

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080524\  
 Data File : VD079599.D  
 Acq On : 06 Aug 2024 01:29  
 Operator : RP/MD  
 Sample : P3409-01  
 Misc : 5.29G/5.0ml/MSVOA\_D/SOIL/B  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 S-868-J-SO-2-2.5-073024

Quant Time: Aug 06 02:54:43 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  | 191213   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 369138   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 336474   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.510 | 152  | 144392   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 113481   | 58.419   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 116.840% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 121996   | 48.828   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.660%  |
| 50) Toluene-d8              | 10.269 | 98    | 426921   | 44.001   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 88.000%  |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 114996   | 40.957   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 81.920%  |

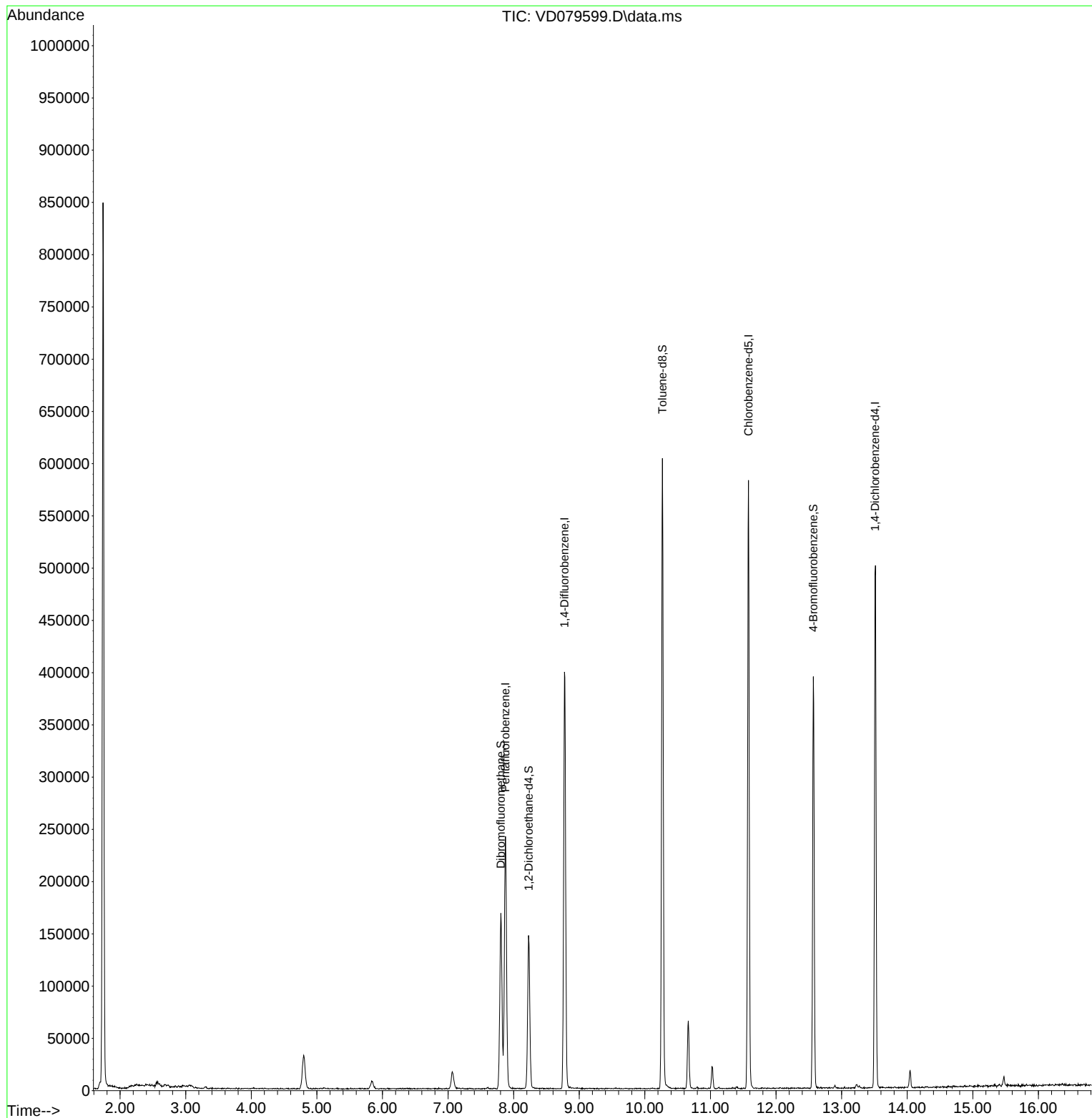
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

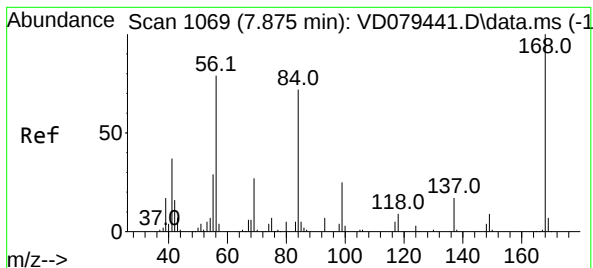
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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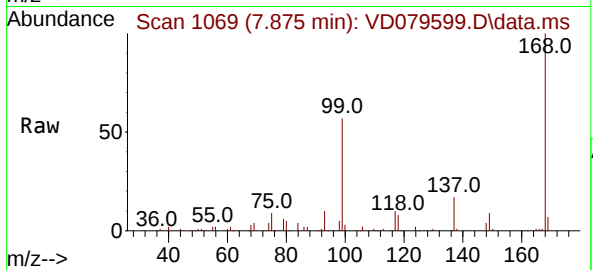
Quant Time: Aug 06 02:54:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:50:47 2024  
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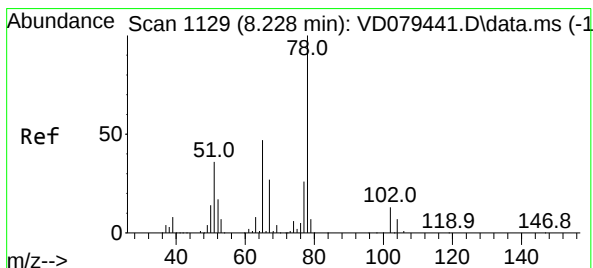
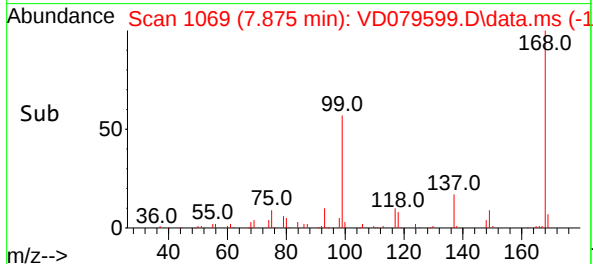
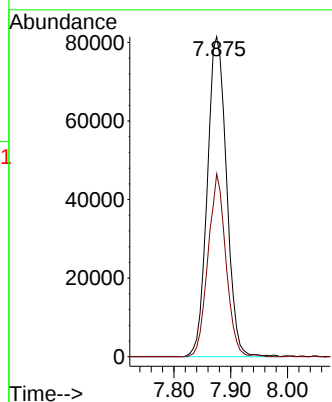


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD079599.D  
Acq: 06 Aug 2024 01:29

Instrument :  
MSVOA\_D  
ClientSampleId :  
S-868-J-SO-2-2.5-073024

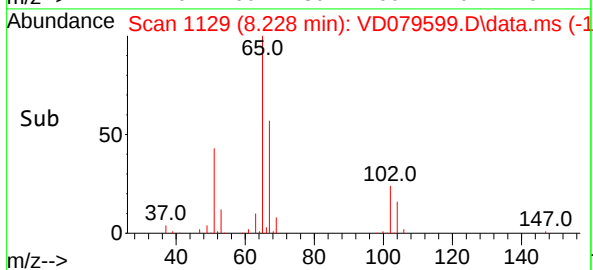
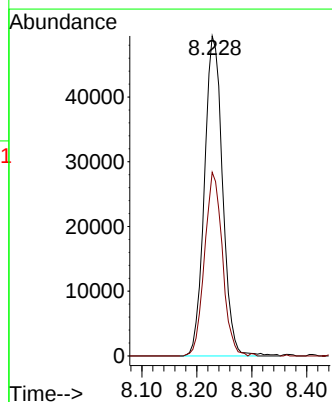
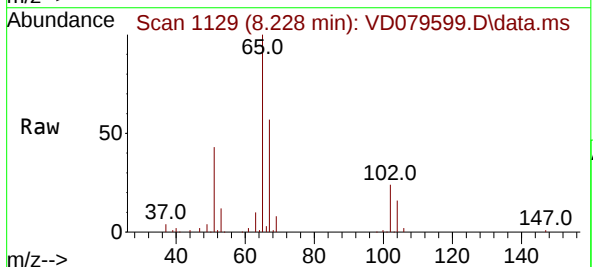


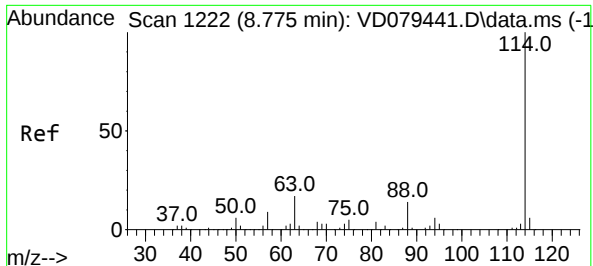
Tgt Ion:168 Resp: 191213  
Ion Ratio Lower Upper  
168 100  
99 57.1 41.1 61.7



#33  
1,2-Dichloroethane-d4  
Concen: 58.419 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD079599.D  
Acq: 06 Aug 2024 01:29

Tgt Ion: 65 Resp: 113481  
Ion Ratio Lower Upper  
65 100  
67 56.3 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: VD079599.D

Acq: 06 Aug 2024 01:29

Instrument :

MSVOA\_D

ClientSampleId :

S-868-J-SO-2-2.5-073024

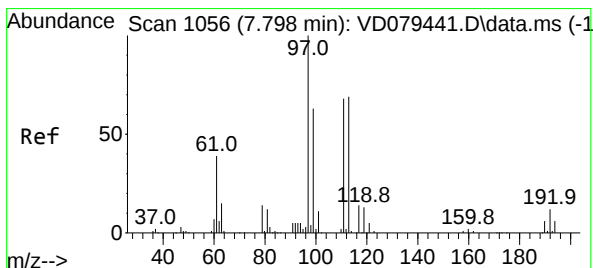
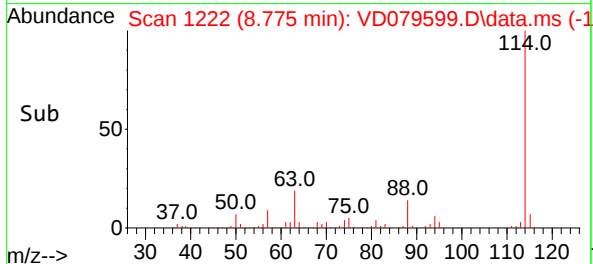
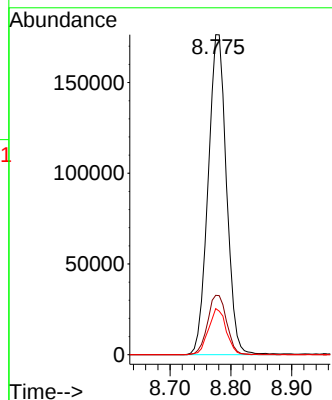
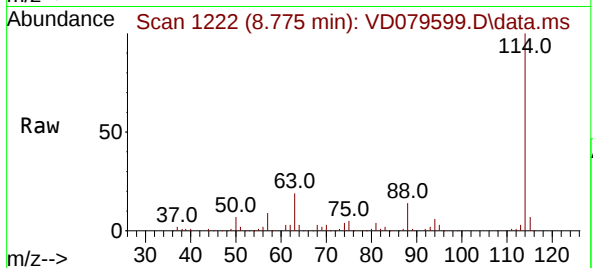
Tgt Ion:114 Resp: 369138

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.0

88 14.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.828 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079599.D

Acq: 06 Aug 2024 01:29

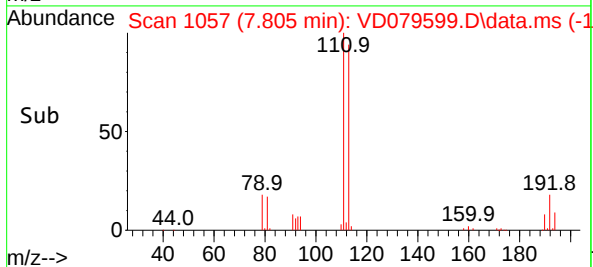
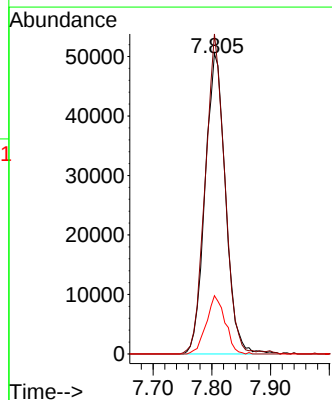
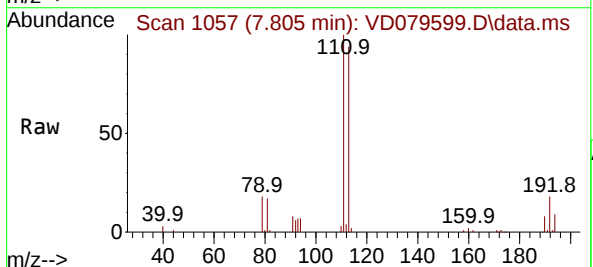
Tgt Ion:113 Resp: 121996

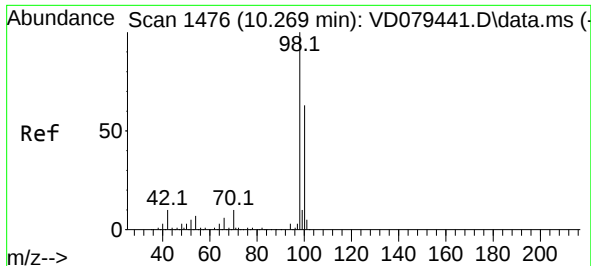
Ion Ratio Lower Upper

113 100

111 101.7 84.0 126.0

192 17.8 15.4 23.0

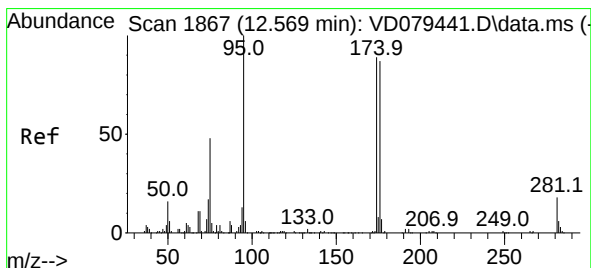
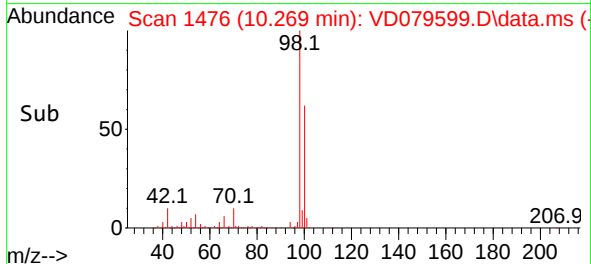
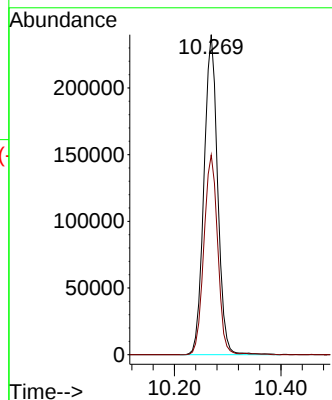
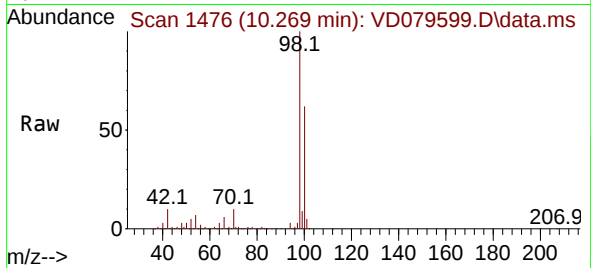




#50  
Toluene-d8  
Concen: 44.001 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VD079599.D  
Acq: 06 Aug 2024 01:29

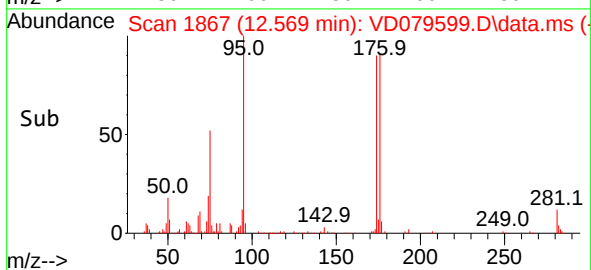
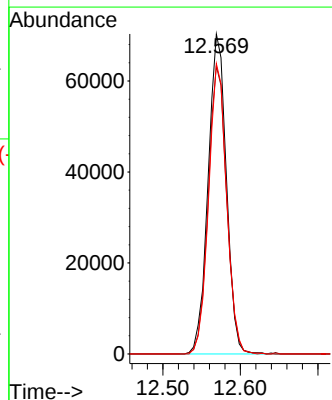
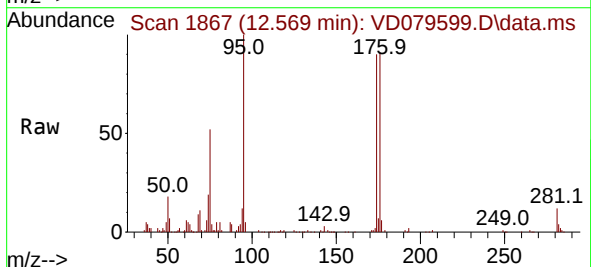
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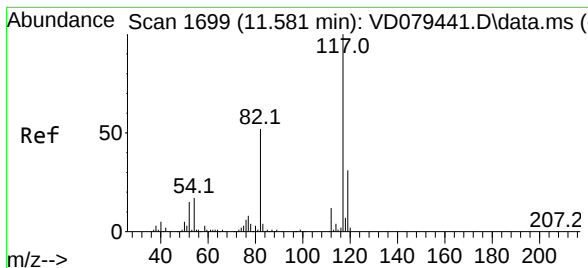
Tgt Ion: 98 Resp: 426921  
Ion Ratio Lower Upper  
98 100  
100 62.7 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 40.957 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD079599.D  
Acq: 06 Aug 2024 01:29

Tgt Ion: 95 Resp: 114996  
Ion Ratio Lower Upper  
95 100  
174 90.5 0.0 195.4  
176 89.6 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: VD079599.D

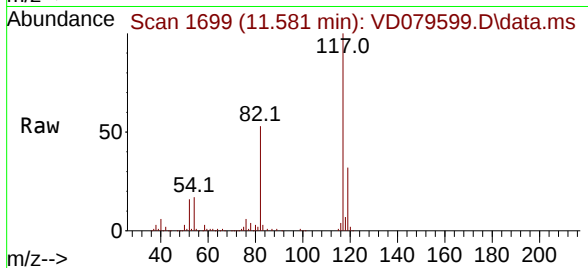
Acq: 06 Aug 2024 01:29

Instrument :

MSVOA\_D

ClientSampleId :

S-868-J-SO-2-2.5-073024



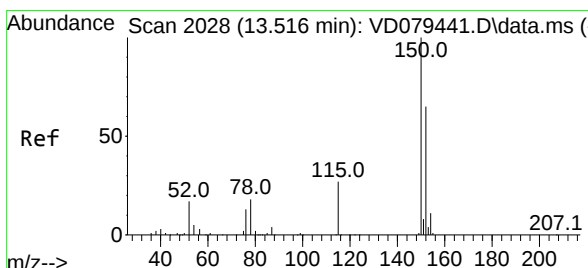
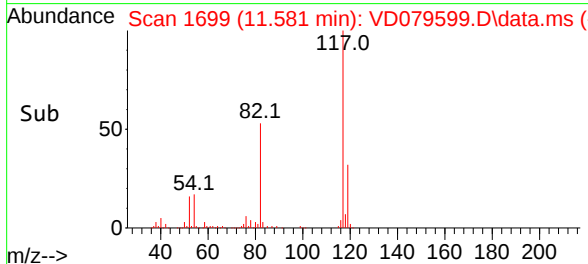
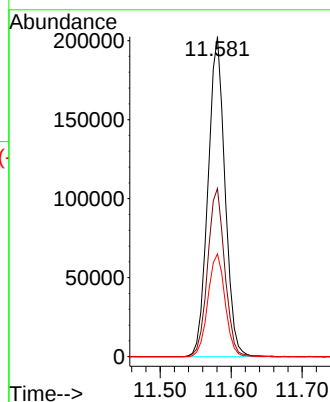
Tgt Ion:117 Resp: 336474

Ion Ratio Lower Upper

117 100

82 52.6 39.8 59.6

119 32.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.510 min Scan# 2027

Delta R.T. -0.000 min

Lab File: VD079599.D

Acq: 06 Aug 2024 01:29

Tgt Ion:152 Resp: 144392

Ion Ratio Lower Upper

152 100

115 55.7 26.5 79.5

150 159.6 0.0 341.6

