

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100423\  
 Data File : VY015836.D  
 Acq On : 04 Oct 2023 18:36  
 Operator : SY/MD  
 Sample : 04704-06  
 Misc : 4.56g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 R-4(5-10)

Quant Time: Oct 05 06:58:04 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

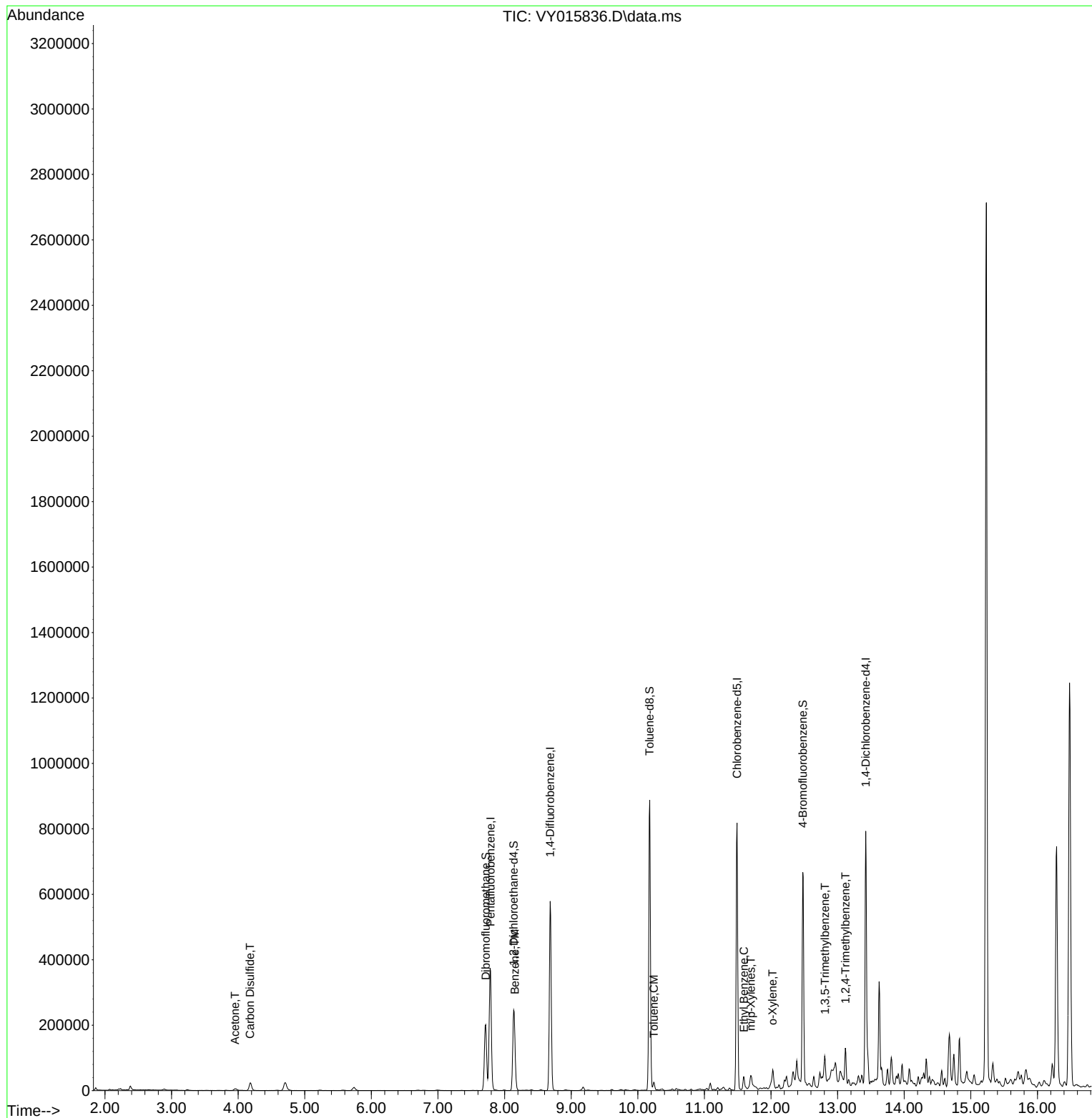
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 292165   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 500313   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 448624   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 197866   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 184648   | 57.440   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 114.880% |          |
| 35) Dibromofluoromethane    | 7.716  | 113   | 144677   | 48.313   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 96.620%  |          |
| 50) Toluene-d8              | 10.179 | 98    | 585408   | 57.656   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 115.320% |          |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 197826   | 49.648   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 99.300%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 3.954  | 43    | 11529    | 6.702    | ug/l       | 89       |
| 17) Carbon Disulfide        | 4.180  | 76    | 48160    | 9.645    | ug/l       | 99       |
| 40) Benzene                 | 8.155  | 78    | 37019    | 2.742    | ug/l       | 97       |
| 52) Toluene                 | 10.240 | 92    | 9894     | 1.137    | ug/l       | 94       |
| 67) Ethyl Benzene           | 11.593 | 91    | 27346    | 1.598    | ug/l       | 94       |
| 68) m/p-Xylenes             | 11.697 | 106   | 12059    | 1.854    | ug/l       | 96       |
| 69) o-Xylene                | 12.026 | 106   | 13924    | 2.183    | ug/l       | 96       |
| 80) 1,3,5-Trimethylbenzene  | 12.812 | 105   | 23053    | 1.855    | ug/l       | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.117 | 105   | 58204    | 4.681    | ug/l       | 98       |
| -----                       |        |       |          |          |            |          |

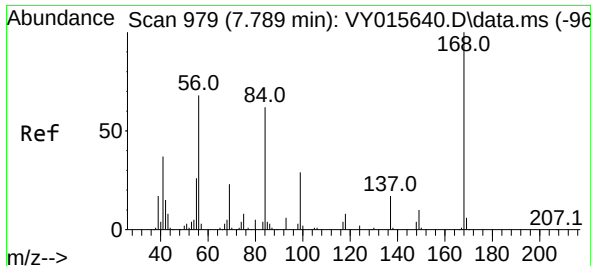
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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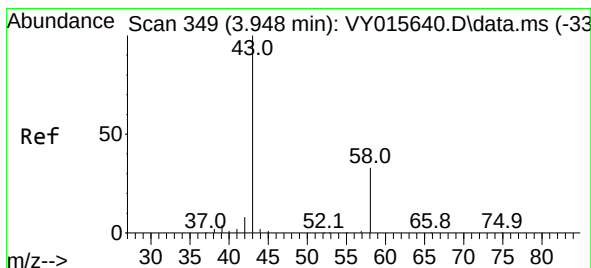
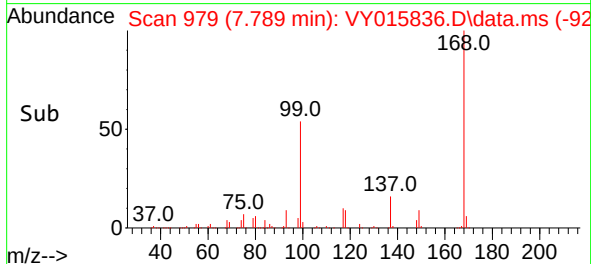
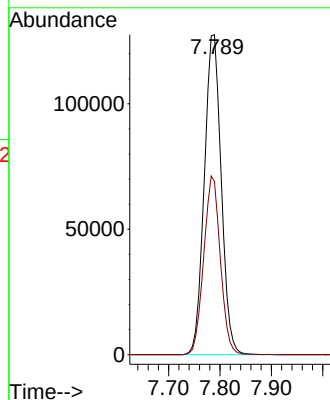
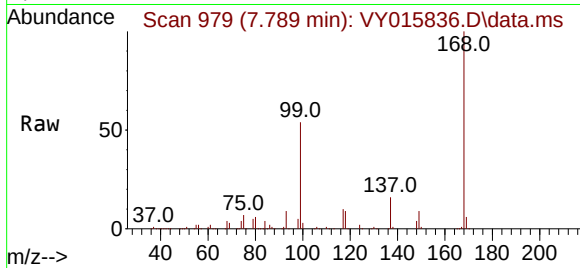




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015836.D  
Acq: 04 Oct 2023 18:36

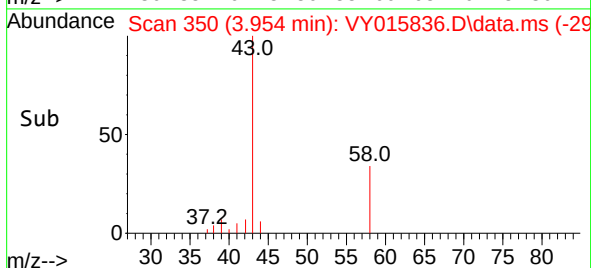
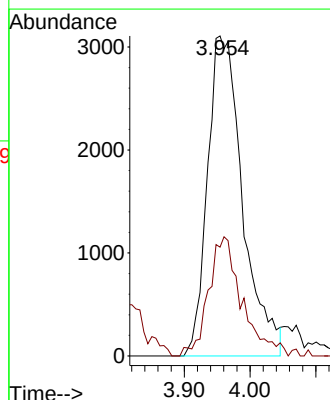
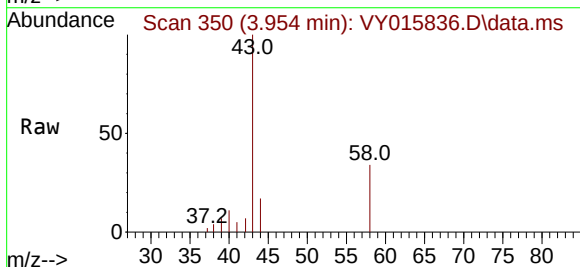
Instrument :  
MSVOA\_Y  
ClientSampleId :  
R-4(5-10)

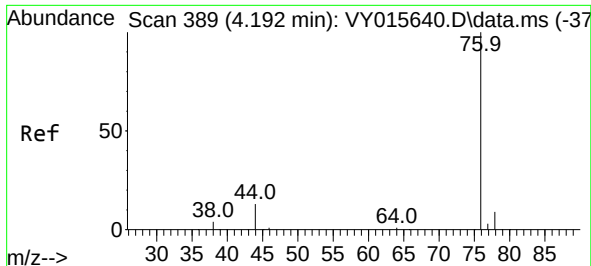
Tgt Ion:168 Resp: 292165  
Ion Ratio Lower Upper  
168 100  
99 54.2 43.4 65.0



#16  
Acetone  
Concen: 6.702 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.012 min  
Lab File: VY015836.D  
Acq: 04 Oct 2023 18:36

Tgt Ion: 43 Resp: 11529  
Ion Ratio Lower Upper  
43 100  
58 34.0 22.7 34.1

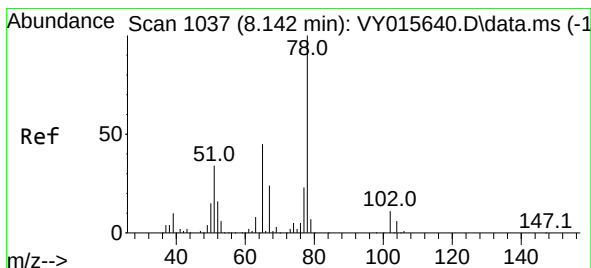
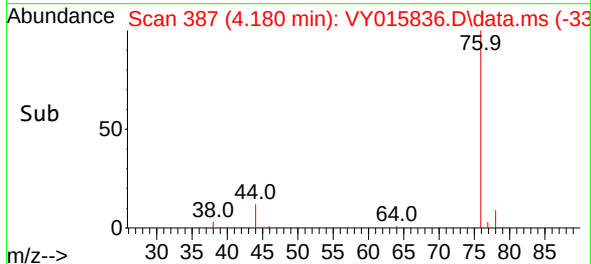
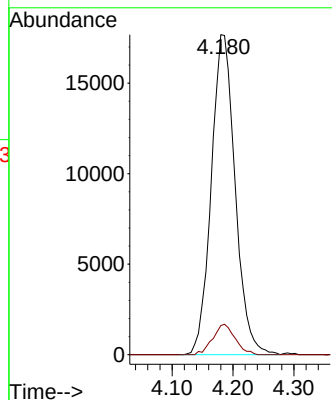
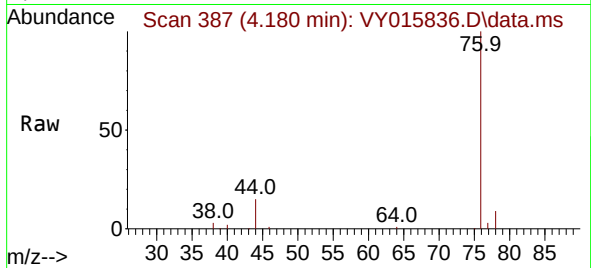




#17  
Carbon Disulfide  
Concen: 9.645 ug/l  
RT: 4.180 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VY015836.D  
Acq: 04 Oct 2023 18:36

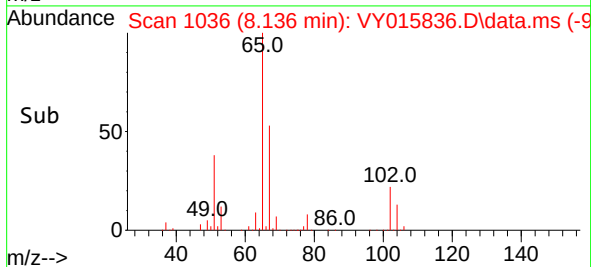
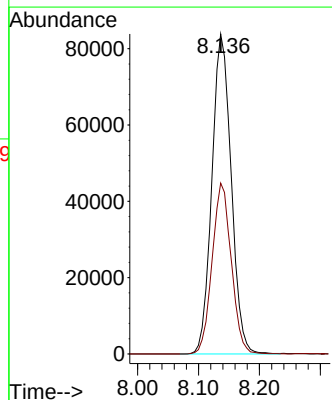
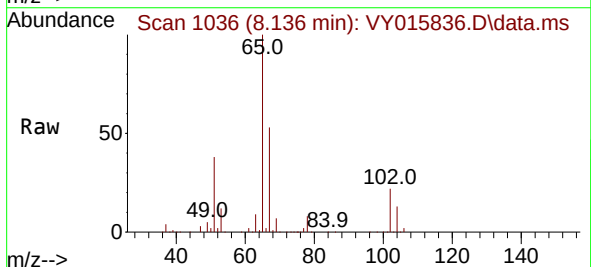
Instrument :  
MSVOA\_Y  
ClientSampleId :  
R-4(5-10)

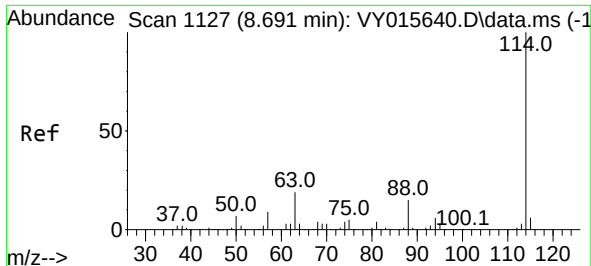
Tgt Ion: 76 Resp: 48160  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.0 10.4



#33  
1,2-Dichloroethane-d4  
Concen: 57.440 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY015836.D  
Acq: 04 Oct 2023 18:36

Tgt Ion: 65 Resp: 184648  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015836.D

Acq: 04 Oct 2023 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

R-4(5-10)

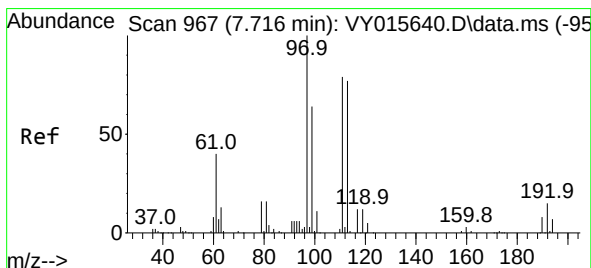
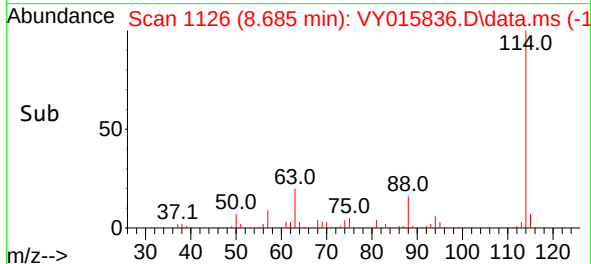
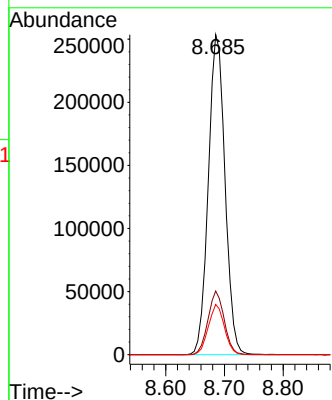
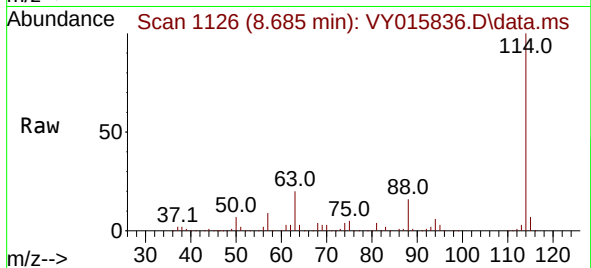
Tgt Ion:114 Resp: 500313

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.313 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015836.D

Acq: 04 Oct 2023 18:36

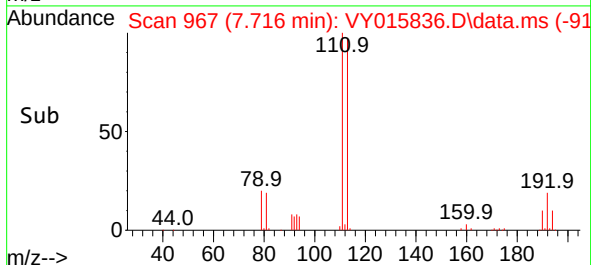
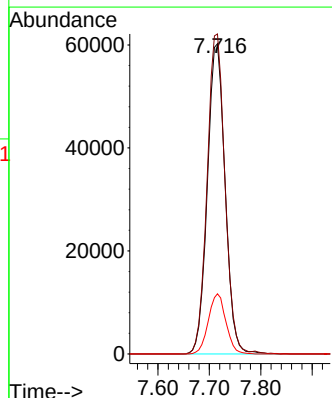
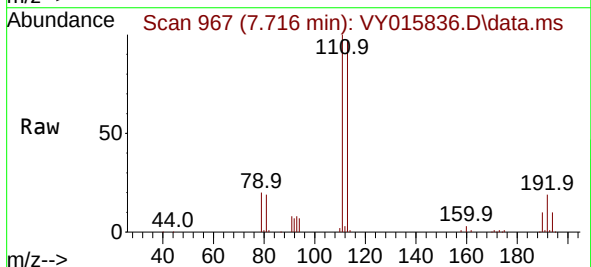
Tgt Ion:113 Resp: 144677

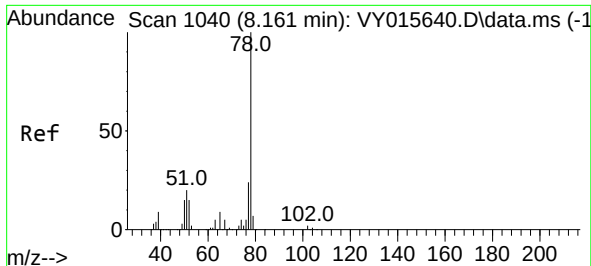
Ion Ratio Lower Upper

113 100

111 103.8 81.3 121.9

192 19.1 16.9 25.3





#40

Benzene

Concen: 2.742 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VY015836.D

Acq: 04 Oct 2023 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

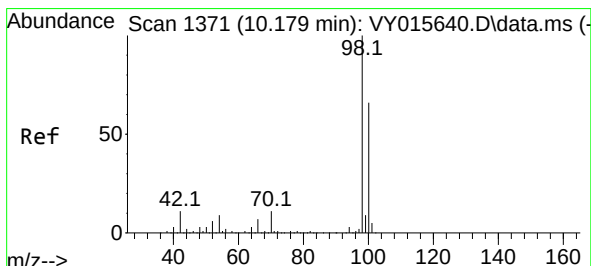
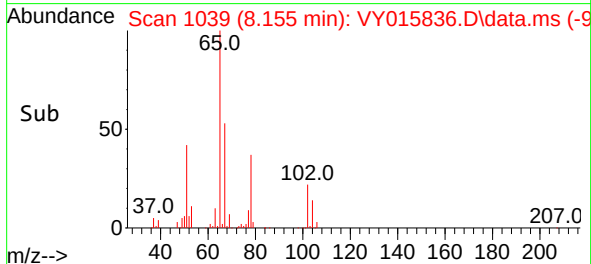
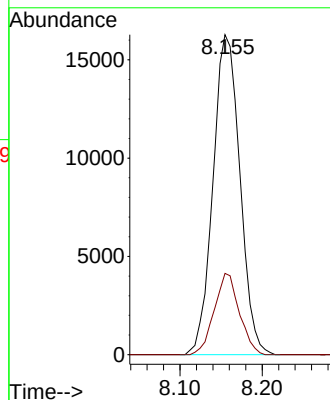
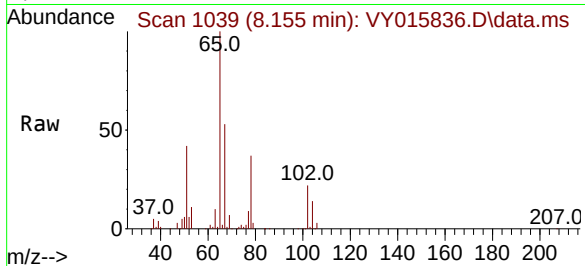
R-4(5-10)

Tgt Ion: 78 Resp: 37019

Ion Ratio Lower Upper

78 100

77 25.4 19.0 28.6



#50

Toluene-d8

Concen: 57.656 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015836.D

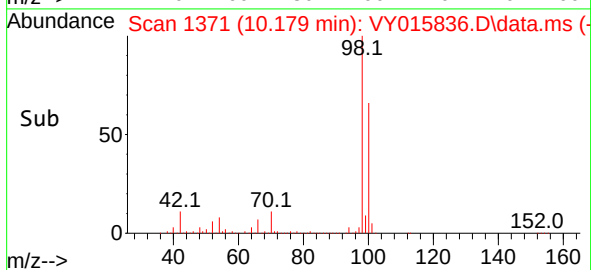
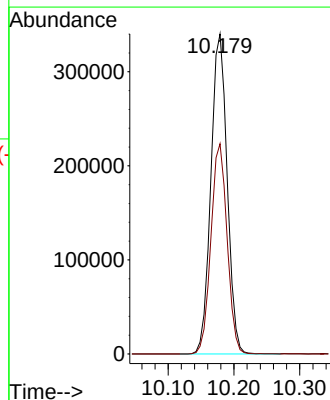
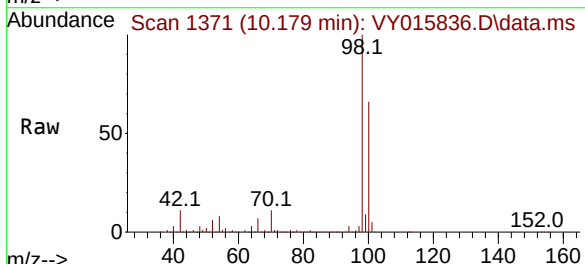
Acq: 04 Oct 2023 18:36

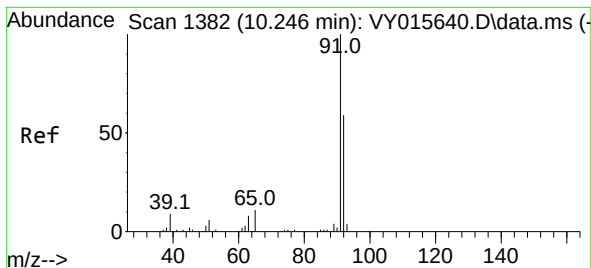
Tgt Ion: 98 Resp: 585408

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1





#52

Toluene

Concen: 1.137 ug/l

RT: 10.240 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY015836.D

Acq: 04 Oct 2023 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

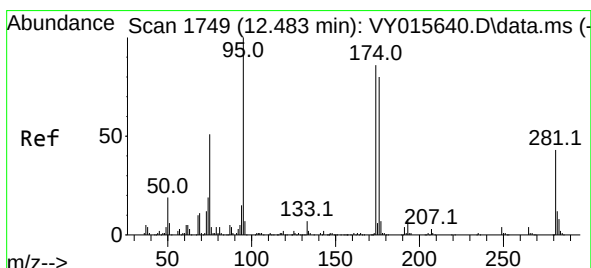
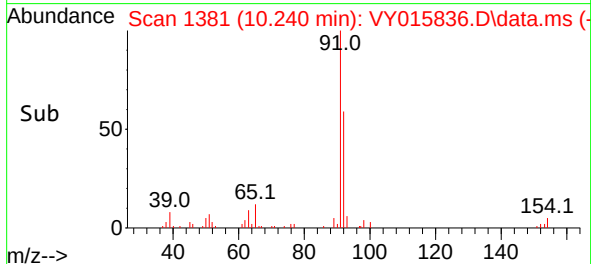
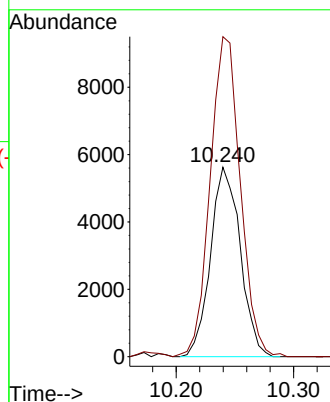
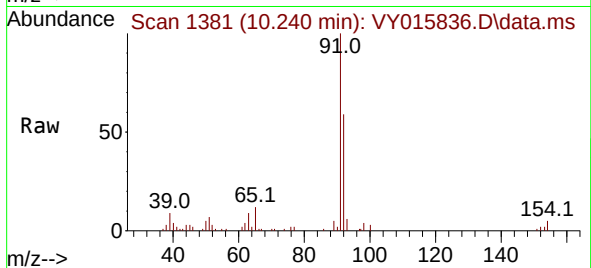
R-4(5-10)

Tgt Ion: 92 Resp: 9894

Ion Ratio Lower Upper

92 100

91 171.2 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 49.648 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015836.D

Acq: 04 Oct 2023 18:36

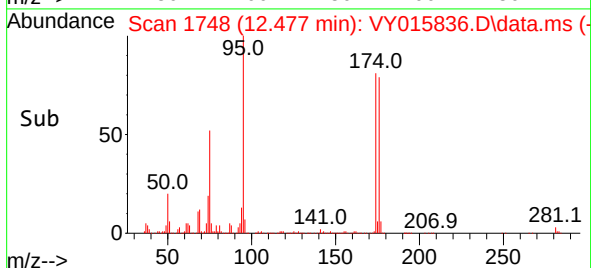
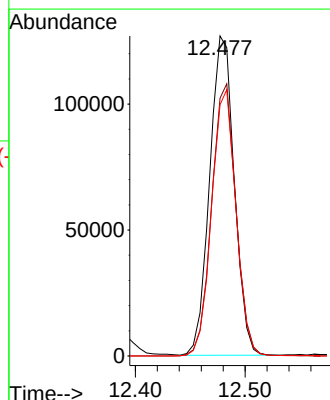
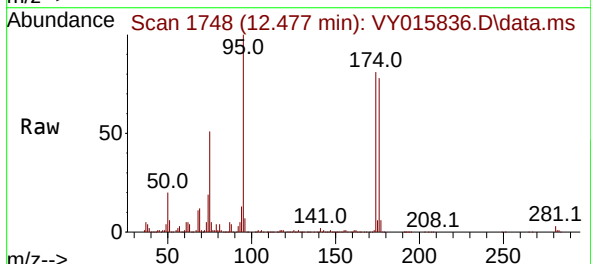
Tgt Ion: 95 Resp: 197826

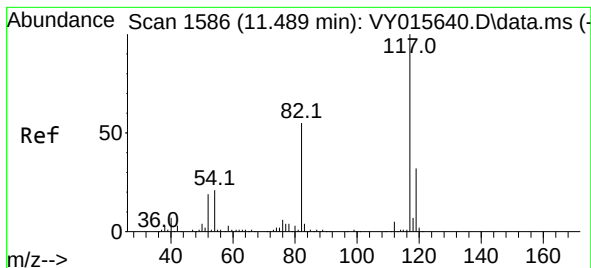
Ion Ratio Lower Upper

95 100

174 84.2 0.0 178.2

176 82.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015836.D

Acq: 04 Oct 2023 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

R-4(5-10)

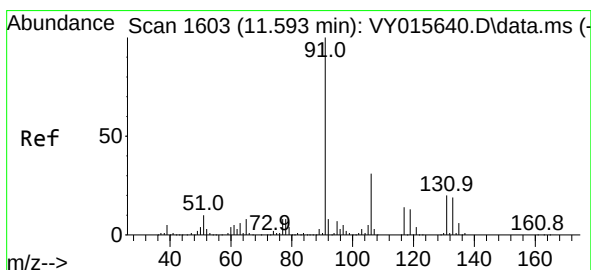
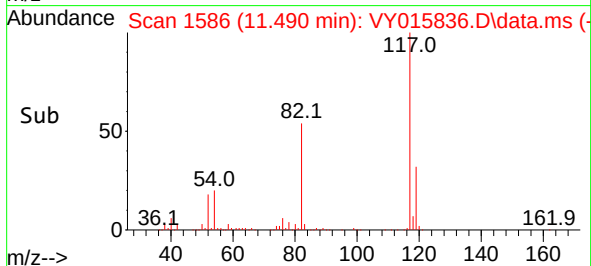
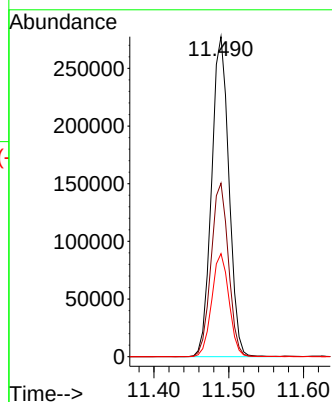
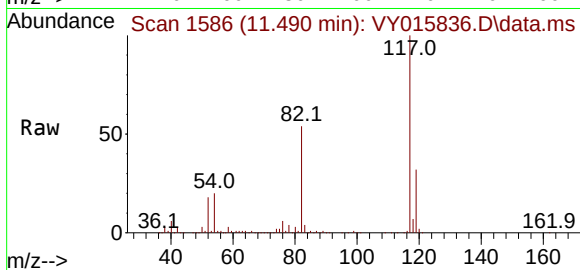
Tgt Ion:117 Resp: 448624

Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

119 32.2 26.3 39.5



#67

Ethyl Benzene

Concen: 1.598 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VY015836.D

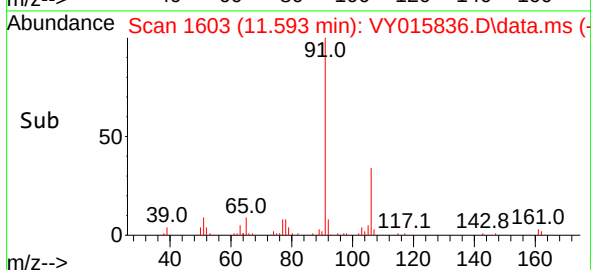
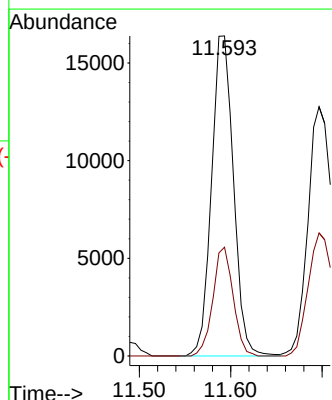
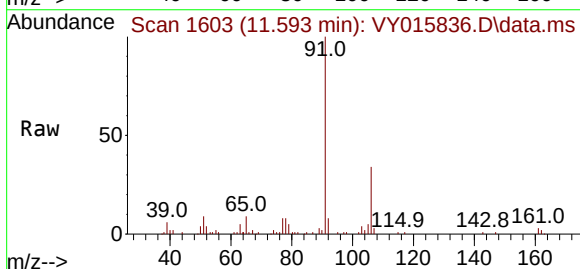
Acq: 04 Oct 2023 18:36

Tgt Ion: 91 Resp: 27346

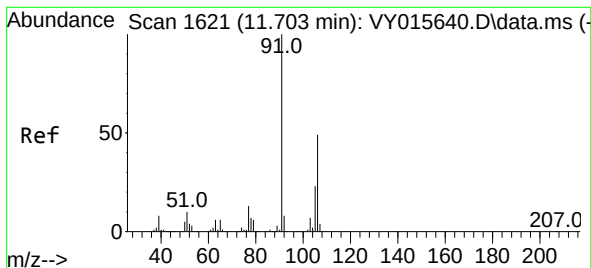
Ion Ratio Lower Upper

91 100

106 34.0 24.6 36.8



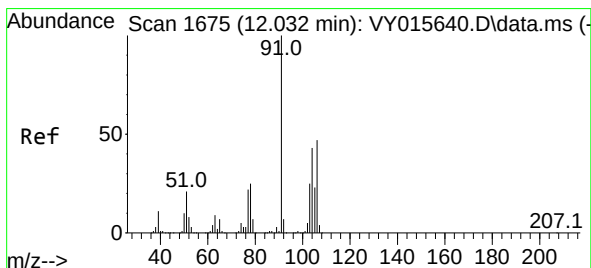
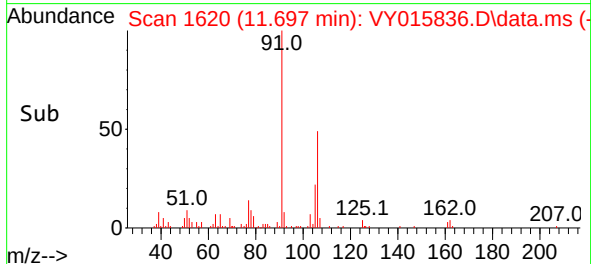
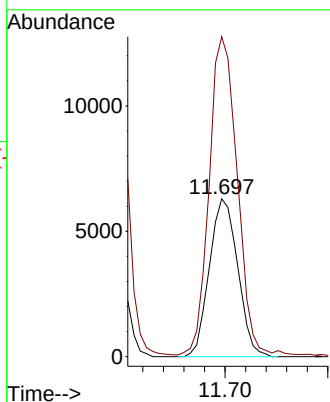
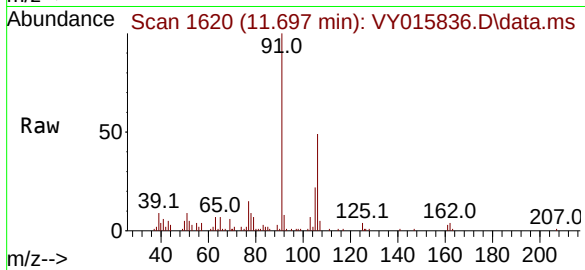




#68  
m/p-Xylenes  
Concen: 1.854 ug/l  
RT: 11.697 min Scan# 1620  
Delta R.T. -0.006 min  
Lab File: VY015836.D  
Acq: 04 Oct 2023 18:36

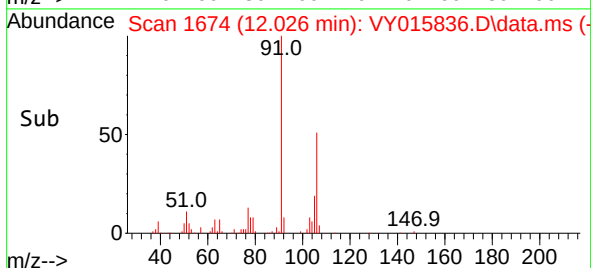
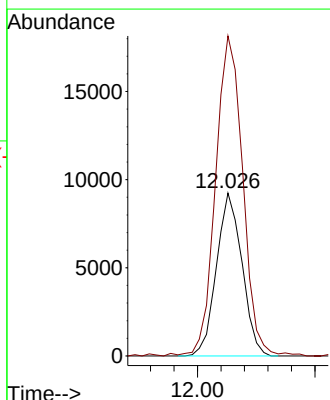
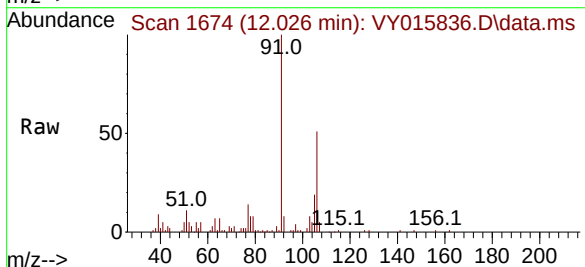
Instrument :  
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R-4(5-10)

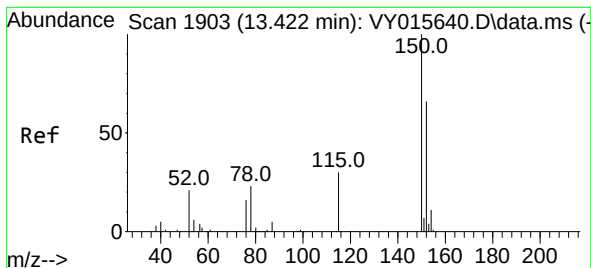
Tgt Ion:106 Resp: 12059  
Ion Ratio Lower Upper  
106 100  
91 200.8 166.1 249.1



#69  
o-Xylene  
Concen: 2.183 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.000 min  
Lab File: VY015836.D  
Acq: 04 Oct 2023 18:36

Tgt Ion:106 Resp: 13924  
Ion Ratio Lower Upper  
106 100  
91 210.2 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015836.D

Acq: 04 Oct 2023 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

R-4(5-10)

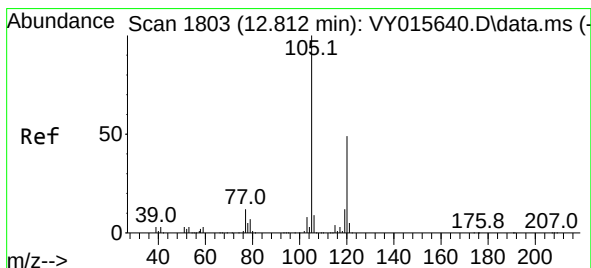
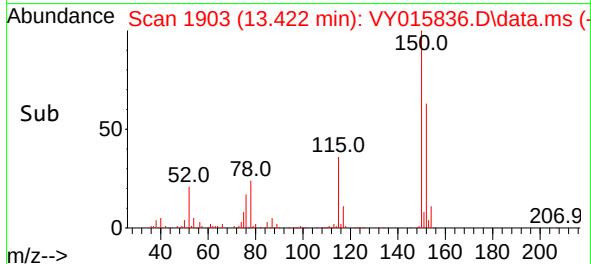
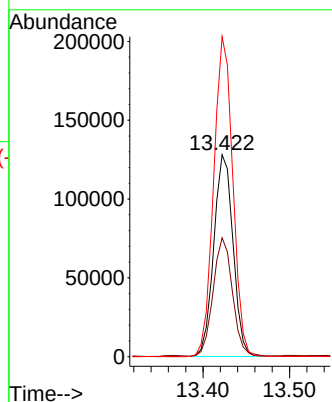
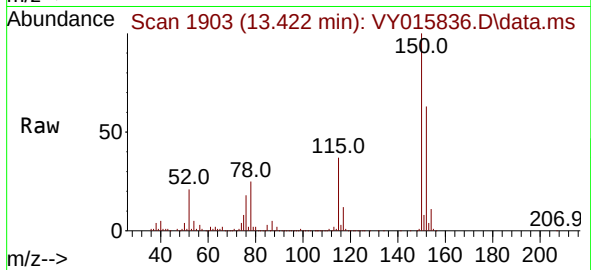
Tgt Ion:152 Resp: 197866

Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 157.5 0.0 348.8



#80

1,3,5-Trimethylbenzene

Concen: 1.855 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY015836.D

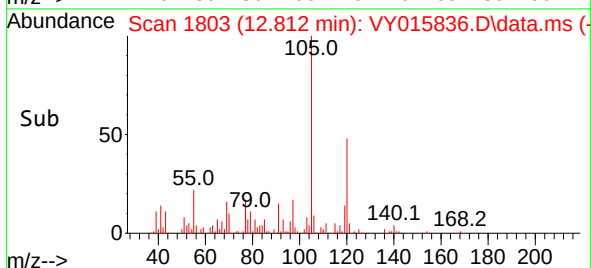
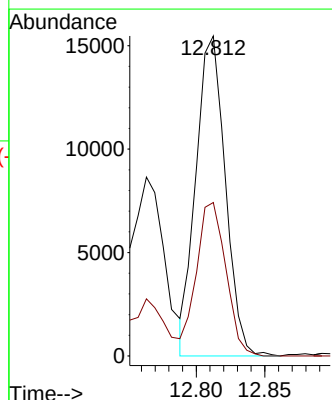
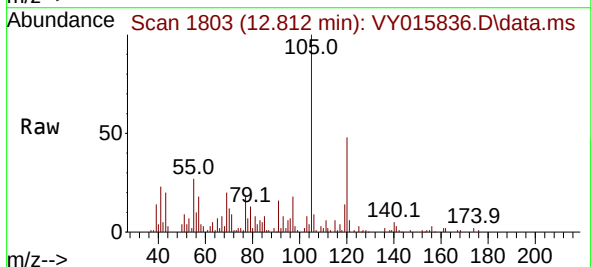
Acq: 04 Oct 2023 18:36

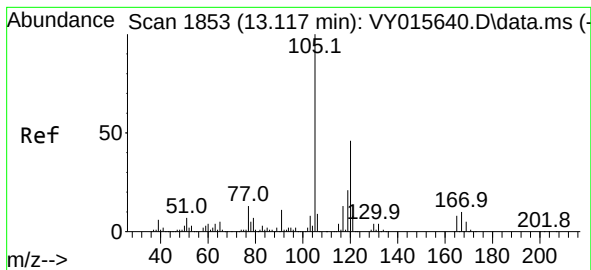
Tgt Ion:105 Resp: 23053

Ion Ratio Lower Upper

105 100

120 48.1 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 4.681 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015836.D

Acq: 04 Oct 2023 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

R-4(5-10)

Tgt Ion:105 Resp: 58204

Ion Ratio Lower Upper

105 100

120 45.9 22.2 66.6

