

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120624\  
 Data File : VY020540.D  
 Acq On : 06 Dec 2024 16:41  
 Operator : SY/MD  
 Sample : P5096-03  
 Misc : 4.82g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MH-B-VOC

Quant Time: Dec 07 03:27:42 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 01:39:23 2024  
 Response via : Initial Calibration

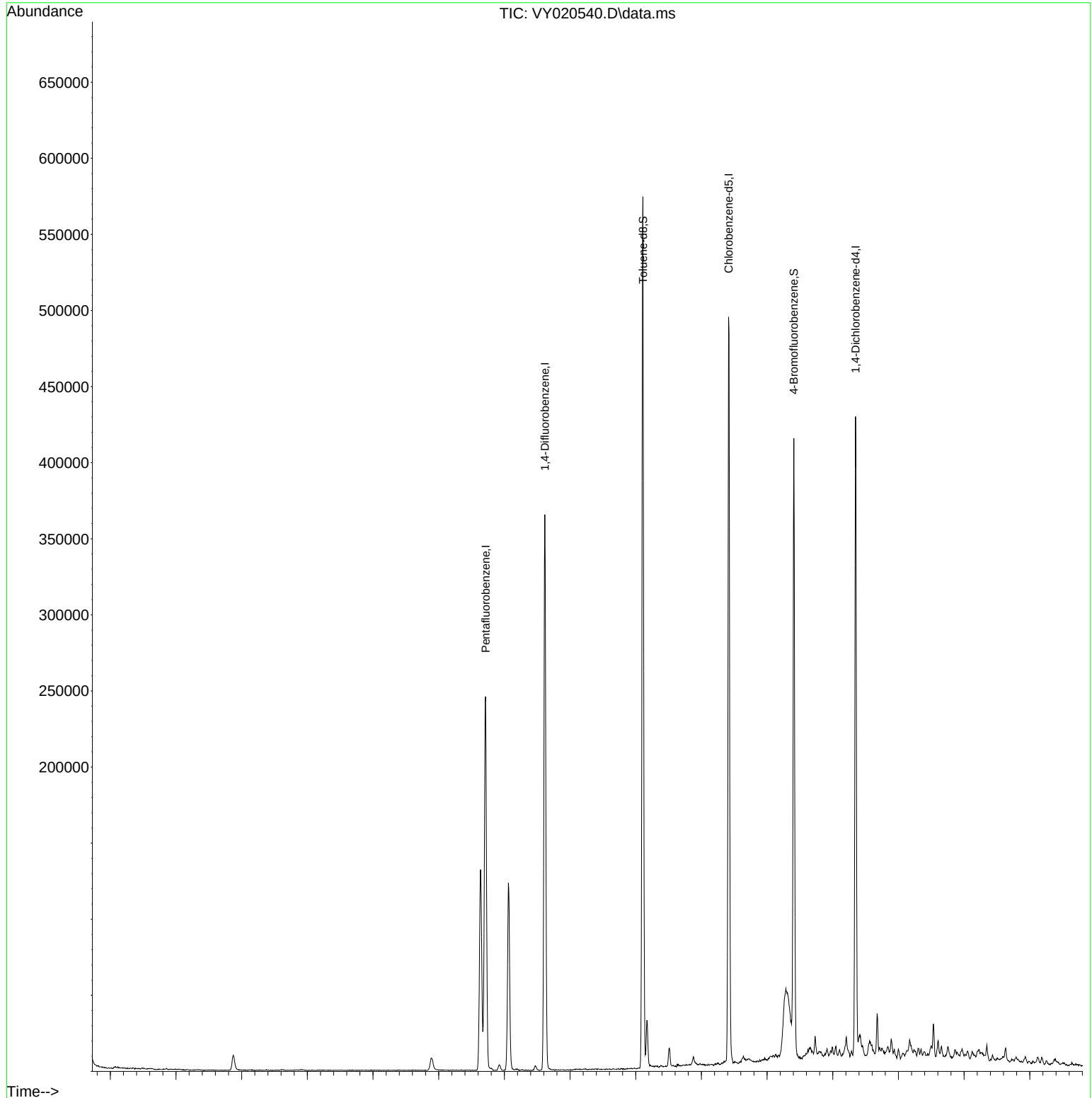
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 185596   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.615  | 114   | 311988   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 267262   | 50.000   | ug/l  | -0.01    |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 107848   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 100010   | 52.984   | ug/l  | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 105.960% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 96742    | 49.255   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 98.500%  |
| 50) Toluene-d8              | 10.109 | 98    | 374899   | 50.127   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 100.260% |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 118916   | 45.461   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 90.920%  |
| Target Compounds            |        |       |          |          |       |          |
| 16) Acetone                 | 3.872  | 43    | 18744    | 39.937   | ug/l  | 93       |
| 52) Toluene                 | 10.170 | 92    | 12718    | 2.084    | ug/l  | 97       |
| -----                       |        |       |          |          |       |          |

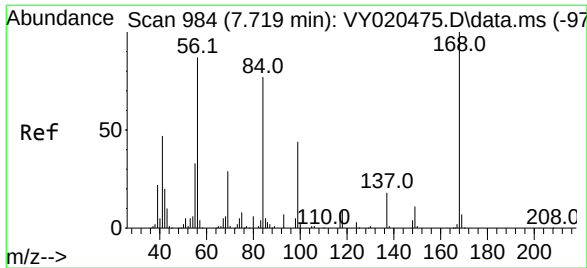
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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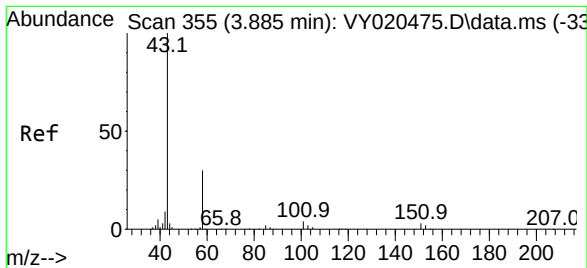
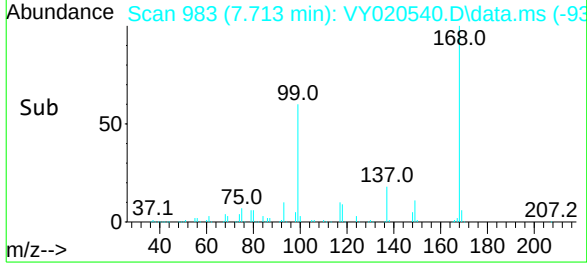
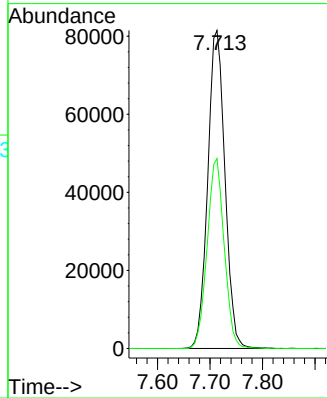
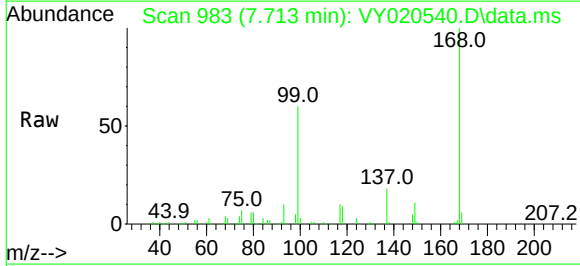




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 98  
Delta R.T. -0.006 min  
Lab File: VY020540.D  
Acq: 06 Dec 2024 16:41

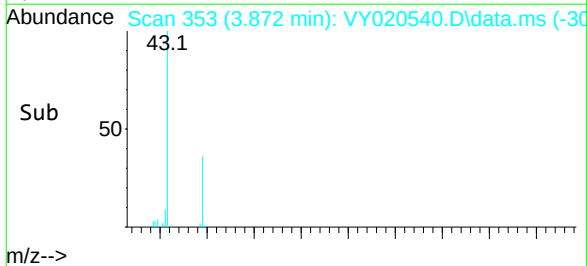
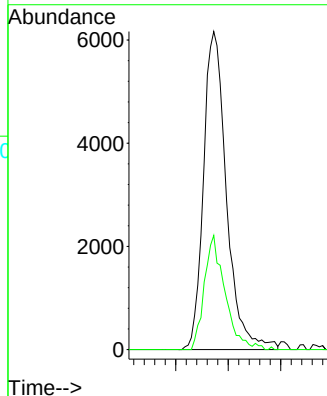
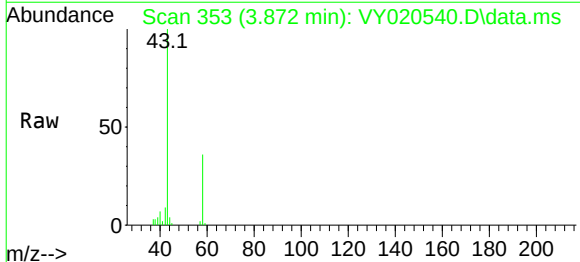
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-B-VOC

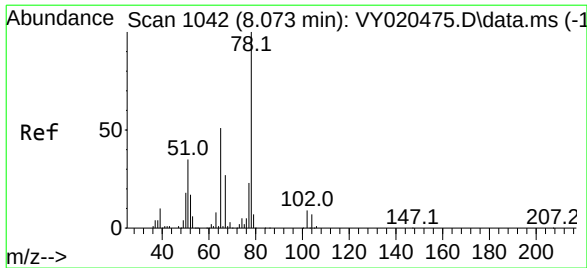
Tgt Ion:168 Resp: 185596  
Ion Ratio Lower Upper  
168 100  
99 59.7 46.6 69.8



#16  
Acetone  
Concen: 39.937 ug/l  
RT: 3.872 min Scan# 353  
Delta R.T. -0.012 min  
Lab File: VY020540.D  
Acq: 06 Dec 2024 16:41

Tgt Ion: 43 Resp: 18744  
Ion Ratio Lower Upper  
43 100  
58 35.9 25.7 38.5

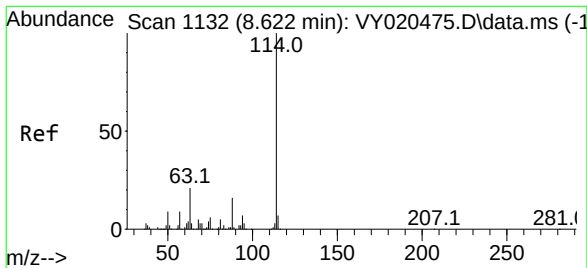
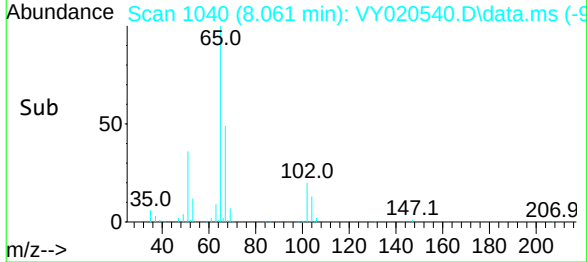
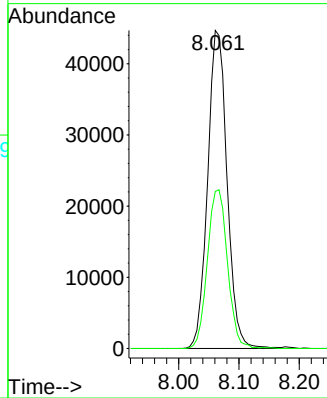
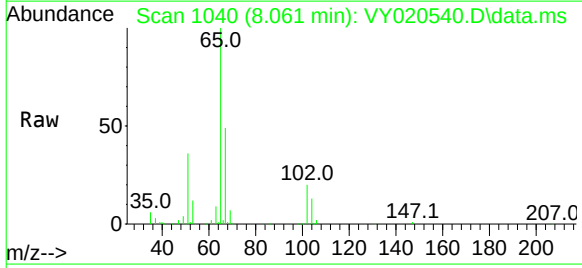




#33  
1,2-Dichloroethane-d4  
Concen: 52.984 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.012 min  
Lab File: VY020540.D  
Acq: 06 Dec 2024 16:41

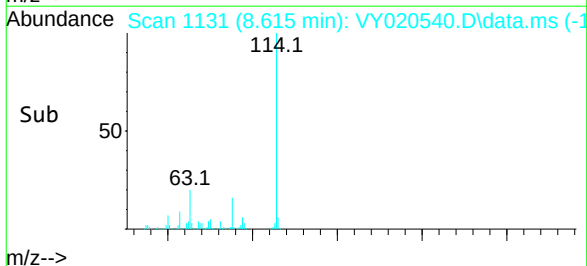
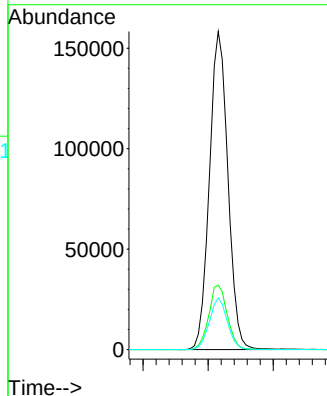
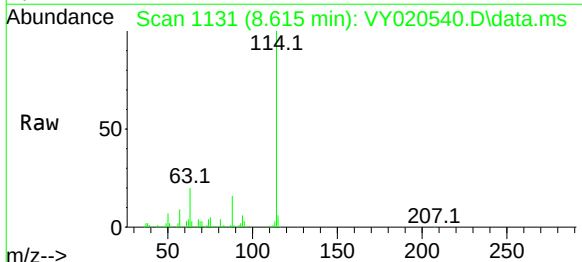
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-B-VOC

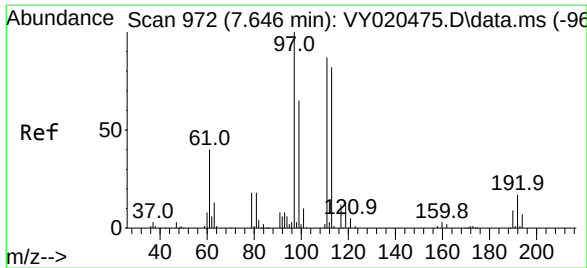
Tgt Ion: 65 Resp: 100010  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 105.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: VY020540.D  
Acq: 06 Dec 2024 16:41

Tgt Ion: 114 Resp: 311988  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 44.8  
88 16.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.255 ug/l

RT: 7.640 min Scan# 97

Delta R.T. -0.006 min

Lab File: VY020540.D

Acq: 06 Dec 2024 16:41

Instrument :

MSVOA\_Y

ClientSampleId :

MH-B-VOC

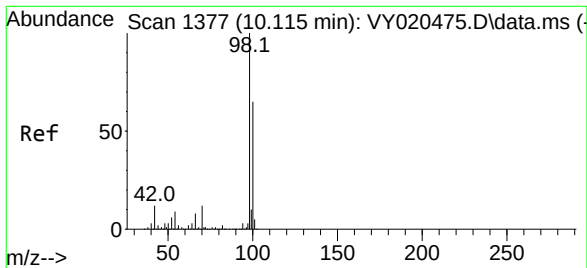
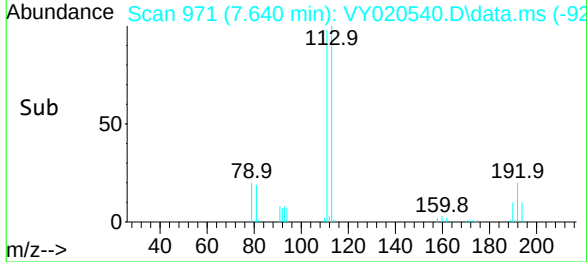
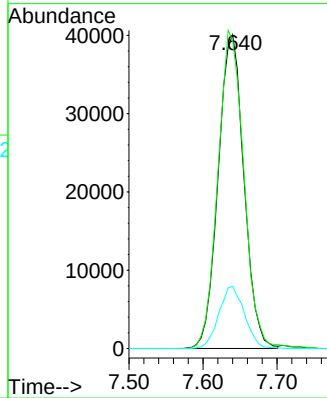
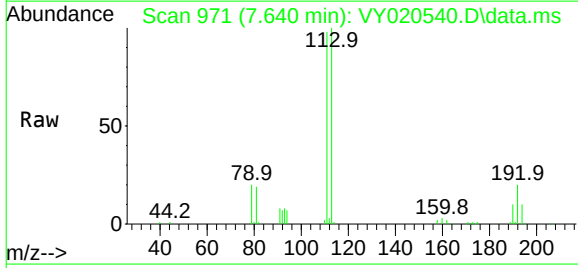
Tgt Ion:113 Resp: 96742

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

192 19.7 15.1 22.7



#50

Toluene-d8

Concen: 50.127 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY020540.D

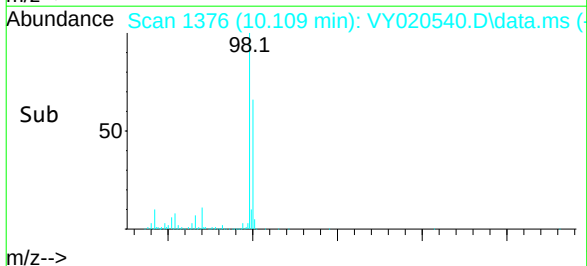
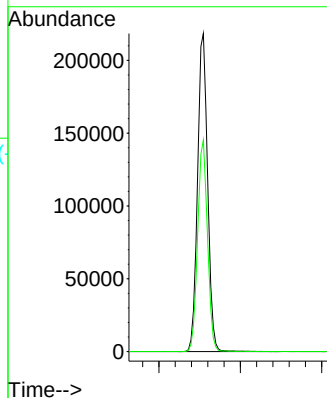
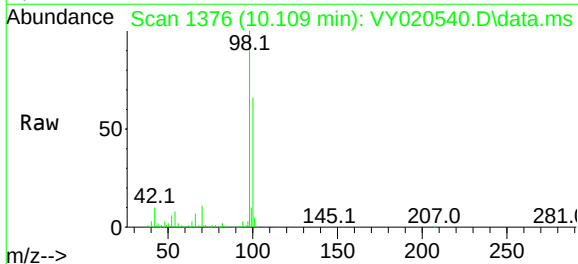
Acq: 06 Dec 2024 16:41

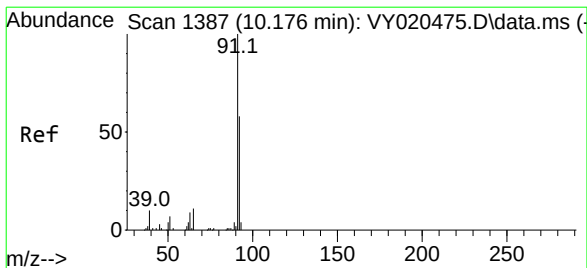
Tgt Ion: 98 Resp: 374899

Ion Ratio Lower Upper

98 100

100 65.1 51.3 76.9





#52

Toluene

Concen: 2.084 ug/l

RT: 10.170 min Scan# 13

Delta R.T. -0.006 min

Lab File: VY020540.D

Acq: 06 Dec 2024 16:41

Instrument :

MSVOA\_Y

ClientSampleId :

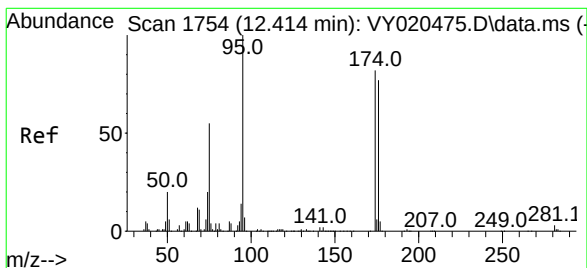
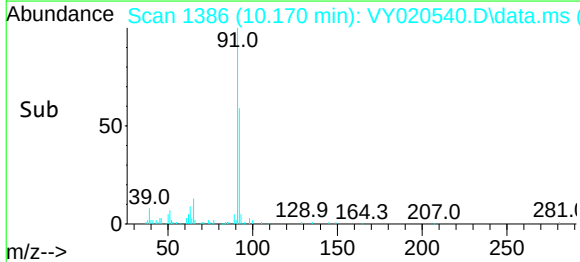
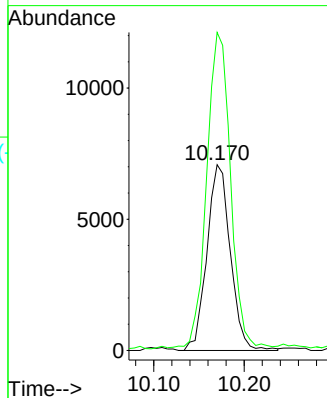
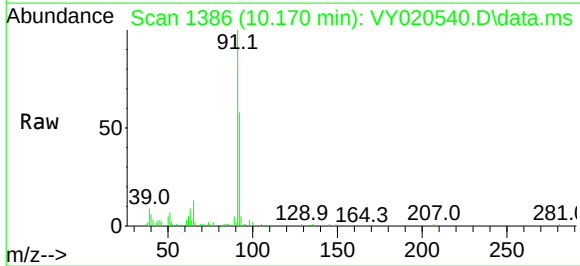
MH-B-VOC

Tgt Ion: 92 Resp: 12718

Ion Ratio Lower Upper

92 100

91 170.3 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 45.461 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY020540.D

Acq: 06 Dec 2024 16:41

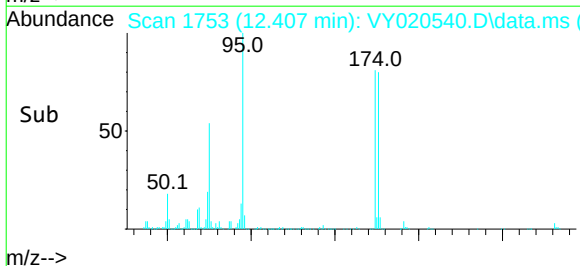
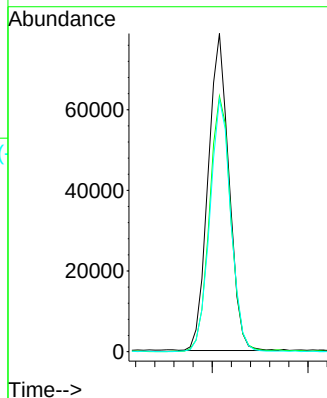
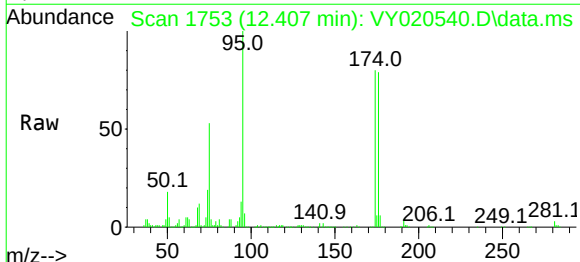
Tgt Ion: 95 Resp: 118916

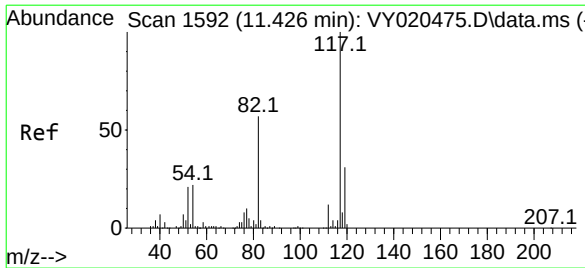
Ion Ratio Lower Upper

95 100

174 82.5 0.0 156.8

176 80.2 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 15

Delta R.T. -0.012 min

Lab File: VY020540.D

Acq: 06 Dec 2024 16:41

Instrument :

MSVOA\_Y

ClientSampleId :

MH-B-VOC

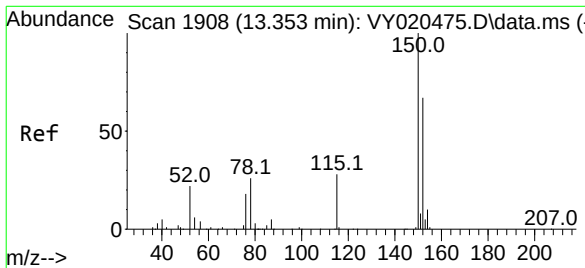
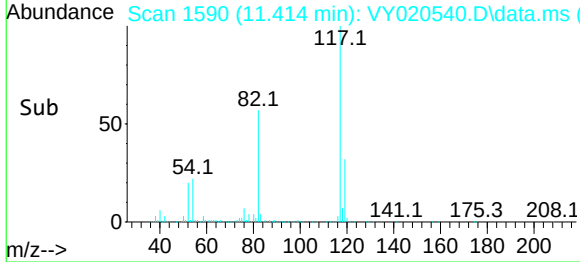
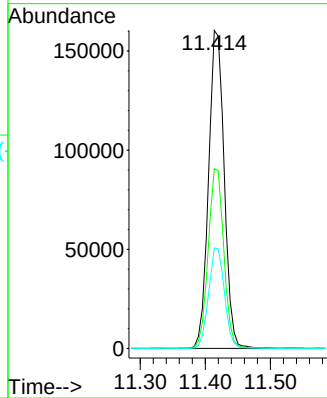
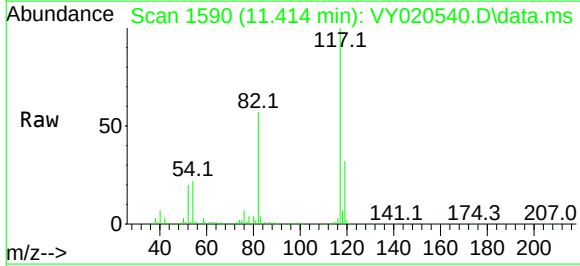
Tgt Ion:117 Resp: 267262

Ion Ratio Lower Upper

117 100

82 56.5 48.2 72.4

119 31.6 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY020540.D

Acq: 06 Dec 2024 16:41

Tgt Ion:152 Resp: 107848

Ion Ratio Lower Upper

152 100

115 59.0 30.0 90.0

150 155.2 0.0 348.2

