

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061124\  
 Data File : VY018564.D  
 Acq On : 11 Jun 2024 18:00  
 Operator : SY/MD  
 Sample : P2784-03  
 Misc : 6.29g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WCS-TPD-VOC

Quant Time: Jun 12 03:05:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 07:11:56 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 46840    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 95770    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 90303    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 32362    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 52016    | 56.547   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 113.100% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 46611    | 38.381   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 76.760%  |
| 50) Toluene-d8              | 10.179 | 98    | 195080   | 40.378   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 80.760%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 51498    | 34.235   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 68.460%  |

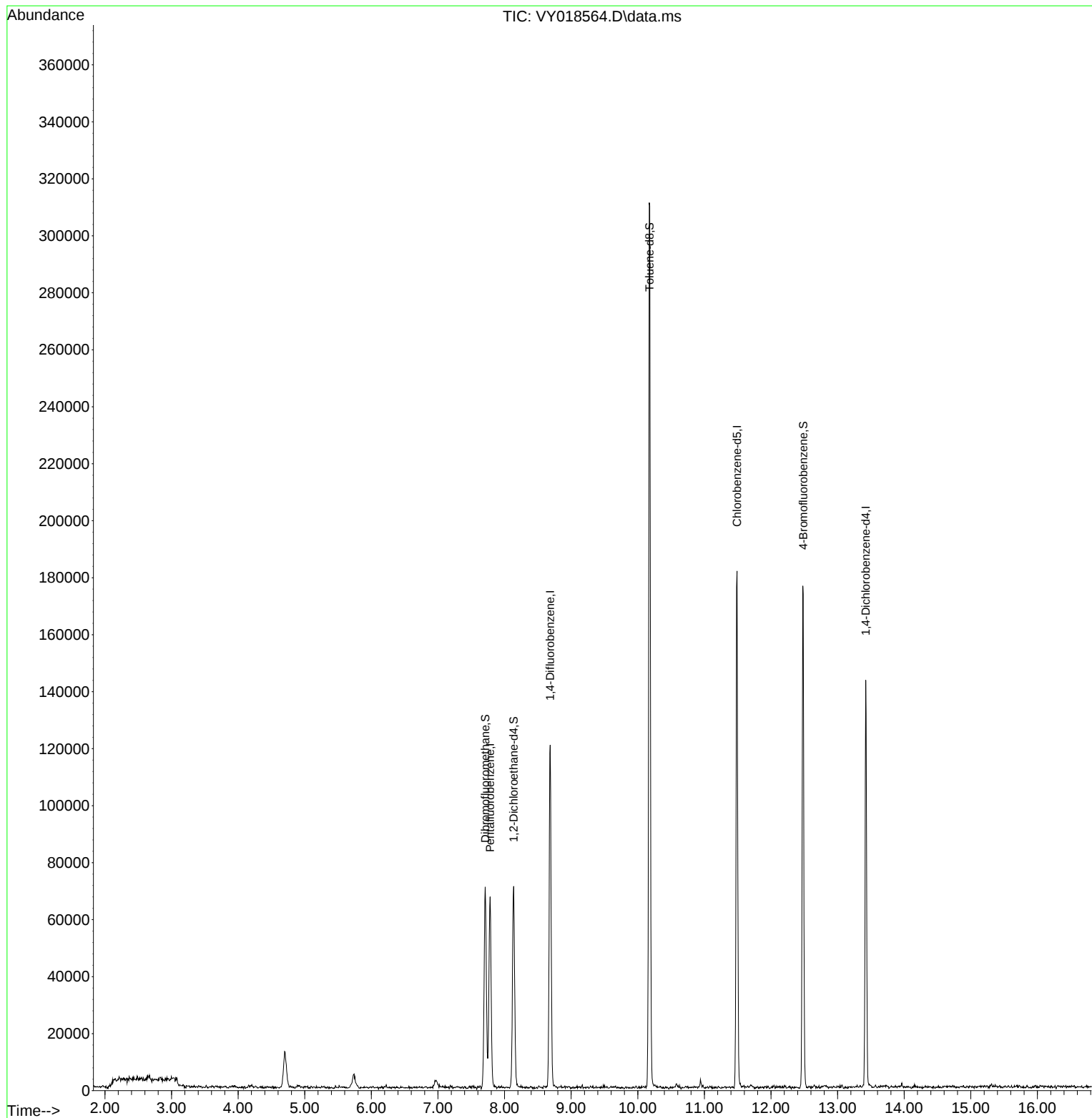
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

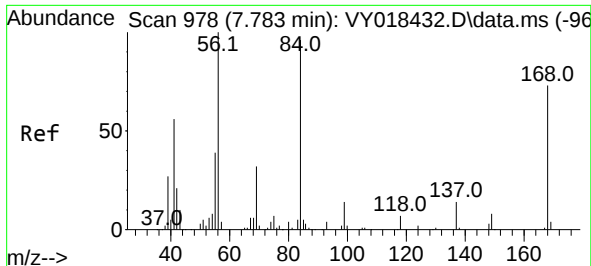
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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QLast Update : Tue Jun 04 07:11:56 2024  
Response via : Initial Calibration

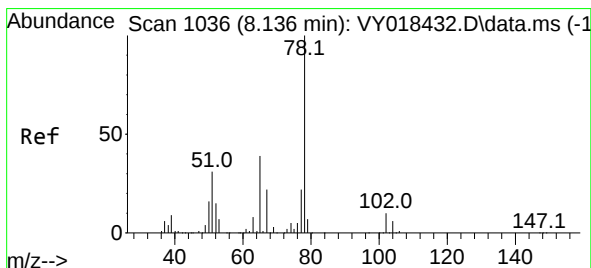
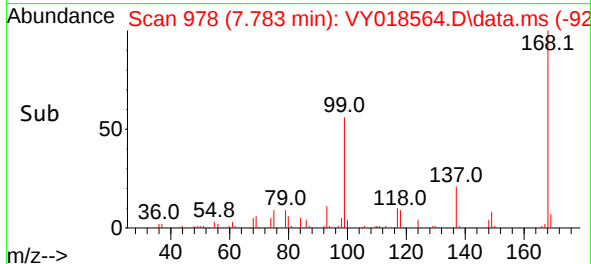
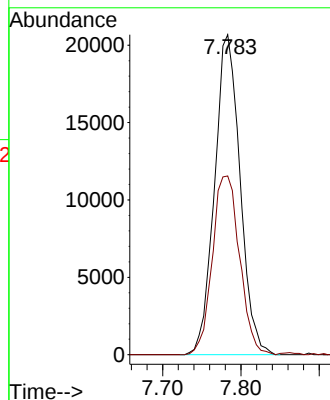
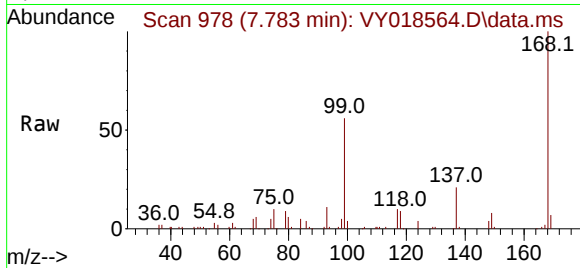




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY018564.D  
Acq: 11 Jun 2024 18:00

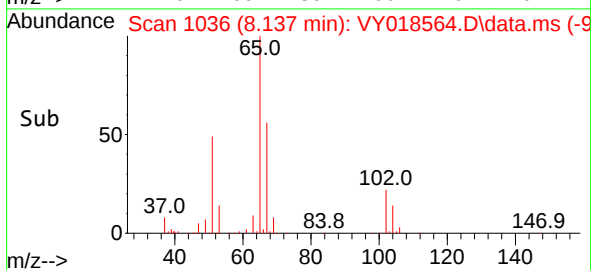
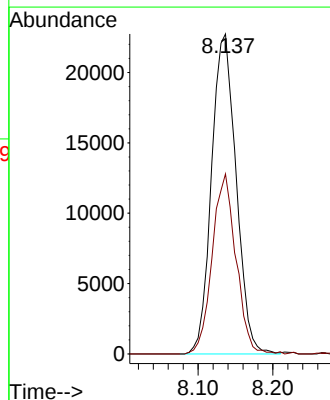
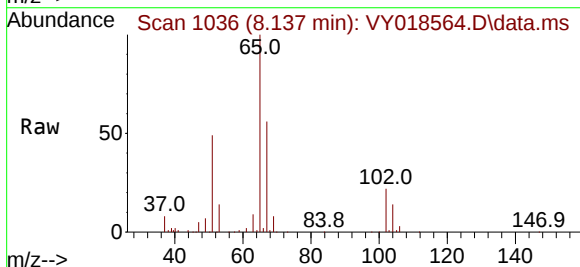
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WCS-TPD-VOC

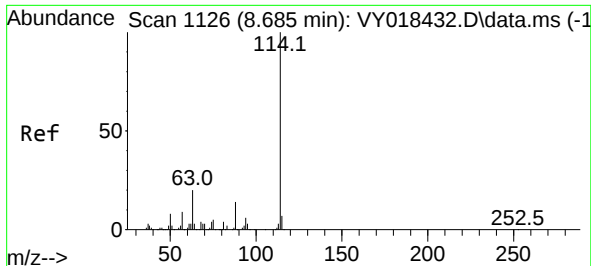
Tgt Ion:168 Resp: 46840  
Ion Ratio Lower Upper  
168 100  
99 55.9 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 56.547 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY018564.D  
Acq: 11 Jun 2024 18:00

Tgt Ion: 65 Resp: 52016  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 109.6

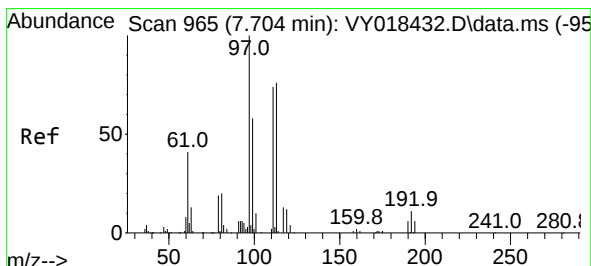
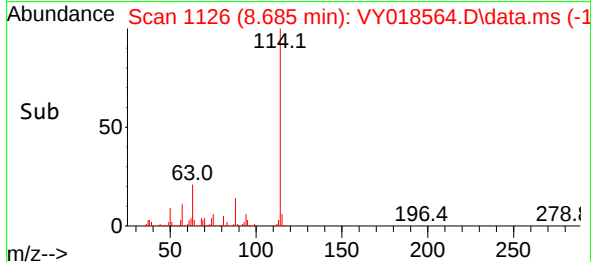
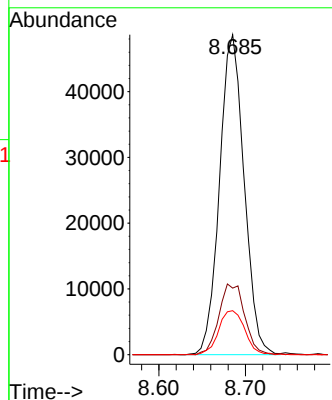
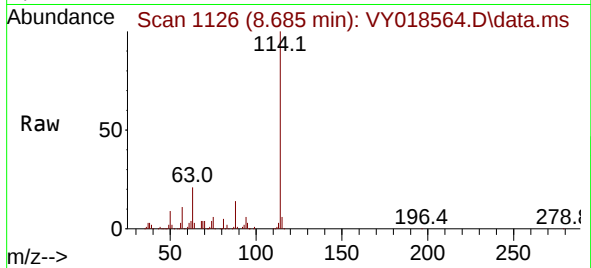




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY018564.D  
Acq: 11 Jun 2024 18:00

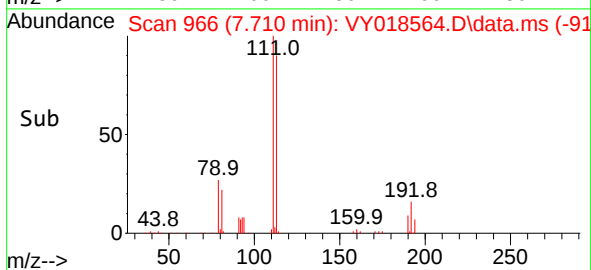
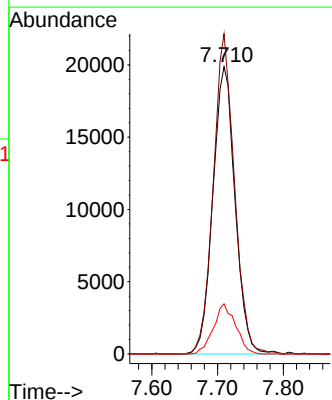
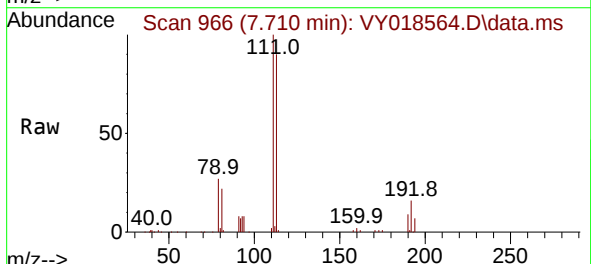
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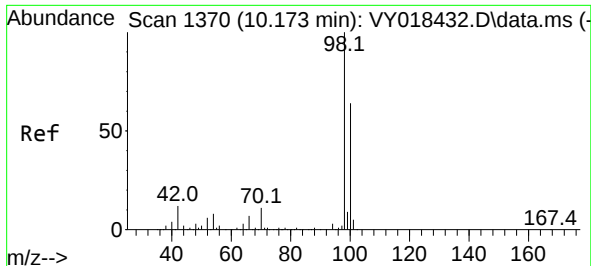
Tgt Ion:114 Resp: 95770  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 35.0  
88 13.8 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 38.381 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. 0.006 min  
Lab File: VY018564.D  
Acq: 11 Jun 2024 18:00

Tgt Ion:113 Resp: 46611  
Ion Ratio Lower Upper  
113 100  
111 106.4 82.2 123.4  
192 17.5 15.9 23.9

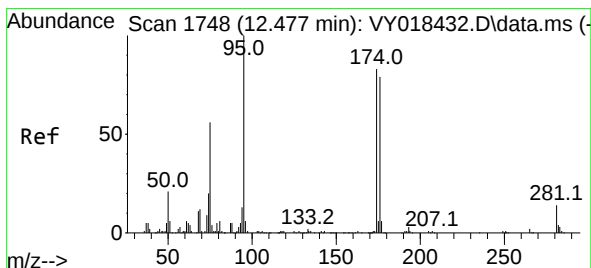
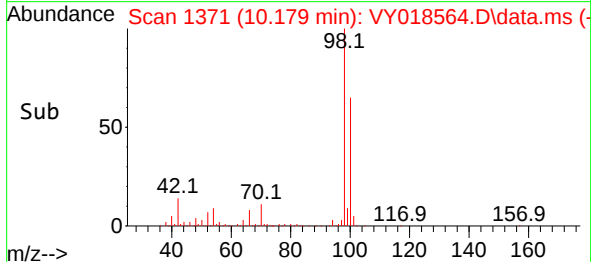
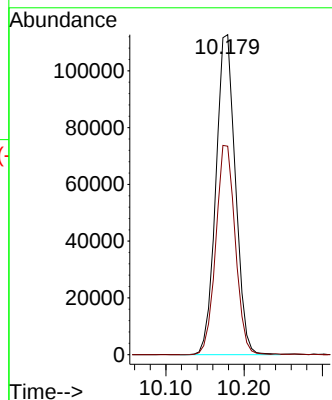
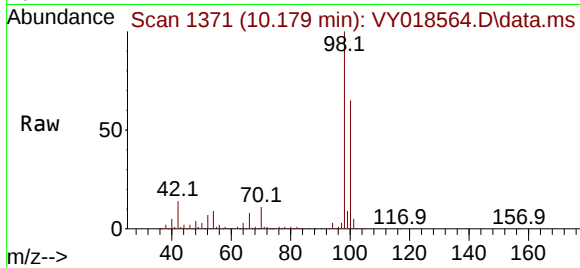




#50  
Toluene-d8  
Concen: 40.378 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY018564.D  
Acq: 11 Jun 2024 18:00

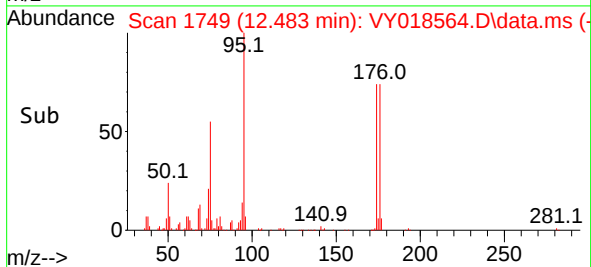
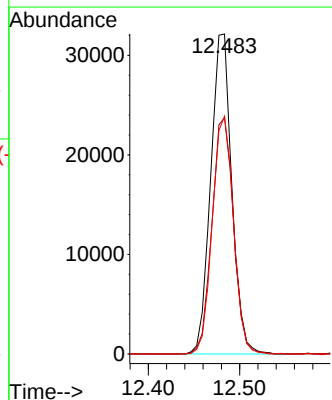
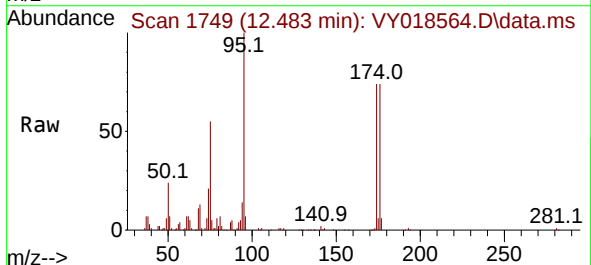
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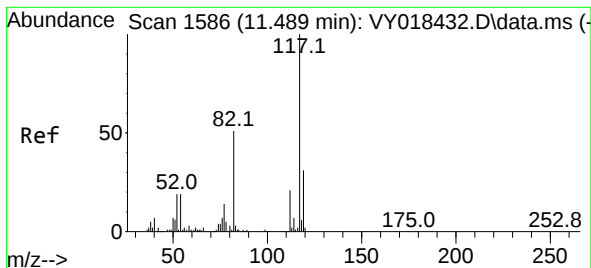
Tgt Ion: 98 Resp: 195080  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 34.235 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY018564.D  
Acq: 11 Jun 2024 18:00

Tgt Ion: 95 Resp: 51498  
Ion Ratio Lower Upper  
95 100  
174 75.7 0.0 175.6  
176 74.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018564.D

Acq: 11 Jun 2024 18:00

Instrument :

MSVOA\_Y

ClientSampleId :

WCS-TPD-VOC

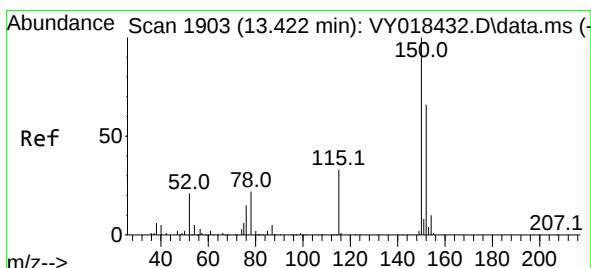
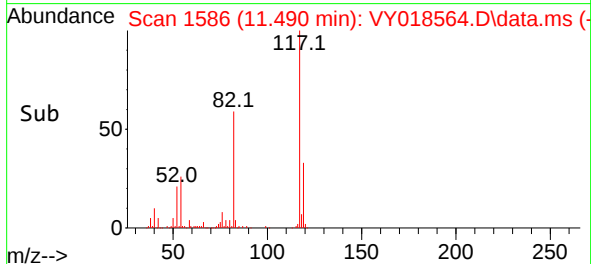
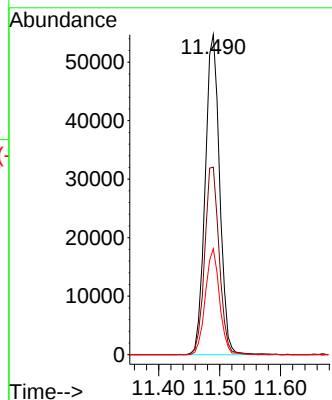
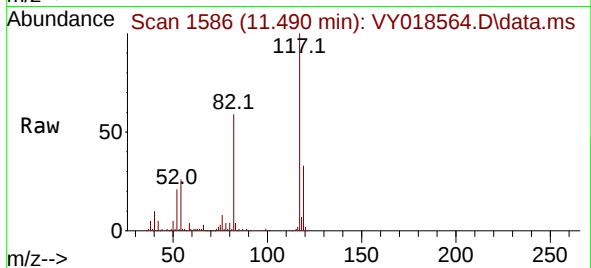
Tgt Ion:117 Resp: 90303

Ion Ratio Lower Upper

117 100

82 58.6 42.4 63.6

119 33.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018564.D

Acq: 11 Jun 2024 18:00

Tgt Ion:152 Resp: 32362

Ion Ratio Lower Upper

152 100

115 59.5 28.2 84.7

150 154.5 0.0 345.6

