

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011651.D
 Acq On : 30 Nov 2022 19:10
 Operator : KP/MD
 Sample : N5819-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2

Quant Time: Dec 01 05:26:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

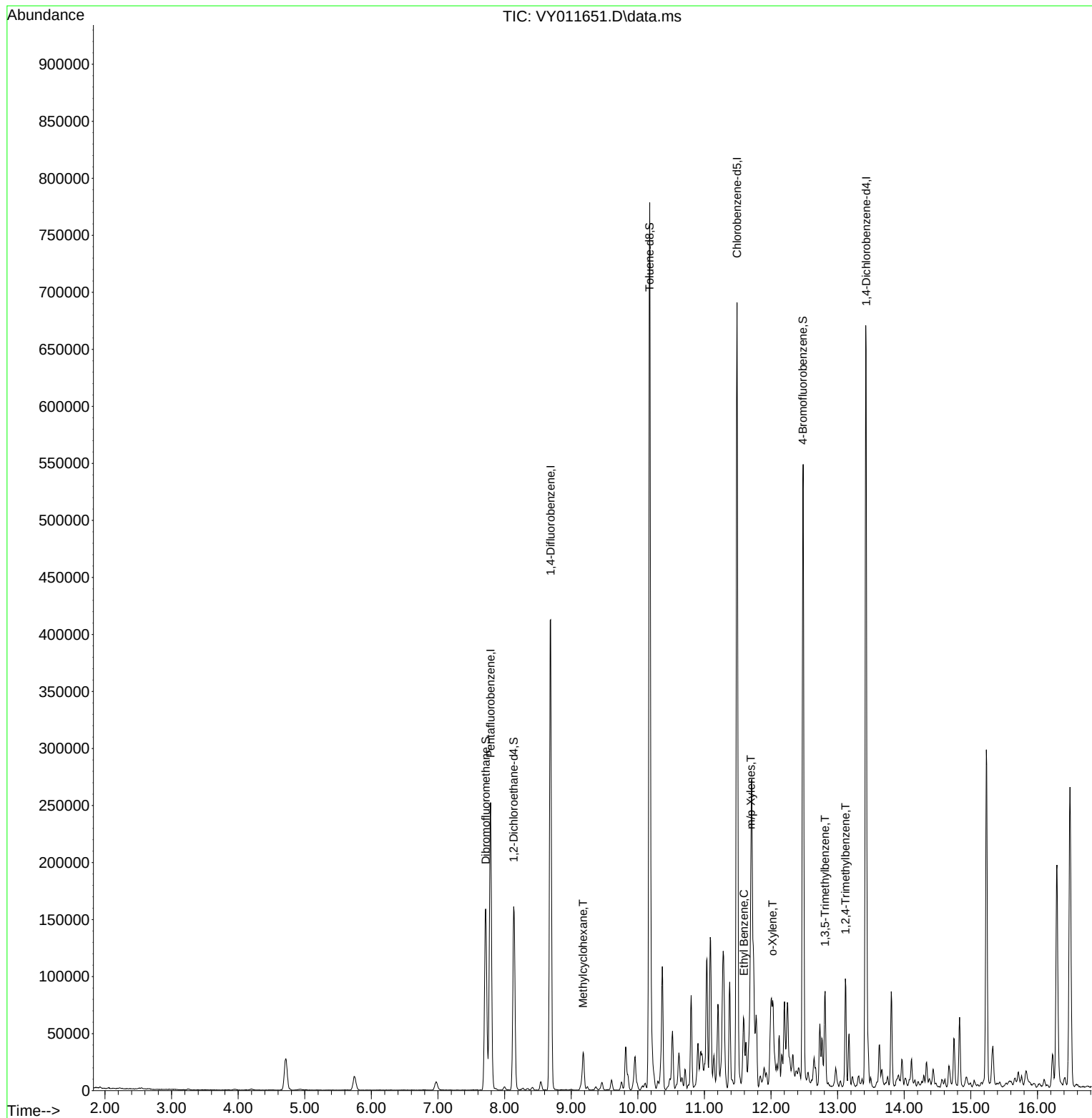
Internal Standards						
1) Pentafluorobenzene	7.789	168	187824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	348341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	365256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	171858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	127934	67.081	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.160%	
35) Dibromofluoromethane	7.716	113	112452	52.441	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.880%	
50) Toluene-d8	10.179	98	453039	58.138	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 116.280%	
62) 4-Bromofluorobenzene	12.477	95	161654	56.109	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.220%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.179	83	12775	3.415	ug/l	96
67) Ethyl Benzene	11.593	91	34224	2.478	ug/l	95
68) m/p-Xylenes	11.697	106	31071	5.910	ug/l	97
69) o-Xylene	12.026	106	13595	2.778	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	30748	2.935	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	49755	4.808	ug/l	99

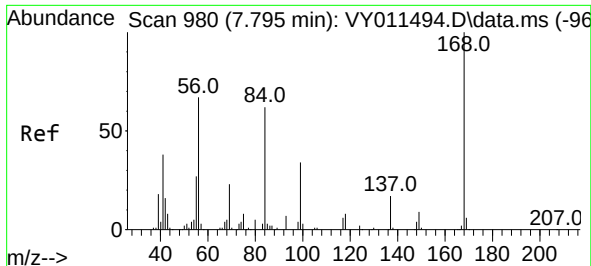
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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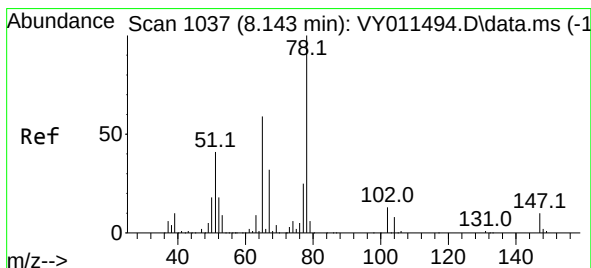
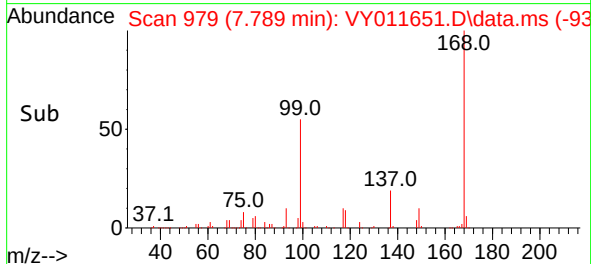
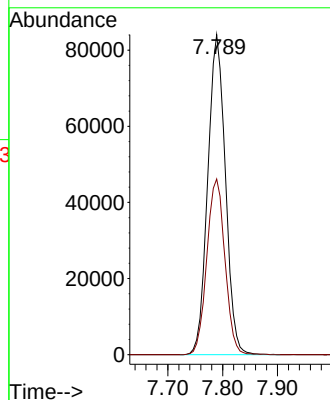
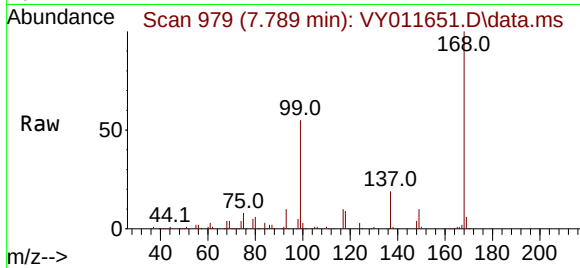




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

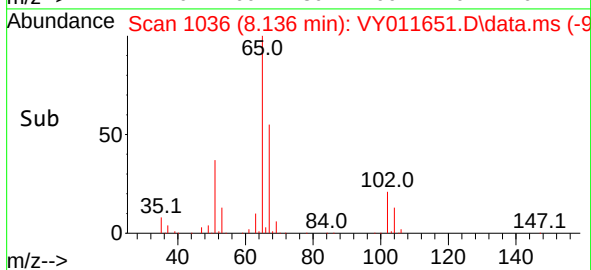
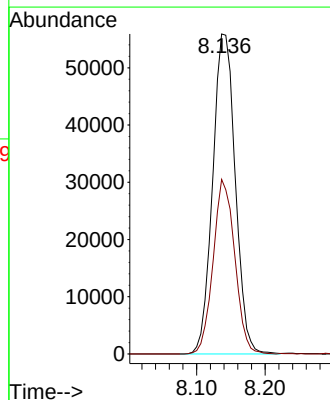
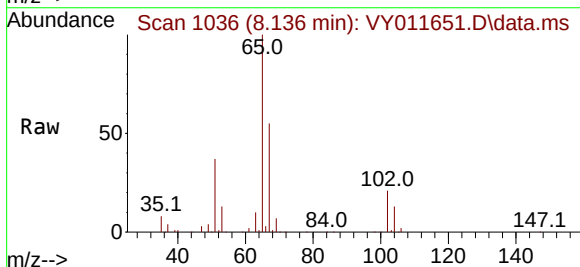
Instrument :
MSVOA_Y
ClientSampleId :
S2

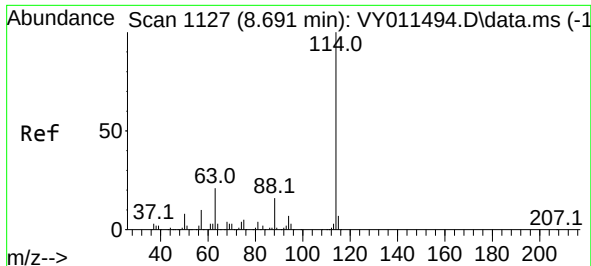
Tgt Ion:168 Resp: 187824
Ion Ratio Lower Upper
168 100
99 54.9 46.9 70.3



#33
1,2-Dichloroethane-d4
Concen: 67.081 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion: 65 Resp: 127934
Ion Ratio Lower Upper
65 100
67 52.2 0.0 99.4

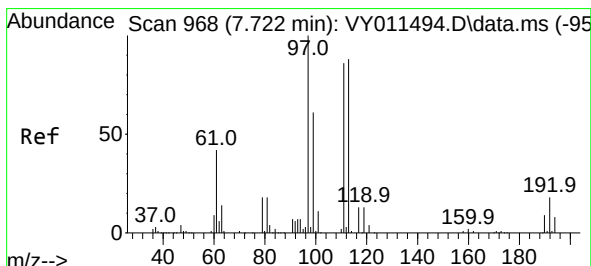
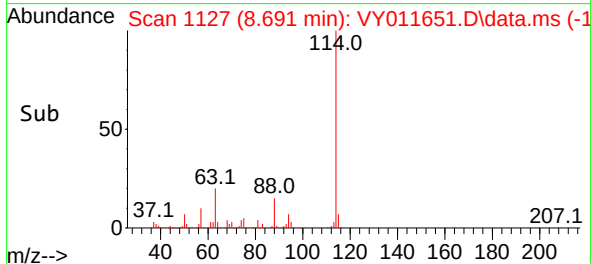
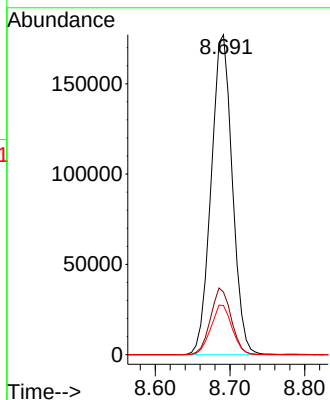
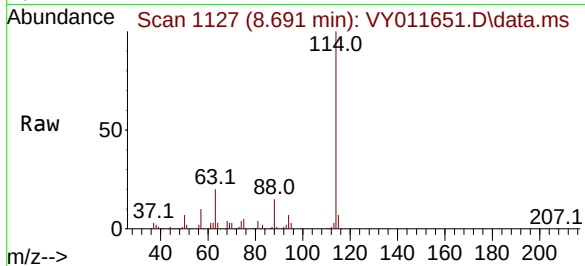




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

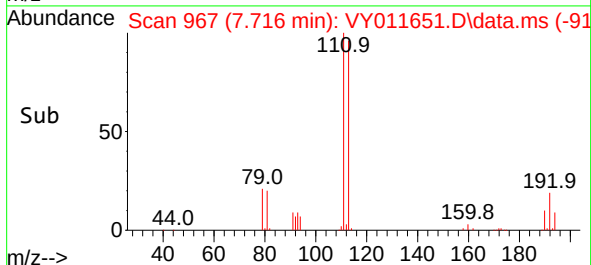
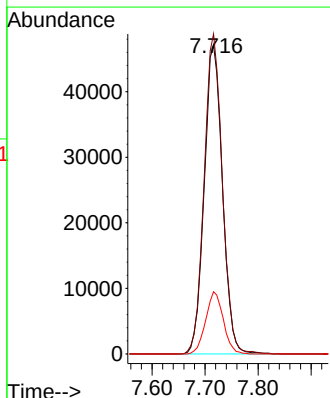
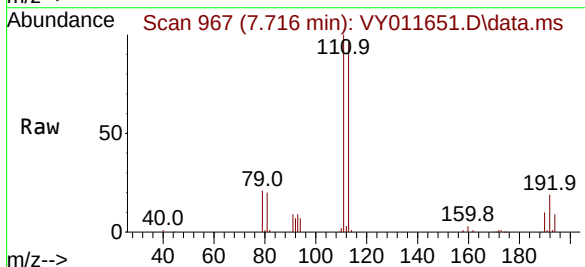
Instrument :
MSVOA_Y
ClientSampleId :
S2

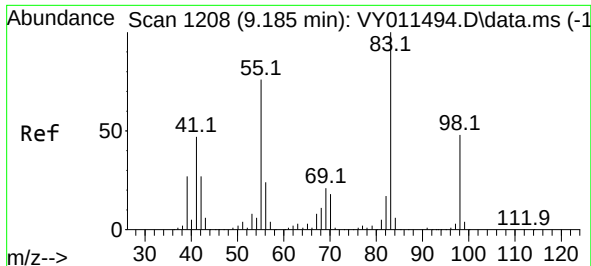
Tgt Ion:	114	Resp:	348341
Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	43.2
88	15.4	0.0	31.8



#35
Dibromofluoromethane
Concen: 52.441 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion:	113	Resp:	112452
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	124.0
192	19.5	17.6	26.4





#39

Methylcyclohexane

Concen: 3.415 ug/l

RT: 9.179 min Scan# 1207

Delta R.T. -0.006 min

Lab File: VY011651.D

Acq: 30 Nov 2022 19:10

Instrument :

MSVOA_Y

ClientSampleId :

S2

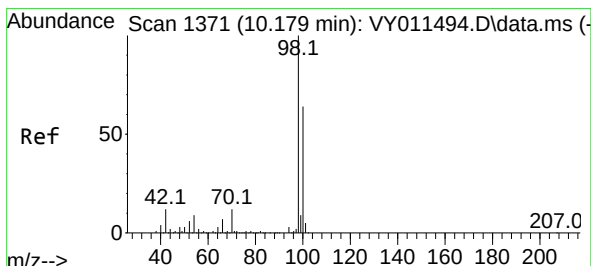
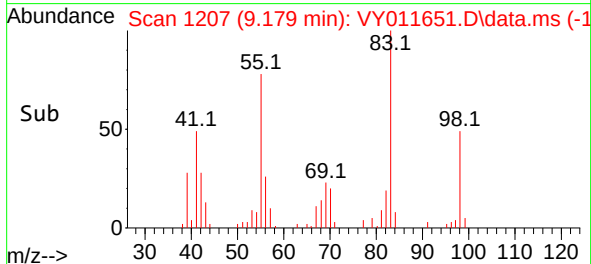
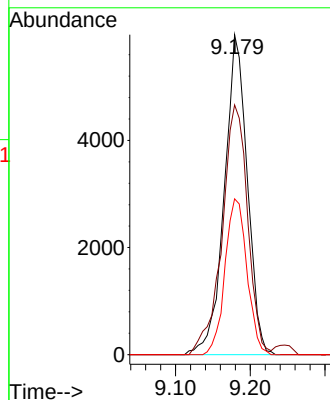
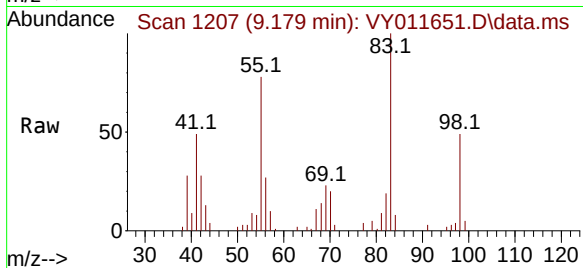
Tgt Ion: 83 Resp: 12775

Ion Ratio Lower Upper

83 100

55 78.1 66.5 99.7

98 48.7 37.9 56.9



#50

Toluene-d8

Concen: 58.138 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY011651.D

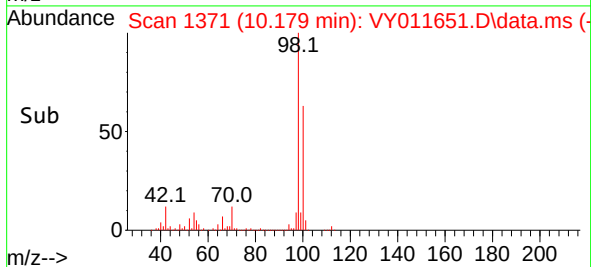
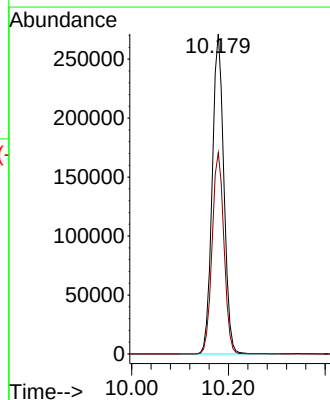
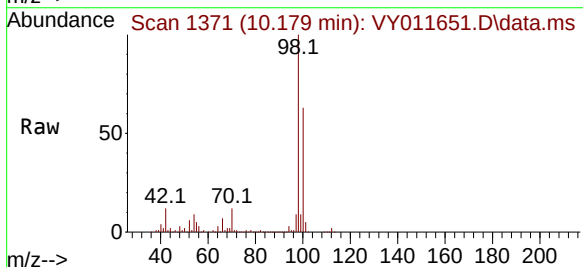
Acq: 30 Nov 2022 19:10

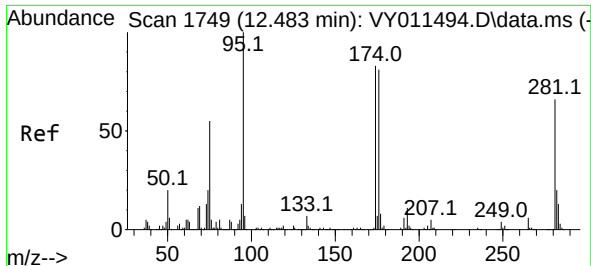
Tgt Ion: 98 Resp: 453039

Ion Ratio Lower Upper

98 100

100 63.9 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 56.109 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY011651.D

Acq: 30 Nov 2022 19:10

Instrument :

MSVOA_Y

ClientSampleId :

S2

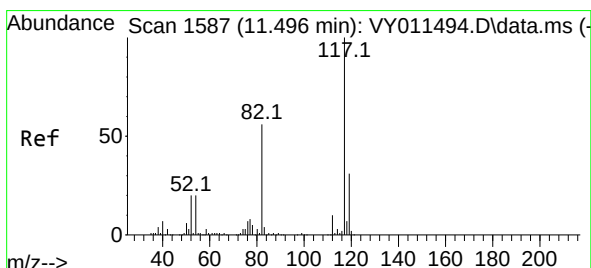
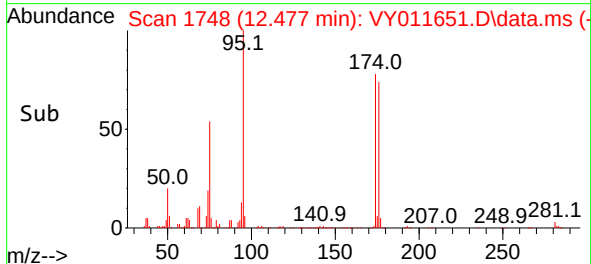
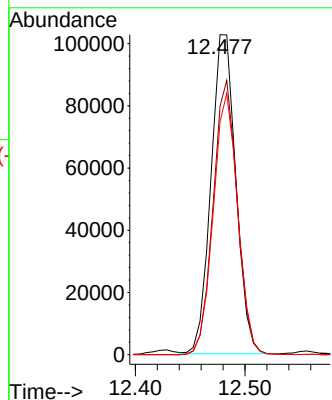
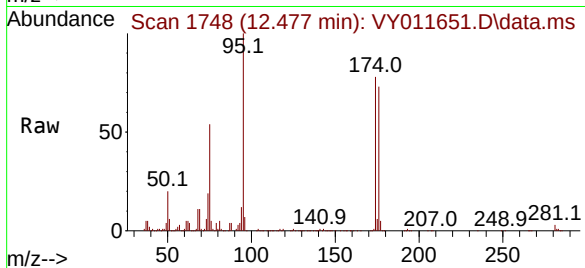
Tgt Ion: 95 Resp: 161654

Ion Ratio Lower Upper

95 100

174 84.0 0.0 177.0

176 80.6 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.006 min

Lab File: VY011651.D

Acq: 30 Nov 2022 19:10

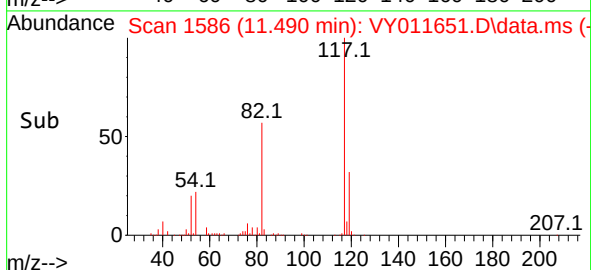
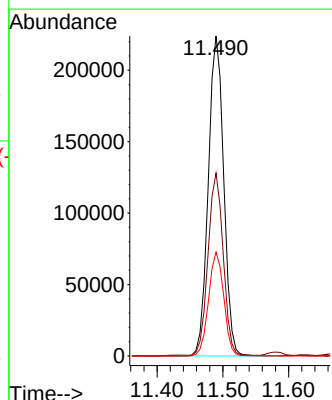
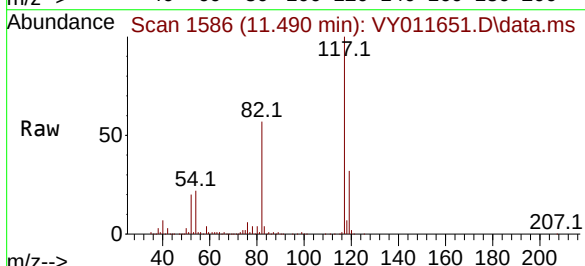
Tgt Ion: 117 Resp: 365256

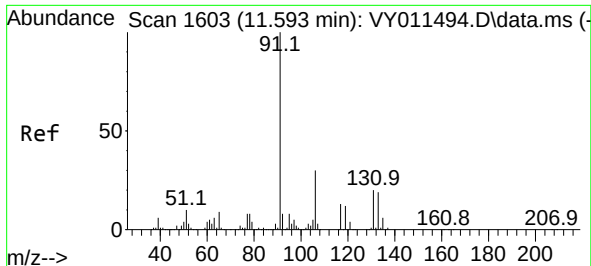
Ion Ratio Lower Upper

117 100

82 56.9 43.0 64.4

119 32.4 25.4 38.0





#67

Ethyl Benzene

Concen: 2.478 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY011651.D

Acq: 30 Nov 2022 19:10

Instrument :

MSVOA_Y

ClientSampleId :

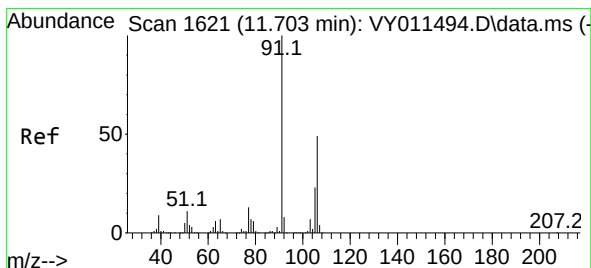
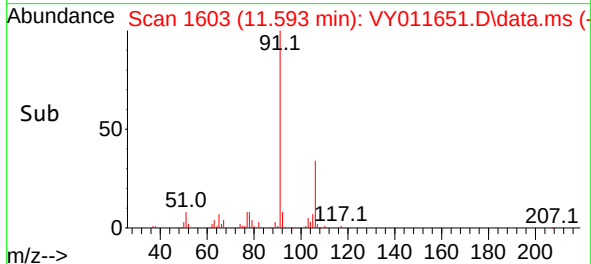
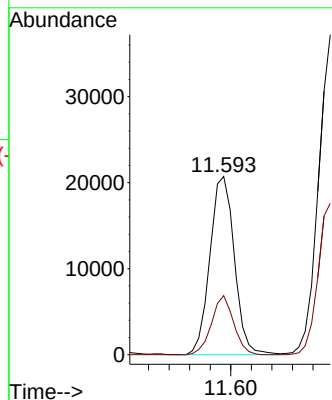
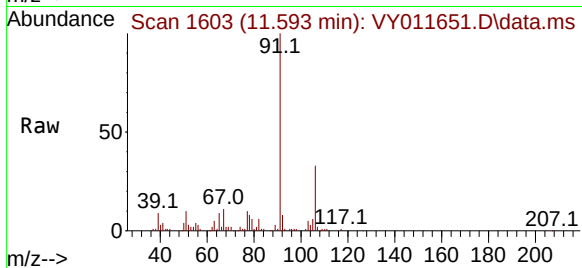
S2

Tgt Ion: 91 Resp: 34224

Ion Ratio Lower Upper

91 100

106 33.2 24.5 36.7



#68

m/p-Xylenes

Concen: 5.910 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY011651.D

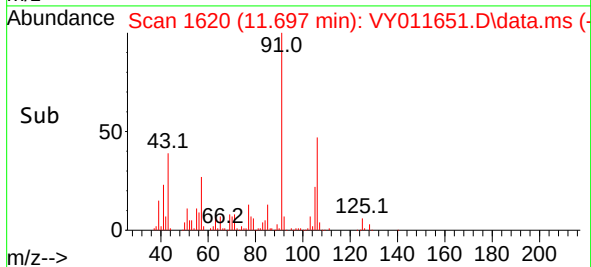
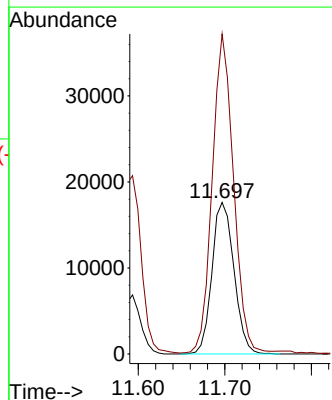
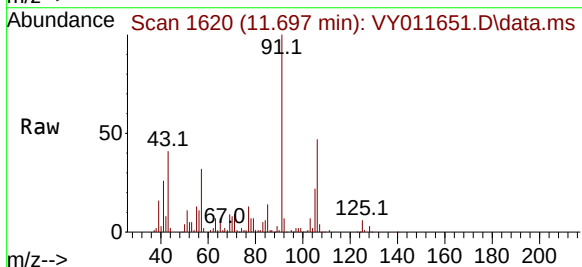
Acq: 30 Nov 2022 19:10

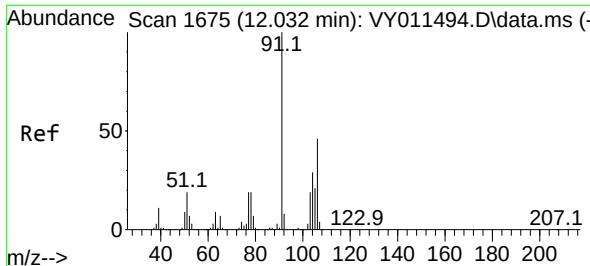
Tgt Ion: 106 Resp: 31071

Ion Ratio Lower Upper

106 100

91 203.2 166.6 249.8

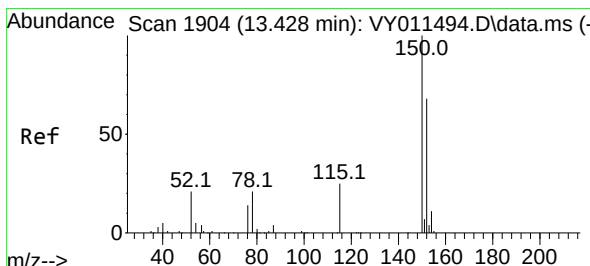
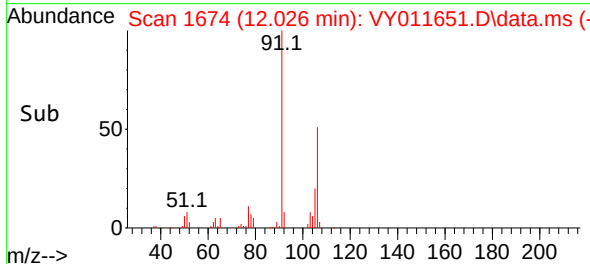
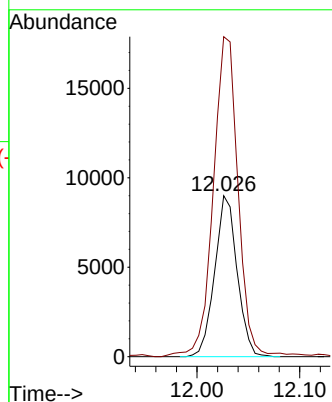
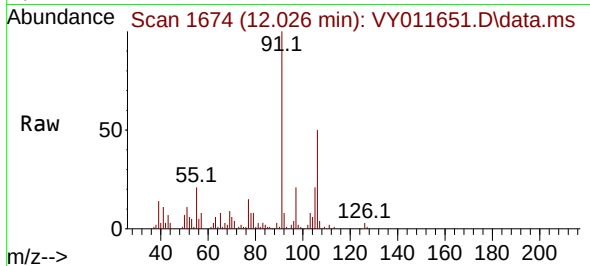




#69
o-Xylene
Concen: 2.778 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

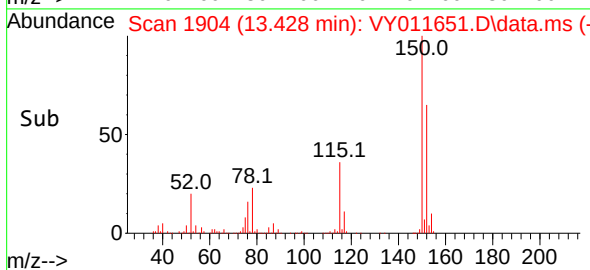
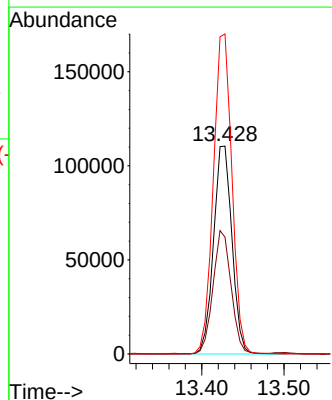
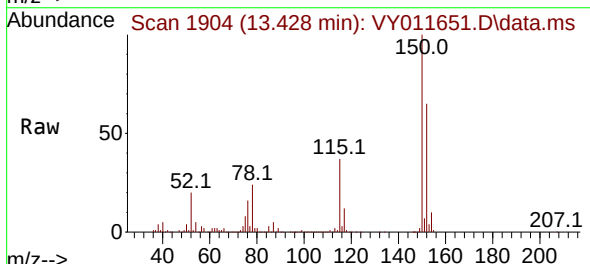
Instrument :
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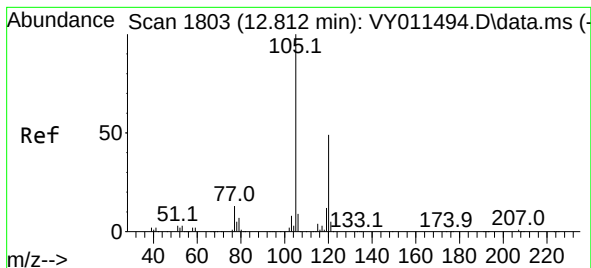
Tgt Ion:106 Resp: 13595
Ion Ratio Lower Upper
106 100
91 220.7 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion:152 Resp: 171858
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 155.3 0.0 347.6





#80

1,3,5-Trimethylbenzene

Concen: 2.935 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY011651.D

Acq: 30 Nov 2022 19:10

Instrument :

MSVOA_Y

ClientSampleId :

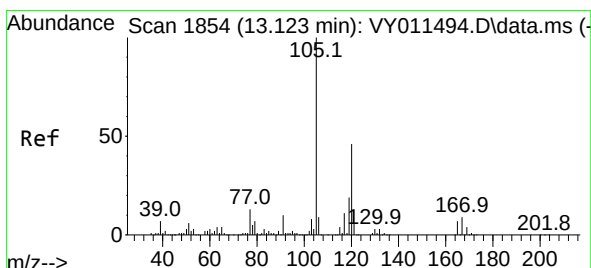
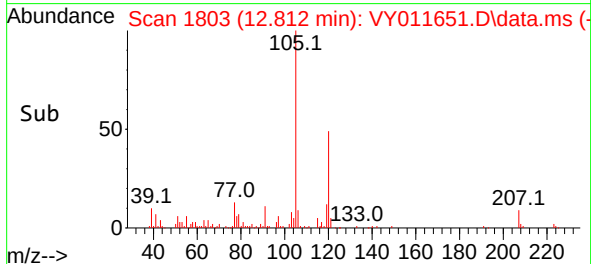
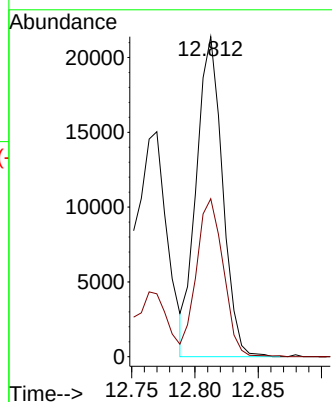
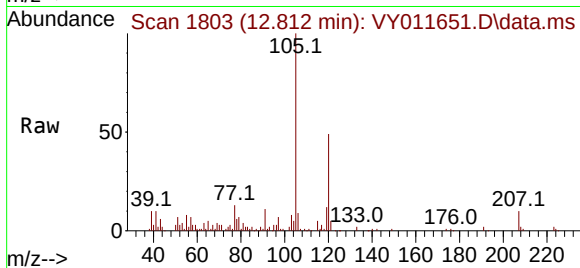
S2

Tgt Ion:105 Resp: 30748

Ion Ratio Lower Upper

105 100

120 50.9 24.4 73.4



#84

1,2,4-Trimethylbenzene

Concen: 4.808 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY011651.D

Acq: 30 Nov 2022 19:10

Tgt Ion:105 Resp: 49755

Ion Ratio Lower Upper

105 100

120 45.0 22.3 66.9

