

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080723\  
 Data File : VD076941.D  
 Acq On : 07 Aug 2023 19:56  
 Operator : KP/SY  
 Sample : 03903-04  
 Misc : 5.02G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MW-04

Quant Time: Aug 08 04:41:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 17 08:07:52 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 200688   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 415969   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 407904   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 186055   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 112744   | 56.403   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 112.800% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 139147   | 53.232   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 106.460% |
| 50) Toluene-d8              | 10.269 | 98    | 507021   | 54.220   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 108.440% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 156745   | 51.815   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 103.620% |

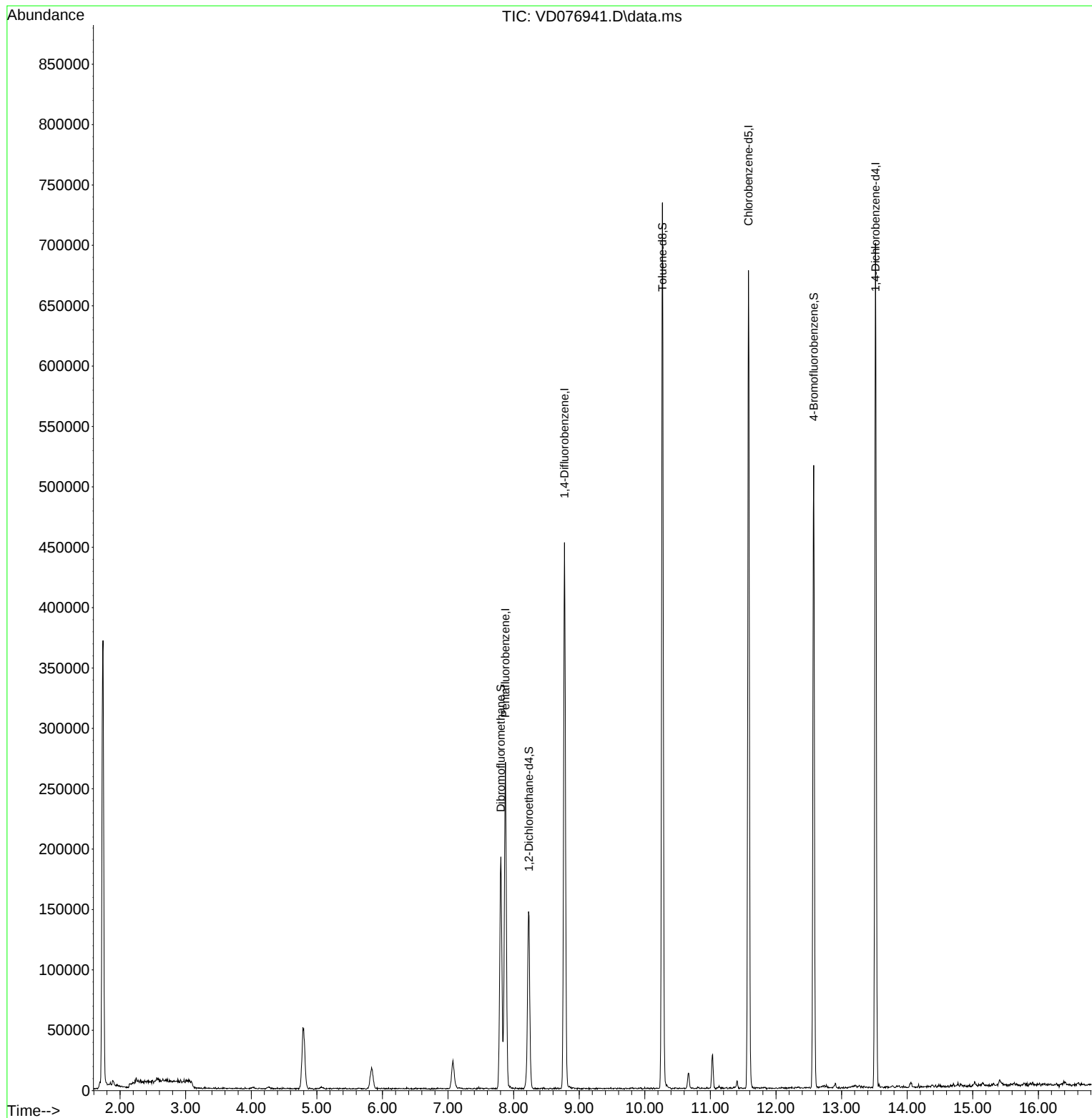
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

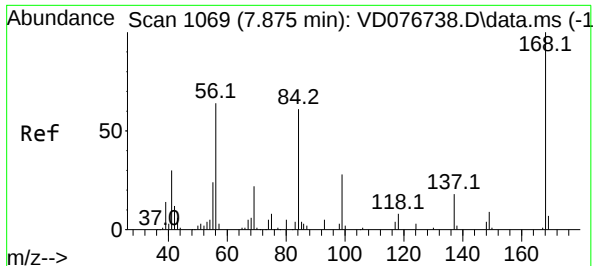
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Jul 17 08:07:52 2023  
Response via : Initial Calibration

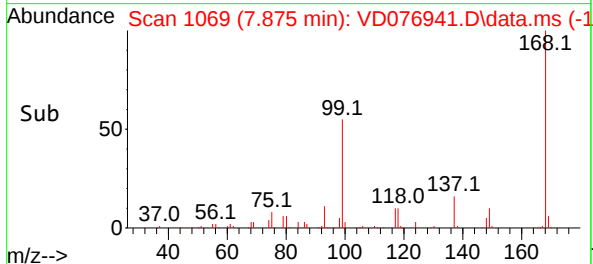
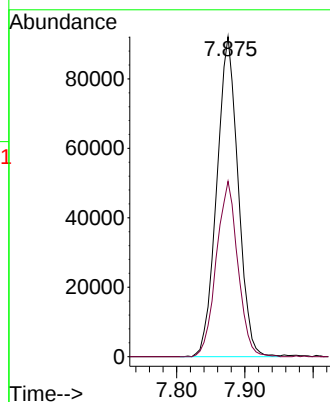
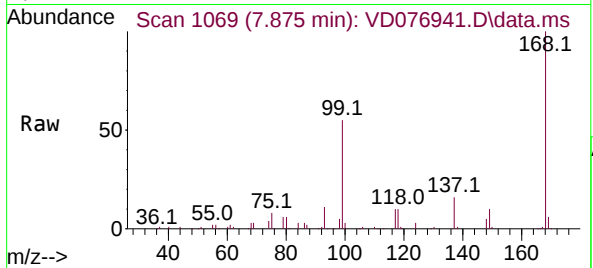




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 110  
Delta R.T. 0.000 min  
Lab File: VD076941.D  
Acq: 07 Aug 2023 19:56

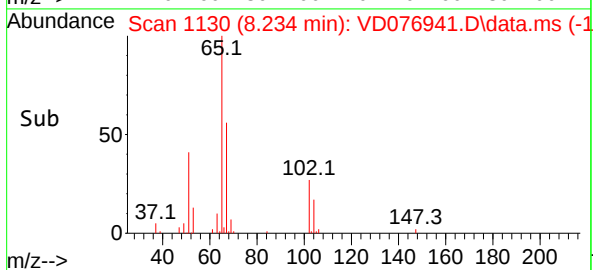
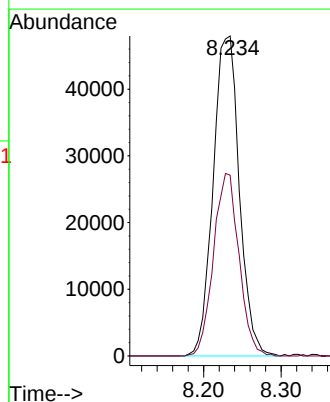
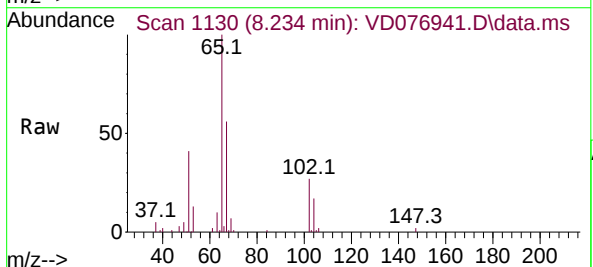
Instrument :  
MSVOA\_D  
ClientSampleId :  
MW-04

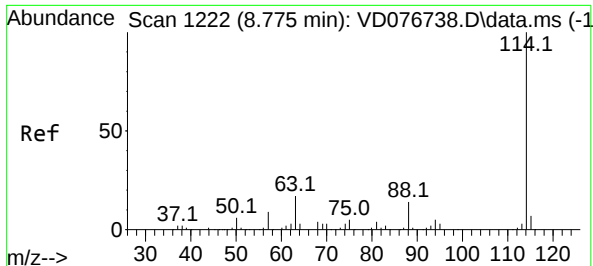
Tgt Ion:168 Resp: 200688  
Ion Ratio Lower Upper  
168 100  
99 54.8 36.7 55.1



#33  
1,2-Dichloroethane-d4  
Concen: 56.403 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD076941.D  
Acq: 07 Aug 2023 19:56

Tgt Ion: 65 Resp: 112744  
Ion Ratio Lower Upper  
65 100  
67 55.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076941.D

Acq: 07 Aug 2023 19:56

Instrument :

MSVOA\_D

ClientSampleId :

MW-04

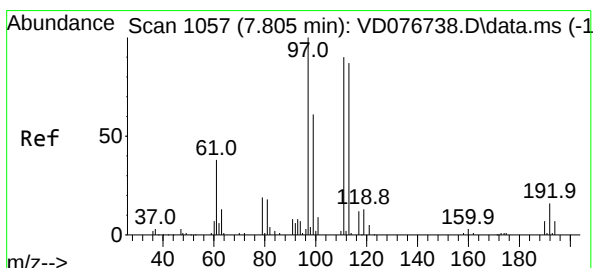
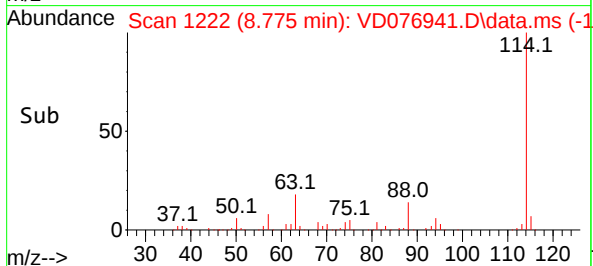
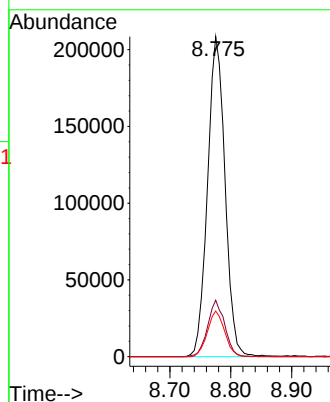
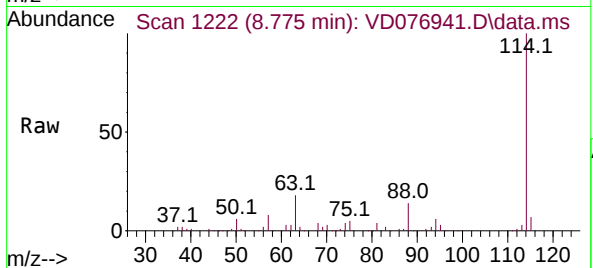
Tgt Ion:114 Resp: 415969

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.4

88 14.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 53.232 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076941.D

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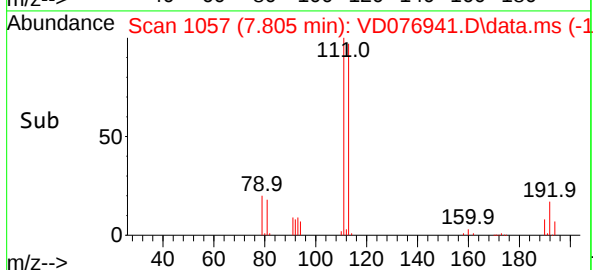
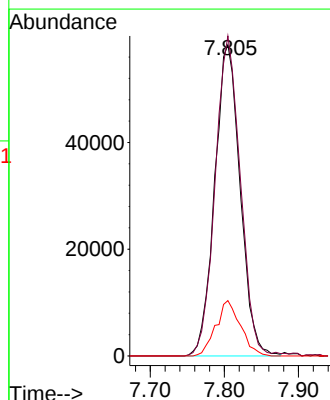
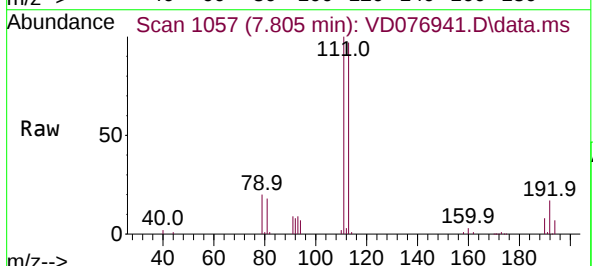
Tgt Ion:113 Resp: 139147

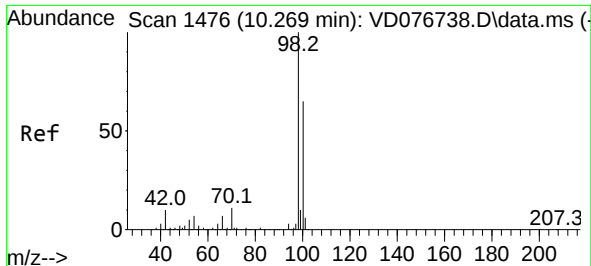
Ion Ratio Lower Upper

113 100

111 101.7 84.7 127.1

192 17.2 16.8 25.2

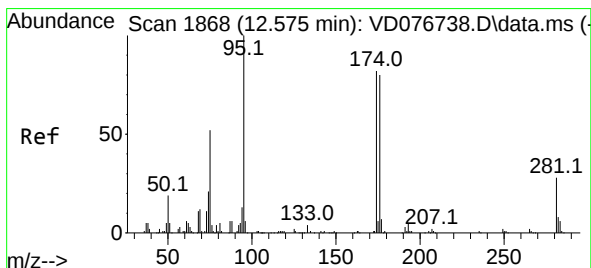
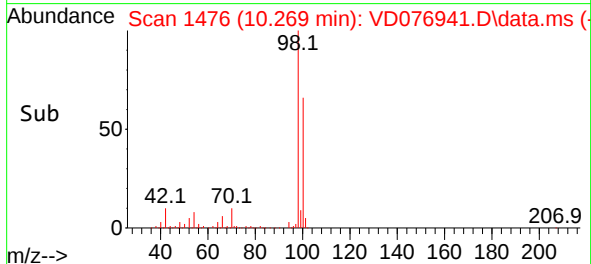
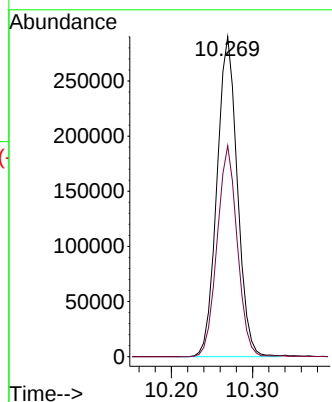
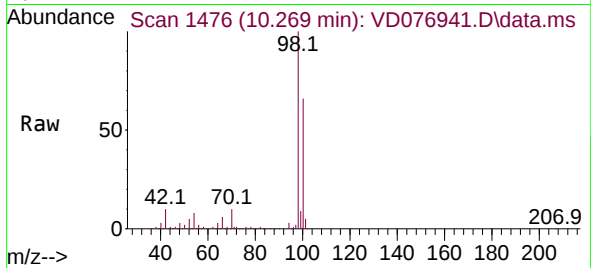




#50  
Toluene-d8  
Concen: 54.220 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD076941.D  
Acq: 07 Aug 2023 19:56

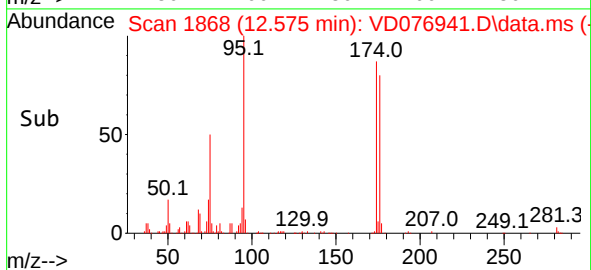
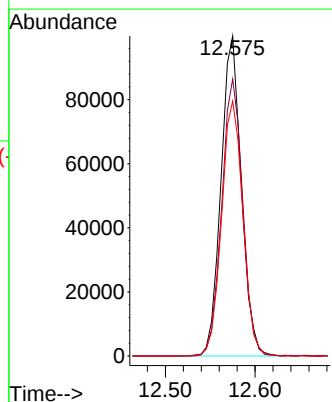
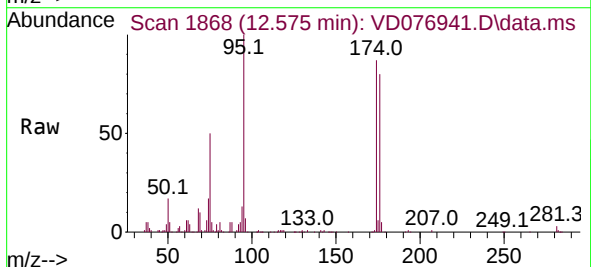
Instrument :  
MSVOA\_D  
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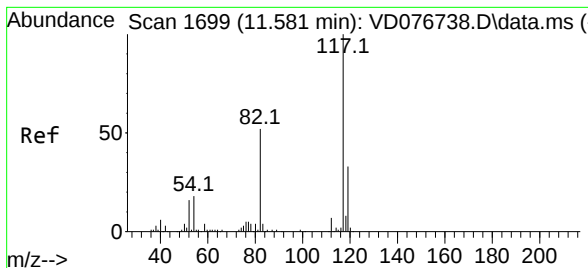
Tgt Ion: 98 Resp: 507021  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 51.815 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD076941.D  
Acq: 07 Aug 2023 19:56

Tgt Ion: 95 Resp: 156745  
Ion Ratio Lower Upper  
95 100  
174 89.4 0.0 201.8  
176 83.4 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076941.D

Acq: 07 Aug 2023 19:56

Instrument :

MSVOA\_D

ClientSampleId :

MW-04

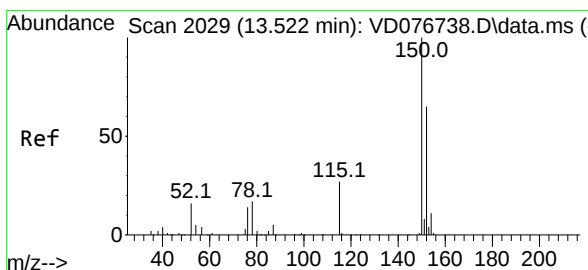
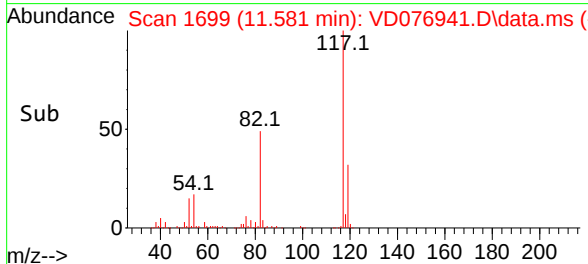
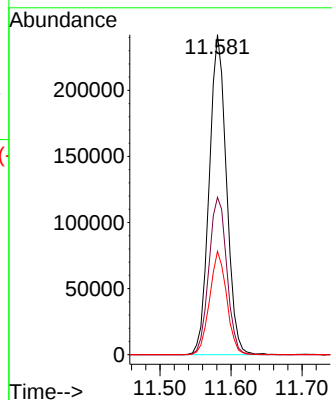
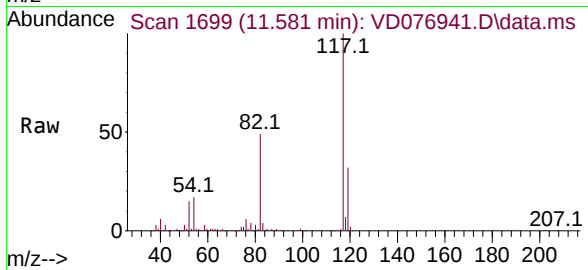
Tgt Ion:117 Resp: 407904

Ion Ratio Lower Upper

117 100

82 49.2 38.3 57.5

119 32.3 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD076941.D

Acq: 07 Aug 2023 19:56

Tgt Ion:152 Resp: 186055

Ion Ratio Lower Upper

152 100

115 56.8 27.1 81.3

150 154.9 0.0 353.6

