

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071724\
 Data File : VY018854.D
 Acq On : 17 Jul 2024 18:11
 Operator : SY/MD
 Sample : P3224-13RE
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 400STEVEN-4RE

Quant Time: Jul 18 01:30:37 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)

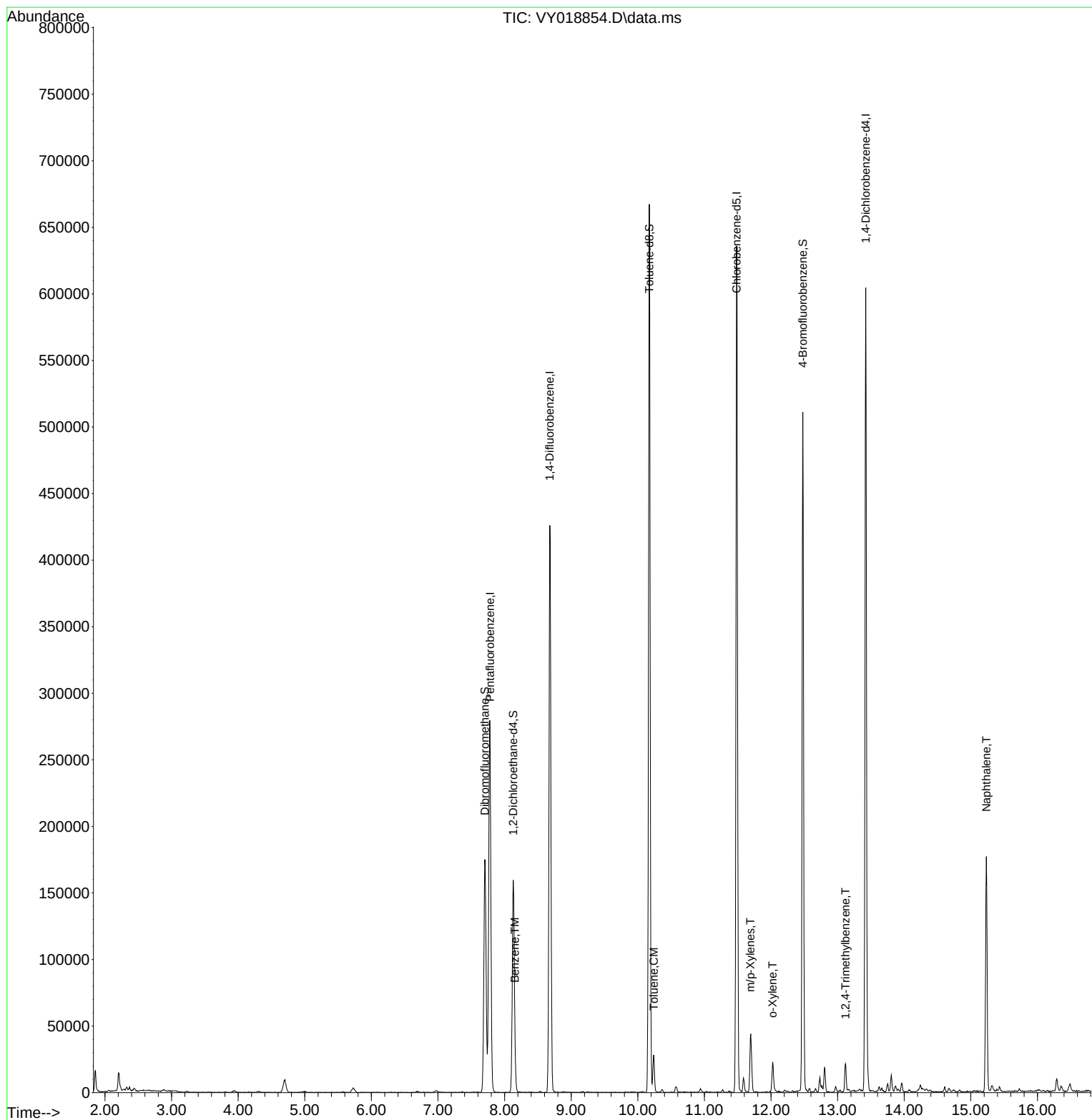
Internal Standards						
1) Pentafluorobenzene	7.783	168	217295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	375589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	346125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	152996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	119007	55.657	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.320%
35) Dibromofluoromethane	7.703	113	119557	50.824	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.640%
50) Toluene-d8	10.172	98	422208	47.374	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.740%
62) 4-Bromofluorobenzene	12.477	95	147692	48.526	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.060%
Target Compounds						
						Qvalue
40) Benzene	8.155	78	10206	1.084	ug/l	93
52) Toluene	10.239	92	11368	1.816	ug/l	95
68) m/p-Xylenes	11.690	106	12151	2.421	ug/l	90
69) o-Xylene	12.026	106	5657	1.199	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	12593	1.383	ug/l	92
95) Naphthalene	15.232	128	144037	30.328	ug/l	99

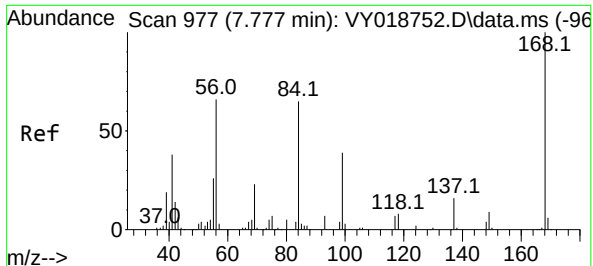
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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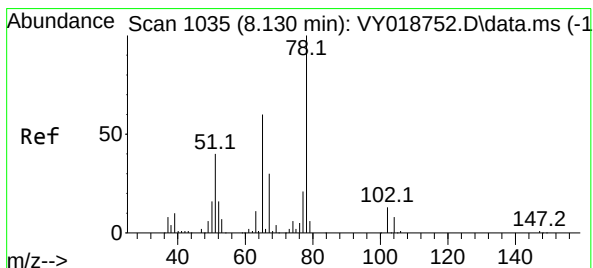
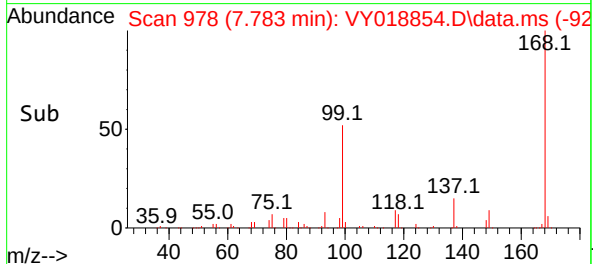
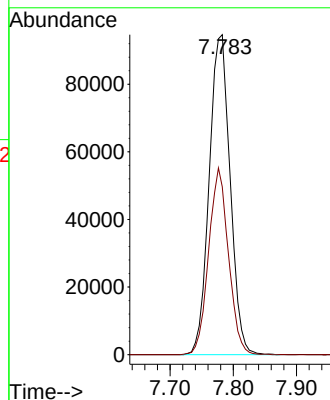
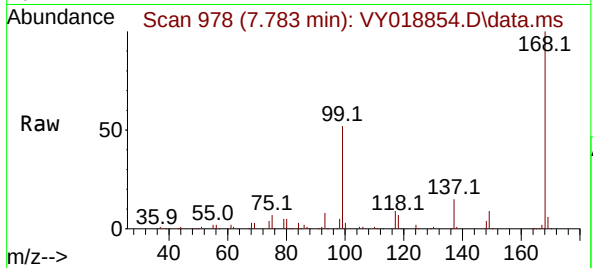




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018854.D
Acq: 17 Jul 2024 18:11

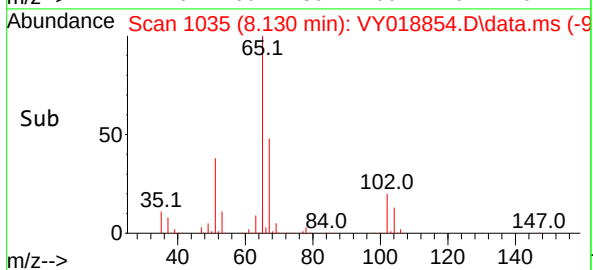
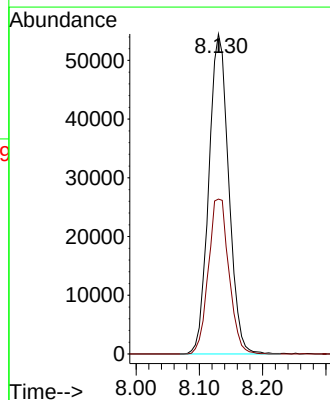
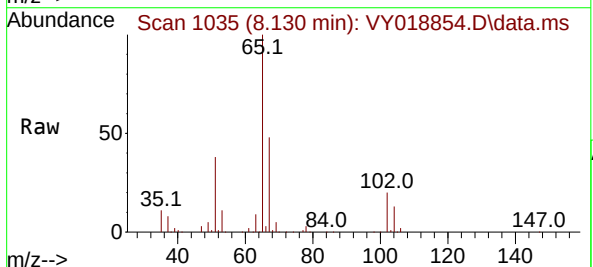
Instrument :
MSVOA_Y
ClientSampleId :
400STEVEN-4RE

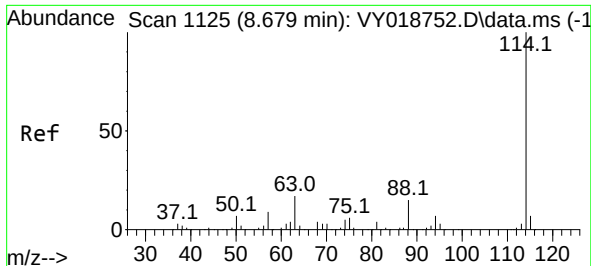
Tgt Ion:168 Resp: 217295
Ion Ratio Lower Upper
168 100
99 52.4 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 55.657 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VY018854.D
Acq: 17 Jul 2024 18:11

Tgt Ion: 65 Resp: 119007
Ion Ratio Lower Upper
65 100
67 50.0 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: VY018854.D

Acq: 17 Jul 2024 18:11

Instrument :

MSVOA_Y

ClientSampleId :

400STEVEN-4RE

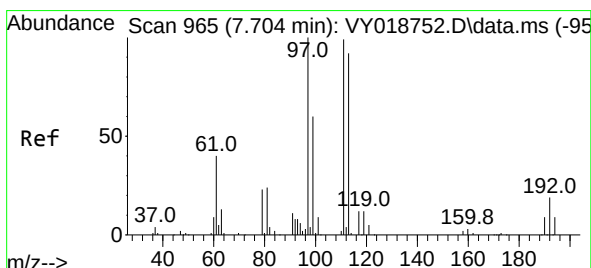
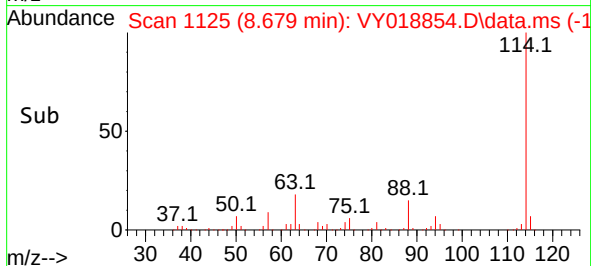
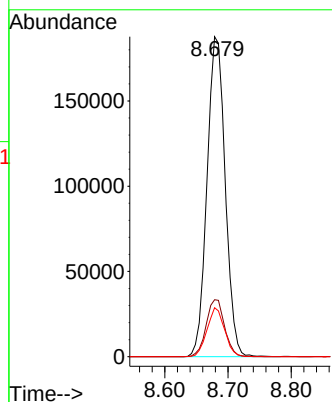
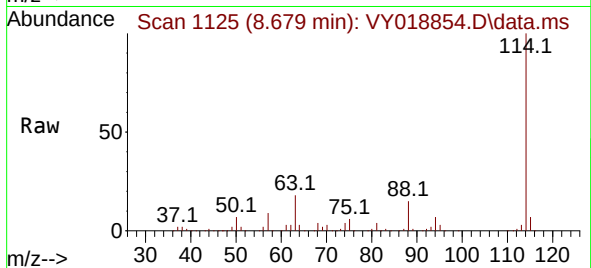
Tgt Ion:114 Resp: 375589

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

88 15.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.824 ug/l

RT: 7.703 min Scan# 965

Delta R.T. -0.000 min

Lab File: VY018854.D

Acq: 17 Jul 2024 18:11

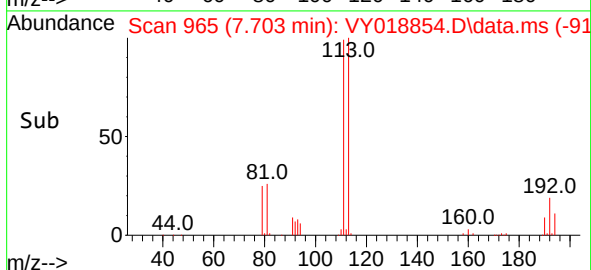
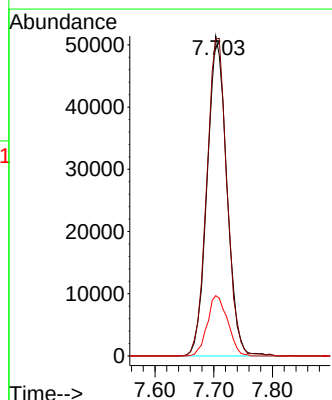
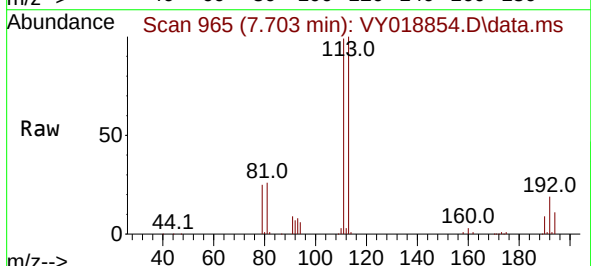
Tgt Ion:113 Resp: 119557

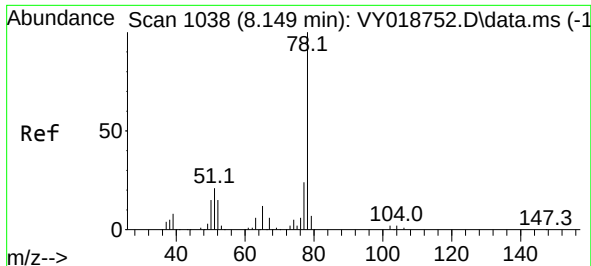
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

192 19.5 15.9 23.9

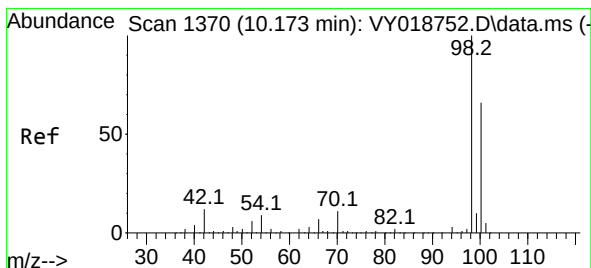
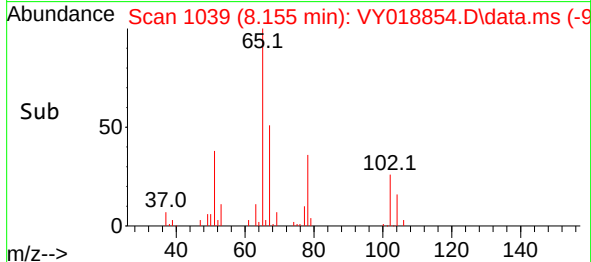
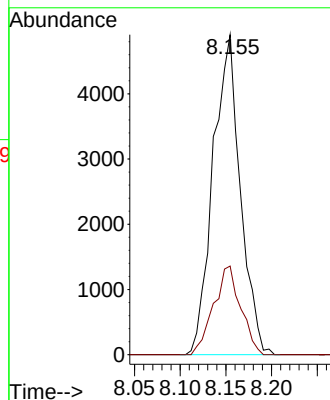
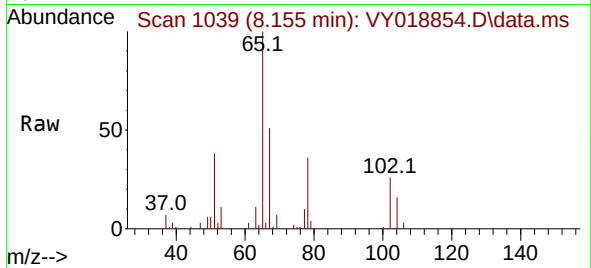




#40
Benzene
Concen: 1.084 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY018854.D
Acq: 17 Jul 2024 18:11

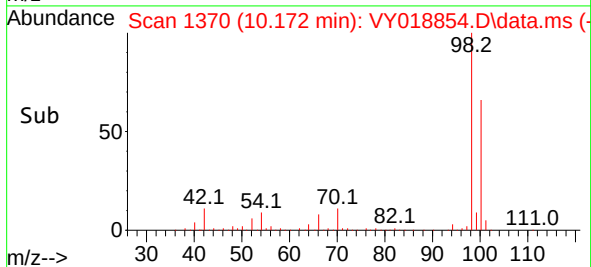
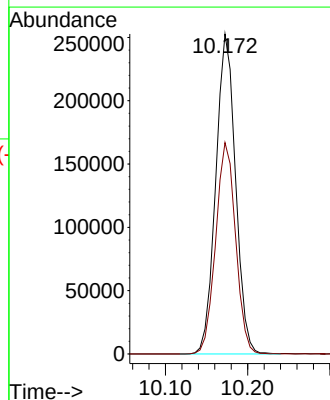
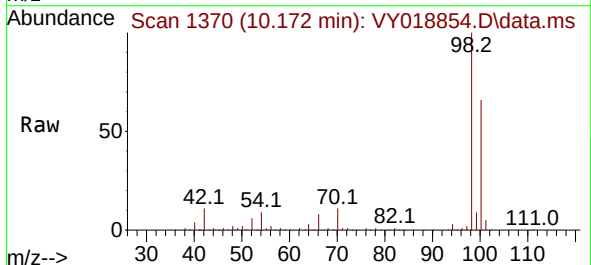
Instrument :
MSVOA_Y
ClientSampleId :
400STEVEN-4RE

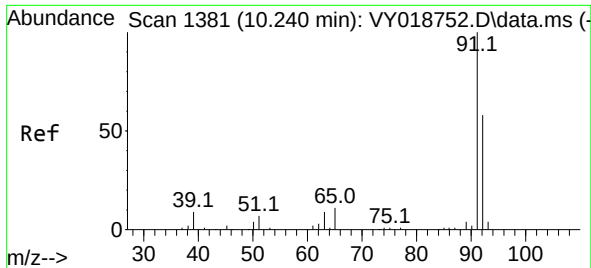
Tgt Ion: 78 Resp: 10206
Ion Ratio Lower Upper
78 100
77 27.7 19.5 29.3



#50
Toluene-d8
Concen: 47.374 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY018854.D
Acq: 17 Jul 2024 18:11

Tgt Ion: 98 Resp: 422208
Ion Ratio Lower Upper
98 100
100 66.5 52.0 78.0

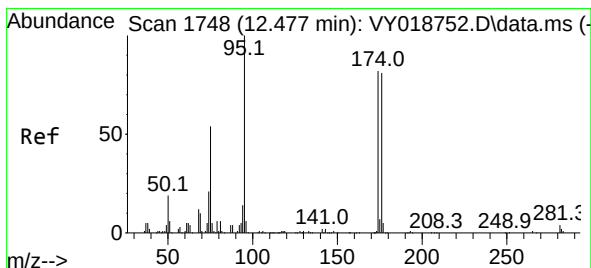
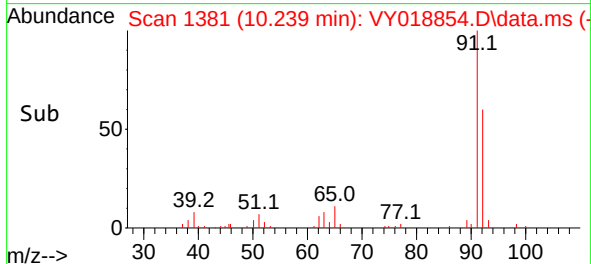
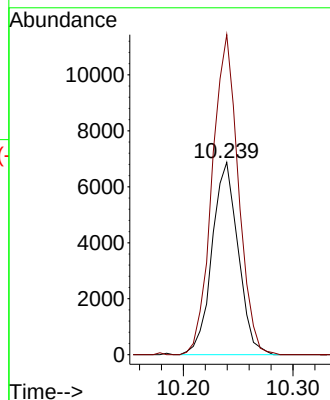
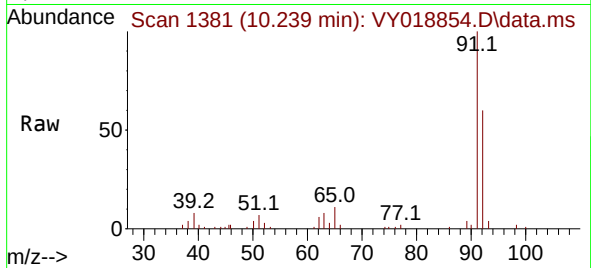




#52
Toluene
Concen: 1.816 ug/l
RT: 10.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018854.D
Acq: 17 Jul 2024 18:11

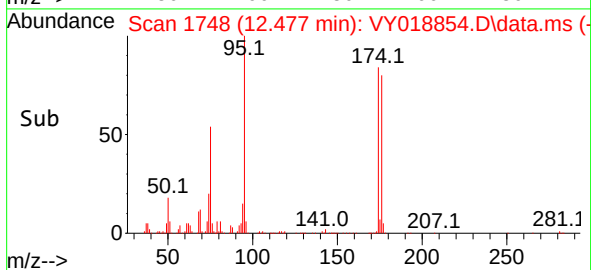
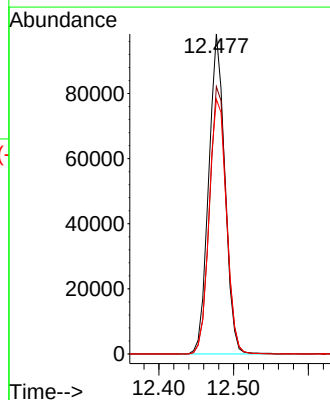
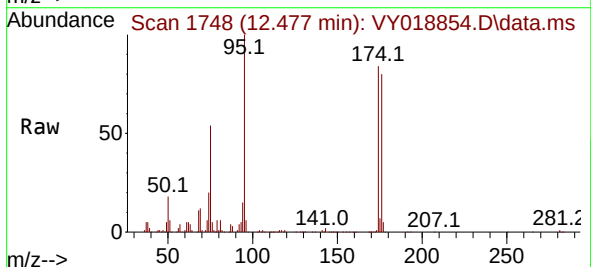
Instrument :
MSVOA_Y
ClientSampleId :
400STEVEN-4RE

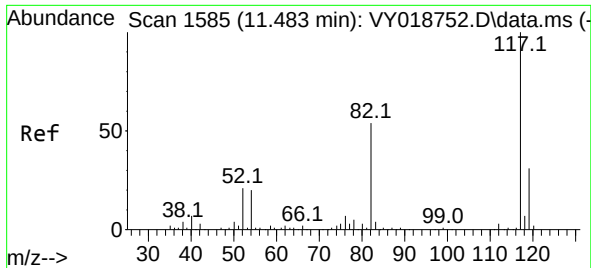
Tgt Ion: 92 Resp: 11368
Ion Ratio Lower Upper
92 100
91 167.2 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 48.526 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY018854.D
Acq: 17 Jul 2024 18:11

Tgt Ion: 95 Resp: 147692
Ion Ratio Lower Upper
95 100
174 87.2 0.0 175.6
176 85.2 0.0 171.4

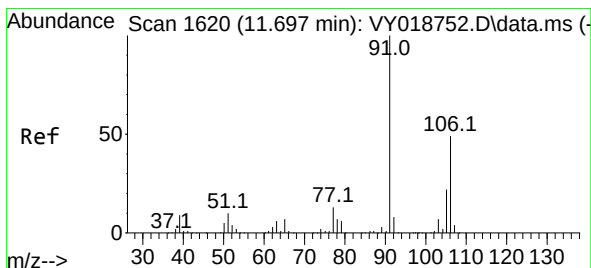
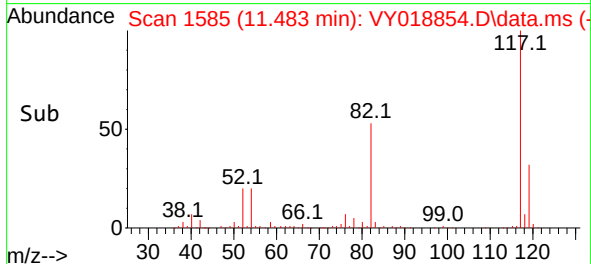
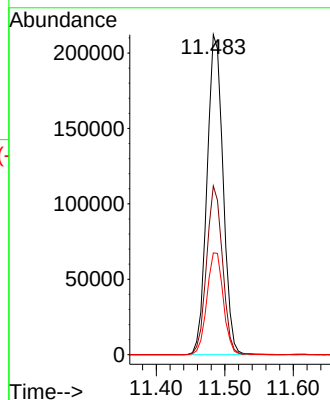
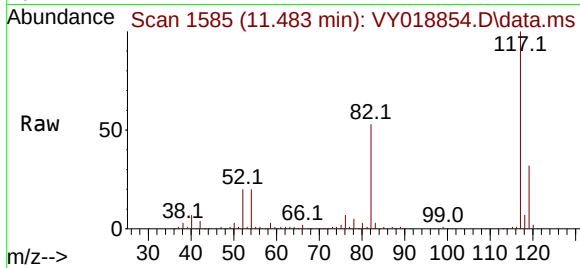




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018854.D
Acq: 17 Jul 2024 18:11

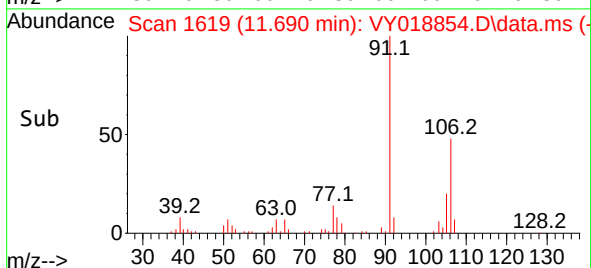
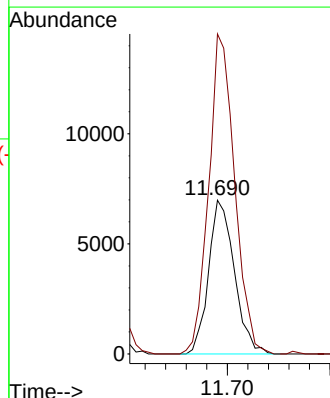
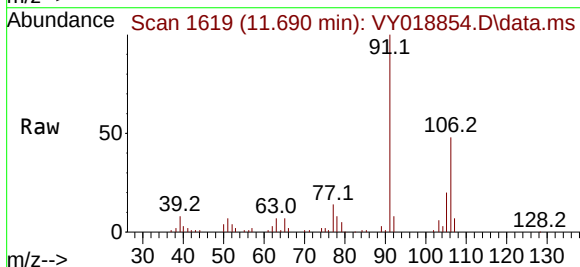
Instrument :
MSVOA_Y
ClientSampleId :
400STEVEN-4RE

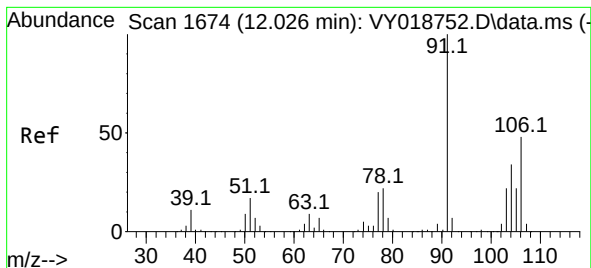
Tgt Ion:117 Resp: 346125
Ion Ratio Lower Upper
117 100
82 52.8 42.4 63.6
119 31.8 25.9 38.9



#68
m/p-Xylenes
Concen: 2.421 ug/l
RT: 11.690 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VY018854.D
Acq: 17 Jul 2024 18:11

Tgt Ion:106 Resp: 12151
Ion Ratio Lower Upper
106 100
91 210.0 156.0 234.0





#69

o-Xylene

Concen: 1.199 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018854.D

Acq: 17 Jul 2024 18:11

Instrument :

MSVOA_Y

ClientSampleId :

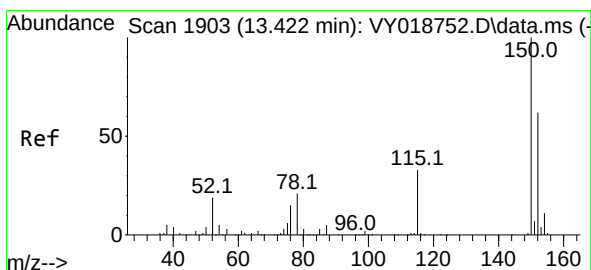
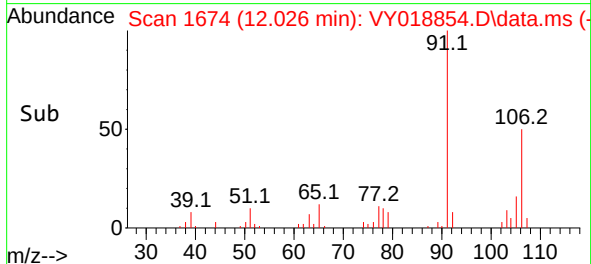
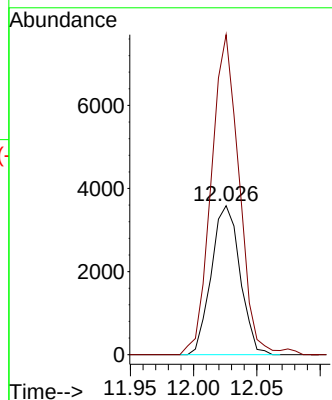
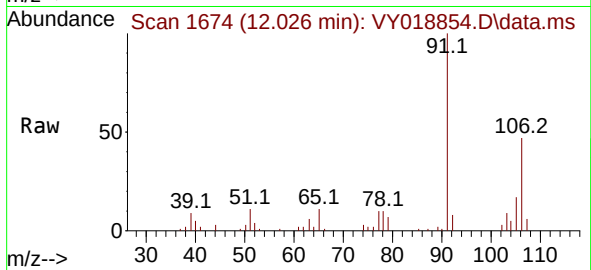
400STEVEN-4RE

Tgt Ion:106 Resp: 5657

Ion Ratio Lower Upper

106 100

91 209.3 103.6 310.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY018854.D

Acq: 17 Jul 2024 18:11

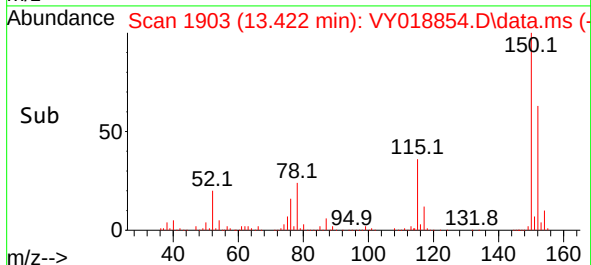
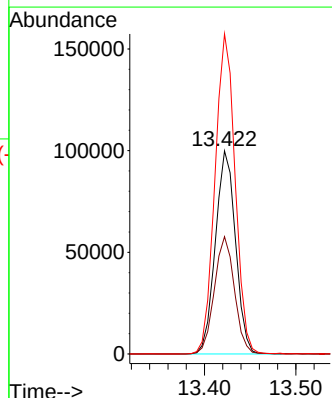
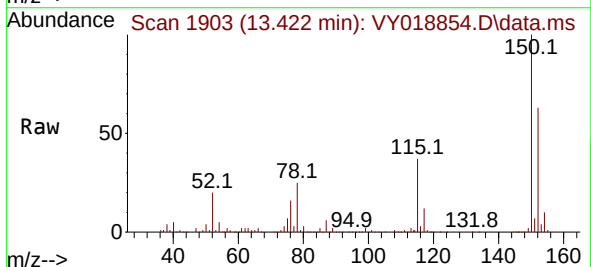
Tgt Ion:152 Resp: 152996

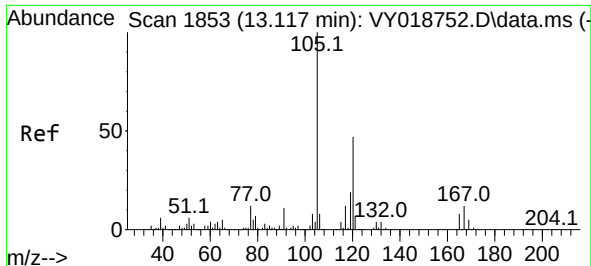
Ion Ratio Lower Upper

152 100

115 57.6 28.2 84.7

150 157.4 0.0 345.6

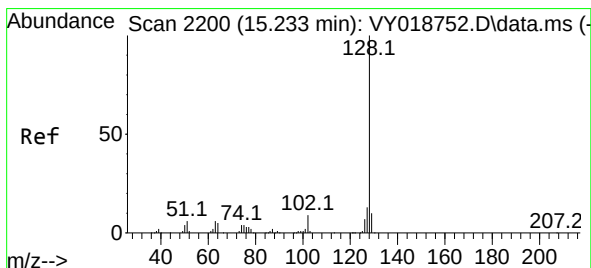
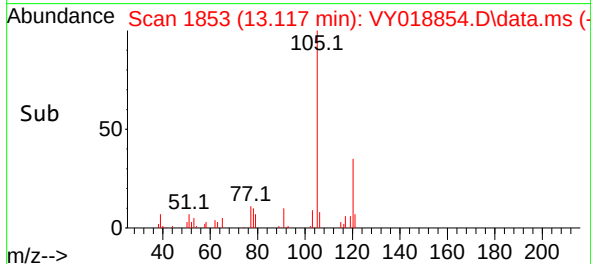
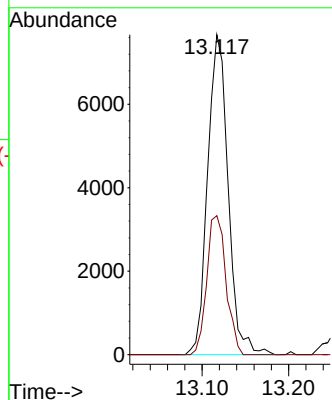
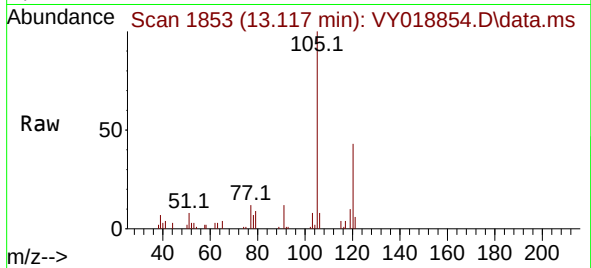




#84
1,2,4-Trimethylbenzene
Concen: 1.383 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY018854.D
Acq: 17 Jul 2024 18:11

Instrument :
MSVOA_Y
ClientSampleId :
400STEVEN-4RE

Tgt Ion:105 Resp: 12593
Ion Ratio Lower Upper
105 100
120 41.0 23.2 69.6



#95
Naphthalene
Concen: 30.328 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY018854.D
Acq: 17 Jul 2024 18:11

Tgt Ion:128 Resp: 144037
Ion Ratio Lower Upper
128 100
127 12.6 10.6 16.0
129 11.0 8.6 13.0

