

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD071222\  
 Data File : VD073832.D  
 Acq On : 12 Jul 2022 11:20  
 Operator : VA/SY  
 Sample : VD0712SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0712SBL01

Quant Time: Jul 13 04:30:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 12 07:04:44 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 106274   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 206875   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 186400   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 78280    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 65131    | 45.755   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 91.500%  |
| 35) Dibromofluoromethane    | 7.909  | 113   | 70016    | 51.161   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.320% |
| 50) Toluene-d8              | 10.332 | 98    | 198982   | 41.697   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 125 | Recovery | =    | 83.400%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 95857    | 47.407   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 146 | Recovery | =    | 94.820%  |

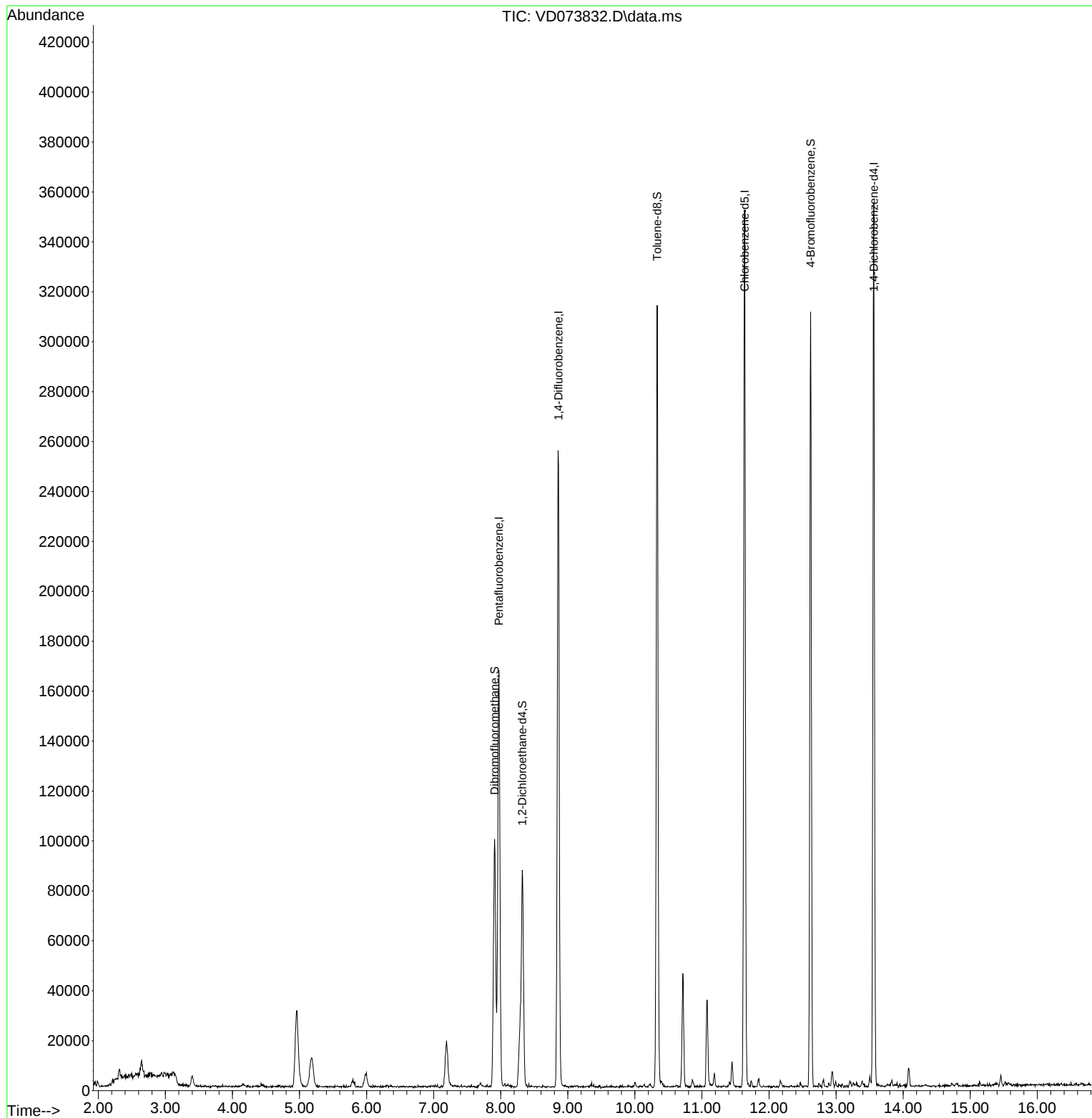
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

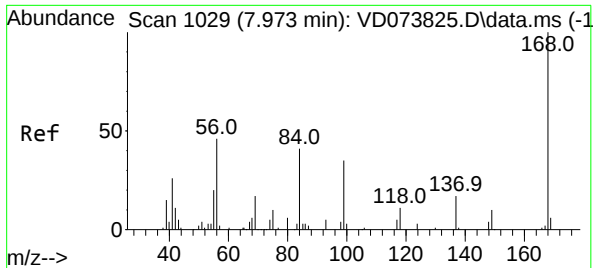
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0712SBL01

Quant Time: Jul 13 04:30:07 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071122S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 12 07:04:44 2022  
Response via : Initial Calibration

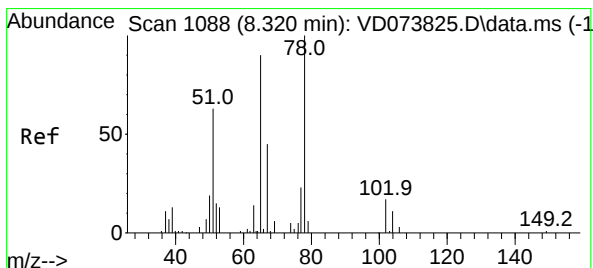
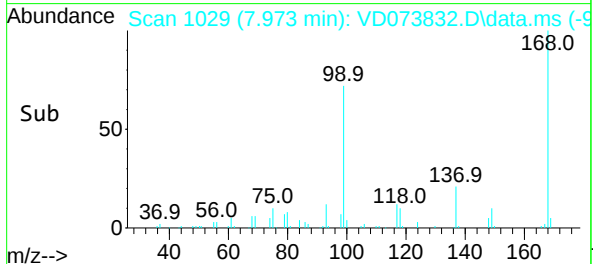
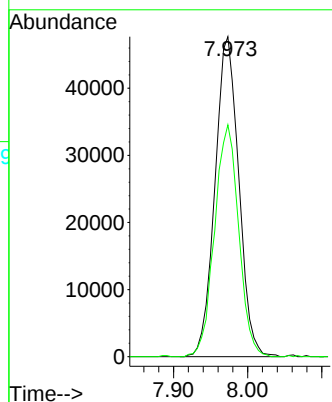
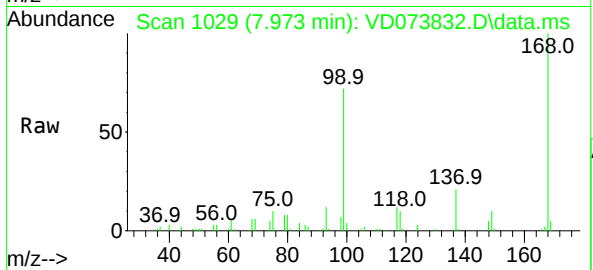




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073832.D  
Acq: 12 Jul 2022 11:20

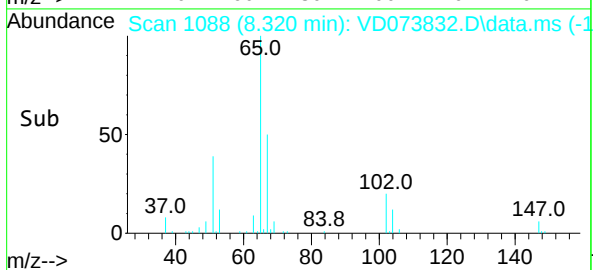
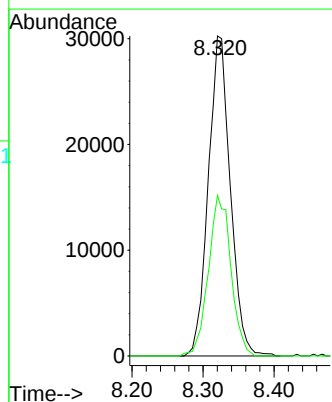
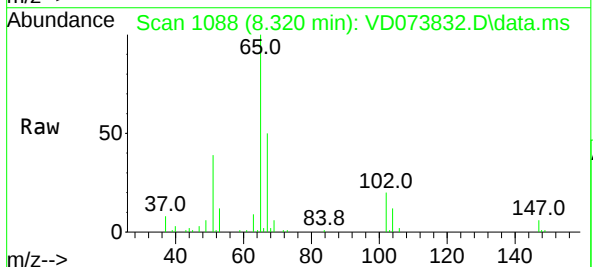
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0712SBL01

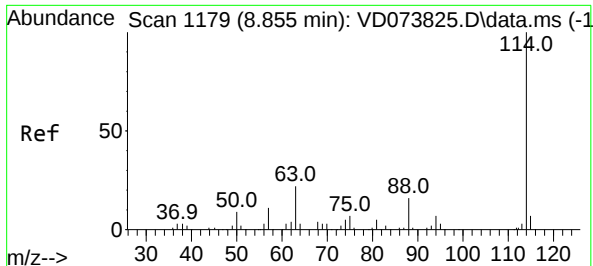
Tgt Ion:168 Resp: 106274  
Ion Ratio Lower Upper  
168 100  
99 72.5 53.8 80.6



#33  
1,2-Dichloroethane-d4  
Concen: 45.755 ug/l  
RT: 8.320 min Scan# 1088  
Delta R.T. 0.000 min  
Lab File: VD073832.D  
Acq: 12 Jul 2022 11:20

Tgt Ion: 65 Resp: 65131  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073832.D

Acq: 12 Jul 2022 11:20

Instrument :

MSVOA\_D

ClientSampleId :

VD0712SBL01

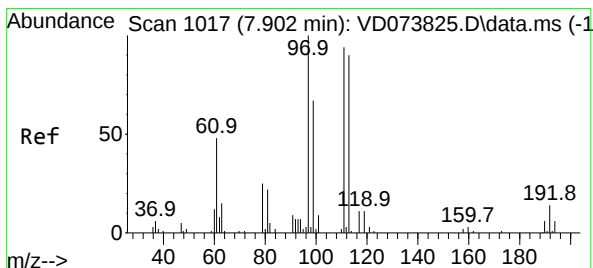
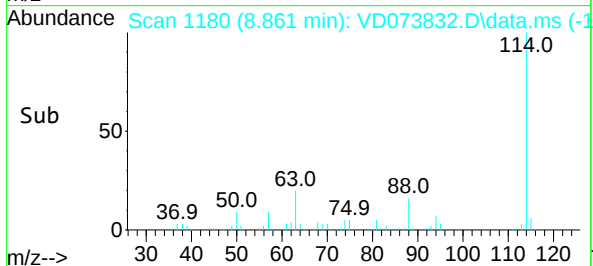
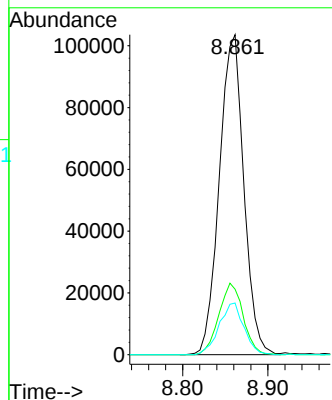
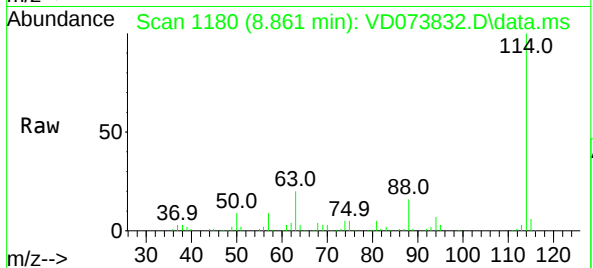
Tgt Ion:114 Resp: 206875

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.0

88 16.1 0.0 33.0



#35

Dibromofluoromethane

Concen: 51.161 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.006 min

Lab File: VD073832.D

Acq: 12 Jul 2022 11:20

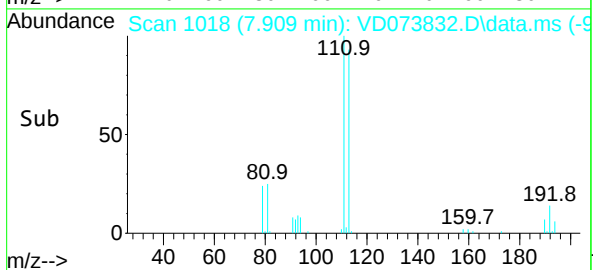
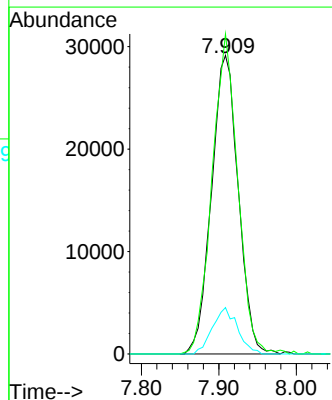
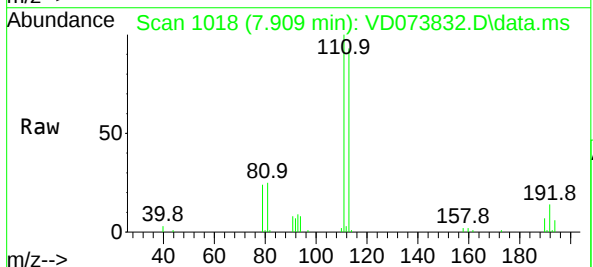
Tgt Ion:113 Resp: 70016

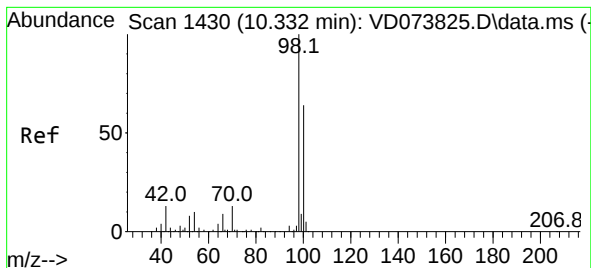
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 14.5 12.3 18.5

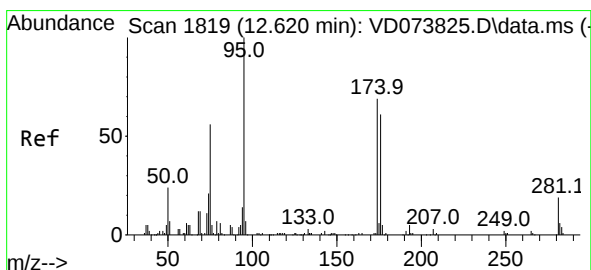
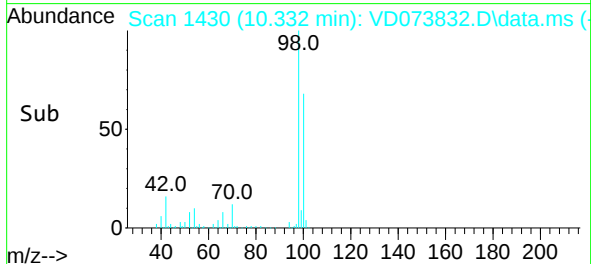
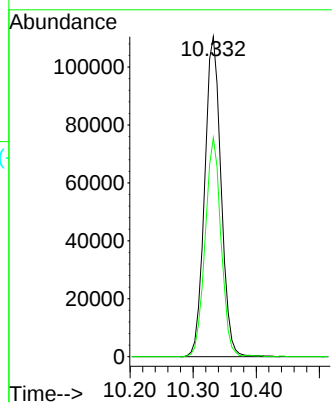
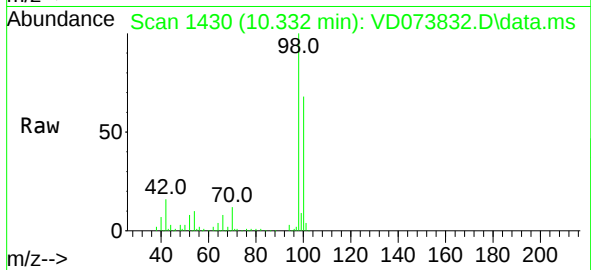




#50  
Toluene-d8  
Concen: 41.697 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VD073832.D  
Acq: 12 Jul 2022 11:20

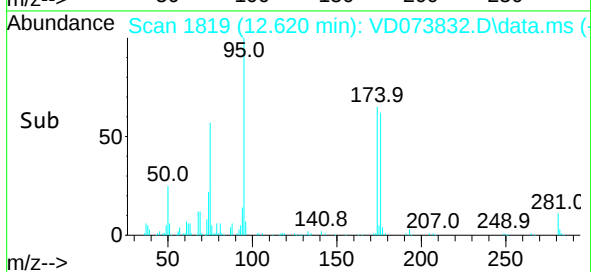
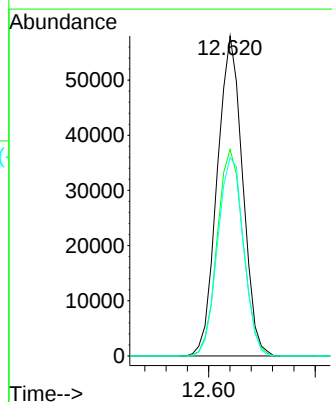
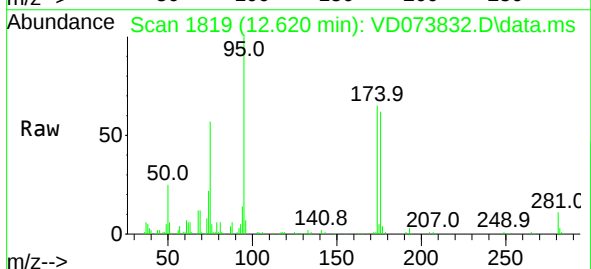
Instrument :  
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VD0712SBL01

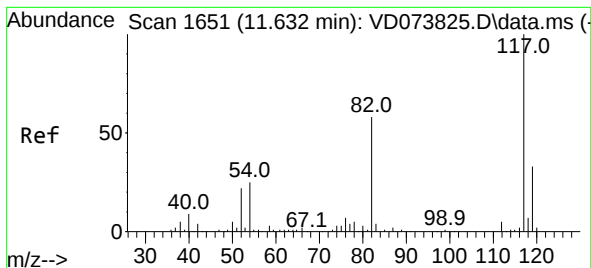
Tgt Ion: 98 Resp: 198982  
Ion Ratio Lower Upper  
98 100  
100 66.2 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 47.407 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073832.D  
Acq: 12 Jul 2022 11:20

Tgt Ion: 95 Resp: 95857  
Ion Ratio Lower Upper  
95 100  
174 65.8 0.0 131.8  
176 63.5 0.0 124.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD073832.D

Acq: 12 Jul 2022 11:20

Instrument :

MSVOA\_D

ClientSampleId :

VD0712SBL01

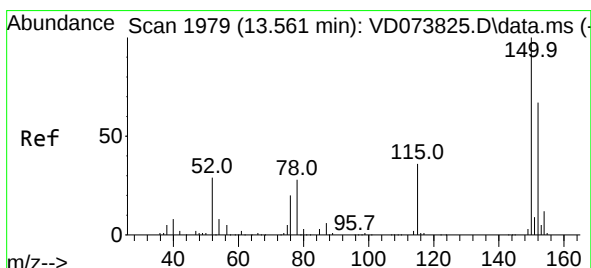
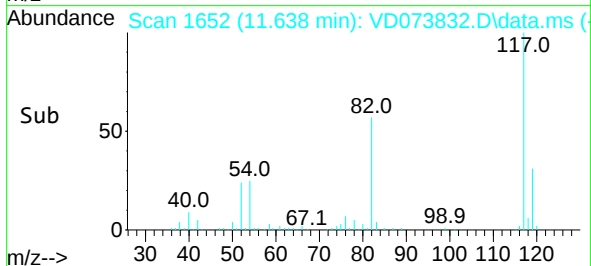
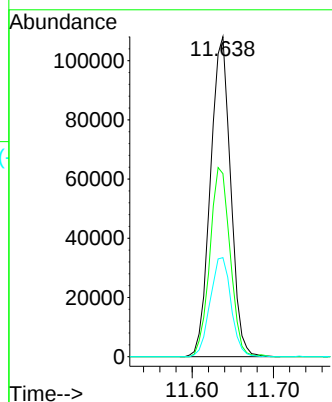
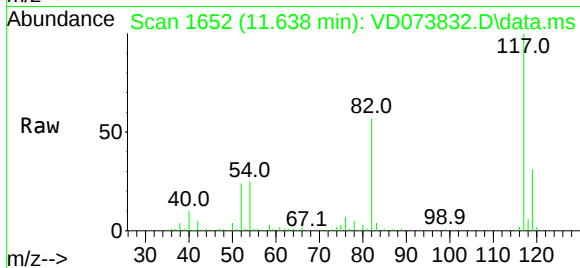
Tgt Ion:117 Resp: 186400

Ion Ratio Lower Upper

117 100

82 57.2 46.6 69.8

119 31.0 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073832.D

Acq: 12 Jul 2022 11:20

Tgt Ion:152 Resp: 78280

Ion Ratio Lower Upper

152 100

115 65.9 33.5 100.5

150 156.3 0.0 343.2

