

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD073024\  
 Data File : VD079457.D  
 Acq On : 30 Jul 2024 14:30  
 Operator : RP/MD  
 Sample : P3379-03  
 Misc : 6.70G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OU4-PCS-02-072324

Quant Time: Jul 31 01:52:52 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

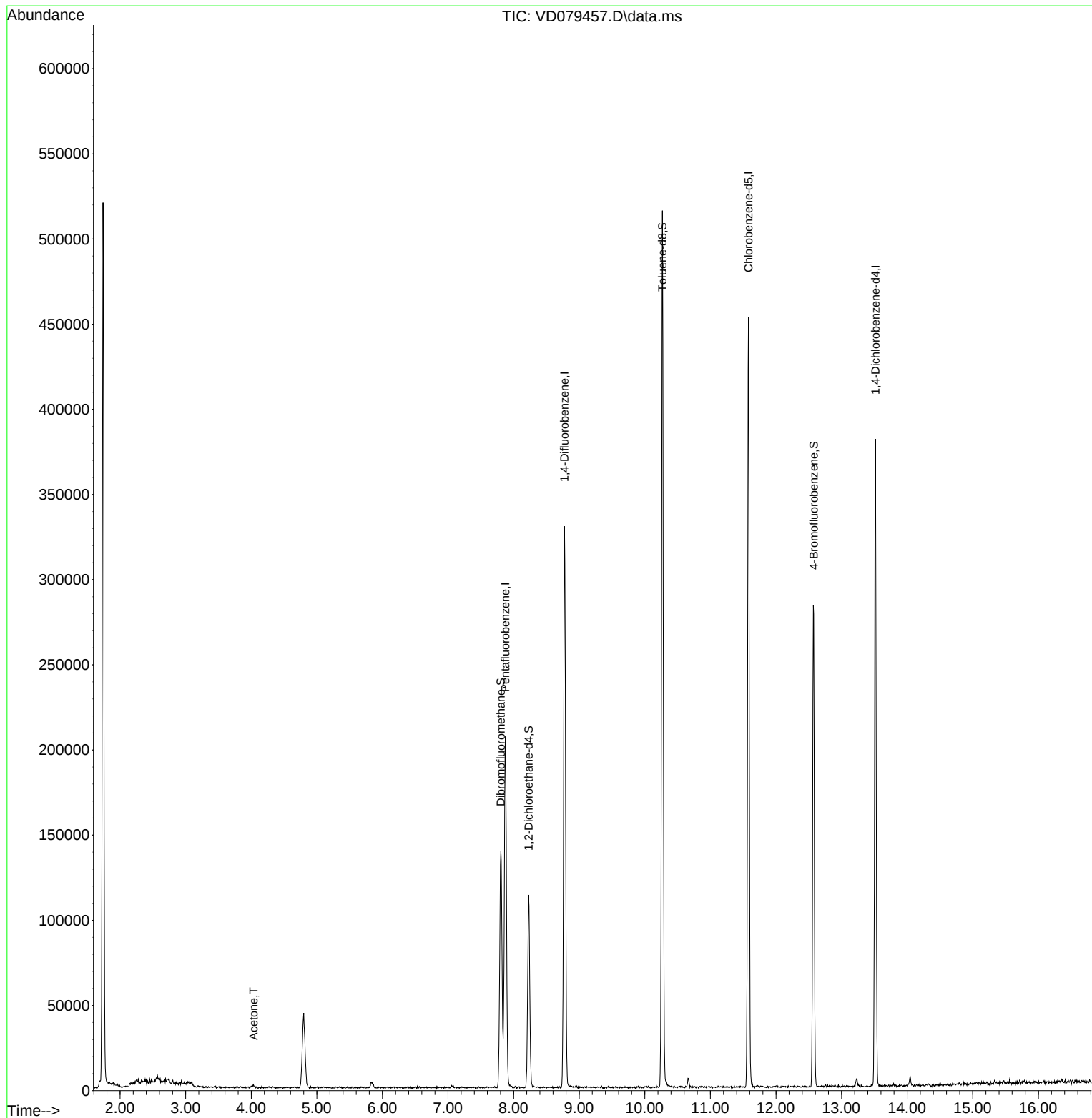
| Compound                    | R.T. QIon |       | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|-----------|-------|----------|----------|-------|-----------|
| -----                       |           |       |          |          |       |           |
| Internal Standards          |           |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.875     | 168   | 168773   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.775     | 114   | 303812   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.581    | 117   | 274379   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.516    | 152   | 108293   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |           |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.228     | 65    | 86844    | 50.650   | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | =     | 101.300%  |
| 35) Dibromofluoromethane    | 7.805     | 113   | 104460   | 50.799   | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | =     | 101.600%  |
| 50) Toluene-d8              | 10.269    | 98    | 363830   | 45.561   | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | =     | 91.120%   |
| 62) 4-Bromofluorobenzene    | 12.575    | 95    | 89147    | 38.578   | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | =     | 77.160%   |
| Target Compounds            |           |       |          |          |       |           |
| 16) Acetone                 | 4.034     | 43    | 2220     | 6.662    | ug/l  | Qvalue 96 |
| -----                       |           |       |          |          |       |           |

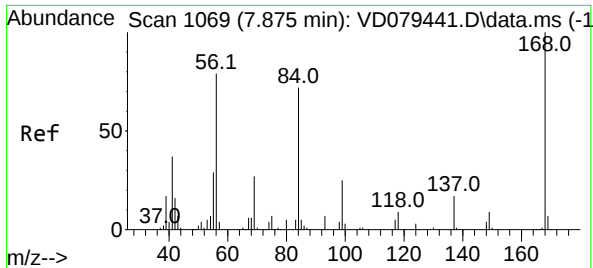
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-PCS-02-072324

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
Quant Title : SW846 8260  
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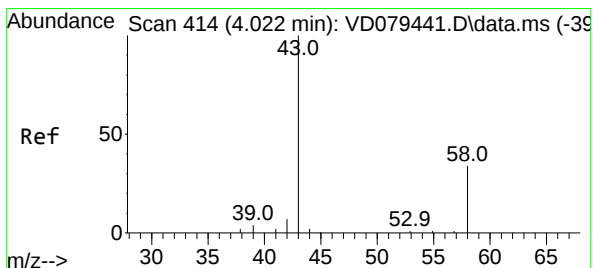
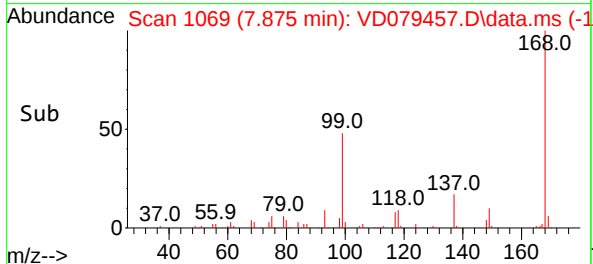
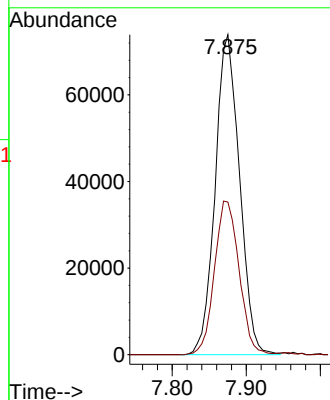
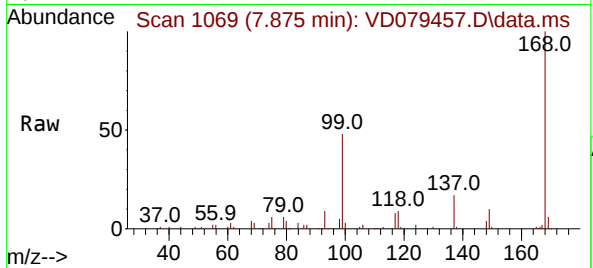




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD079457.D  
Acq: 30 Jul 2024 14:30

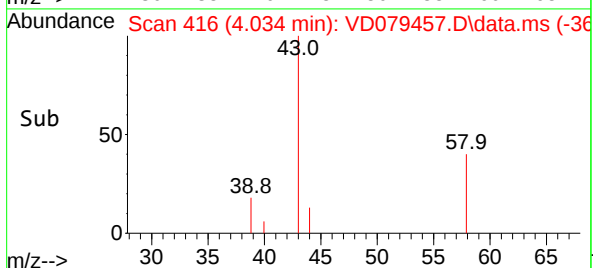
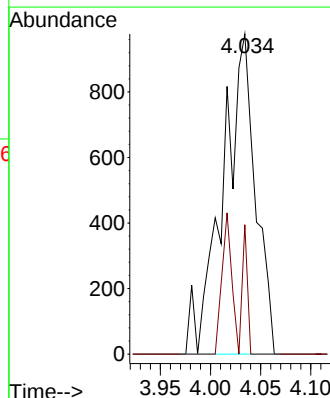
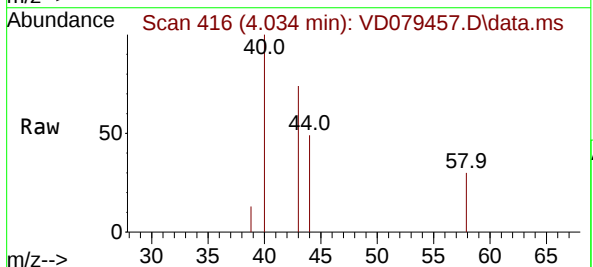
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU4-PCS-02-072324

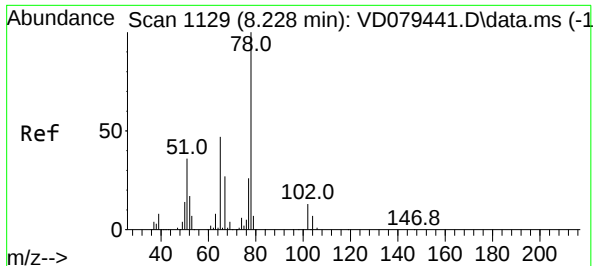
Tgt Ion:168 Resp: 168773  
Ion Ratio Lower Upper  
168 100  
99 47.7 41.1 61.7



#16  
Acetone  
Concen: 6.662 ug/l  
RT: 4.034 min Scan# 416  
Delta R.T. 0.012 min  
Lab File: VD079457.D  
Acq: 30 Jul 2024 14:30

Tgt Ion: 43 Resp: 2220  
Ion Ratio Lower Upper  
43 100  
58 40.4 30.4 45.6





#33

1,2-Dichloroethane-d4

Concen: 50.650 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079457.D

Acq: 30 Jul 2024 14:30

Instrument :

MSVOA\_D

ClientSampleId :

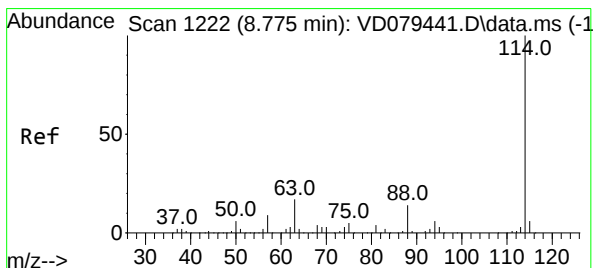
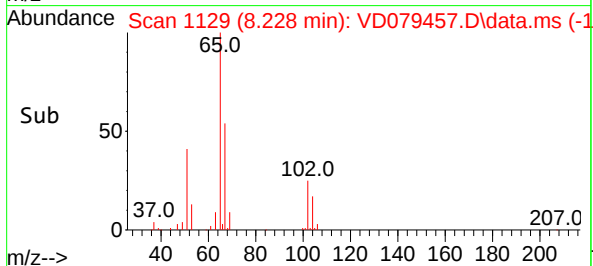
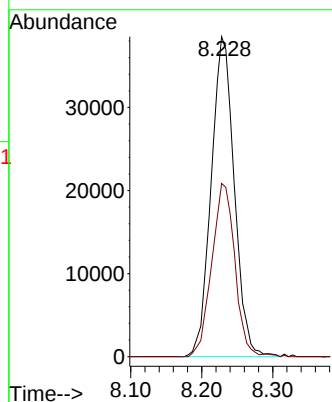
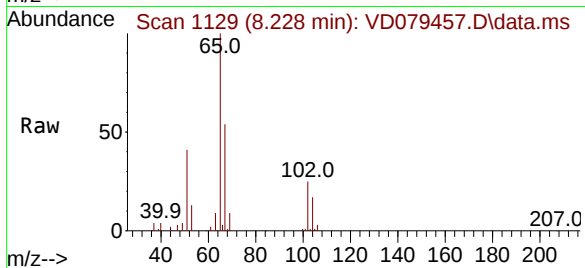
OU4-PCS-02-072324

Tgt Ion: 65 Resp: 86844

Ion Ratio Lower Upper

65 100

67 54.3 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079457.D

Acq: 30 Jul 2024 14:30

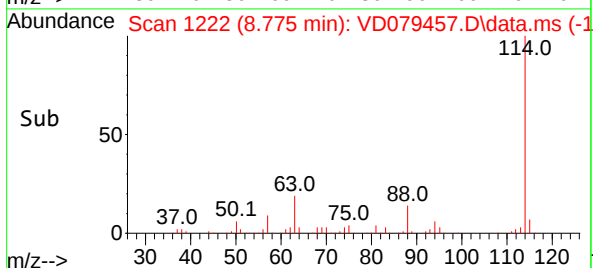
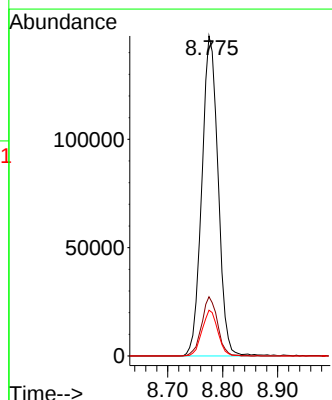
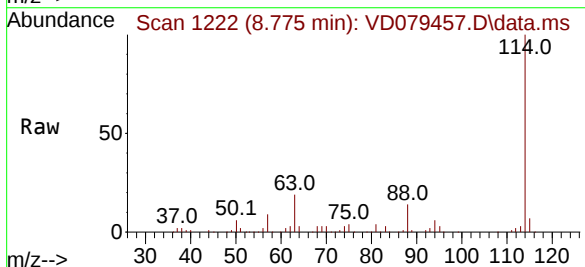
Tgt Ion: 114 Resp: 303812

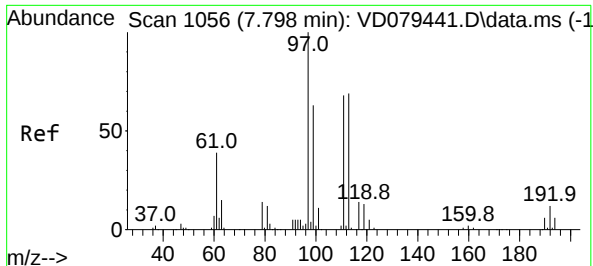
Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.0

88 14.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 50.799 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079457.D

Acq: 30 Jul 2024 14:30

Instrument :

MSVOA\_D

ClientSampleId :

OU4-PCS-02-072324

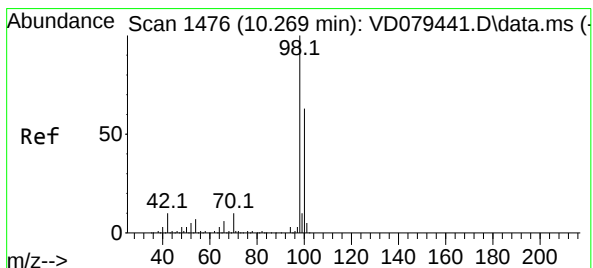
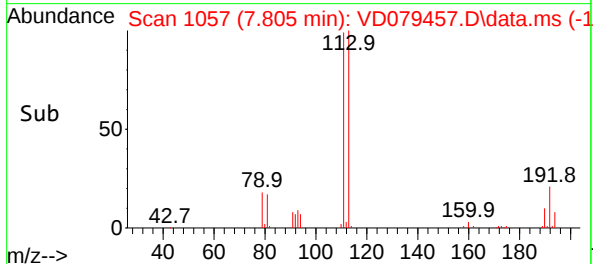
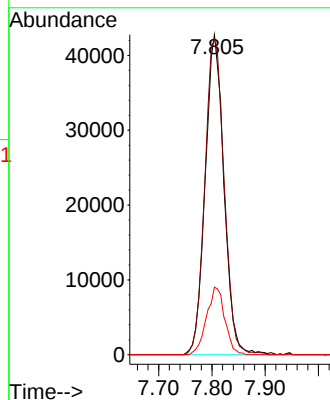
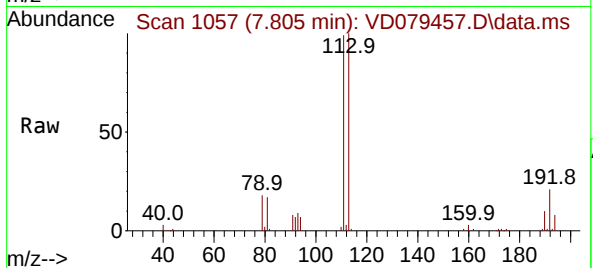
Tgt Ion:113 Resp: 104460

Ion Ratio Lower Upper

113 100

111 101.6 84.0 126.0

192 20.5 15.4 23.0



#50

Toluene-d8

Concen: 45.561 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079457.D

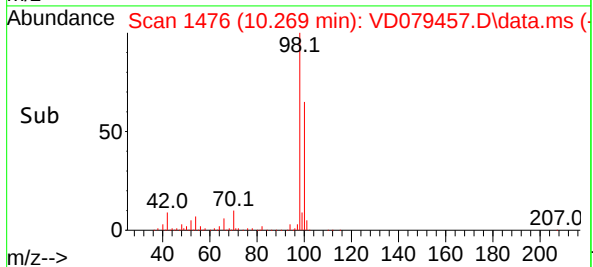
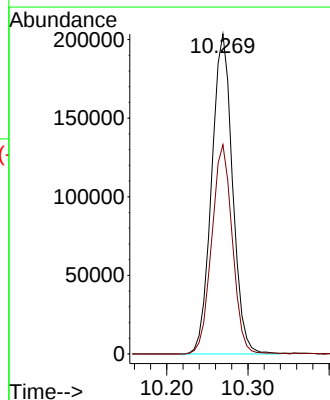
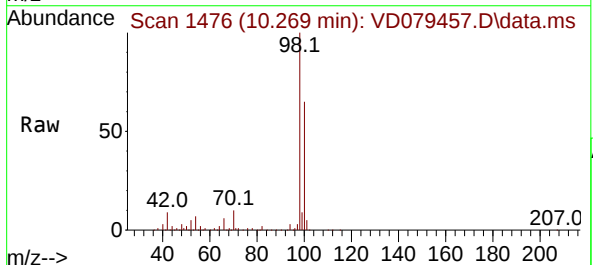
Acq: 30 Jul 2024 14:30

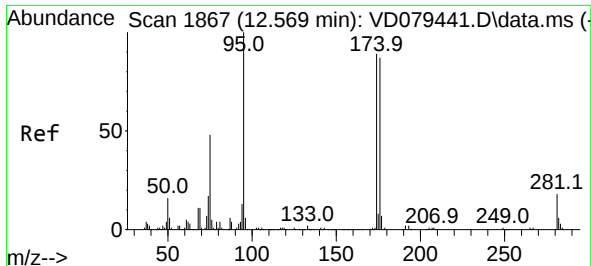
Tgt Ion: 98 Resp: 363830

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4

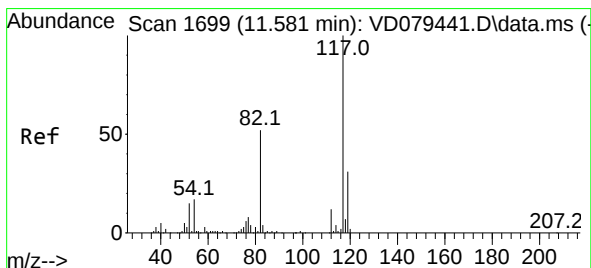
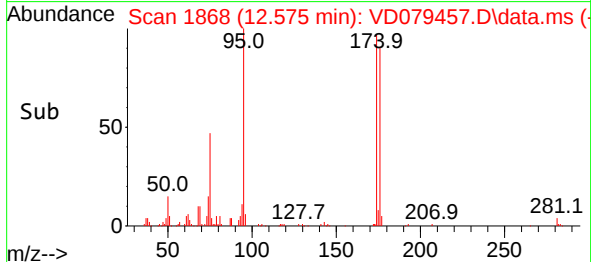
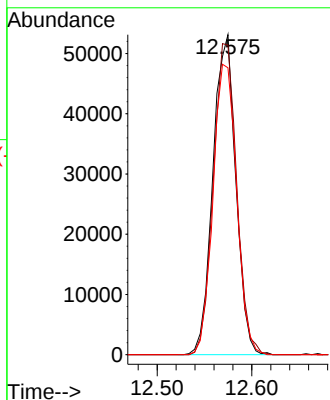
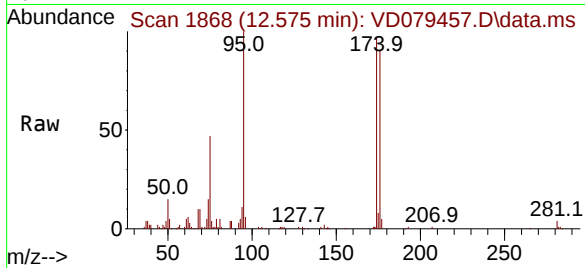




#62  
4-Bromofluorobenzene  
Concen: 38.578 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VD079457.D  
Acq: 30 Jul 2024 14:30

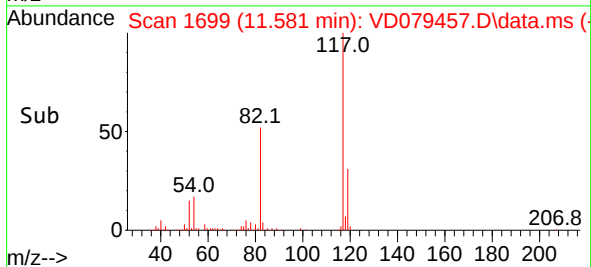
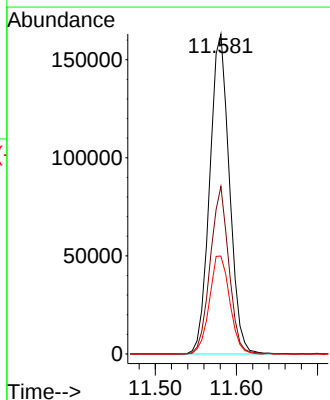
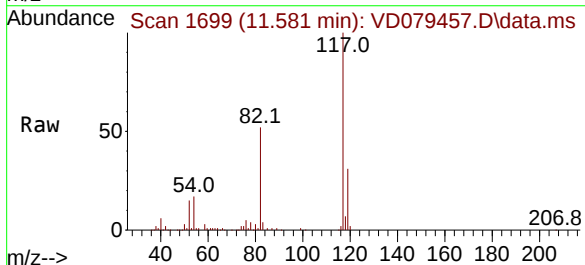
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MSVOA\_D  
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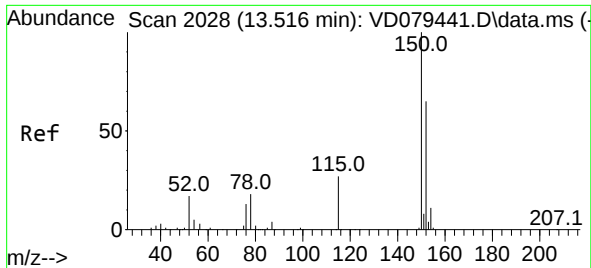
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 89147 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 99.4  | 0.0   | 195.4 |
| 176      | 94.0  | 0.0   | 192.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD079457.D  
Acq: 30 Jul 2024 14:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 274379 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 52.4  | 39.8  | 59.6   |
| 119      | 30.6  | 25.7  | 38.5   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD079457.D

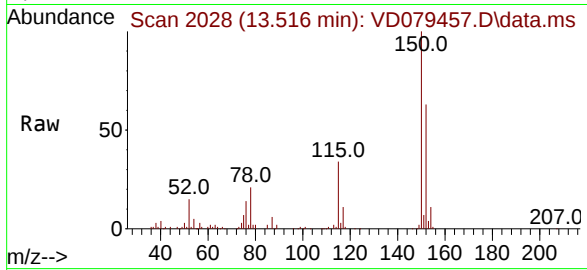
Acq: 30 Jul 2024 14:30

Instrument :

MSVOA\_D

ClientSampleId :

OU4-PCS-02-072324



Tgt Ion:152 Resp: 108293

Ion Ratio Lower Upper

152 100

115 54.1 26.5 79.5

150 157.7 0.0 341.6

