

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061225\  
 Data File : VY022677.D  
 Acq On : 12 Jun 2025 16:32  
 Operator : SY/MD  
 Sample : Q2295-02  
 Misc : 6.62g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP01-MH1-VOC

Quant Time: Jun 13 05:43:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 10 15:26:14 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.701  | 168  | 220529   | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.609  | 114  | 412236   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 344431   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.340 | 152  | 132272   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 126127   | 51.136   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 102.280% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 125394   | 50.962   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.920% |
| 50) Toluene-d8              | 10.103 | 98    | 498952   | 50.185   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.380% |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 131524   | 44.400   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 88.800%  |

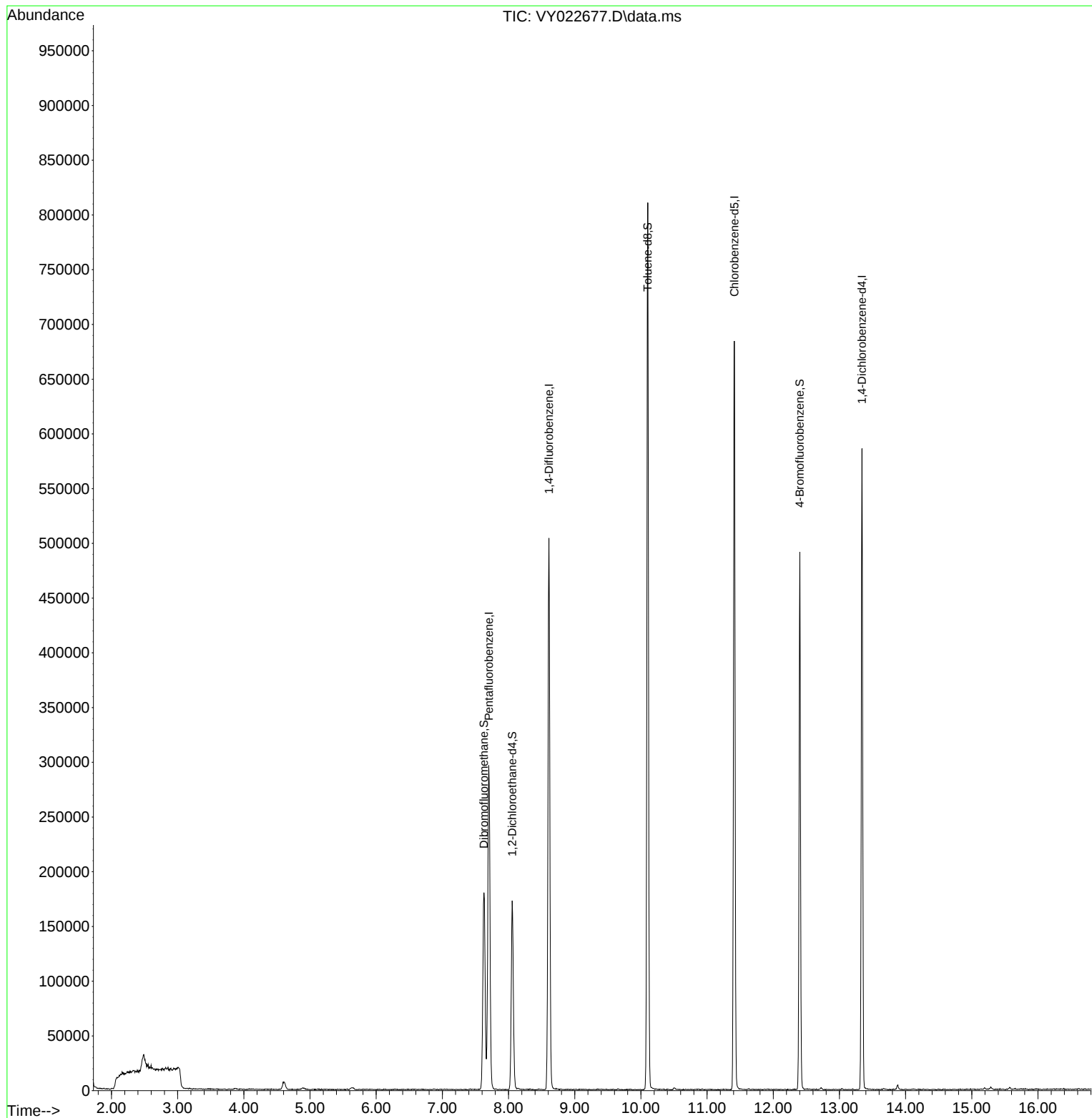
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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TP01-MH1-VOC

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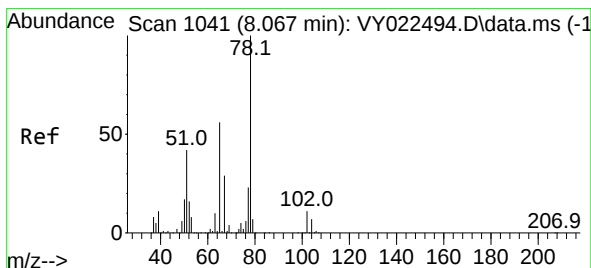
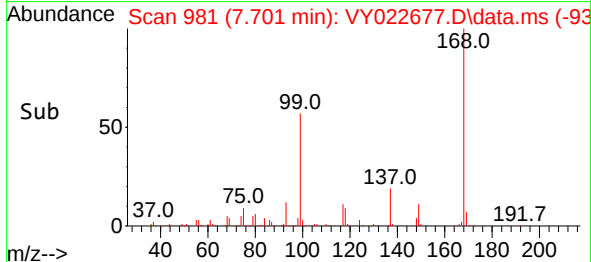
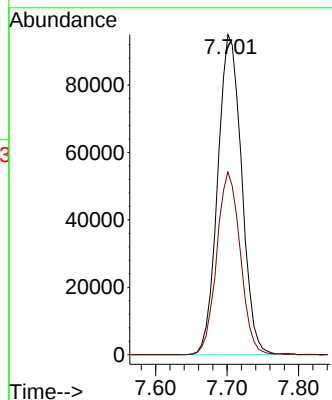
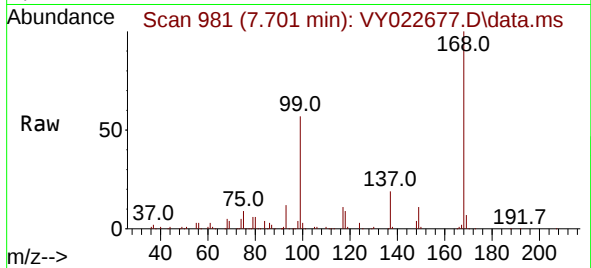




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY022677.D  
Acq: 12 Jun 2025 16:32

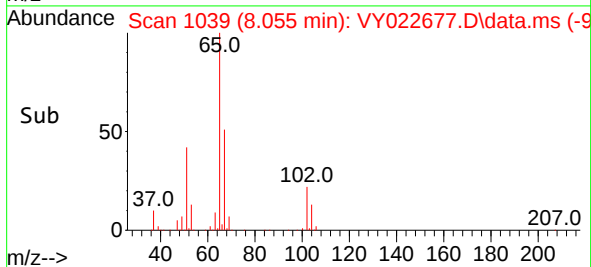
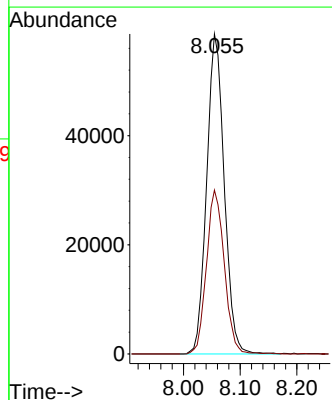
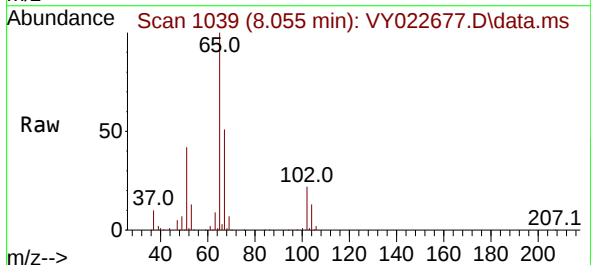
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP01-MH1-VOC

Tgt Ion:168 Resp: 220529  
Ion Ratio Lower Upper  
168 100  
99 57.1 44.3 66.5



#33  
1,2-Dichloroethane-d4  
Concen: 51.136 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. -0.012 min  
Lab File: VY022677.D  
Acq: 12 Jun 2025 16:32

Tgt Ion: 65 Resp: 126127  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022677.D

Acq: 12 Jun 2025 16:32

Instrument :

MSVOA\_Y

ClientSampleId :

TP01-MH1-VOC

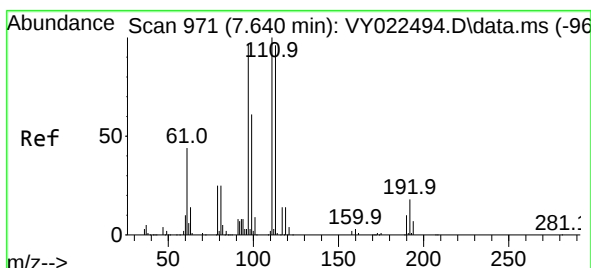
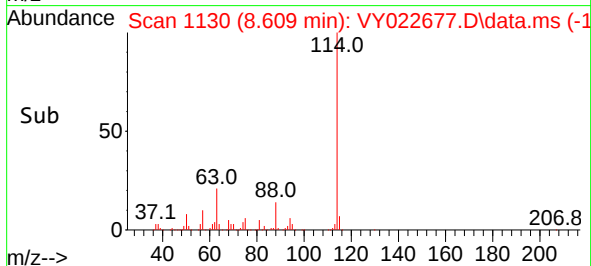
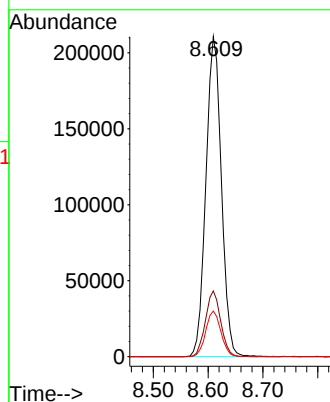
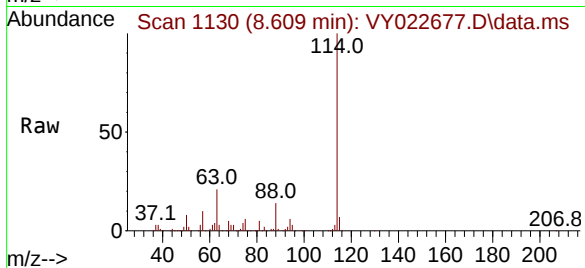
Tgt Ion:114 Resp: 412236

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 14.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.962 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022677.D

Acq: 12 Jun 2025 16:32

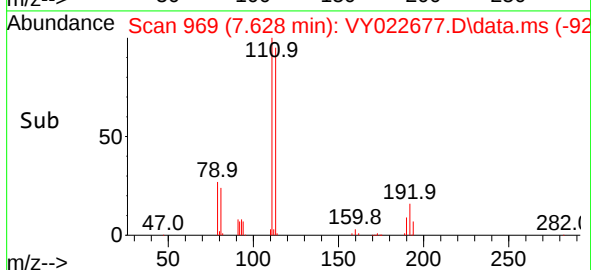
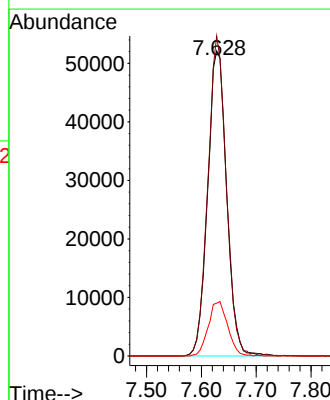
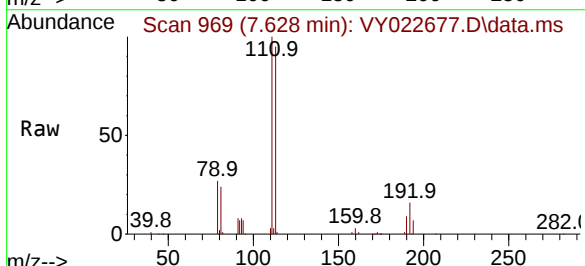
Tgt Ion:113 Resp: 125394

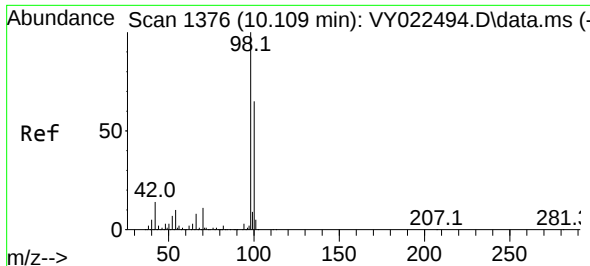
Ion Ratio Lower Upper

113 100

111 101.6 81.1 121.7

192 18.2 14.2 21.2

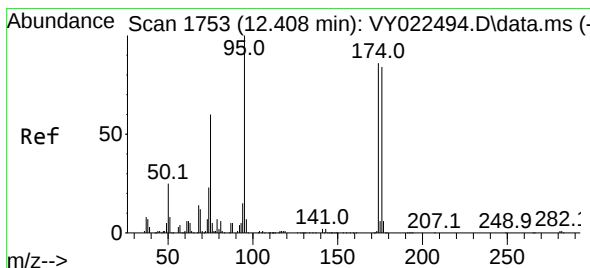
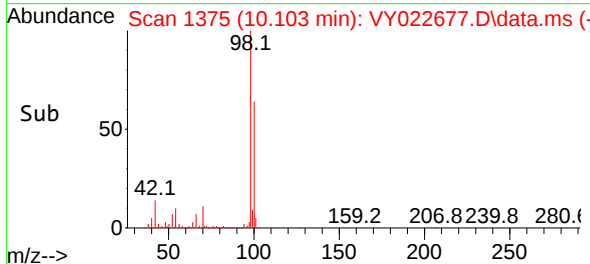
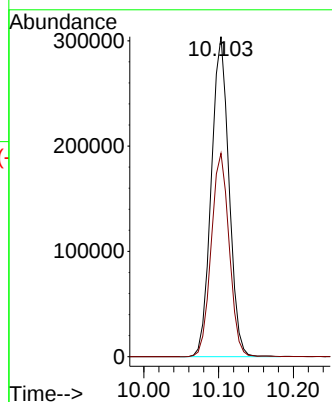
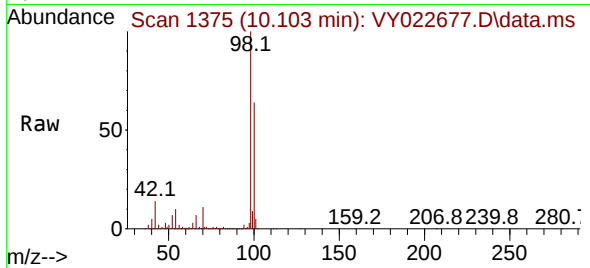




#50  
Toluene-d8  
Concen: 50.185 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.006 min  
Lab File: VY022677.D  
Acq: 12 Jun 2025 16:32

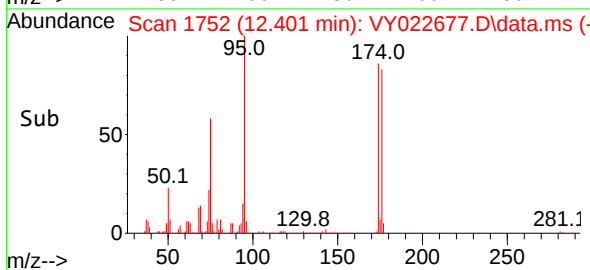
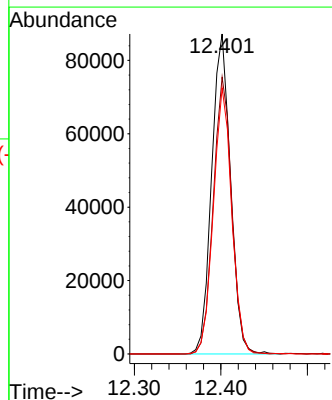
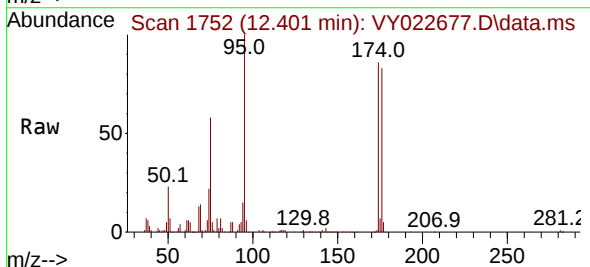
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TP01-MH1-VOC

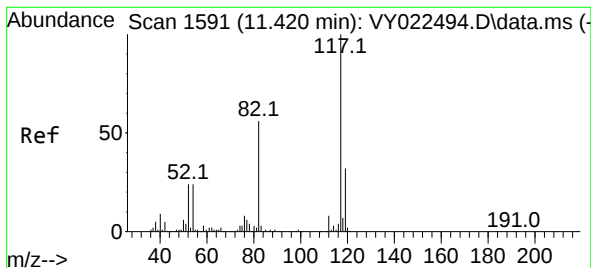
Tgt Ion: 98 Resp: 498952  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 44.400 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY022677.D  
Acq: 12 Jun 2025 16:32

Tgt Ion: 95 Resp: 131524  
Ion Ratio Lower Upper  
95 100  
174 85.5 0.0 170.0  
176 81.3 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY022677.D

Acq: 12 Jun 2025 16:32

Instrument :

MSVOA\_Y

ClientSampleId :

TP01-MH1-VOC

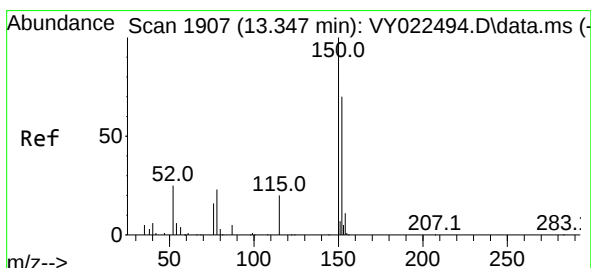
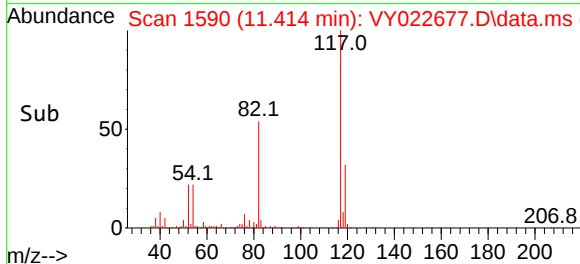
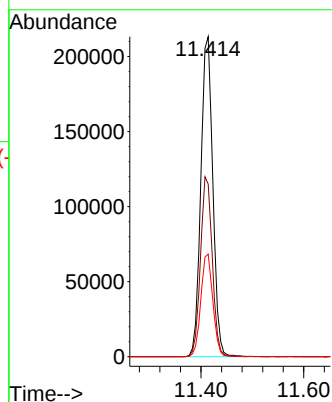
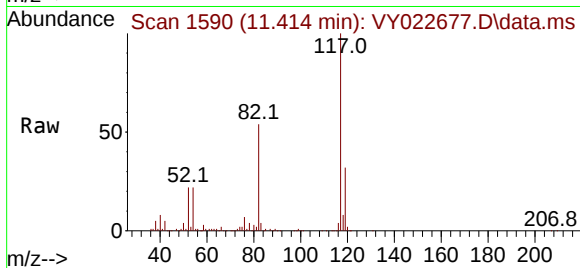
Tgt Ion:117 Resp: 344431

Ion Ratio Lower Upper

117 100

82 53.9 44.6 66.8

119 32.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022677.D

Acq: 12 Jun 2025 16:32

Tgt Ion:152 Resp: 132272

Ion Ratio Lower Upper

152 100

115 56.5 28.9 86.7

150 154.6 0.0 349.6

