

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
 Data File : VY015688.D
 Acq On : 22 Sep 2023 16:41
 Operator : SY/MD
 Sample : 04566-09
 Misc : 6.29g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B102-08-2(5-5.5)

Quant Time: Sep 22 22:57:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

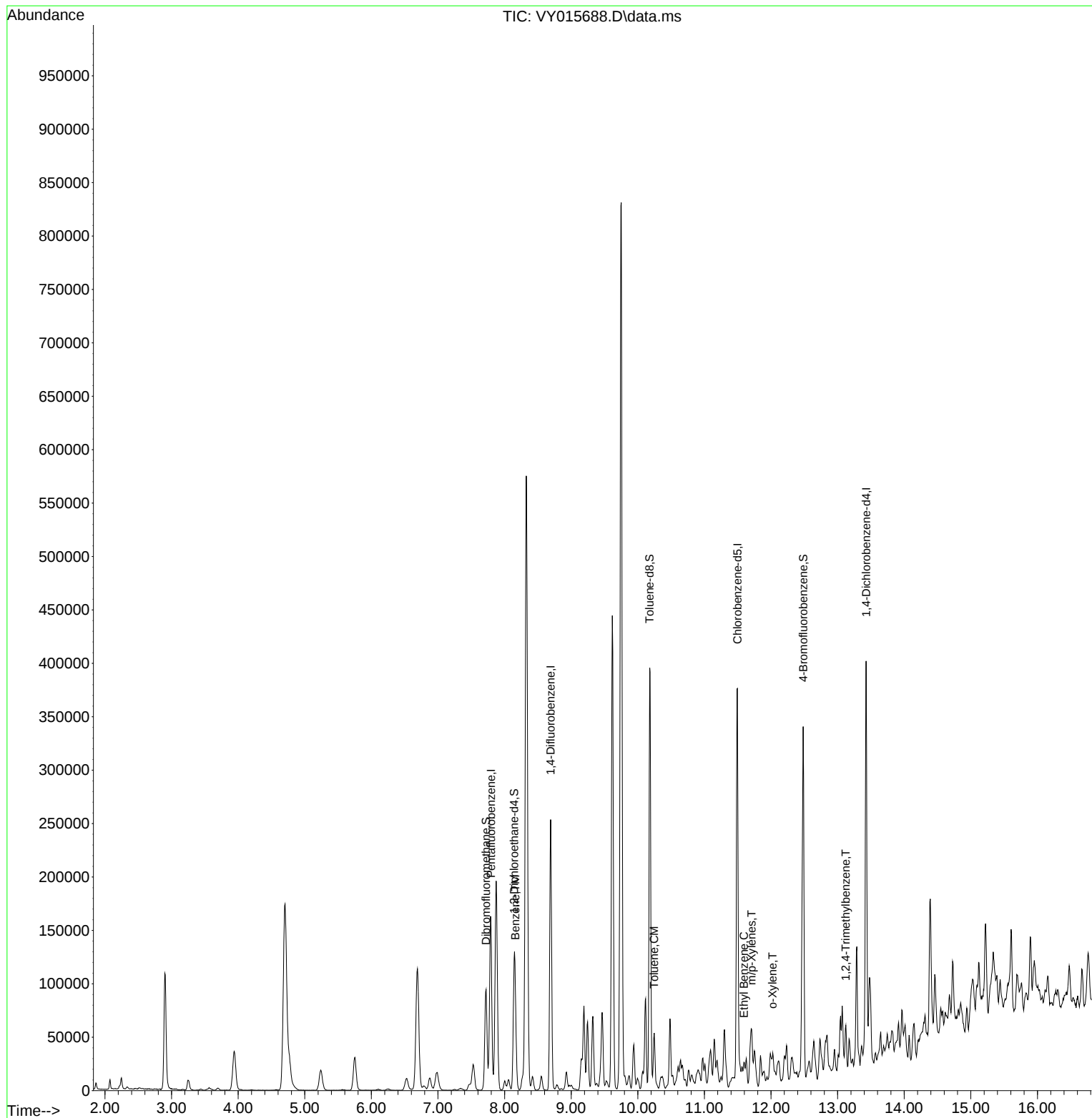
Internal Standards						
1) Pentafluorobenzene	7.795	168	125030	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	214443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	196842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	79248	57.606	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.220%	
35) Dibromofluoromethane	7.722	113	66120	51.515	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.020%	
50) Toluene-d8	10.179	98	256765	59.000	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 118.000%	
62) 4-Bromofluorobenzene	12.483	95	88685	51.928	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.860%	
Target Compounds						Qvalue
40) Benzene	8.161	78	48277	8.342	ug/l	95
52) Toluene	10.246	92	20942	5.613	ug/l	98
67) Ethyl Benzene	11.593	91	13680	1.822	ug/l	99
68) m/p-Xylenes	11.709	106	12763	4.471	ug/l	97
69) o-Xylene	12.026	106	5850	2.090	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	19889	3.310	ug/l	96

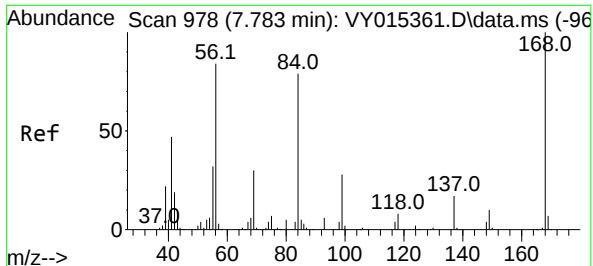
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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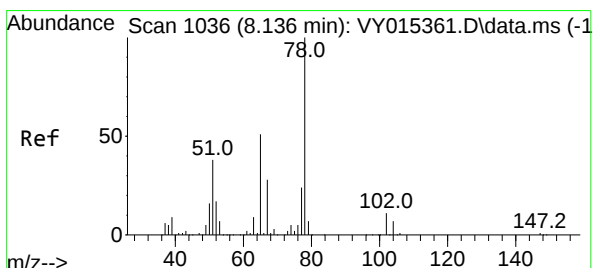
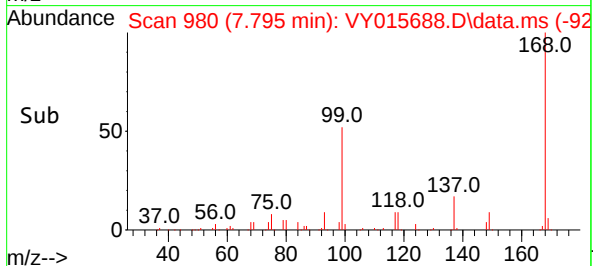
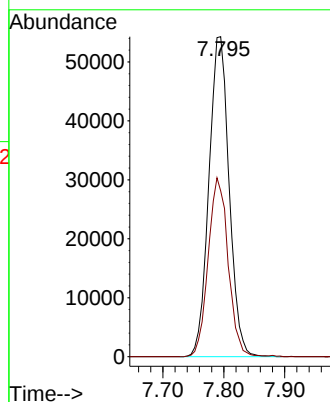
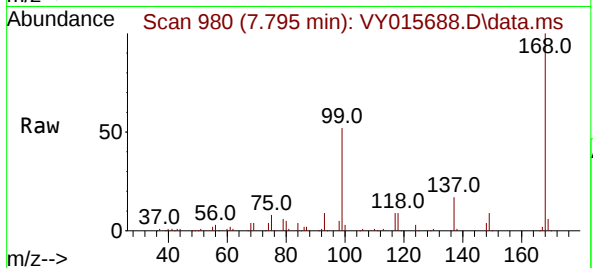




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015688.D
Acq: 22 Sep 2023 16:41

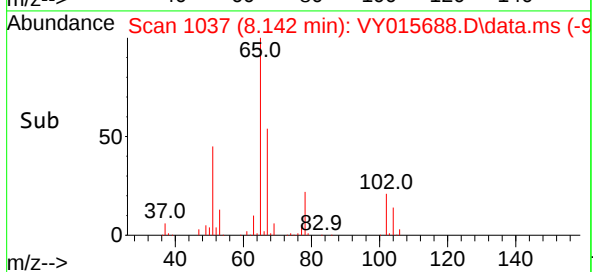
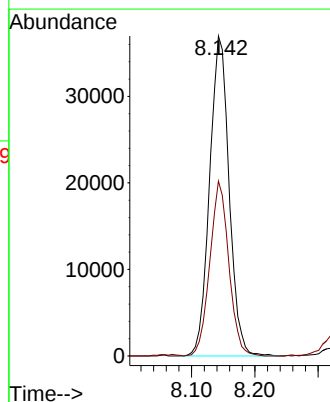
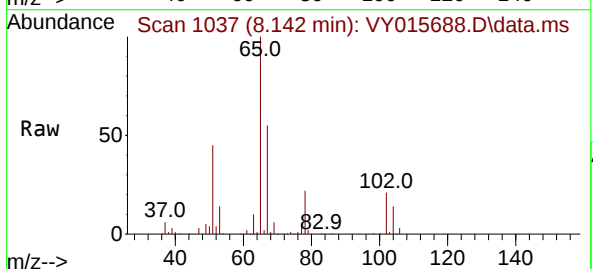
Instrument :
MSVOA_Y
ClientSampleId :
B102-08-2(5-5.5)

Tgt Ion:168 Resp: 125030
Ion Ratio Lower Upper
168 100
99 51.8 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 57.606 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015688.D
Acq: 22 Sep 2023 16:41

Tgt Ion: 65 Resp: 79248
Ion Ratio Lower Upper
65 100
67 53.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015688.D

Acq: 22 Sep 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

B102-08-2(5-5.5)

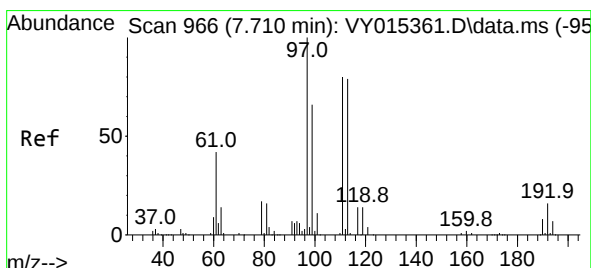
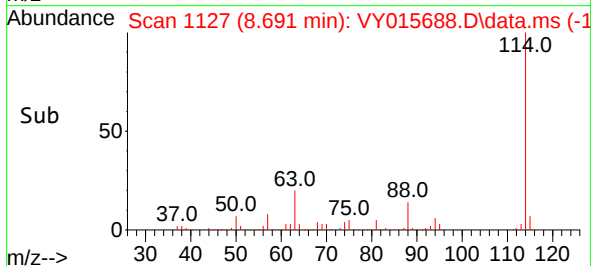
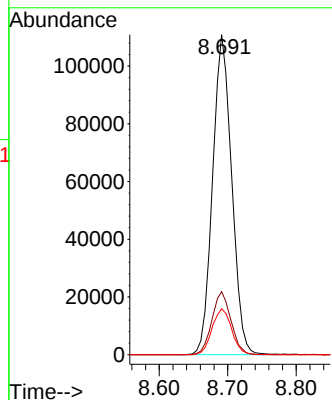
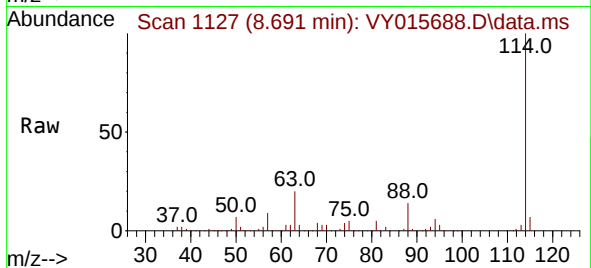
Tgt Ion:114 Resp: 214443

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.515 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015688.D

Acq: 22 Sep 2023 16:41

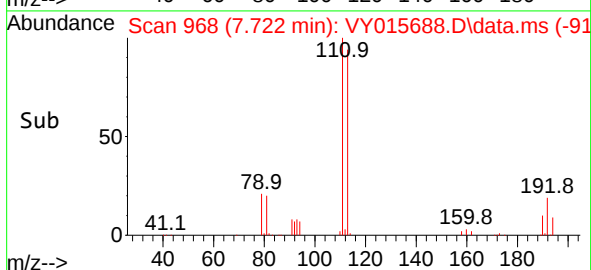
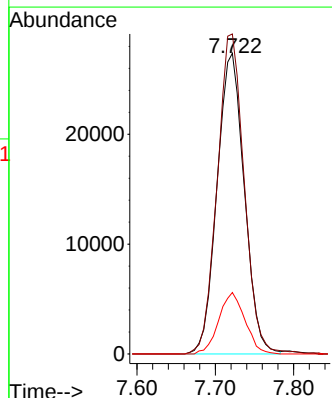
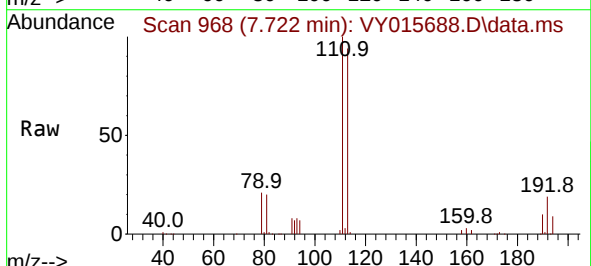
Tgt Ion:113 Resp: 66120

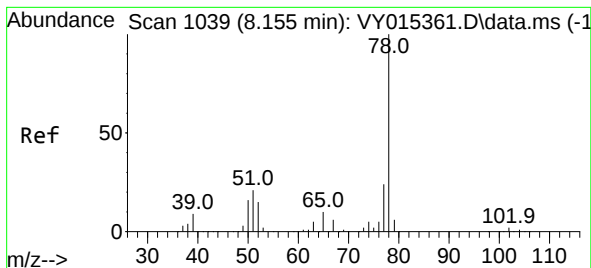
Ion Ratio Lower Upper

113 100

111 105.5 81.3 121.9

192 19.7 16.9 25.3





#40

Benzene

Concen: 8.342 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.012 min

Lab File: VY015688.D

Acq: 22 Sep 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

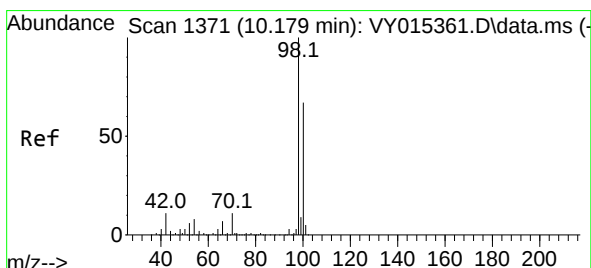
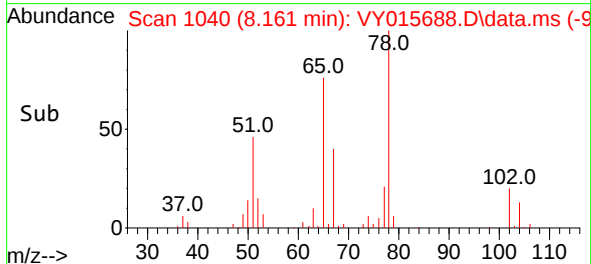
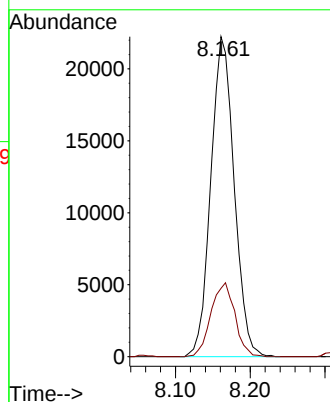
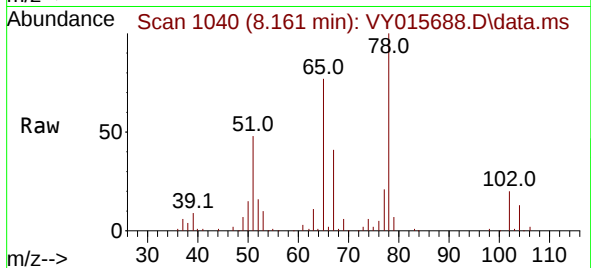
B102-08-2(5-5.5)

Tgt Ion: 78 Resp: 48277

Ion Ratio Lower Upper

78 100

77 21.4 19.0 28.6



#50

Toluene-d8

Concen: 59.000 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015688.D

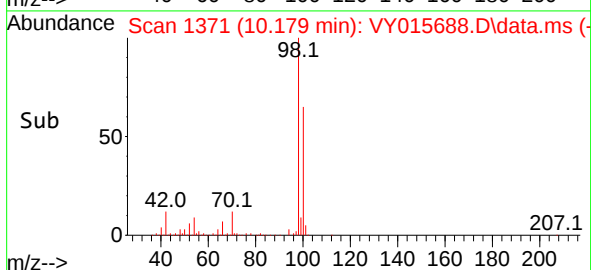
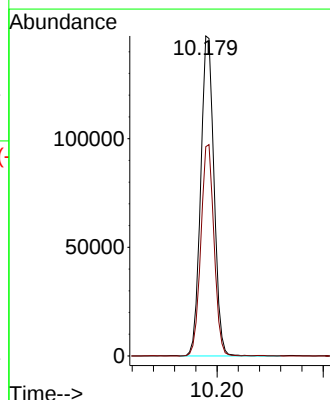
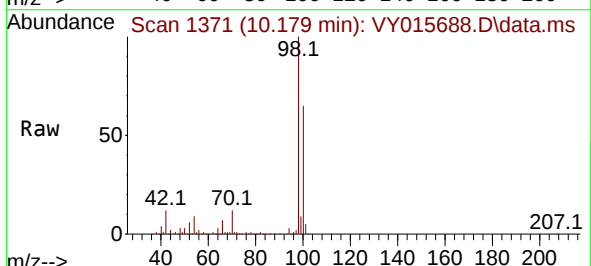
Acq: 22 Sep 2023 16:41

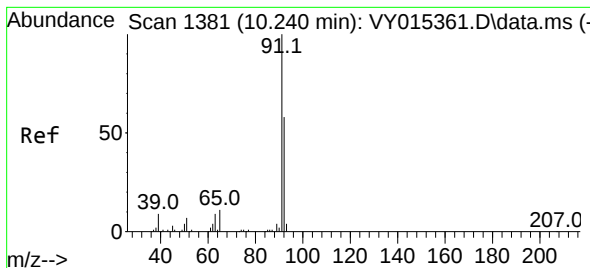
Tgt Ion: 98 Resp: 256765

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1





#52

Toluene

Concen: 5.613 ug/l

RT: 10.246 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015688.D

Acq: 22 Sep 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

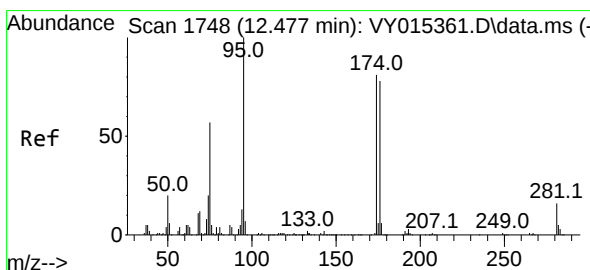
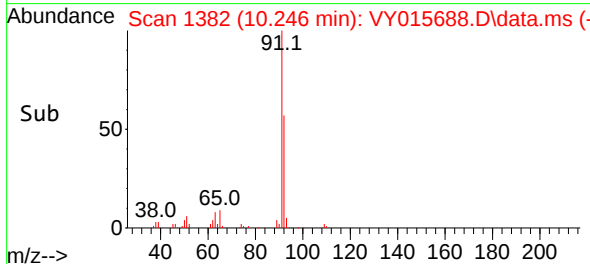
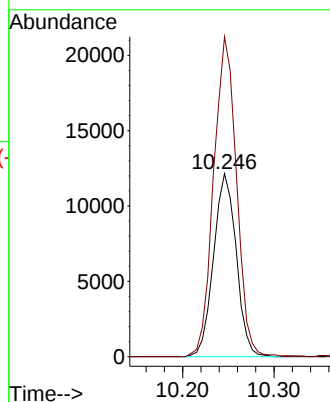
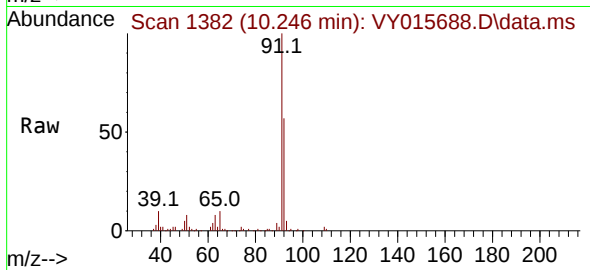
B102-08-2(5-5.5)

Tgt Ion: 92 Resp: 20942

Ion Ratio Lower Upper

92 100

91 176.7 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 51.928 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015688.D

Acq: 22 Sep 2023 16:41

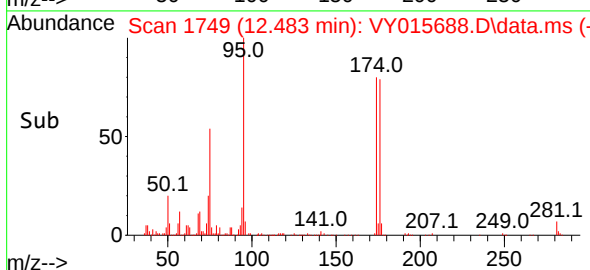
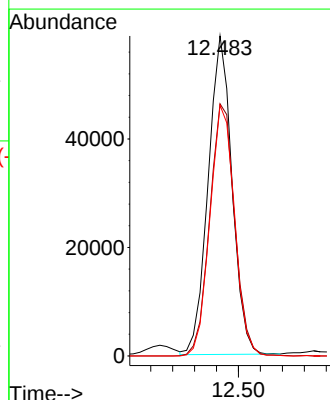
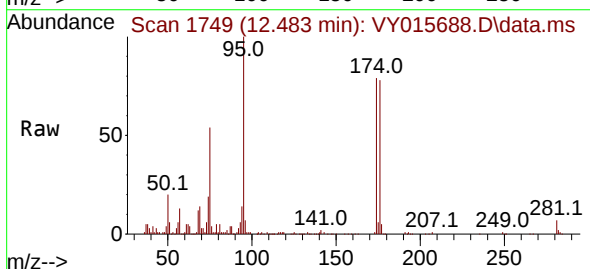
Tgt Ion: 95 Resp: 88685

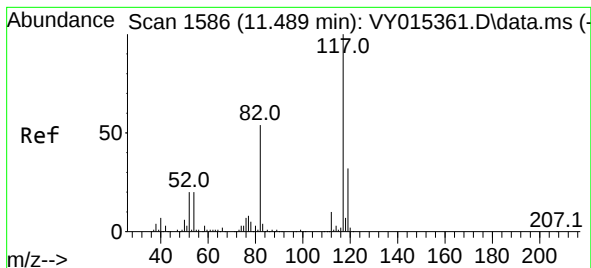
Ion Ratio Lower Upper

95 100

174 83.0 0.0 178.2

176 81.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015688.D

Acq: 22 Sep 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

B102-08-2(5-5.5)

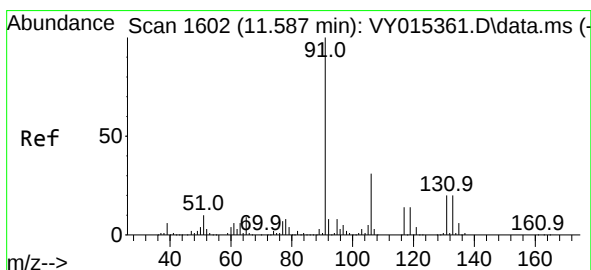
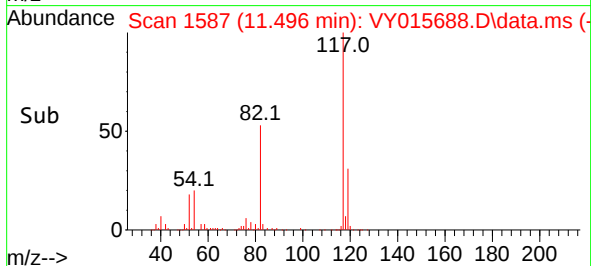
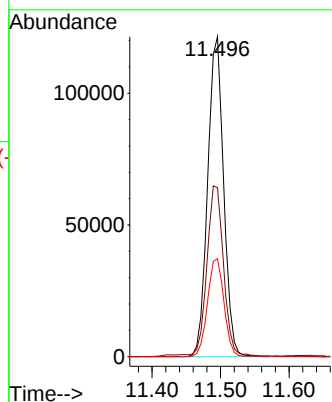
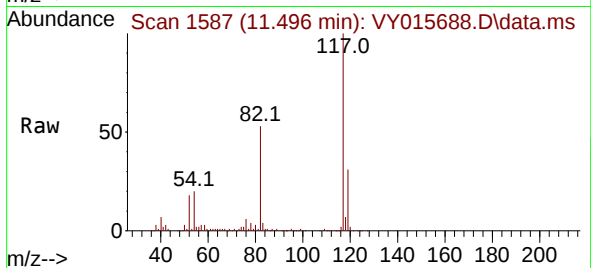
Tgt Ion:117 Resp: 196842

Ion Ratio Lower Upper

117 100

82 52.7 43.4 65.0

119 30.6 26.3 39.5



#67

Ethyl Benzene

Concen: 1.822 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VY015688.D

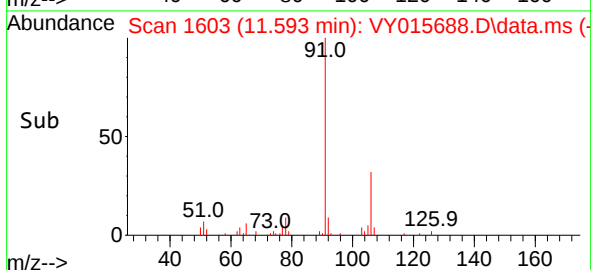
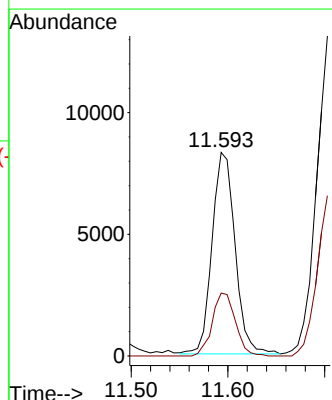
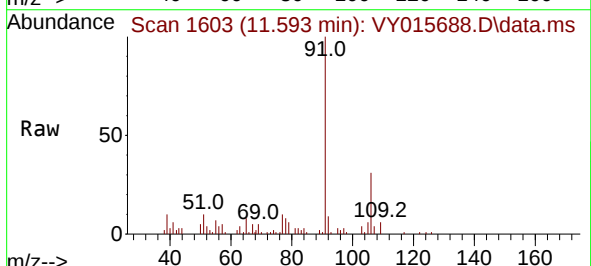
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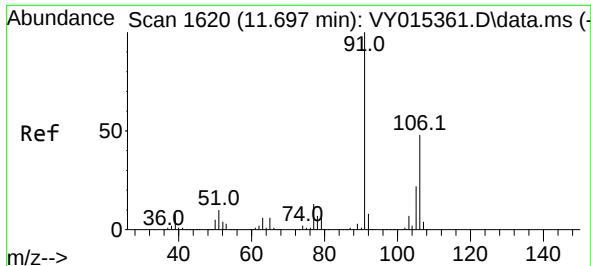
Tgt Ion: 91 Resp: 13680

Ion Ratio Lower Upper

91 100

106 31.2 24.6 36.8

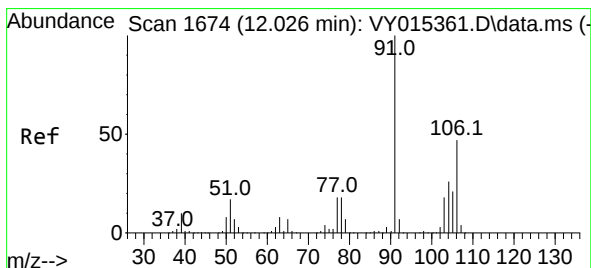
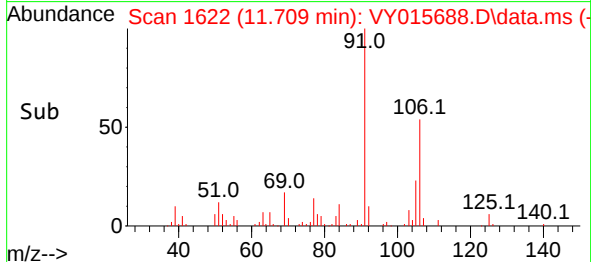
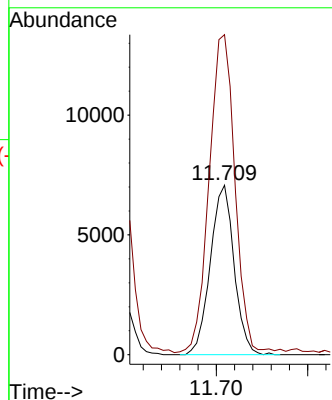
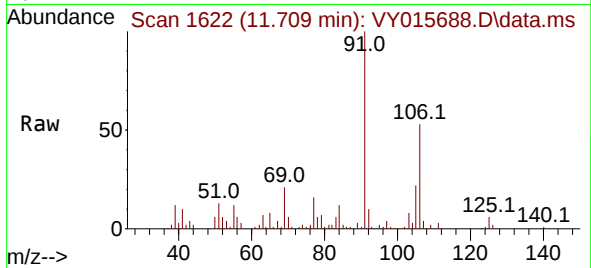




#68
m/p-Xylenes
Concen: 4.471 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY015688.D
Acq: 22 Sep 2023 16:41

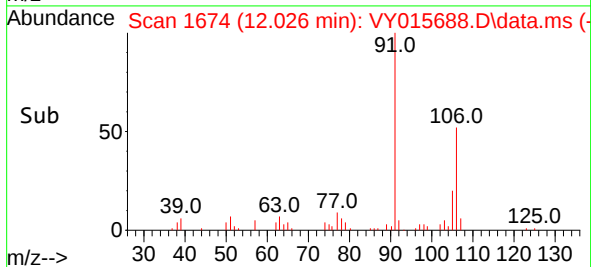
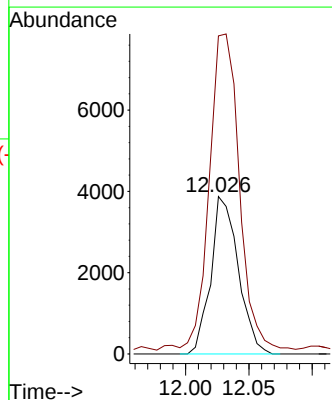
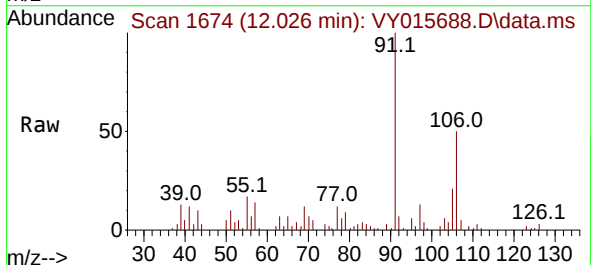
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B102-08-2(5-5.5)

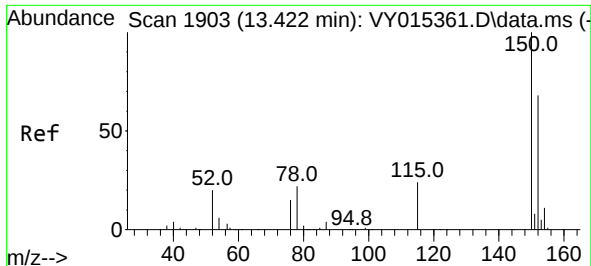
Tgt Ion:106 Resp: 12763
Ion Ratio Lower Upper
106 100
91 203.1 166.1 249.1



#69
o-Xylene
Concen: 2.090 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY015688.D
Acq: 22 Sep 2023 16:41

Tgt Ion:106 Resp: 5850
Ion Ratio Lower Upper
106 100
91 220.2 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015688.D

Acq: 22 Sep 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

B102-08-2(5-5.5)

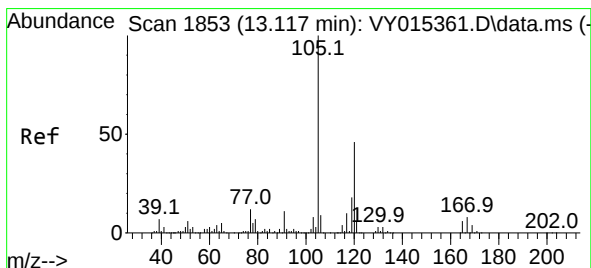
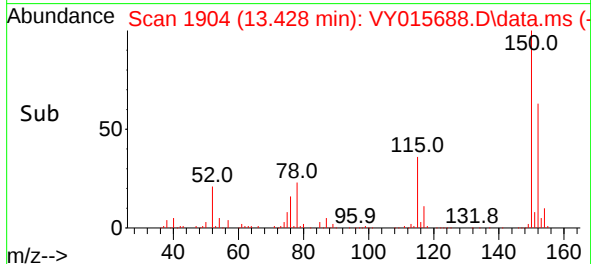
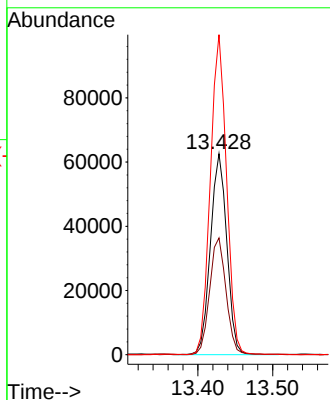
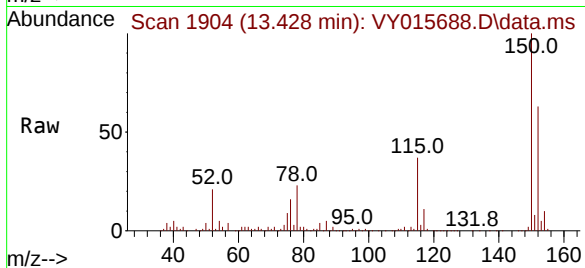
Tgt Ion:152 Resp: 95610

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 157.1 0.0 348.8



#84

1,2,4-Trimethylbenzene

Concen: 3.310 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY015688.D

Acq: 22 Sep 2023 16:41

Tgt Ion:105 Resp: 19889

Ion Ratio Lower Upper

105 100

120 46.7 22.2 66.6

