

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062222\
 Data File : VY009278.D
 Acq On : 22 Jun 2022 17:42
 Operator : KP/MD
 Sample : N3430-03
 Misc : 3.89/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5-0-2-20220621

Quant Time: Jun 23 01:57:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 14:08:27 2022
 Response via : Initial Calibration

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

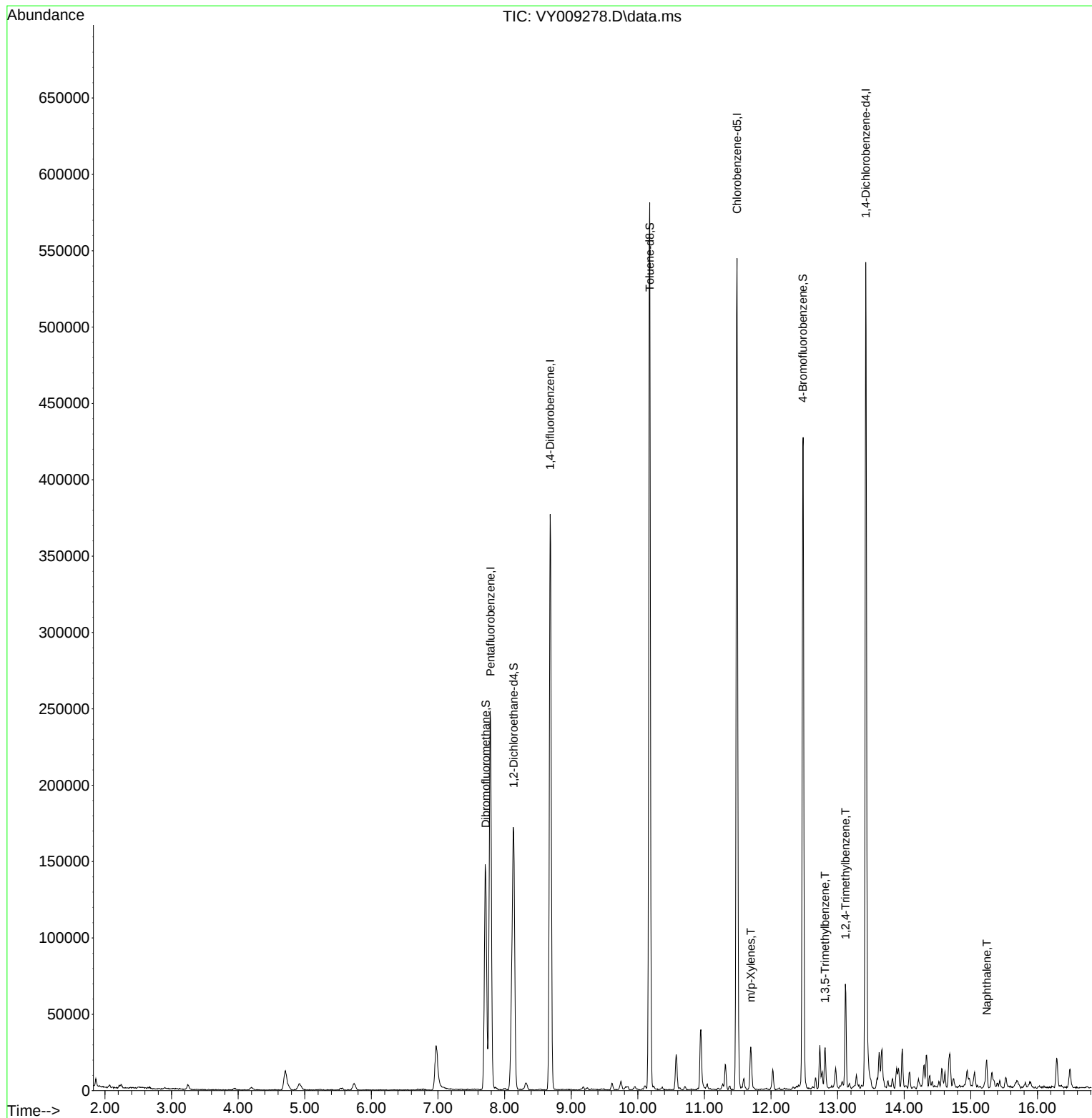
Internal Standards						
1) Pentafluorobenzene	7.789	168	199816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	335650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	302784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	138459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112156	51.107	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.220%	
35) Dibromofluoromethane	7.716	113	104533	48.089	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.180%	
50) Toluene-d8	10.179	98	386038	46.230	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.460%	
62) 4-Bromofluorobenzene	12.477	95	136107	46.386	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.780%	
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.697	106	8040	1.733	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	10834	1.201	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	36195	4.096	ug/l	98
95) Naphthalene	15.239	128	13965	2.483	ug/l	97

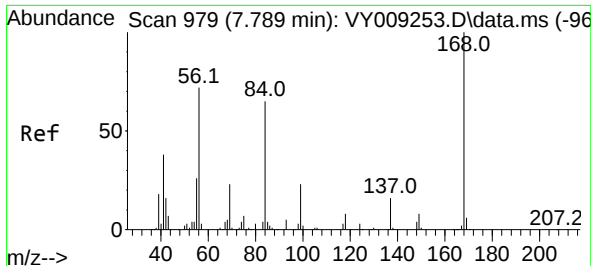
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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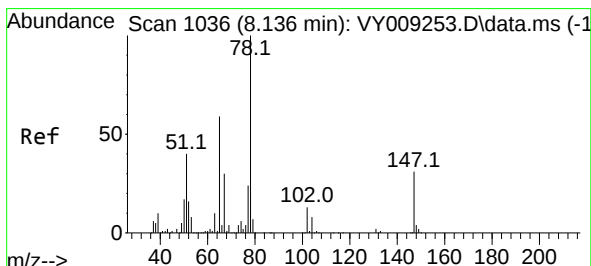
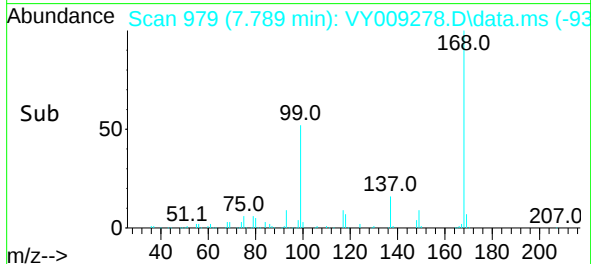
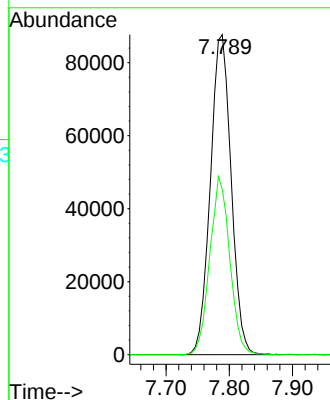
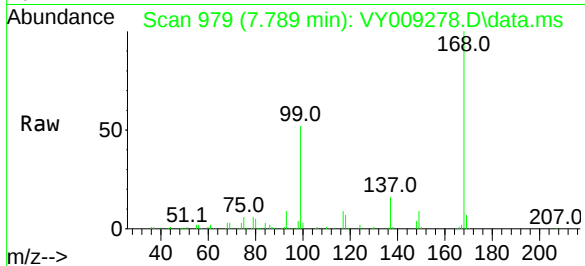




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009278.D
Acq: 22 Jun 2022 17:42

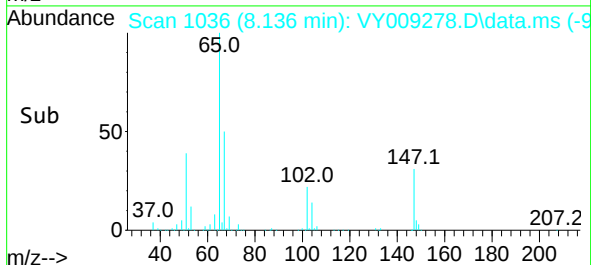
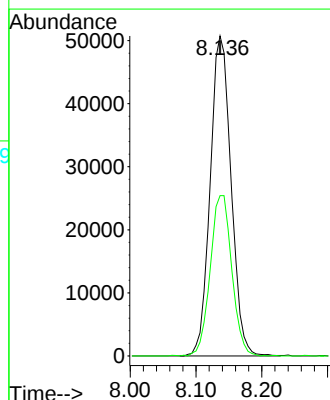
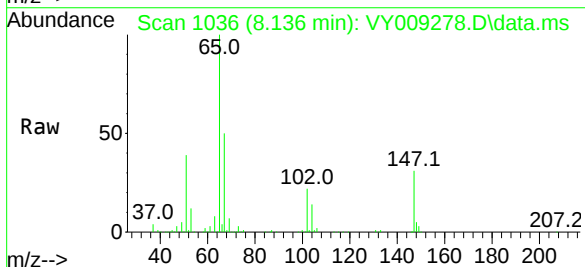
Instrument :
MSVOA_Y
ClientSampleId :
SB-5-0-2-20220621

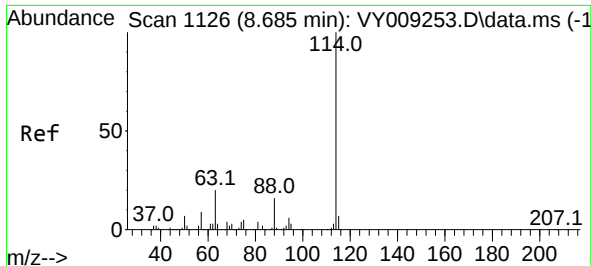
Tgt Ion:168 Resp: 199816
Ion Ratio Lower Upper
168 100
99 51.6 46.9 70.3



#33
1,2-Dichloroethane-d4
Concen: 51.107 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009278.D
Acq: 22 Jun 2022 17:42

Tgt Ion: 65 Resp: 112156
Ion Ratio Lower Upper
65 100
67 51.8 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: VY009278.D

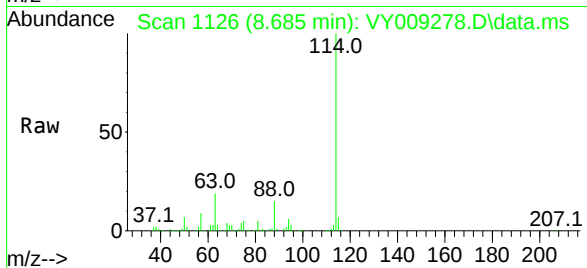
Acq: 22 Jun 2022 17:42

Instrument :

MSVOA_Y

ClientSampleId :

SB-5-0-2-20220621



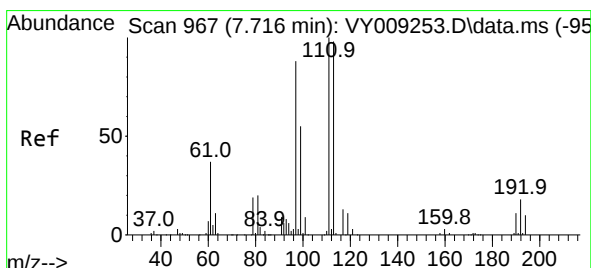
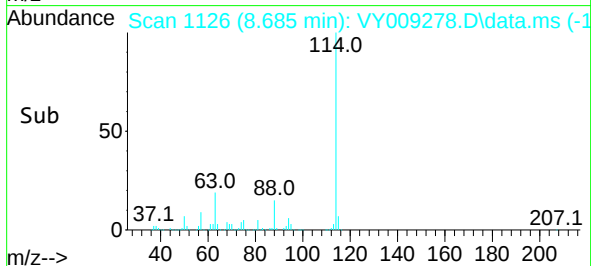
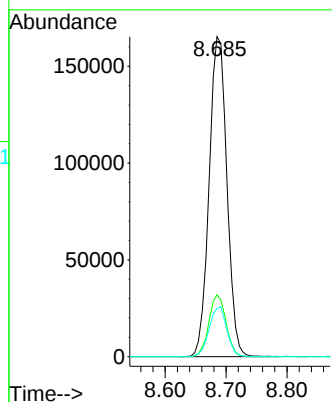
Tgt Ion:114 Resp: 335650

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.089 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY009278.D

Acq: 22 Jun 2022 17:42

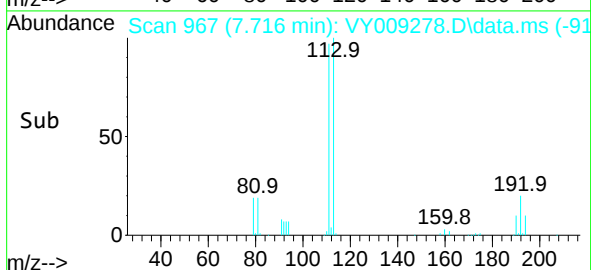
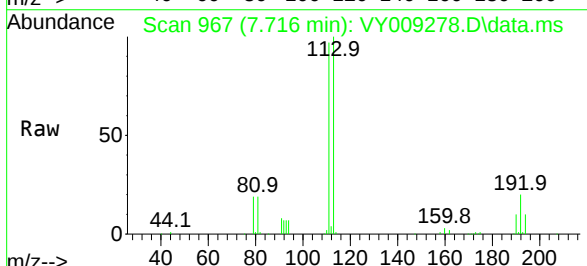
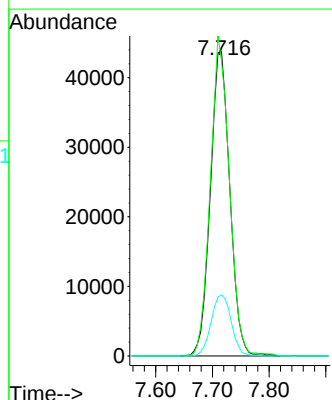
Tgt Ion:113 Resp: 104533

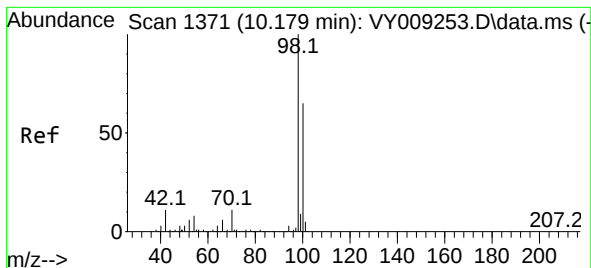
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 20.7 17.6 26.4





#50

Toluene-d8

Concen: 46.230 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009278.D

Acq: 22 Jun 2022 17:42

Instrument :

MSVOA_Y

ClientSampleId :

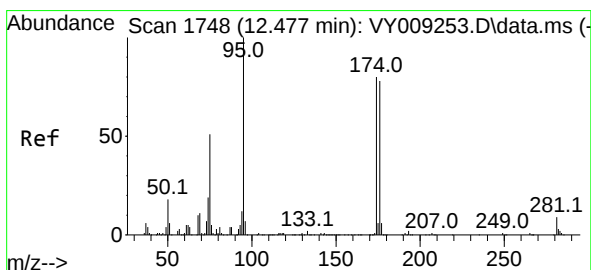
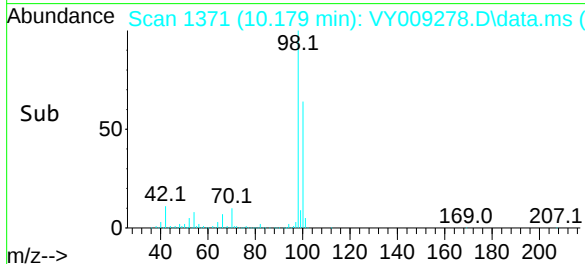
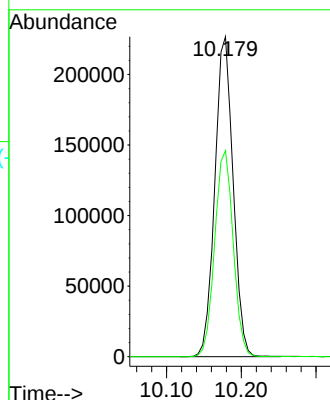
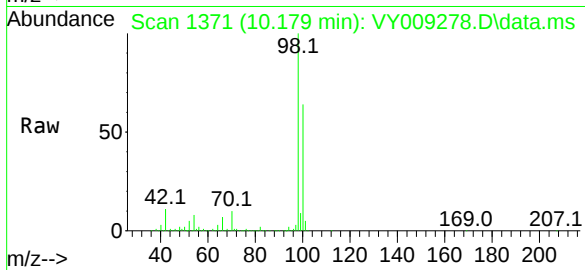
SB-5-0-2-20220621

Tgt Ion: 98 Resp: 386038

Ion Ratio Lower Upper

98 100

100 65.2 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 46.386 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY009278.D

Acq: 22 Jun 2022 17:42

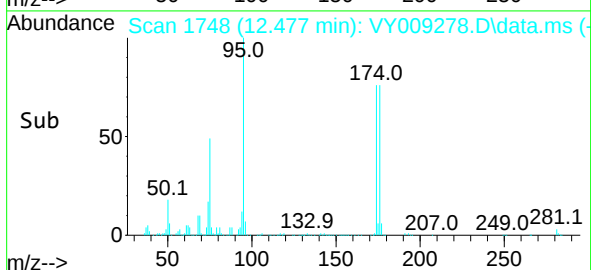
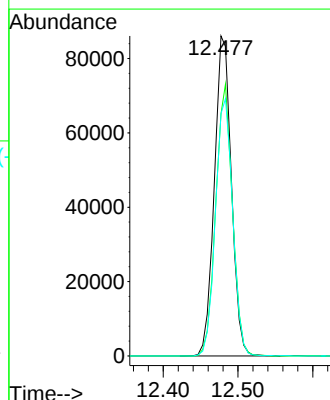
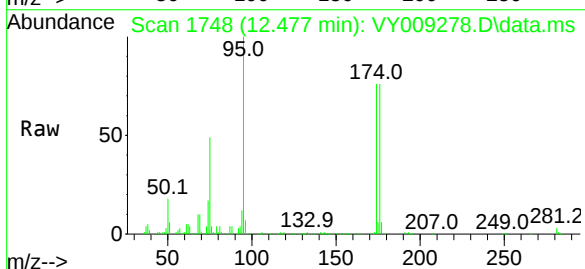
Tgt Ion: 95 Resp: 136107

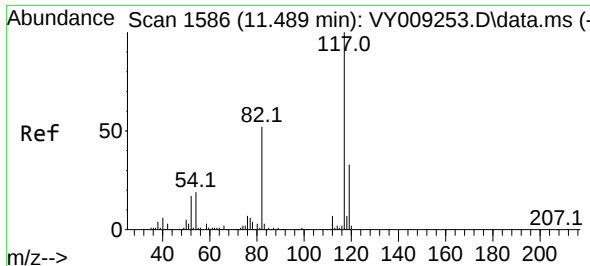
Ion Ratio Lower Upper

95 100

174 83.1 0.0 177.0

176 81.4 0.0 175.8

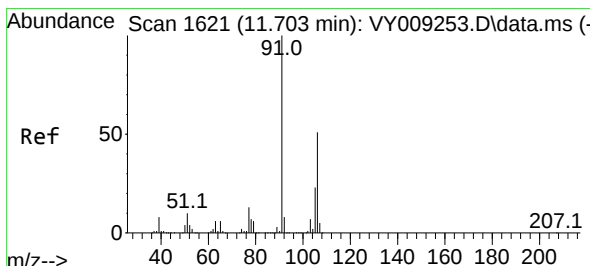
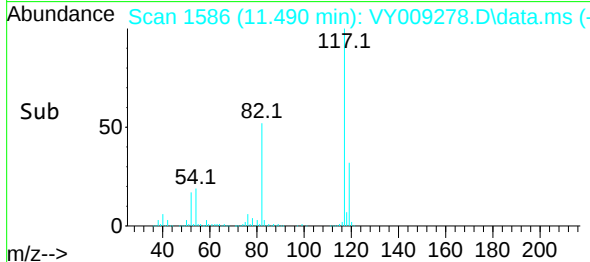
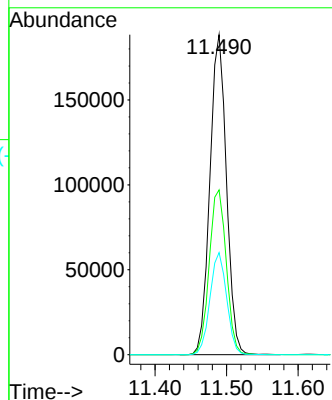
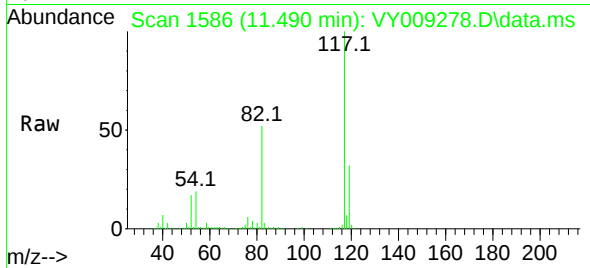




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY009278.D
Acq: 22 Jun 2022 17:42

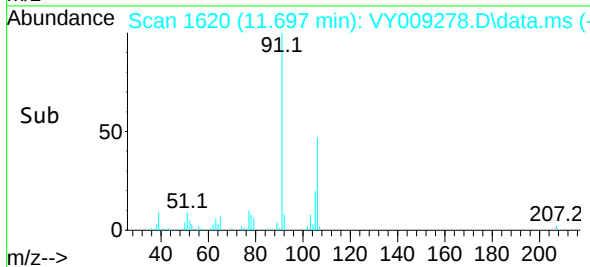
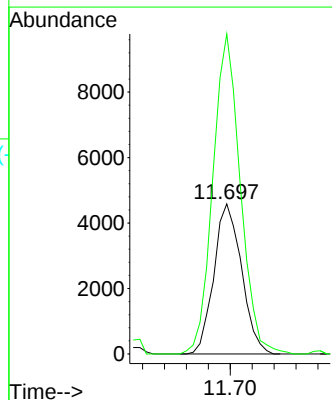
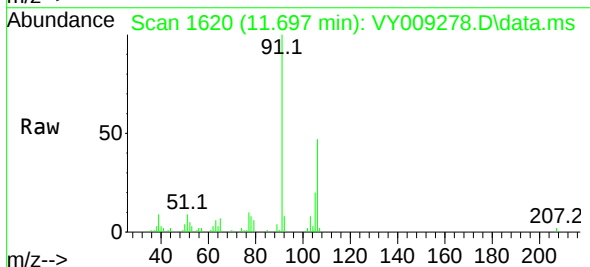
Instrument :
MSVOA_Y
ClientSampleId :
SB-5-0-2-20220621

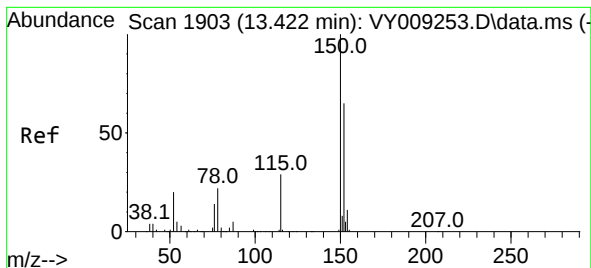
Tgt Ion:117 Resp: 302784
Ion Ratio Lower Upper
117 100
82 51.5 43.0 64.4
119 31.9 25.4 38.0



#68
m/p-Xylenes
Concen: 1.733 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY009278.D
Acq: 22 Jun 2022 17:42

Tgt Ion:106 Resp: 8040
Ion Ratio Lower Upper
106 100
91 211.2 166.6 249.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009278.D

Acq: 22 Jun 2022 17:42

Instrument :

MSVOA_Y

ClientSampleId :

SB-5-0-2-20220621

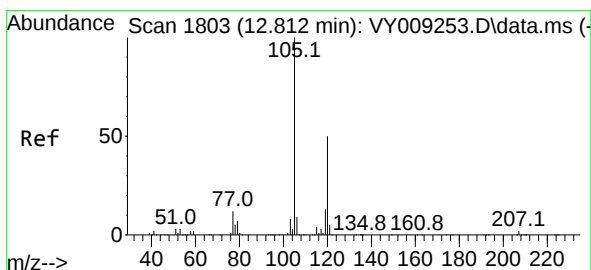
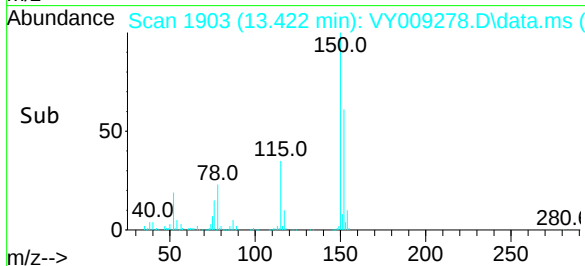
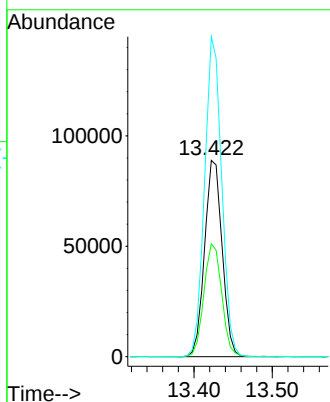
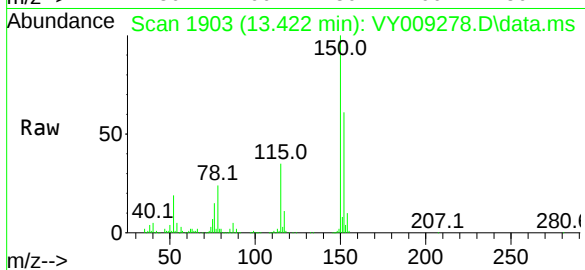
Tgt Ion:152 Resp: 138459

Ion Ratio Lower Upper

152 100

115 58.2 28.2 84.7

150 158.2 0.0 347.6



#80

1,3,5-Trimethylbenzene

Concen: 1.201 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY009278.D

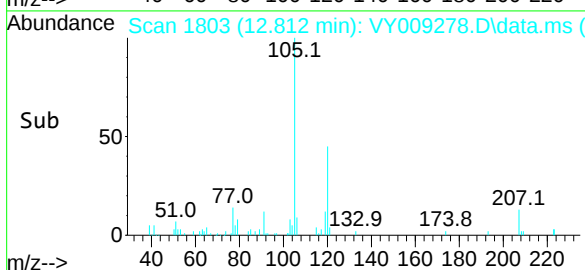
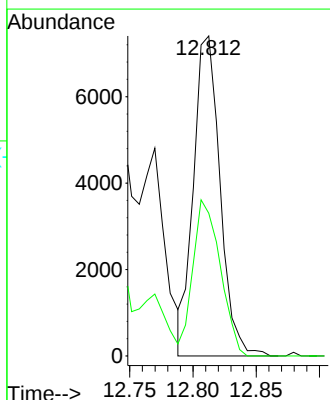
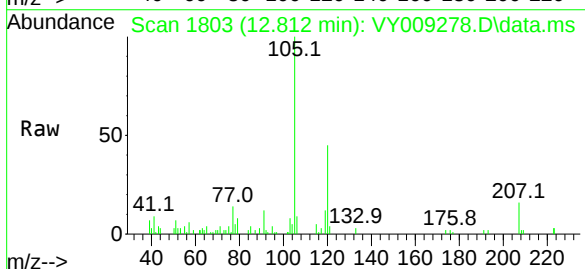
Acq: 22 Jun 2022 17:42

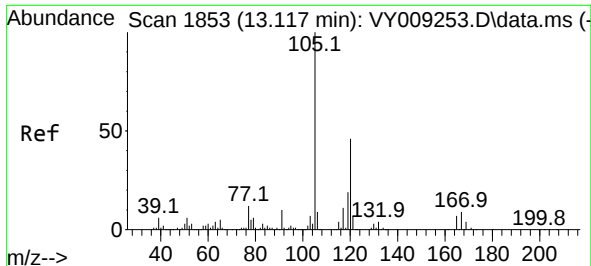
Tgt Ion:105 Resp: 10834

Ion Ratio Lower Upper

105 100

120 50.2 24.4 73.4

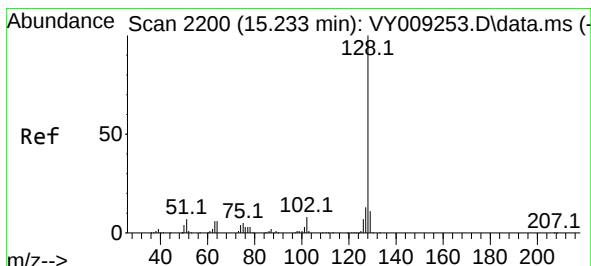
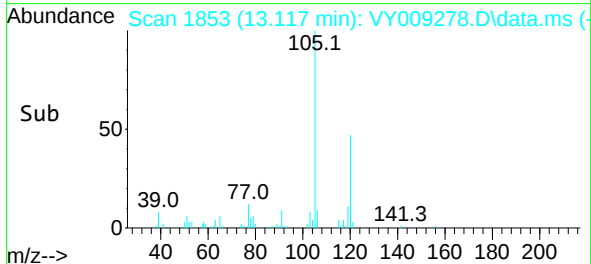
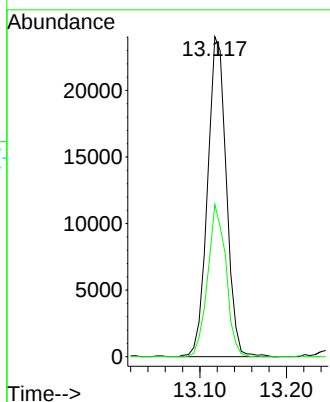
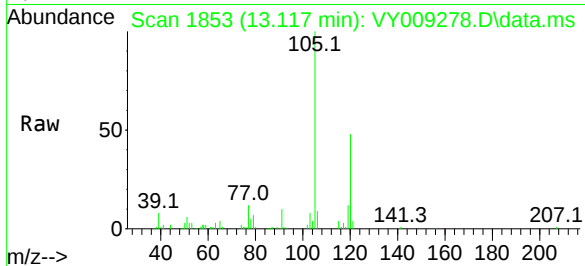




#84
1,2,4-Trimethylbenzene
Concen: 4.096 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009278.D
Acq: 22 Jun 2022 17:42

Instrument :
MSVOA_Y
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Tgt Ion:105 Resp: 36195
Ion Ratio Lower Upper
105 100
120 46.1 22.3 66.9



#95
Naphthalene
Concen: 2.483 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY009278.D
Acq: 22 Jun 2022 17:42

Tgt Ion:128 Resp: 13965
Ion Ratio Lower Upper
128 100
127 12.5 11.0 16.4
129 11.7 8.4 12.6

