

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071624\
 Data File : VY018838.D
 Acq On : 16 Jul 2024 18:04
 Operator : SY/MD
 Sample : P3224-25
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 356STEVEN-13

Quant Time: Jul 17 01:59:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

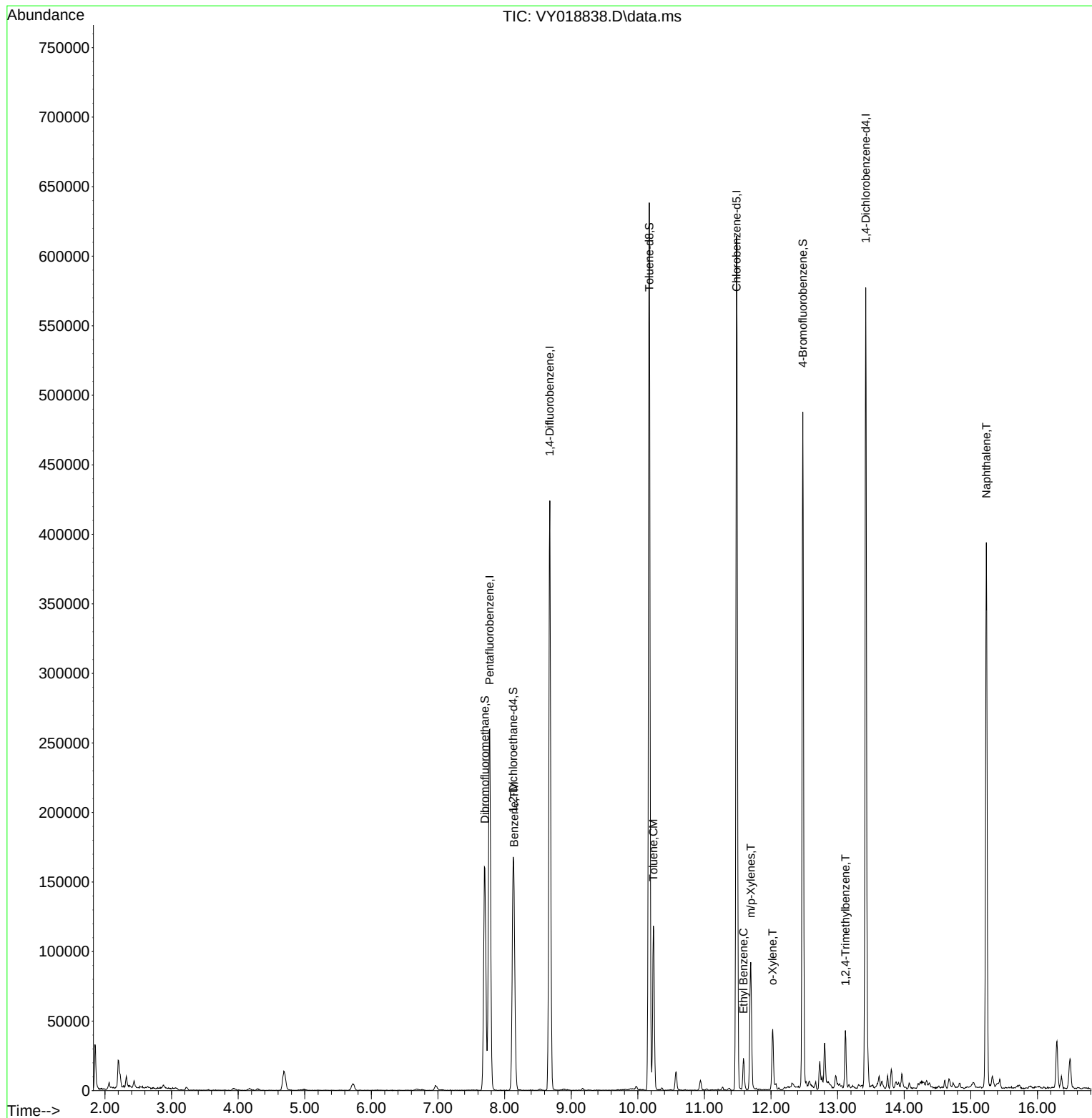
Internal Standards						
1) Pentafluorobenzene	7.777	168	208366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	360236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	330295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	146252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	103642	50.548	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.100%			
35) Dibromofluoromethane	7.704	113	109719	48.629	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.260%			
50) Toluene-d8	10.173	98	407400	47.661	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.320%			
62) 4-Bromofluorobenzene	12.477	95	138095	47.306	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.620%			
Target Compounds					Qvalue	
40) Benzene	8.143	78	67080	7.427	ug/l	96
52) Toluene	10.234	92	50006	8.330	ug/l	98
67) Ethyl Benzene	11.587	91	15308	1.254	ug/l	90
68) m/p-Xylenes	11.697	106	27032	5.644	ug/l	96
69) o-Xylene	12.026	106	11034	2.450	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	22701	2.608	ug/l	98
95) Naphthalene	15.233	128	311994	68.722	ug/l	99

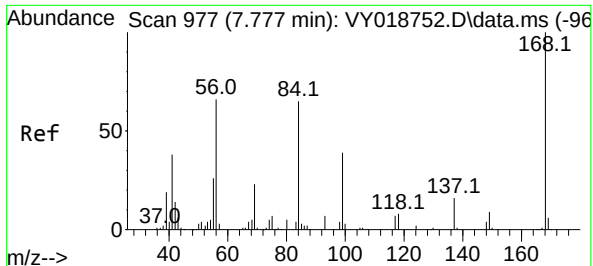
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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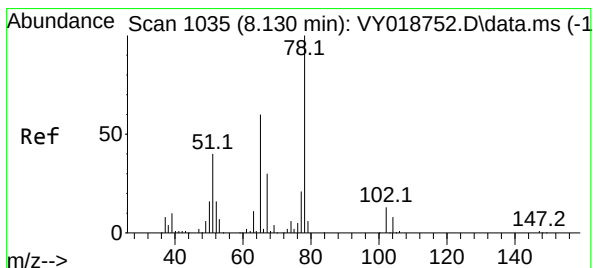
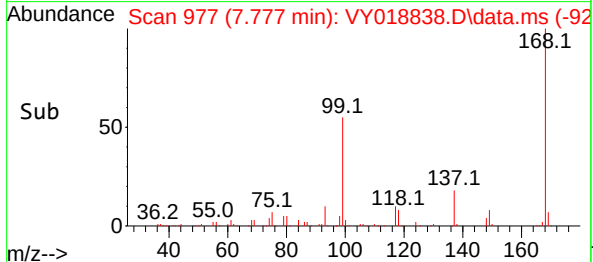
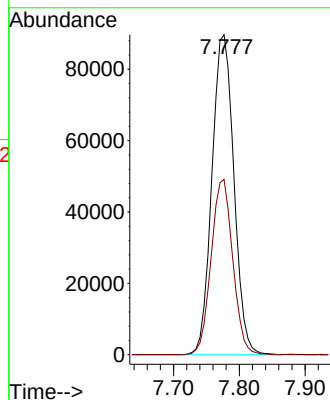
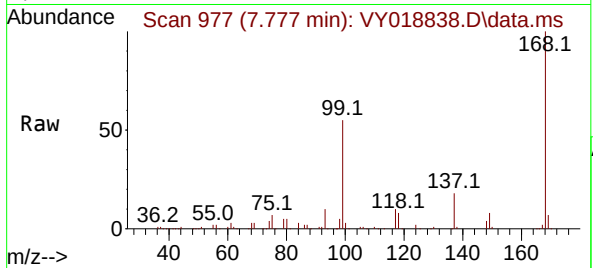




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

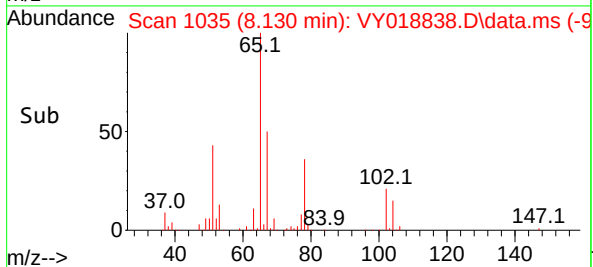
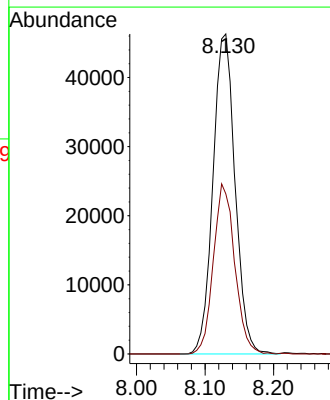
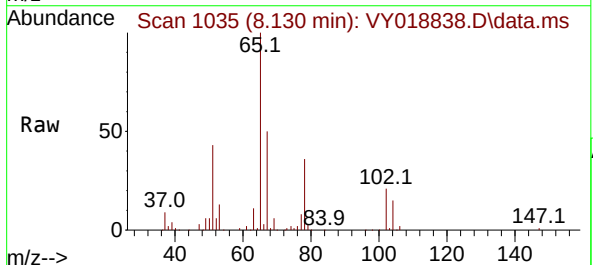
Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-13

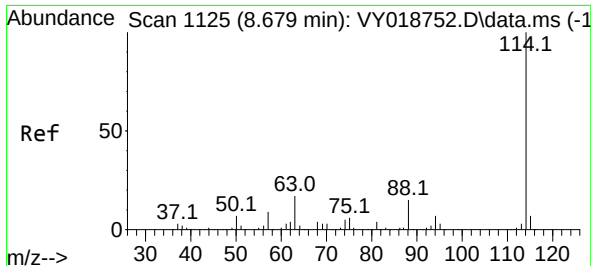
Tgt Ion:168 Resp: 208366
Ion Ratio Lower Upper
168 100
99 54.8 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 50.548 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

Tgt Ion: 65 Resp: 103642
Ion Ratio Lower Upper
65 100
67 51.4 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VY018838.D

Acq: 16 Jul 2024 18:04

Instrument :

MSVOA_Y

ClientSampleId :

356STEVEN-13

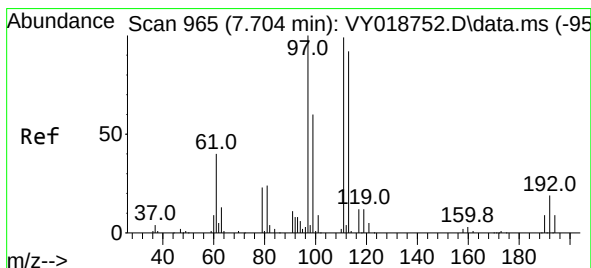
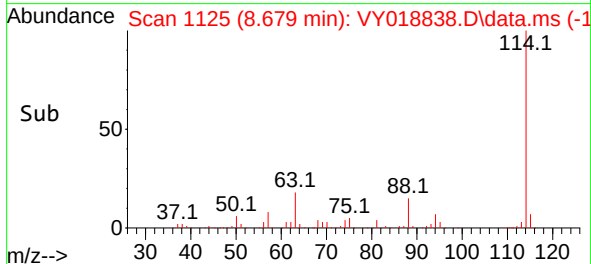
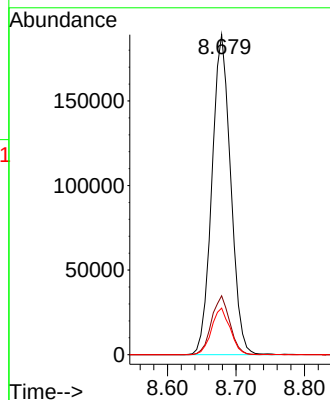
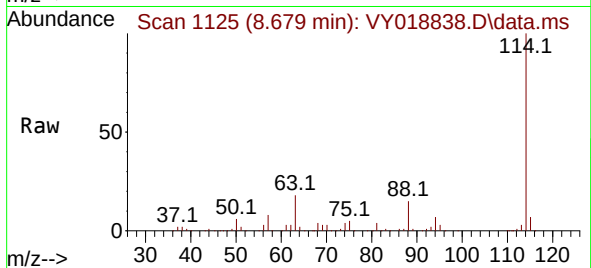
Tgt Ion:114 Resp: 360236

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.0

88 14.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.629 ug/l

RT: 7.704 min Scan# 965

Delta R.T. -0.000 min

Lab File: VY018838.D

Acq: 16 Jul 2024 18:04

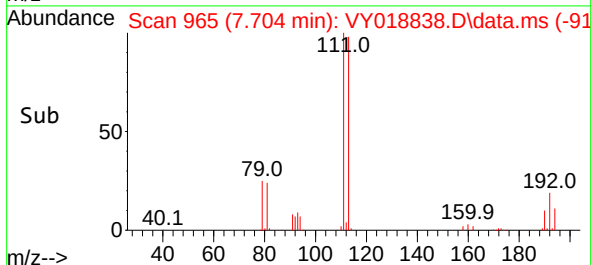
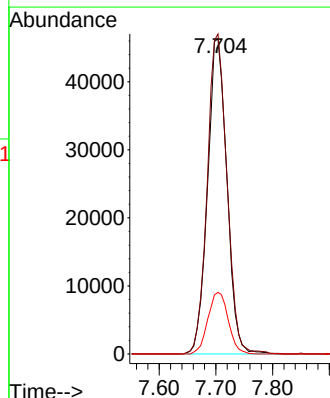
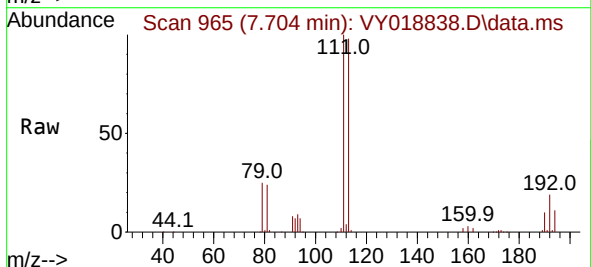
Tgt Ion:113 Resp: 109719

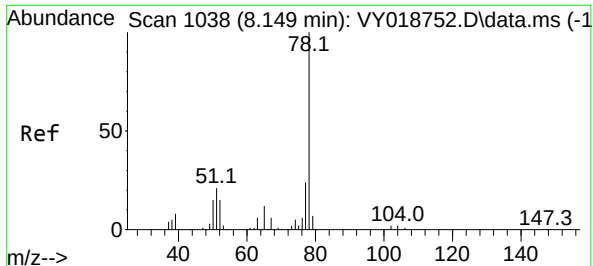
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 20.5 15.9 23.9

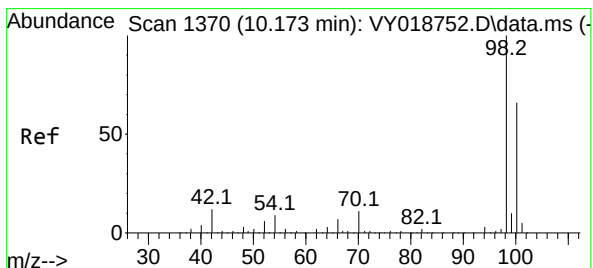
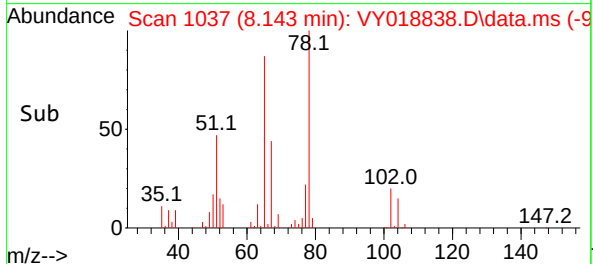
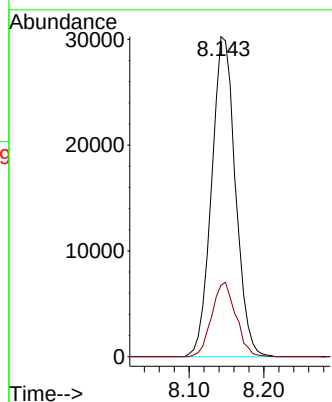
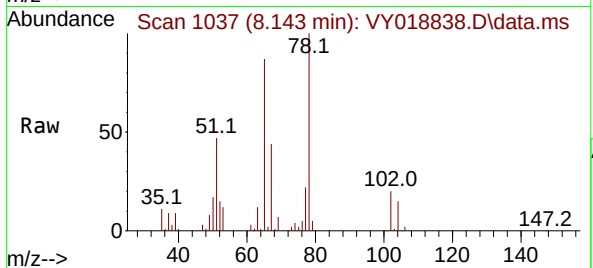




#40
Benzene
Concen: 7.427 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

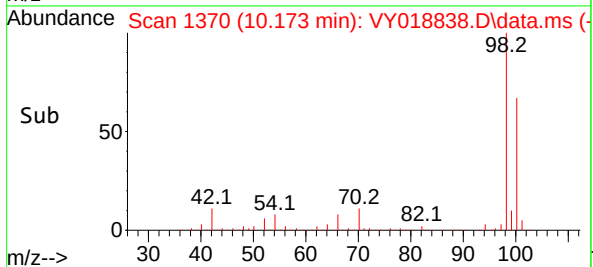
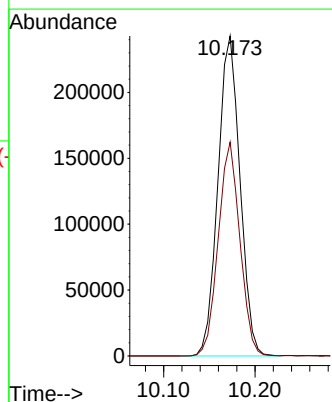
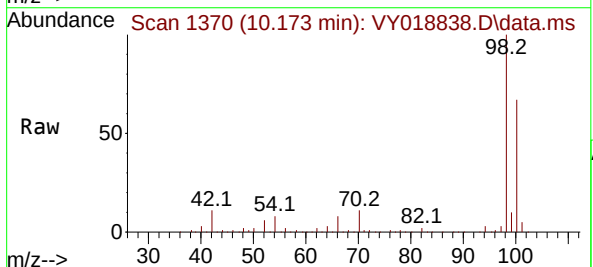
Instrument :
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356STEVEN-13

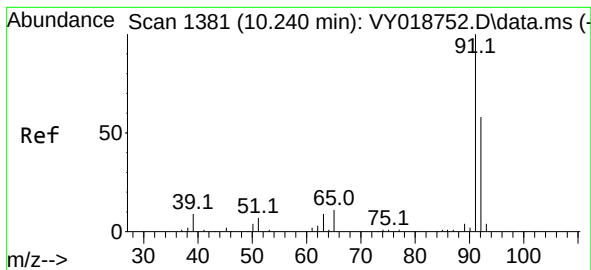
Tgt Ion: 78 Resp: 67080
Ion Ratio Lower Upper
78 100
77 22.4 19.5 29.3



#50
Toluene-d8
Concen: 47.661 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

Tgt Ion: 98 Resp: 407400
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0





#52

Toluene

Concen: 8.330 ug/l

RT: 10.234 min Scan# 1380

Delta R.T. -0.006 min

Lab File: VY018838.D

Acq: 16 Jul 2024 18:04

Instrument :

MSVOA_Y

ClientSampleId :

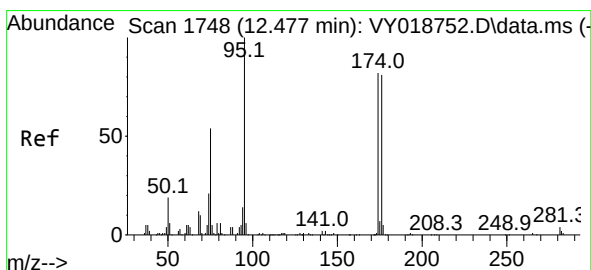
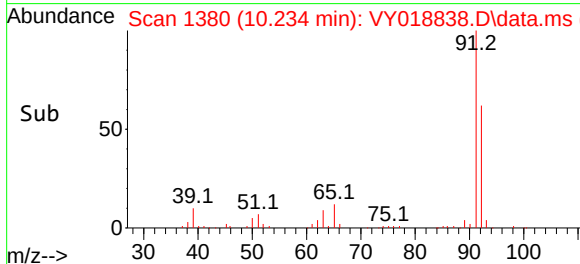
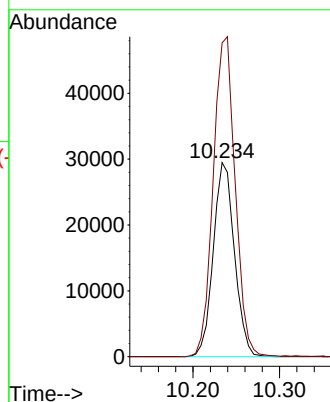
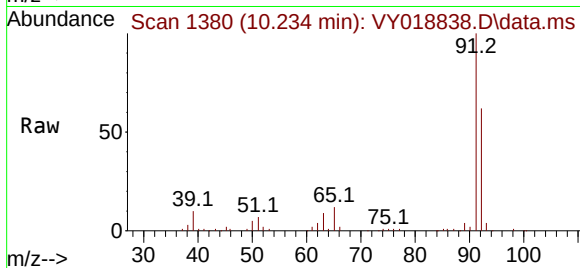
356STEVEN-13

Tgt Ion: 92 Resp: 50006

Ion Ratio Lower Upper

92 100

91 171.2 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 47.306 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY018838.D

Acq: 16 Jul 2024 18:04

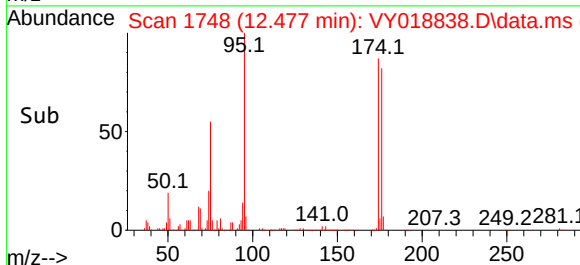
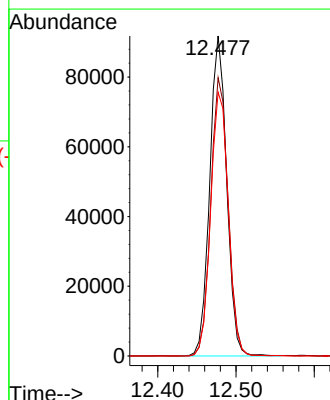
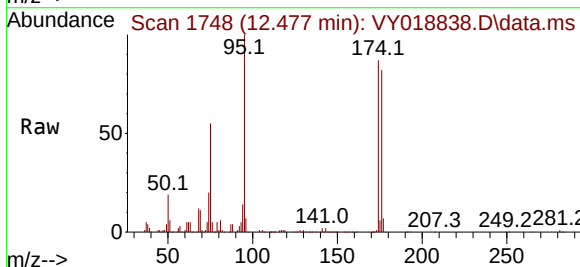
Tgt Ion: 95 Resp: 138095

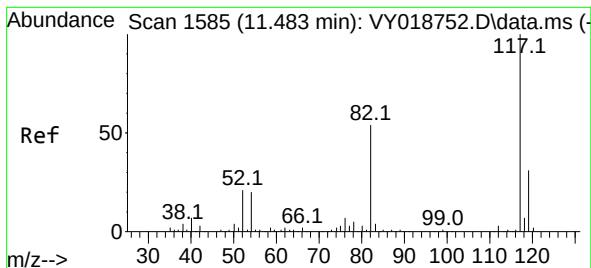
Ion Ratio Lower Upper

95 100

174 89.0 0.0 175.6

176 85.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018838.D

Acq: 16 Jul 2024 18:04

Instrument :

MSVOA_Y

ClientSampleId :

356STEVEN-13

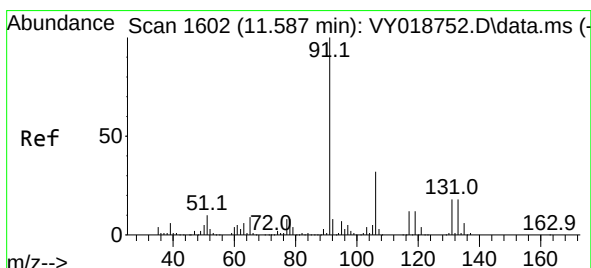
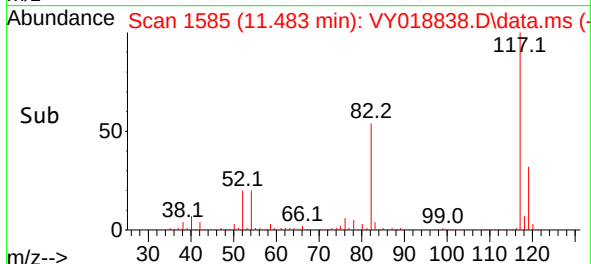
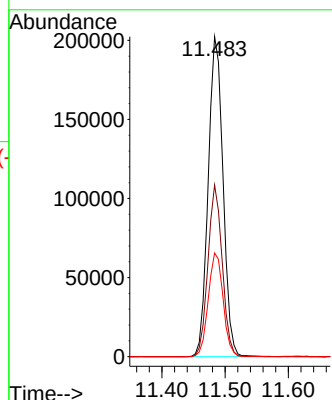
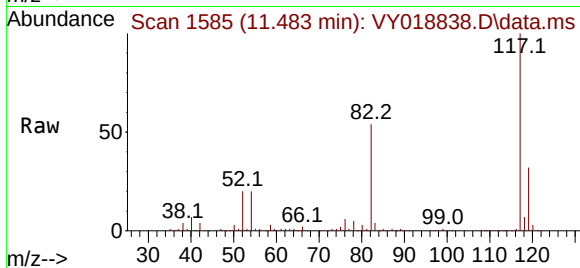
Tgt Ion:117 Resp: 330295

Ion Ratio Lower Upper

117 100

82 53.6 42.4 63.6

119 32.4 25.9 38.9



#67

Ethyl Benzene

Concen: 1.254 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VY018838.D

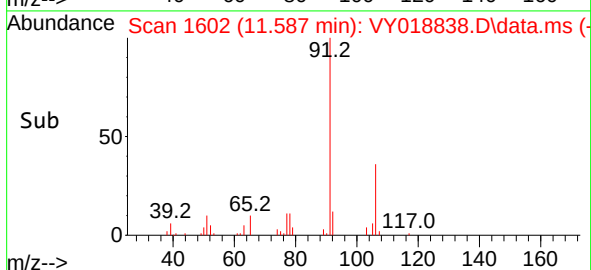
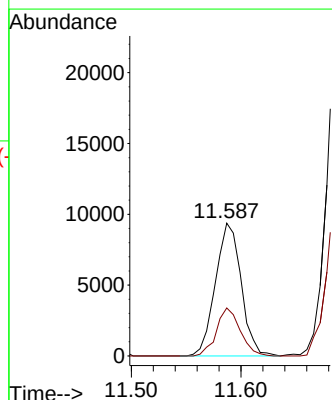
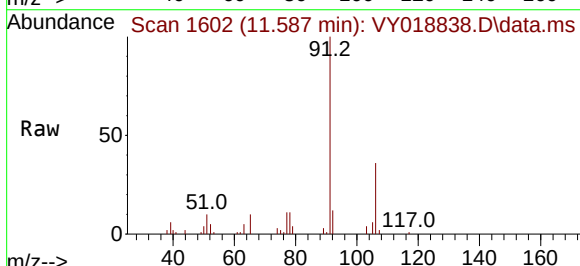
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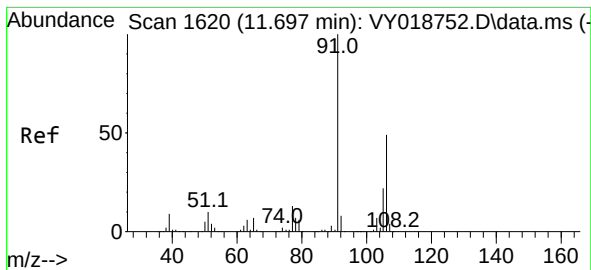
Tgt Ion: 91 Resp: 15308

Ion Ratio Lower Upper

91 100

106 36.2 24.5 36.7

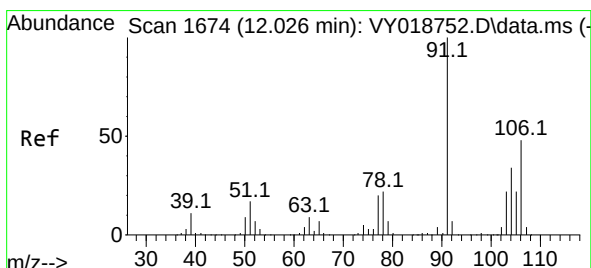
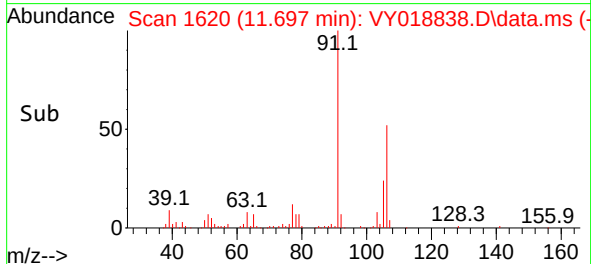
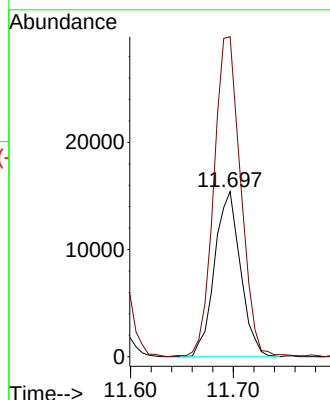
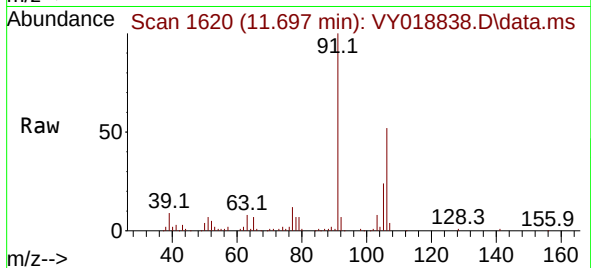




#68
m/p-Xylenes
Concen: 5.644 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

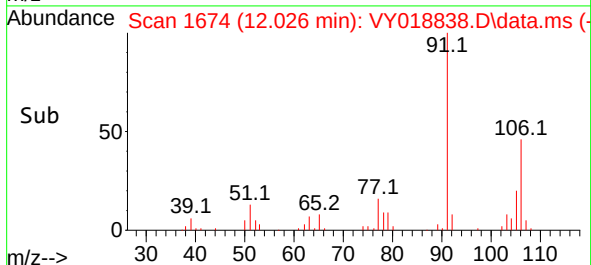
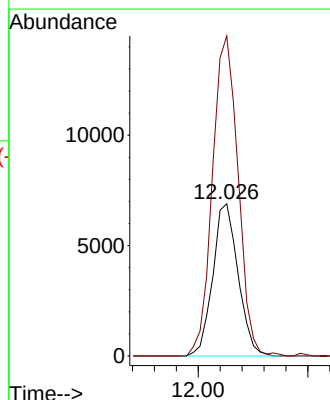
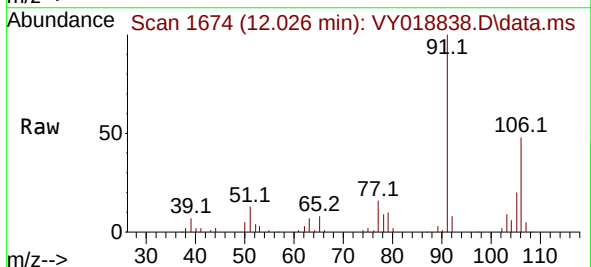
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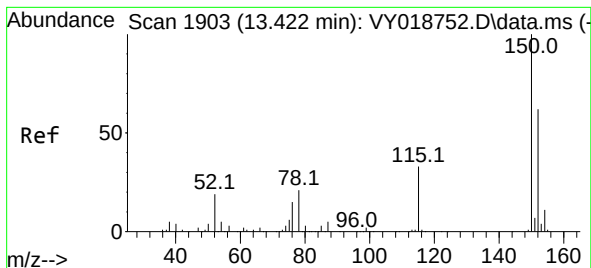
Tgt Ion:106 Resp: 27032
Ion Ratio Lower Upper
106 100
91 201.0 156.0 234.0



#69
o-Xylene
Concen: 2.450 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

Tgt Ion:106 Resp: 11034
Ion Ratio Lower Upper
106 100
91 213.2 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY018838.D

Acq: 16 Jul 2024 18:04

Instrument :

MSVOA_Y

ClientSampleId :

356STEVEN-13

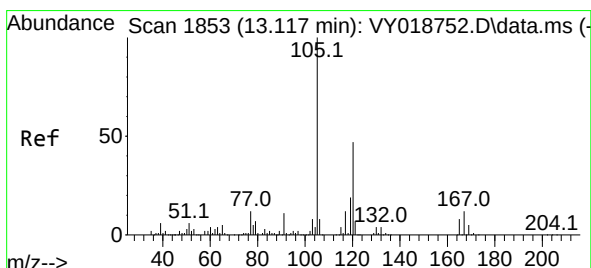
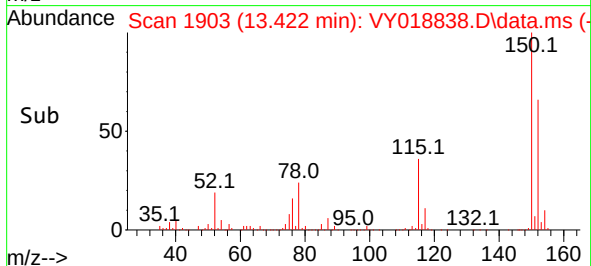
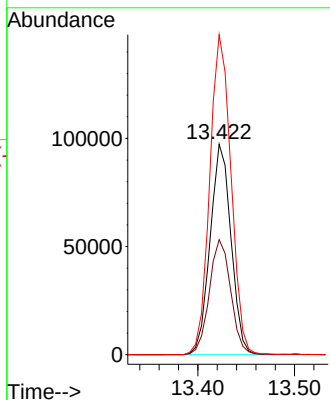
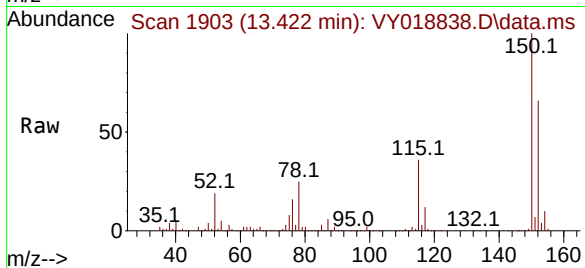
Tgt Ion:152 Resp: 146252

Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.7

150 154.5 0.0 345.6



#84

1,2,4-Trimethylbenzene

Concen: 2.608 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY018838.D

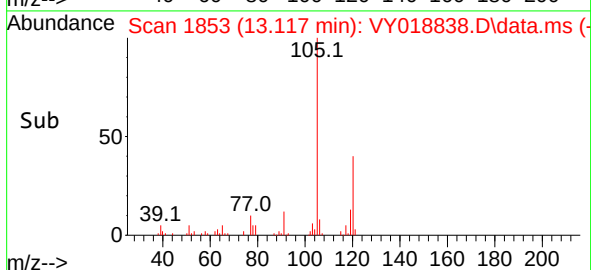
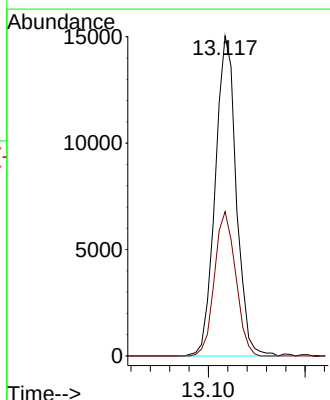
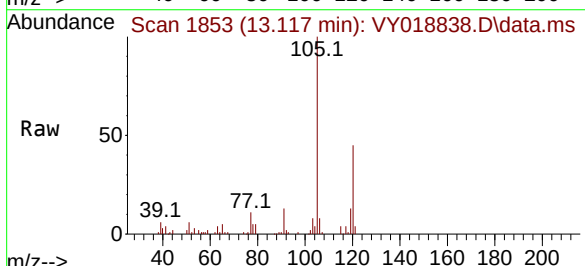
Acq: 16 Jul 2024 18:04

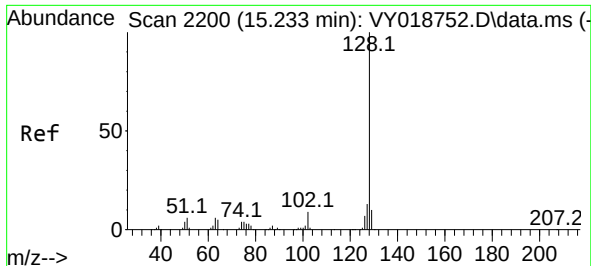
Tgt Ion:105 Resp: 22701

Ion Ratio Lower Upper

105 100

120 45.4 23.2 69.6





#95

Naphthalene

Concen: 68.722 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY018838.D

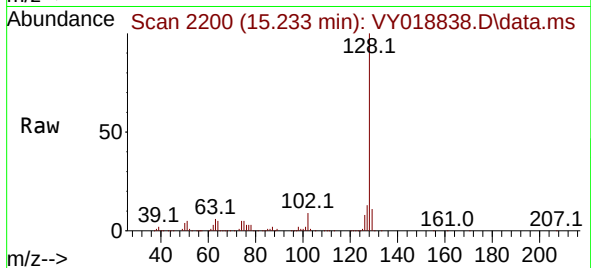
Acq: 16 Jul 2024 18:04

Instrument :

MSVOA_Y

ClientSampleId :

356STEVEN-13



Tgt Ion:128 Resp: 311994

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 11.0 8.6 13.0

