

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD070224\  
 Data File : VD079312.D  
 Acq On : 02 Jul 2024 10:28  
 Operator : RP/MD  
 Sample : VD0702SBL01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0702SBL01

Quant Time: Jul 03 01:19:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062824S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 29 06:28:31 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 126532   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 253597   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 232703   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 91989    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 79254    | 65.302   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 130.600% |
| 35) Dibromofluoromethane    | 7.810  | 113   | 93180    | 55.977   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 111.960% |
| 50) Toluene-d8              | 10.269 | 98    | 278399   | 46.490   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 92.980%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 90763    | 47.265   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 94.540%  |

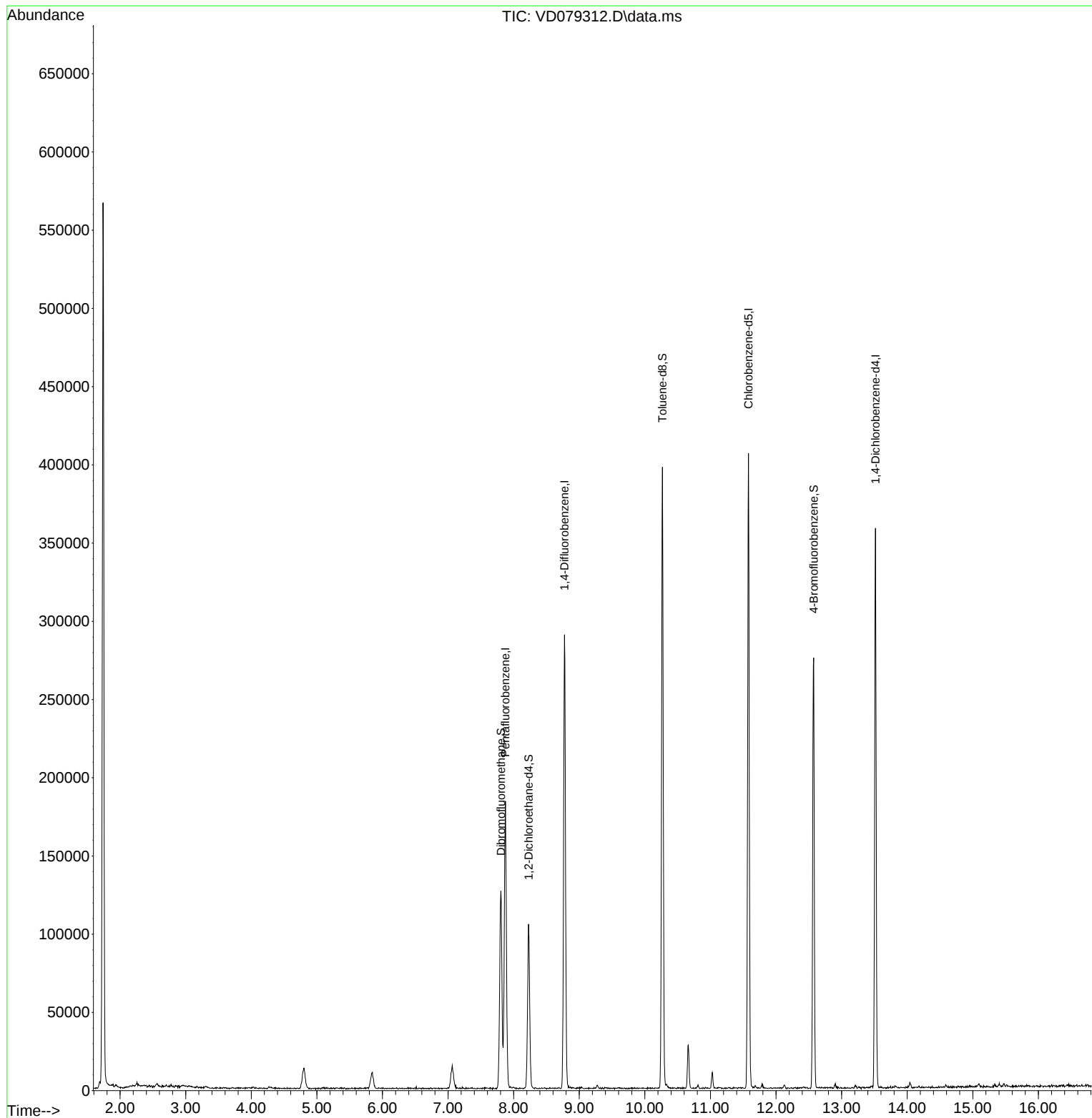
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

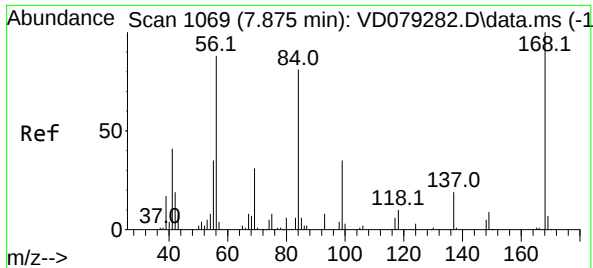
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Jun 29 06:28:31 2024  
Response via : Initial Calibration

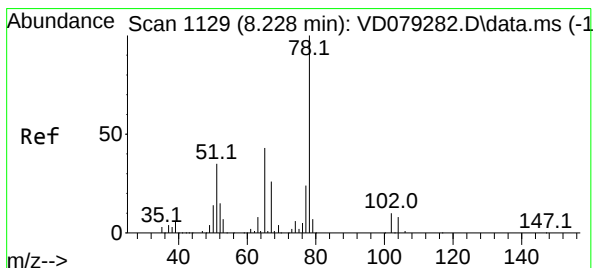
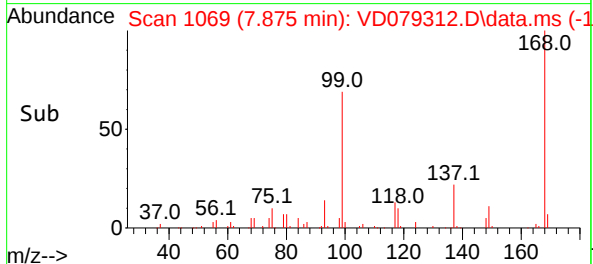
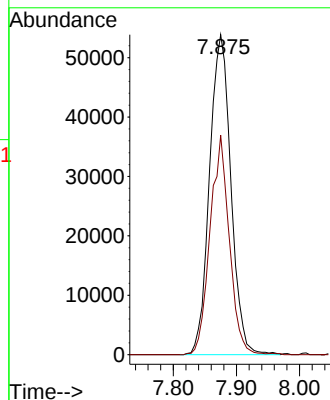
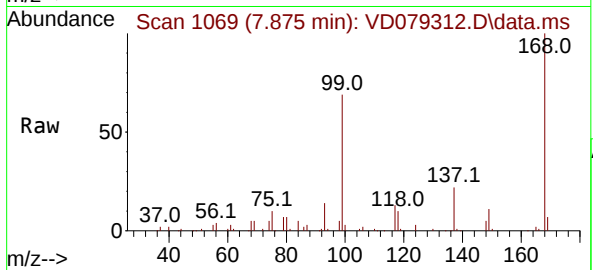




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD079312.D  
Acq: 02 Jul 2024 10:28

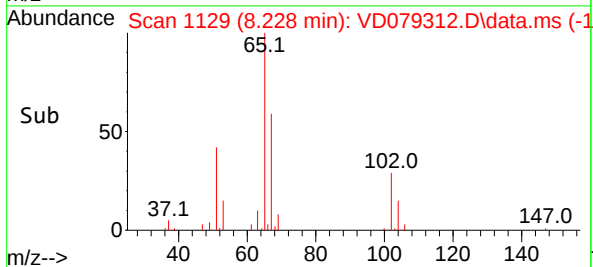
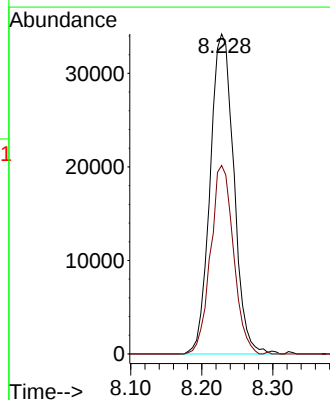
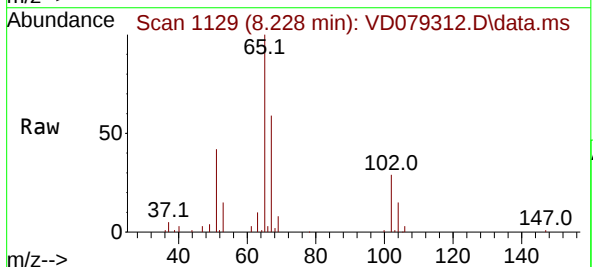
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0702SBL01

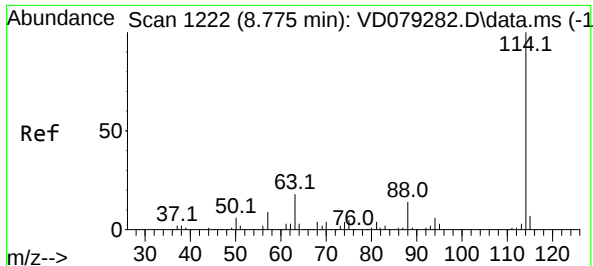
Tgt Ion:168 Resp: 126532  
Ion Ratio Lower Upper  
168 100  
99 68.6 41.1 61.7#



#33  
1,2-Dichloroethane-d4  
Concen: 65.302 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VD079312.D  
Acq: 02 Jul 2024 10:28

Tgt Ion: 65 Resp: 79254  
Ion Ratio Lower Upper  
65 100  
67 56.9 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: VD079312.D

Acq: 02 Jul 2024 10:28

Instrument :

MSVOA\_D

ClientSampleId :

VD0702SBL01

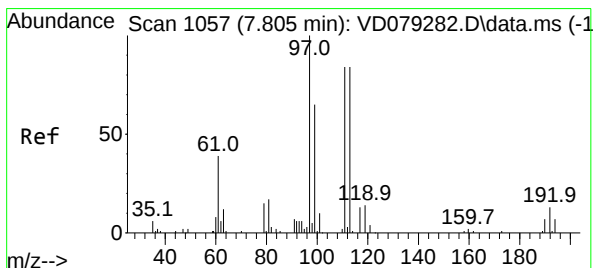
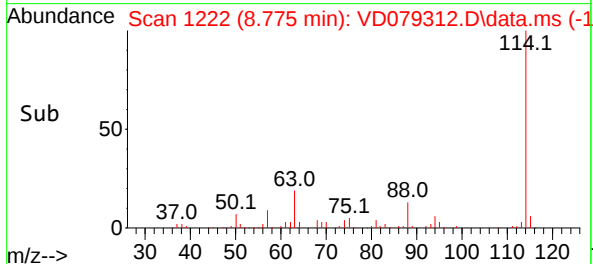
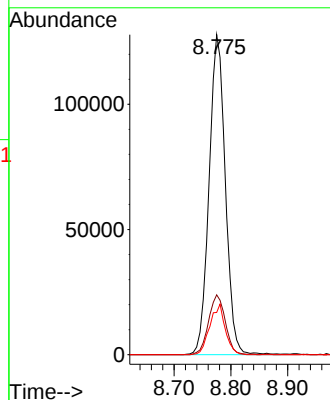
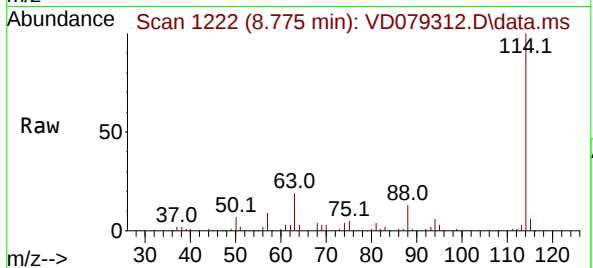
Tgt Ion:114 Resp: 253597

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.0

88 13.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 55.977 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD079312.D

Acq: 02 Jul 2024 10:28

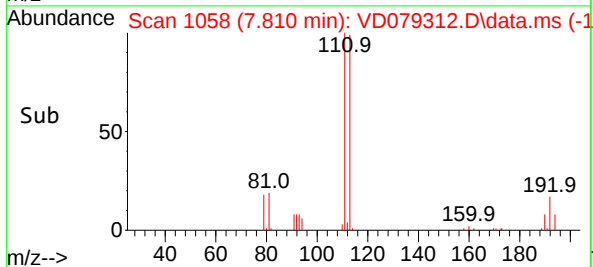
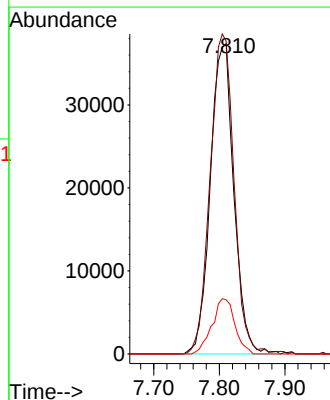
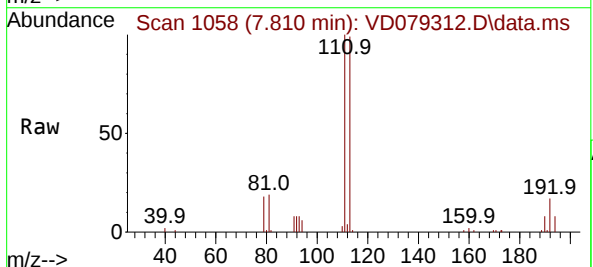
Tgt Ion:113 Resp: 93180

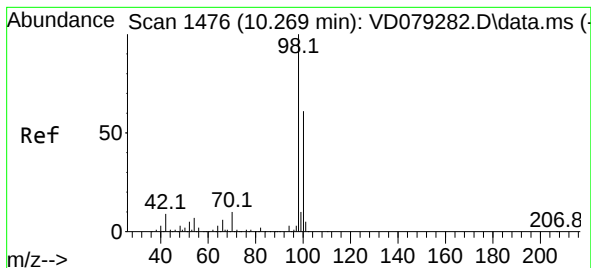
Ion Ratio Lower Upper

113 100

111 103.9 84.0 126.0

192 17.2 15.4 23.0





#50

Toluene-d8

Concen: 46.490 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD079312.D

Acq: 02 Jul 2024 10:28

Instrument :

MSVOA\_D

ClientSampleId :

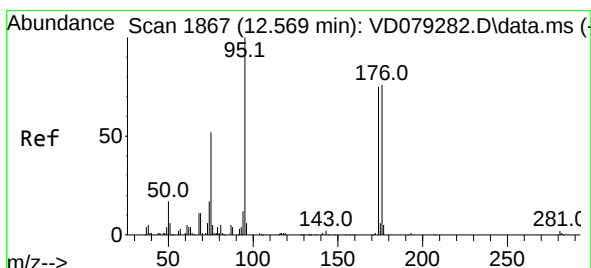
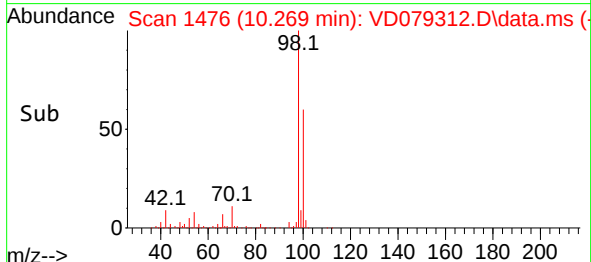
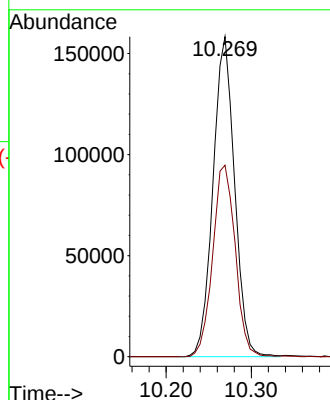
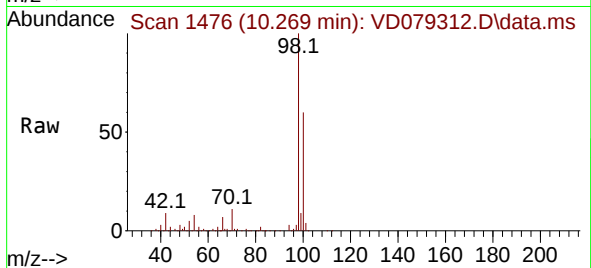
VD0702SBL01

Tgt Ion: 98 Resp: 278399

Ion Ratio Lower Upper

98 100

100 62.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 47.265 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD079312.D

Acq: 02 Jul 2024 10:28

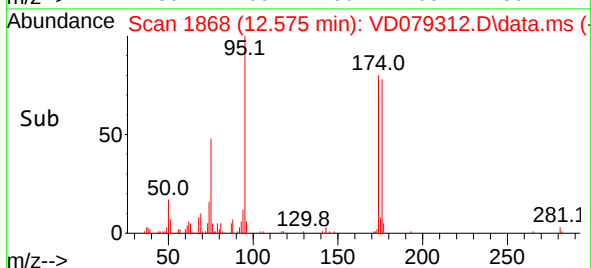
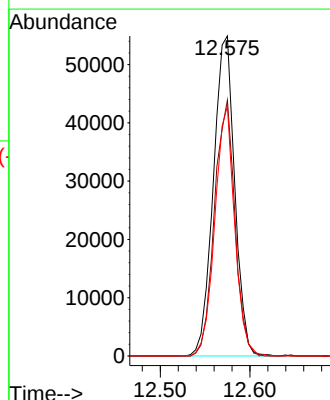
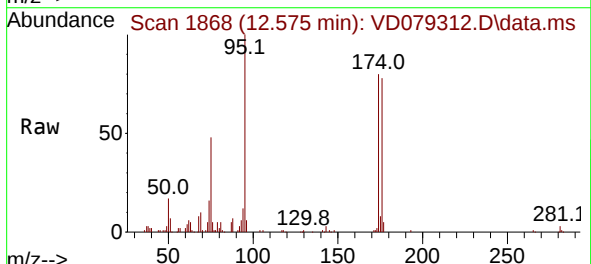
Tgt Ion: 95 Resp: 90763

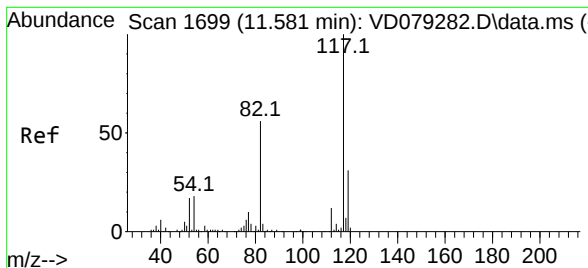
Ion Ratio Lower Upper

95 100

174 76.3 0.0 195.4

176 72.4 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: VD079312.D

Acq: 02 Jul 2024 10:28

Instrument :

MSVOA\_D

ClientSampleId :

VD0702SBL01

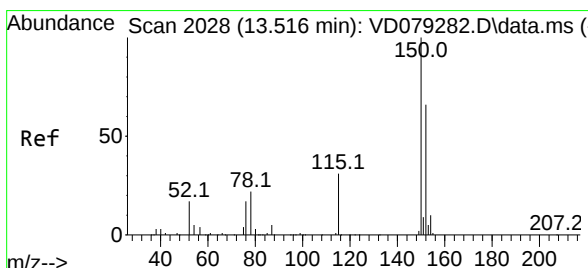
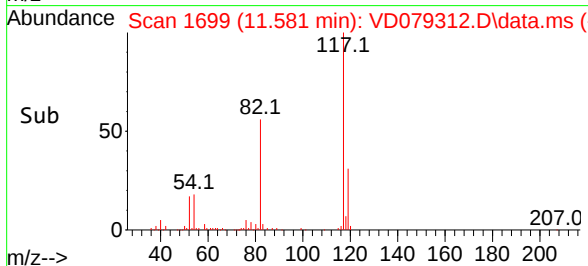
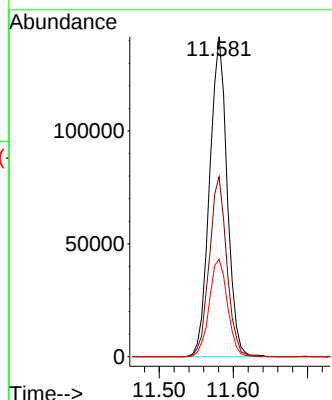
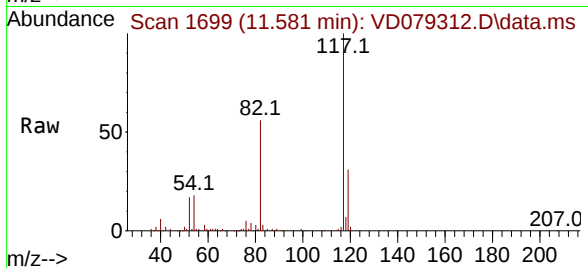
Tgt Ion:117 Resp: 232703

Ion Ratio Lower Upper

117 100

82 56.3 39.8 59.6

119 30.5 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD079312.D

Acq: 02 Jul 2024 10:28

Tgt Ion:152 Resp: 91989

Ion Ratio Lower Upper

152 100

115 59.2 26.5 79.5

150 156.9 0.0 341.6

