

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010923\  
 Data File : VY012125.D  
 Acq On : 09 Jan 2023 20:51  
 Operator : KP/MD  
 Sample : 01057-04  
 Misc : 6.95g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VOC-3

Quant Time: Jan 10 01:51:34 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 07 01:46:48 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 192709   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 301733   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 243179   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 91812    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 76421    | 35.292   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 70.580% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 80740    | 40.711   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 81.420% |
| 50) Toluene-d8              | 10.179 | 98    | 351580   | 44.914   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 89.820% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 87693    | 32.049   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 64.100% |

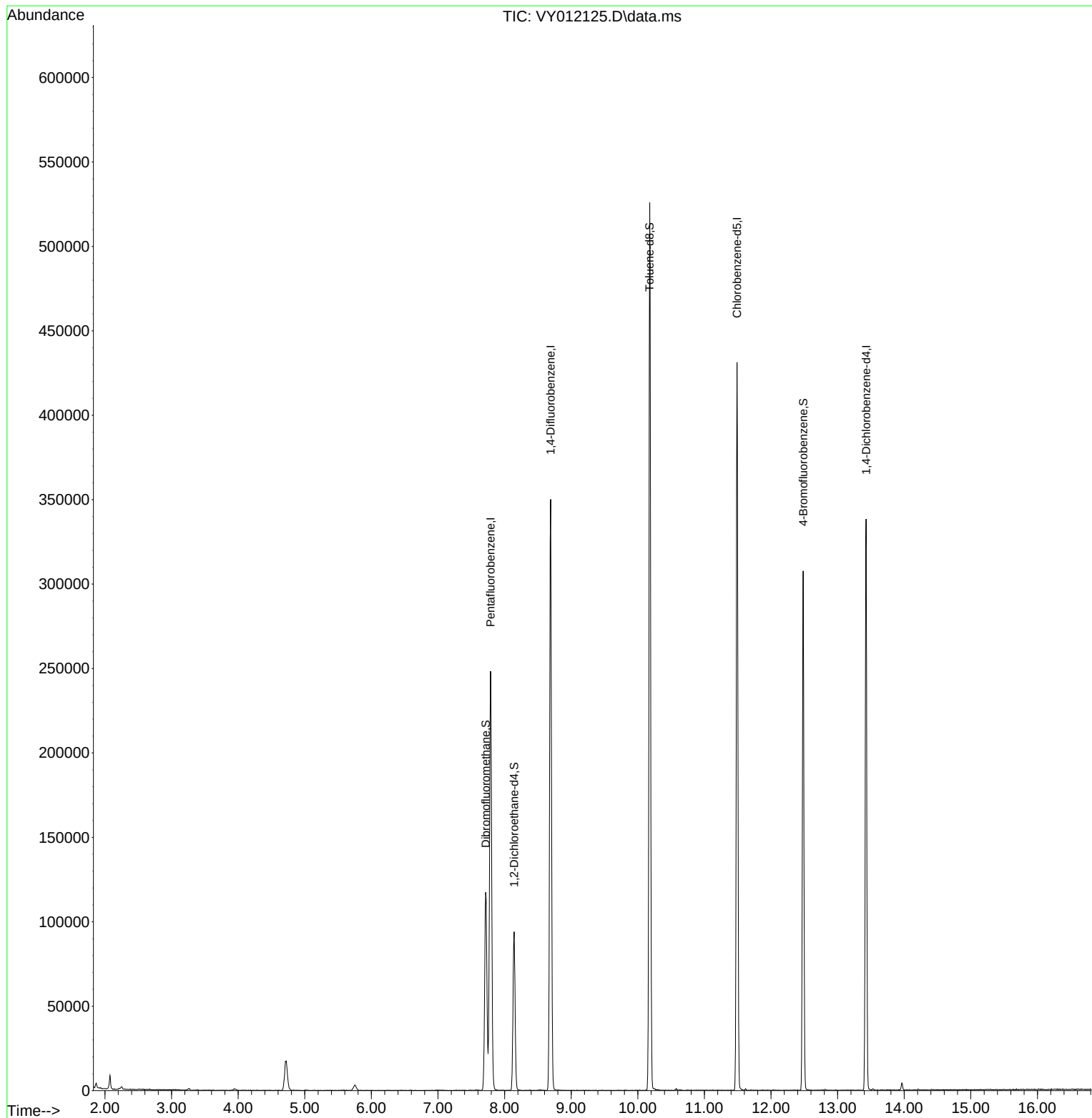
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

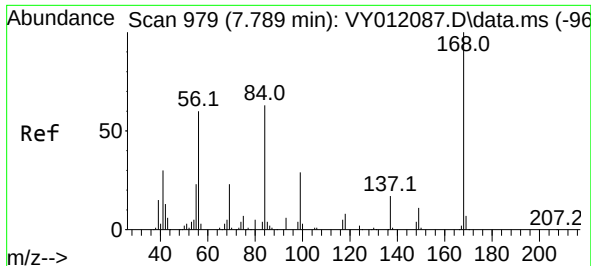
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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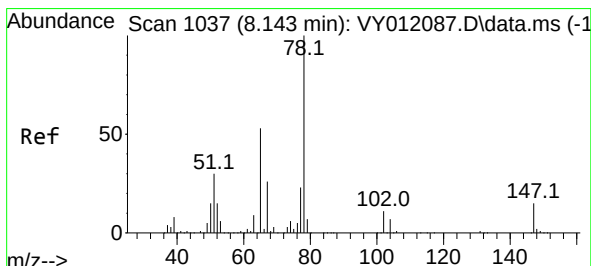
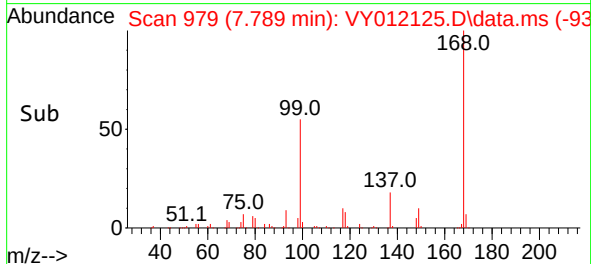
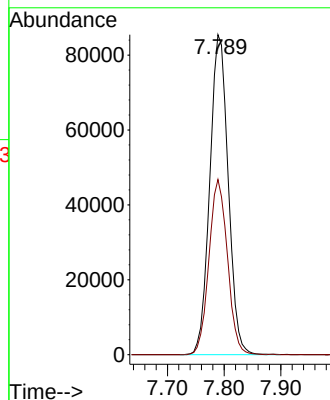
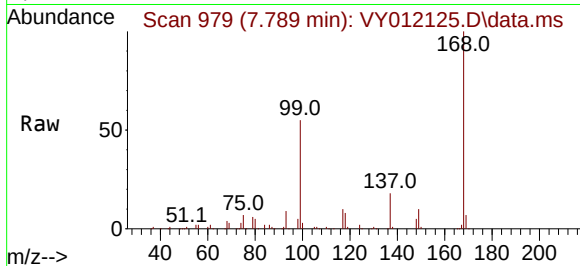




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012125.D  
Acq: 09 Jan 2023 20:51

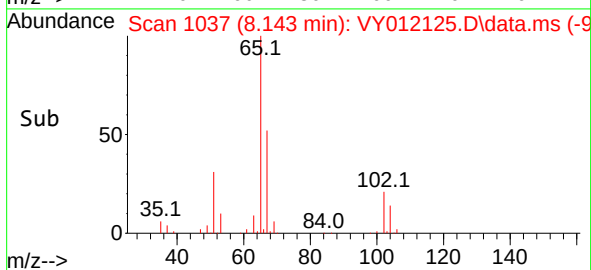
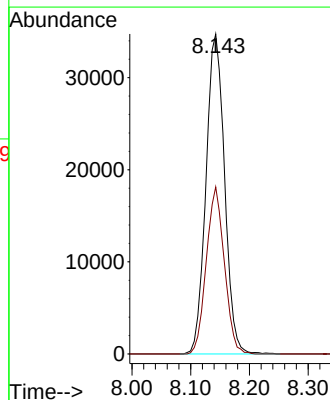
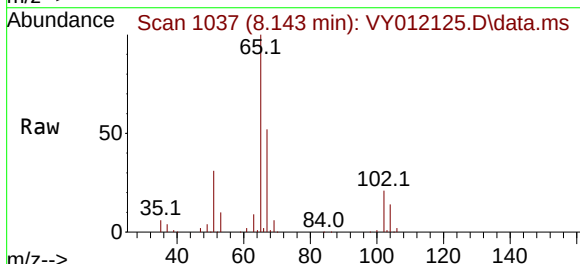
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC-3

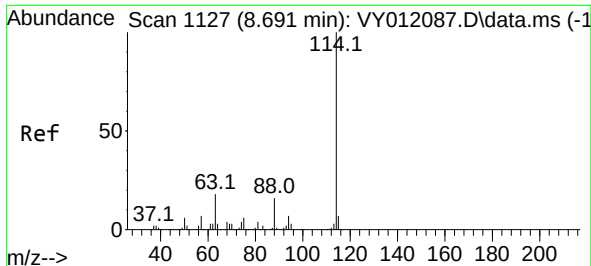
Tgt Ion:168 Resp: 192709  
Ion Ratio Lower Upper  
168 100  
99 54.8 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 35.292 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012125.D  
Acq: 09 Jan 2023 20:51

Tgt Ion: 65 Resp: 76421  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012125.D

Acq: 09 Jan 2023 20:51

Instrument :

MSVOA\_Y

ClientSampleId :

VOC-3

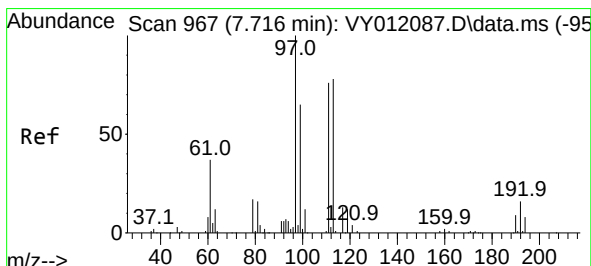
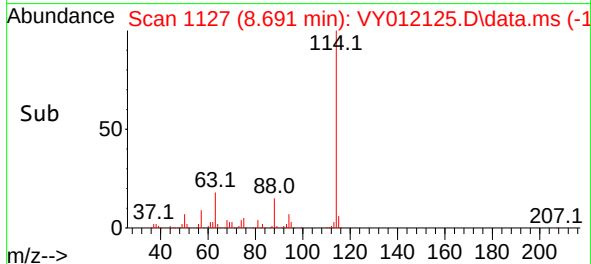
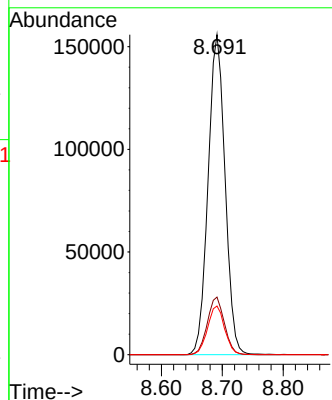
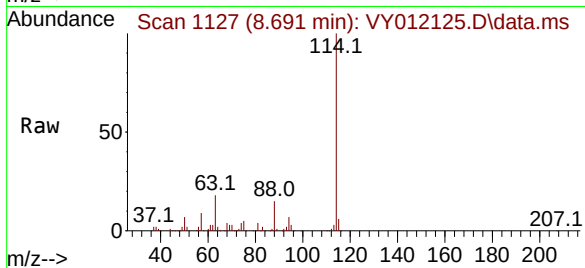
Tgt Ion:114 Resp: 301733

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.6

88 15.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 40.711 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012125.D

Acq: 09 Jan 2023 20:51

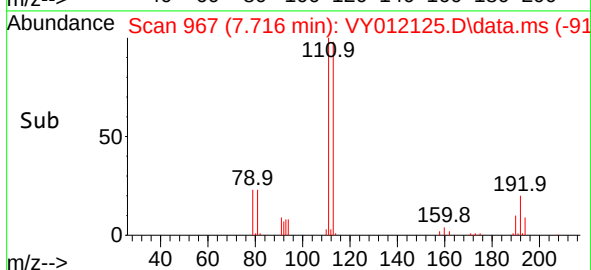
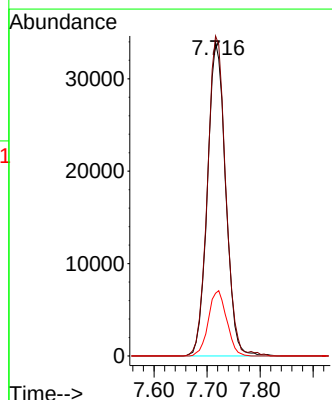
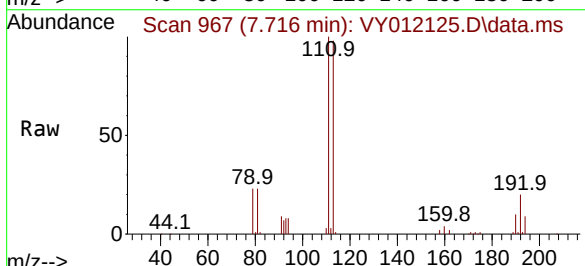
Tgt Ion:113 Resp: 80740

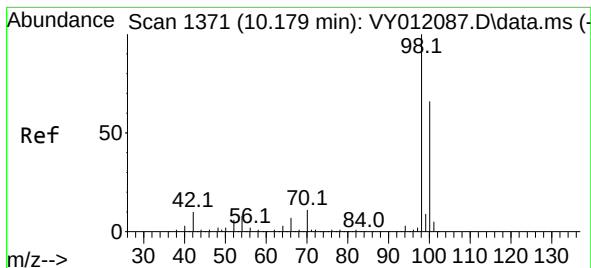
Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.4

192 21.0 16.0 24.0





#50

Toluene-d8

Concen: 44.914 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012125.D

Acq: 09 Jan 2023 20:51

Instrument :

MSVOA\_Y

ClientSampleId :

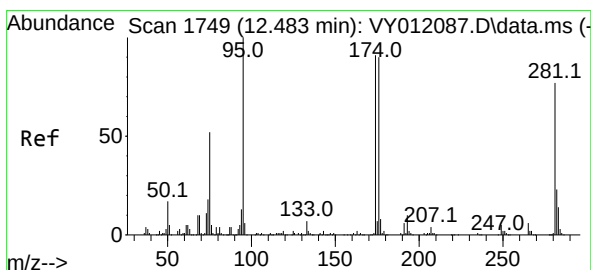
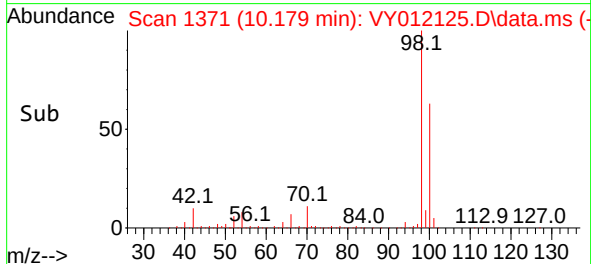
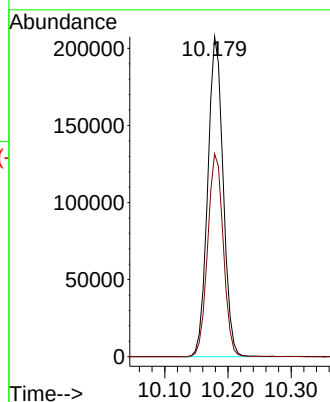
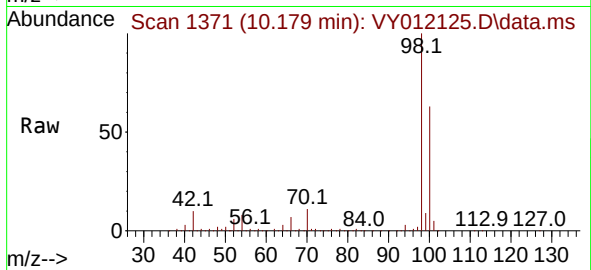
VOC-3

Tgt Ion: 98 Resp: 351580

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 32.049 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012125.D

Acq: 09 Jan 2023 20:51

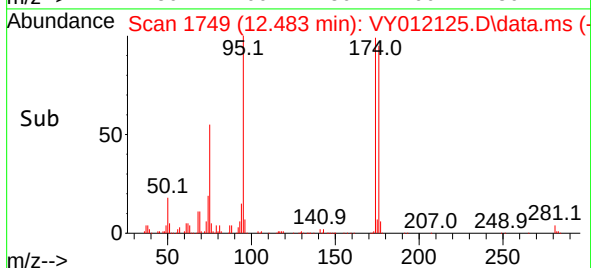
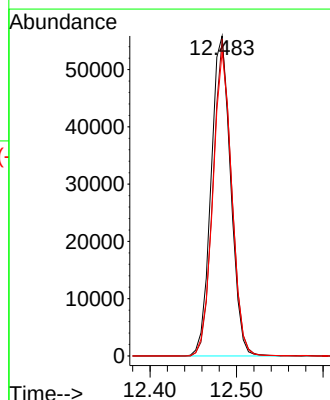
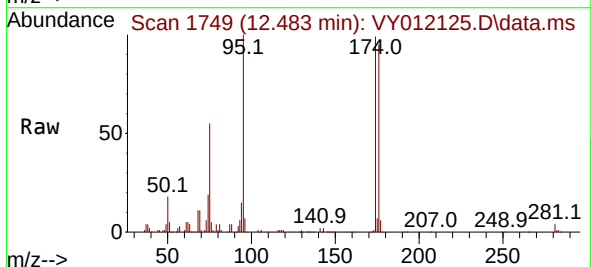
Tgt Ion: 95 Resp: 87693

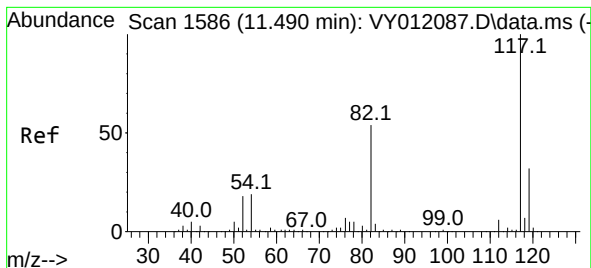
Ion Ratio Lower Upper

95 100

174 93.5 0.0 172.0

176 91.8 0.0 167.6

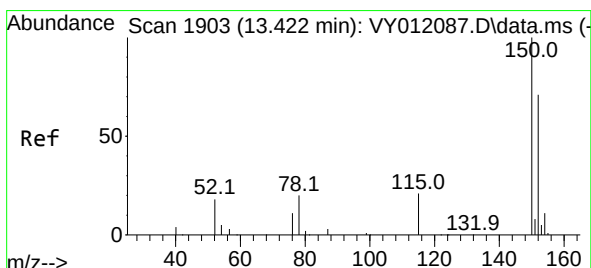
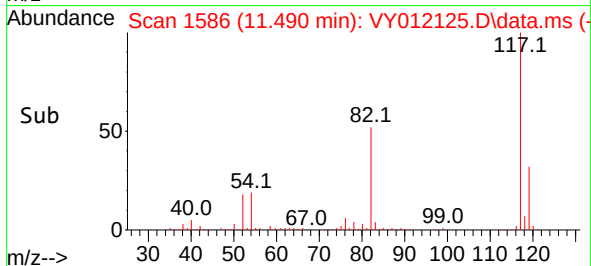
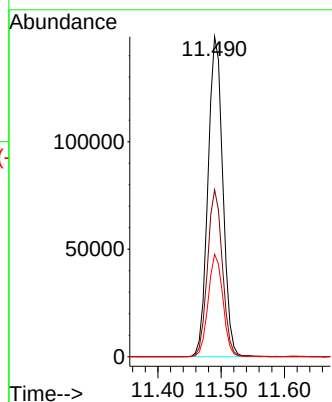
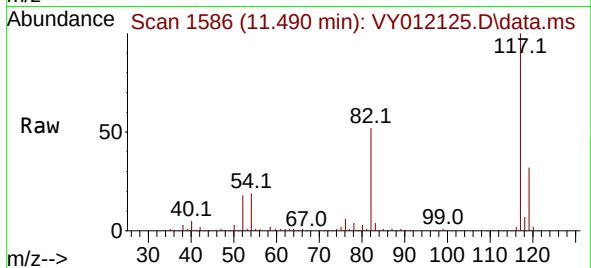




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012125.D  
Acq: 09 Jan 2023 20:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC-3

Tgt Ion:117 Resp: 243179  
Ion Ratio Lower Upper  
117 100  
82 52.1 44.8 67.2  
119 32.0 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY012125.D  
Acq: 09 Jan 2023 20:51

Tgt Ion:152 Resp: 91812  
Ion Ratio Lower Upper  
152 100  
115 56.5 29.1 87.3  
150 156.7 0.0 342.6

