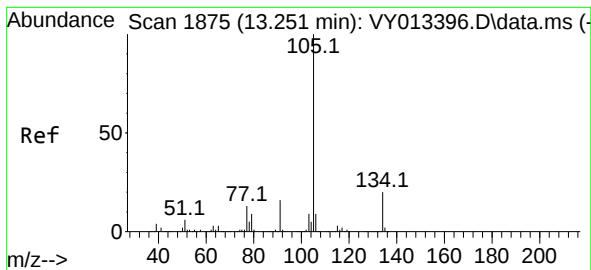


#83
 tert-Butylbenzene
 Concen: 4.390 ug/l
 RT: 13.075 min Scan# 1846
 Delta R.T. 0.001 min
 Lab File: VY013755.D
 Acq: 16 May 2023 13:31

Tgt Ion:119 Resp: 34956

Ion	Ratio	Lower	Upper
119	100		
91	89.7	32.2	96.6
134	23.7	13.0	38.9





#85

sec-Butylbenzene

Concen: 43.273 ug/l

RT: 13.251 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013755.D

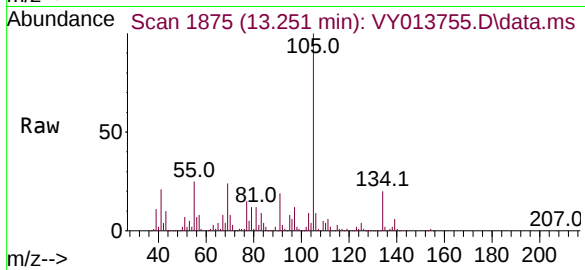
Acq: 16 May 2023 13:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-5-7-20230510



Tgt Ion:105 Resp: 517149

Ion Ratio Lower Upper

105 100

134 24.5 10.3 30.9

