

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD073024\  
 Data File : VD079466.D  
 Acq On : 30 Jul 2024 18:38  
 Operator : RP/MD  
 Sample : P3379-19  
 Misc : 6.05G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OU4-VSL-05-072324

Quant Time: Jul 31 01:56:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:50:47 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 177278   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 326943   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 297576   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 119739   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 86725    | 48.154   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 96.300% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 102484   | 46.312   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 92.620% |
| 50) Toluene-d8              | 10.269 | 98    | 361361   | 42.050   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 84.100% |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 88510    | 35.592   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 71.180% |

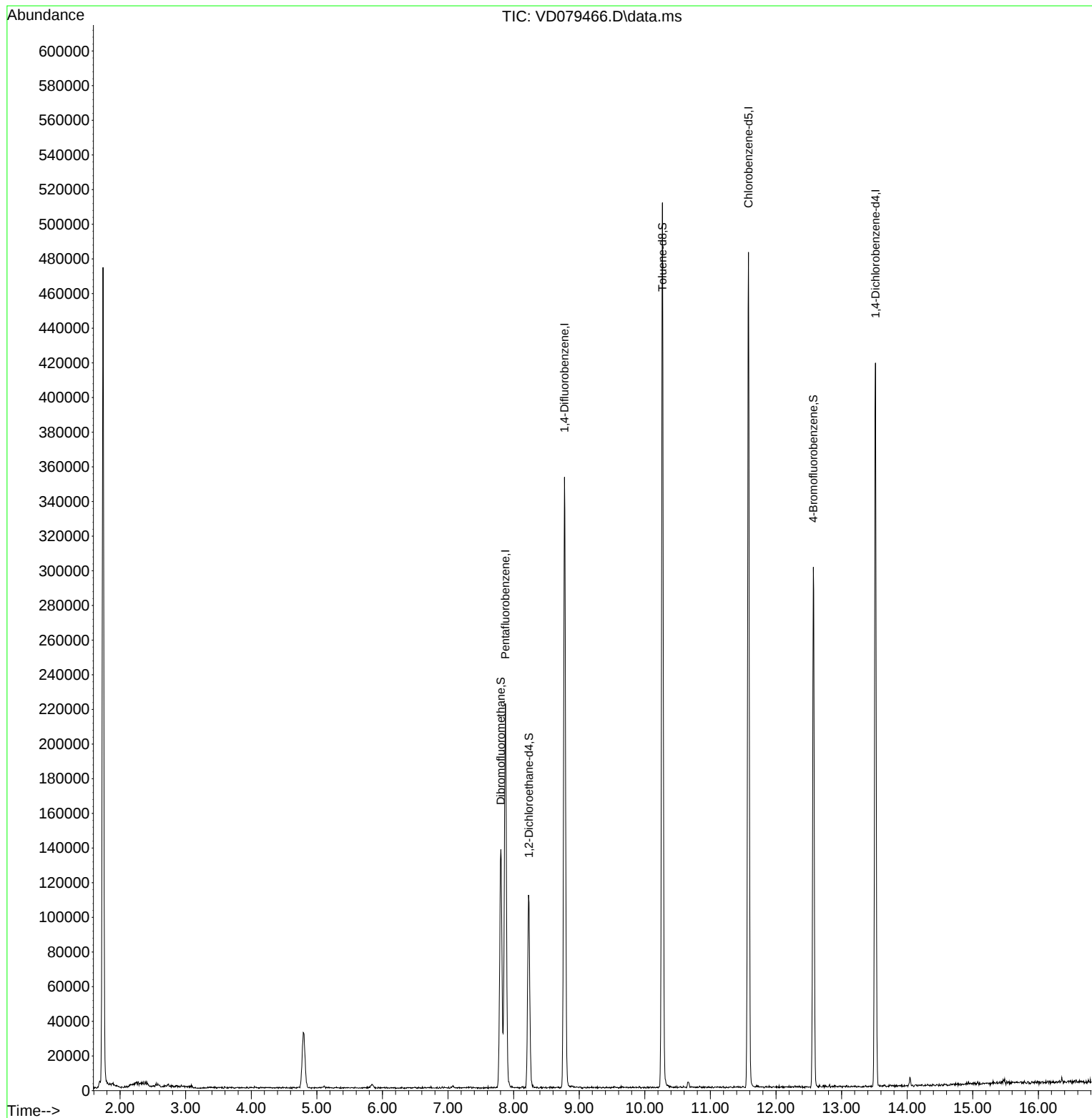
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

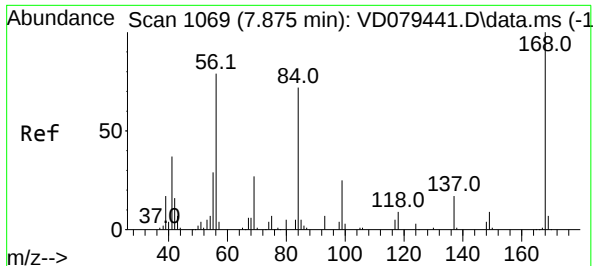
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-VSL-05-072324

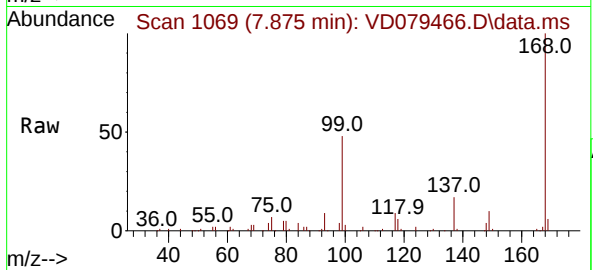
Quant Time: Jul 31 01:56:13 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:50:47 2024  
Response via : Initial Calibration



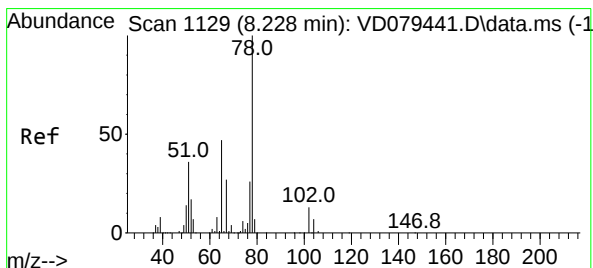
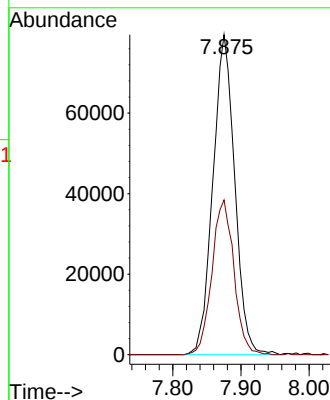
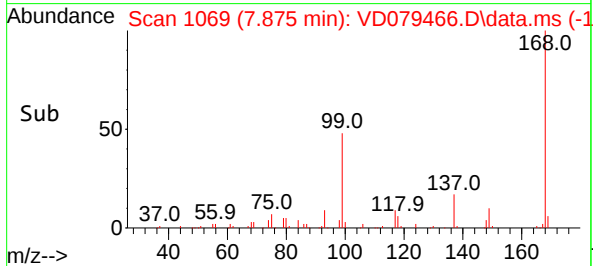


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VD079466.D  
Acq: 30 Jul 2024 18:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU4-VSL-05-072324

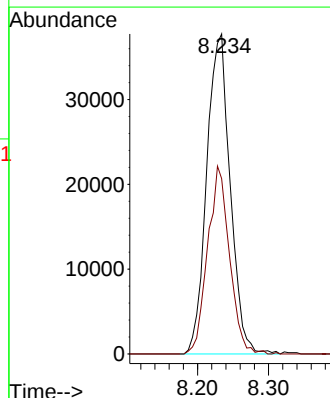
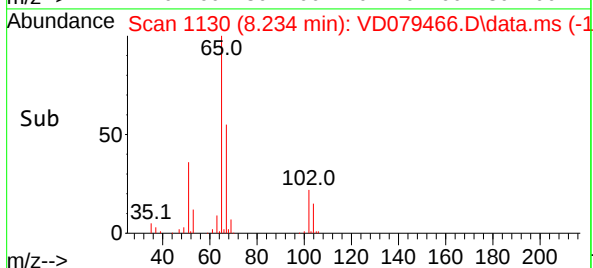
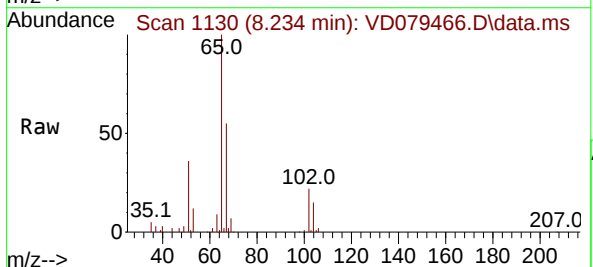


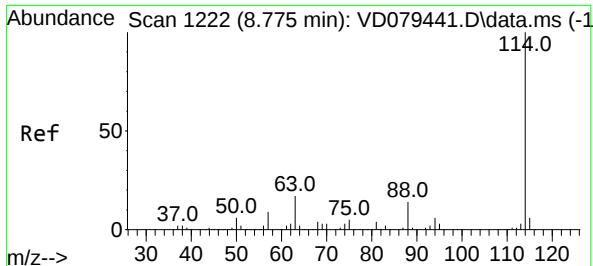
Tgt Ion:168 Resp: 177278  
Ion Ratio Lower Upper  
168 100  
99 48.3 41.1 61.7



#33  
1,2-Dichloroethane-d4  
Concen: 48.154 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD079466.D  
Acq: 30 Jul 2024 18:38

Tgt Ion: 65 Resp: 86725  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD079466.D

Acq: 30 Jul 2024 18:38

Instrument :

MSVOA\_D

ClientSampleId :

OU4-VSL-05-072324

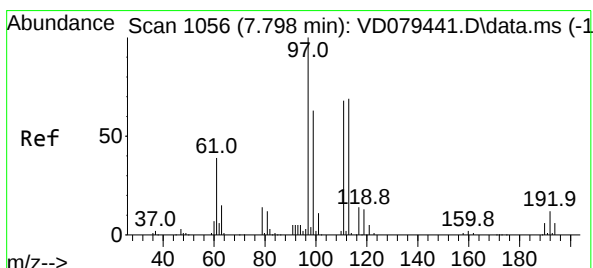
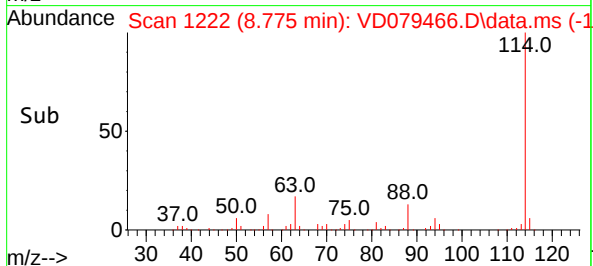
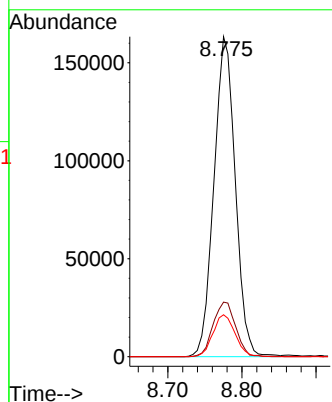
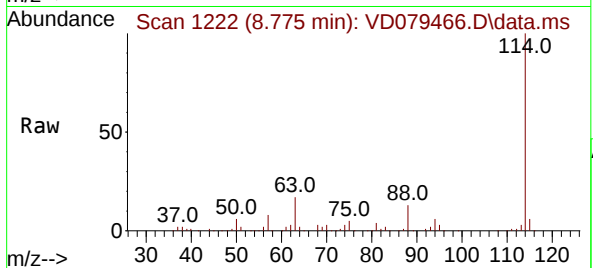
Tgt Ion:114 Resp: 326943

Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.0

88 13.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 46.312 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD079466.D

Acq: 30 Jul 2024 18:38

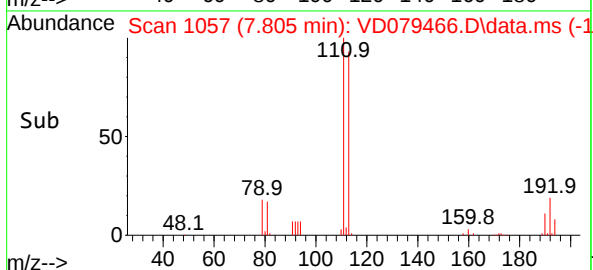
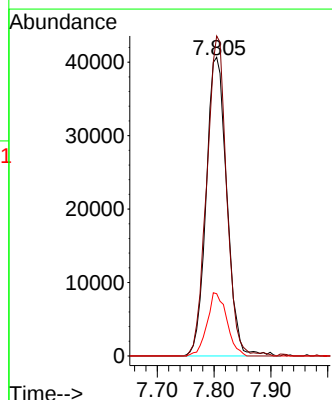
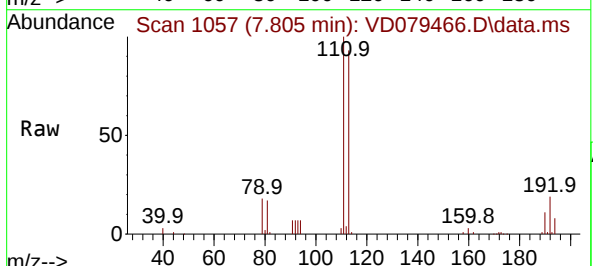
Tgt Ion:113 Resp: 102484

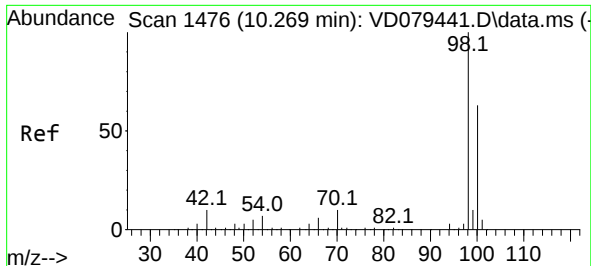
Ion Ratio Lower Upper

113 100

111 103.3 84.0 126.0

192 20.2 15.4 23.0

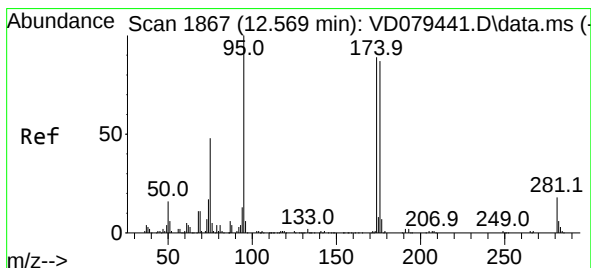
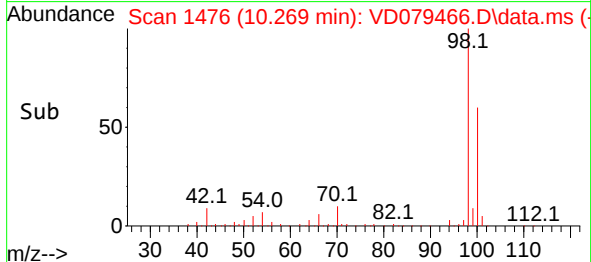
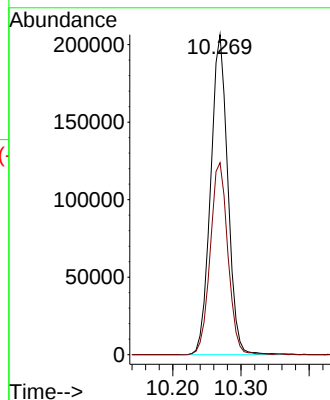
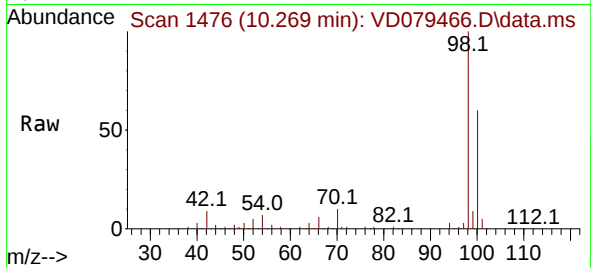




#50  
Toluene-d8  
Concen: 42.050 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VD079466.D  
Acq: 30 Jul 2024 18:38

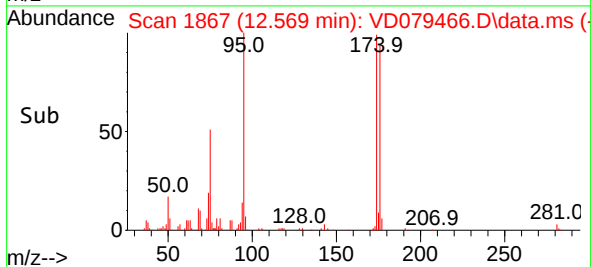
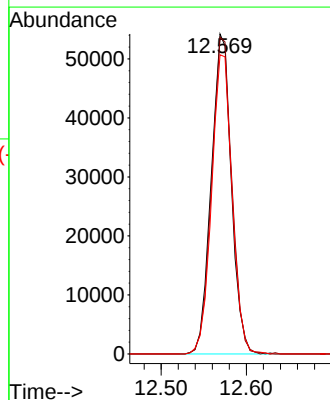
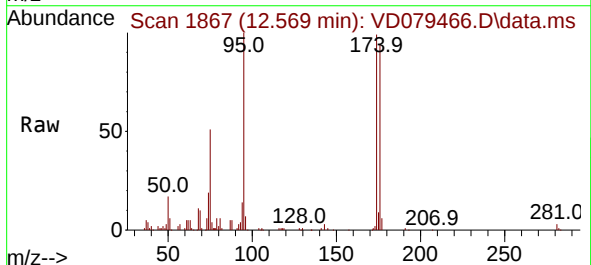
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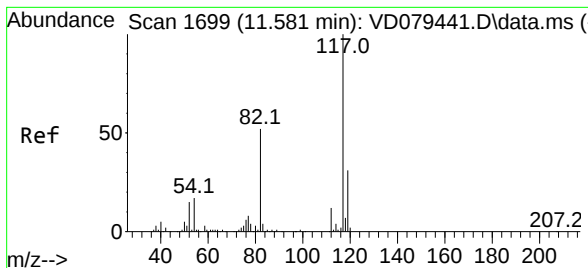
Tgt Ion: 98 Resp: 361361  
Ion Ratio Lower Upper  
98 100  
100 61.8 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 35.592 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD079466.D  
Acq: 30 Jul 2024 18:38

Tgt Ion: 95 Resp: 88510  
Ion Ratio Lower Upper  
95 100  
174 99.8 0.0 195.4  
176 95.3 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079466.D

Acq: 30 Jul 2024 18:38

Instrument :

MSVOA\_D

ClientSampleId :

OU4-VSL-05-072324

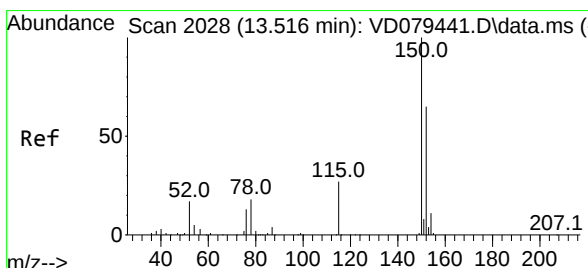
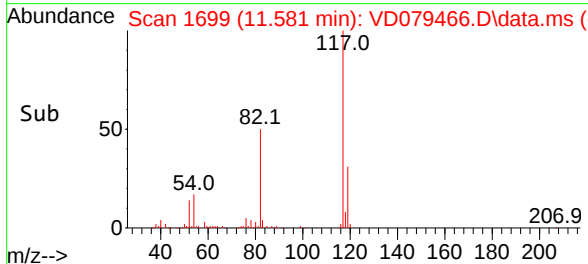
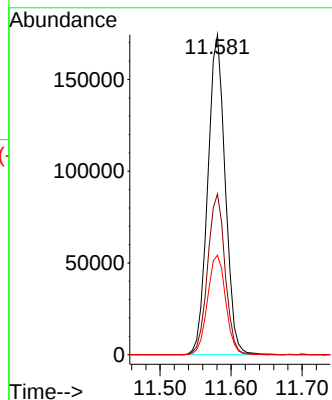
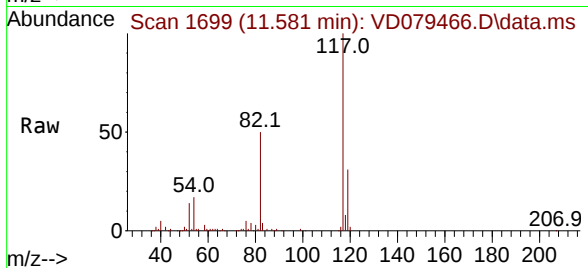
Tgt Ion:117 Resp: 297576

Ion Ratio Lower Upper

117 100

82 50.3 39.8 59.6

119 31.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.006 min

Lab File: VD079466.D

Acq: 30 Jul 2024 18:38

Tgt Ion:152 Resp: 119739

Ion Ratio Lower Upper

152 100

115 54.1 26.5 79.5

150 156.8 0.0 341.6

