

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062822\  
 Data File : VD073749.D  
 Acq On : 28 Jun 2022 14:00  
 Operator : VA/SY  
 Sample : N3492-02  
 Misc : 5.08G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SOIL-PILE

Quant Time: Jun 29 01:42:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062722S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 27 16:20:04 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 254004   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.856  | 114  | 429449   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 378900   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 0.000  | 152  | 0        | 0.000  | ug/l  | -13.56   |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 139766   | 69.079   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 138.160% |
| 35) Dibromofluoromethane    | 7.909  | 113   | 142748   | 57.601   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 115.200% |
| 50) Toluene-d8              | 10.332 | 98    | 500582   | 59.568   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 119.140% |
| 62) 4-Bromofluorobenzene    | 12.502 | 95    | 140      | 0.040    | ug/l | -0.12    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 0.080%#  |

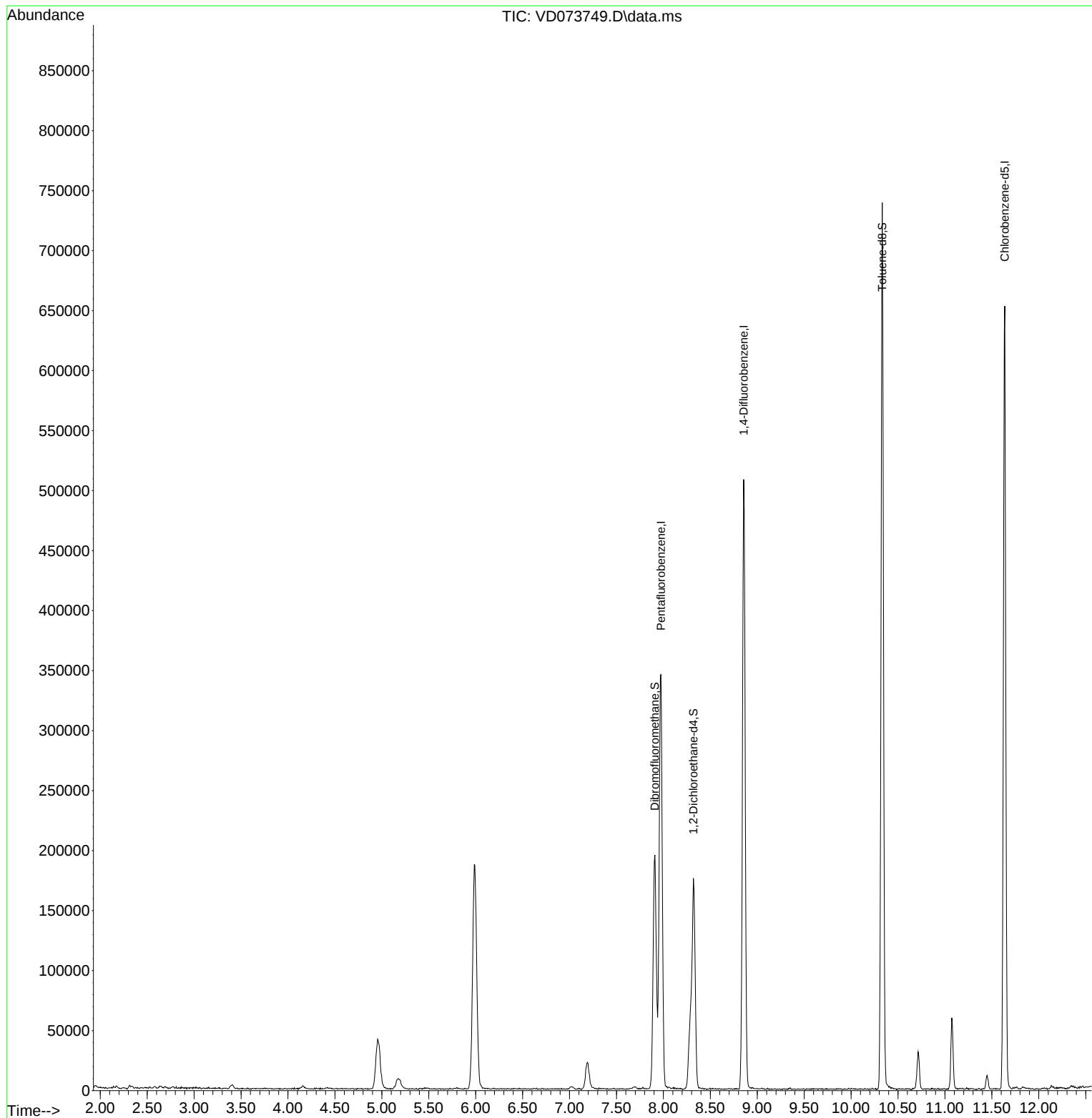
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

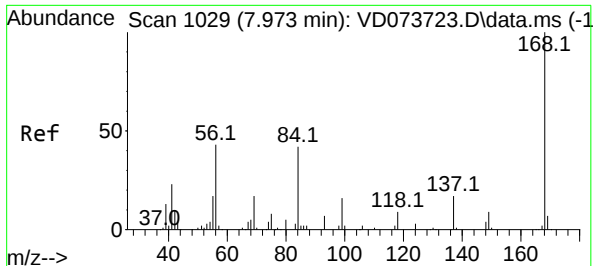
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Jun 27 16:20:04 2022  
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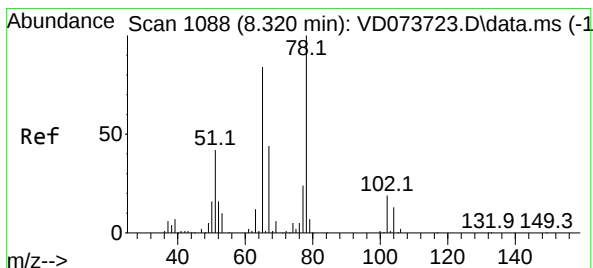
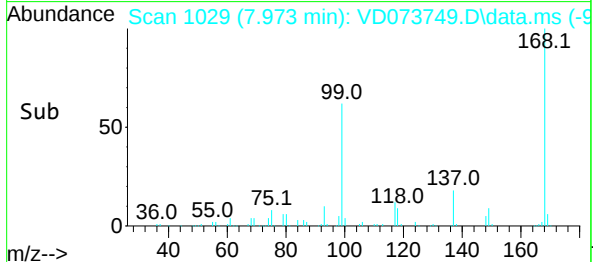
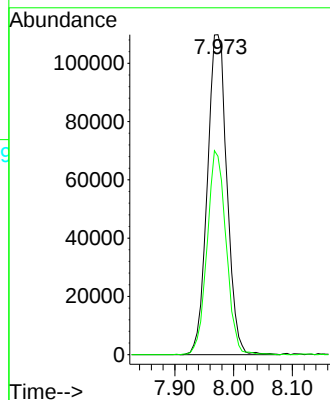
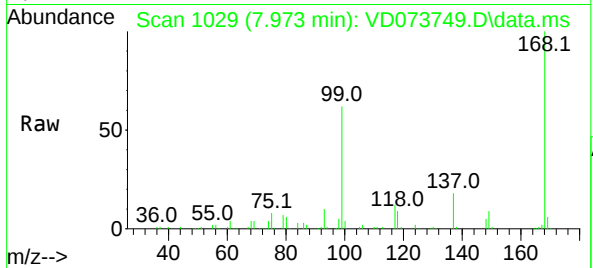




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073749.D  
Acq: 28 Jun 2022 14:00

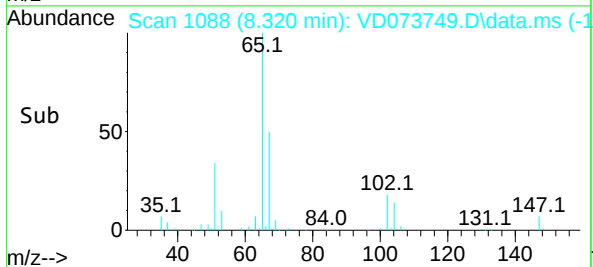
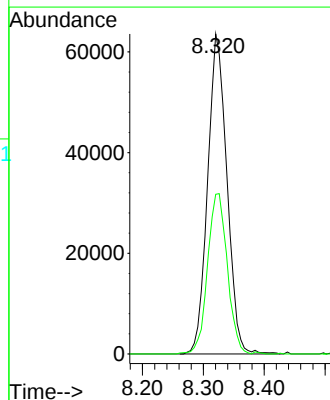
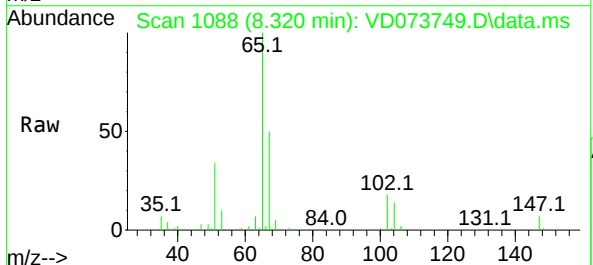
Instrument :  
MSVOA\_D  
ClientSampleId :  
SOIL-PILE

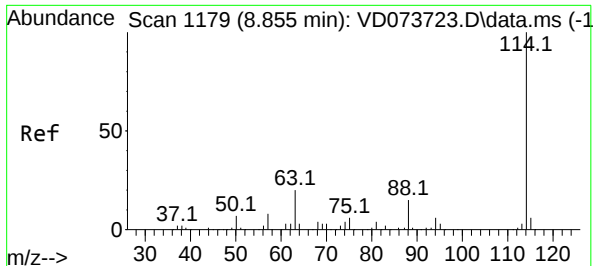
Tgt Ion:168 Resp: 254004  
Ion Ratio Lower Upper  
168 100  
99 62.0 46.4 69.6



#33  
1,2-Dichloroethane-d4  
Concen: 69.079 ug/l  
RT: 8.320 min Scan# 1088  
Delta R.T. 0.000 min  
Lab File: VD073749.D  
Acq: 28 Jun 2022 14:00

Tgt Ion: 65 Resp: 139766  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073749.D

Acq: 28 Jun 2022 14:00

Instrument :

MSVOA\_D

ClientSampleId :

SOIL-PILE

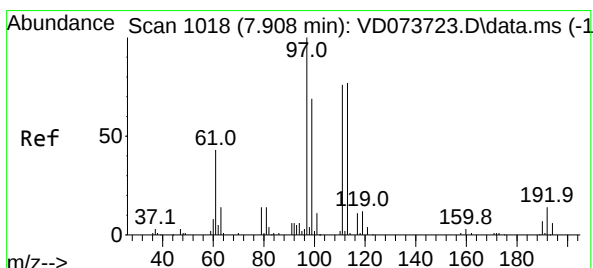
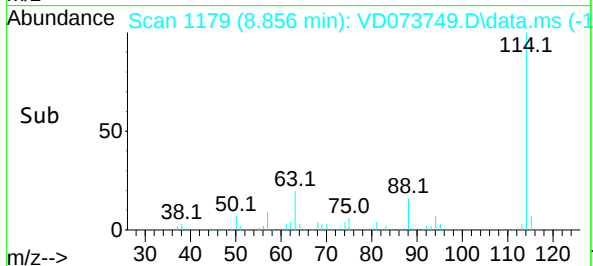
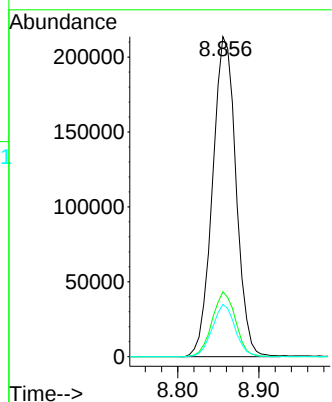
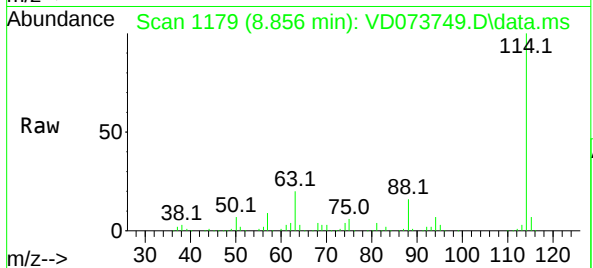
Tgt Ion:114 Resp: 429449

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.2

88 16.3 0.0 29.4



#35

Dibromofluoromethane

Concen: 57.601 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.001 min

Lab File: VD073749.D

Acq: 28 Jun 2022 14:00

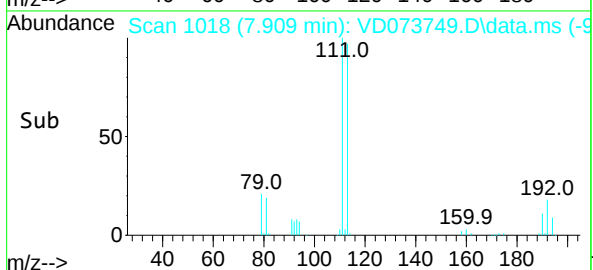
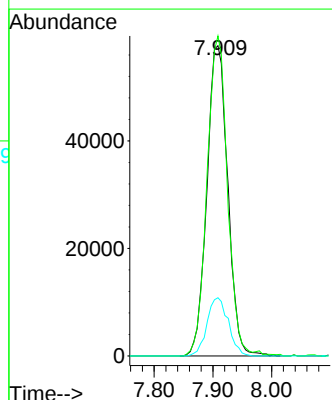
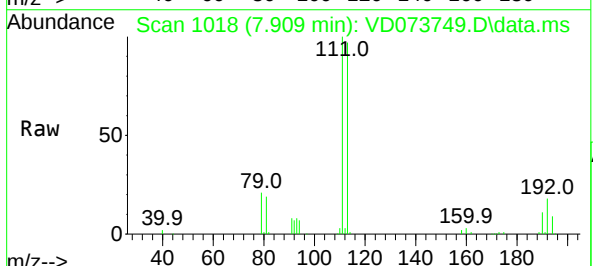
Tgt Ion:113 Resp: 142748

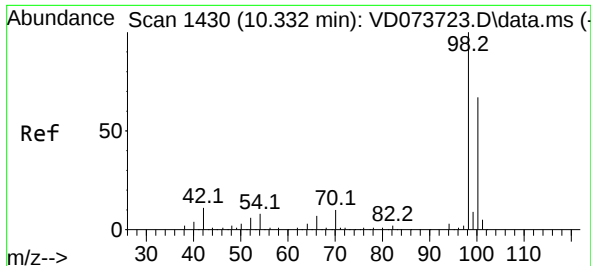
Ion Ratio Lower Upper

113 100

111 101.2 81.8 122.6

192 19.2 14.8 22.2

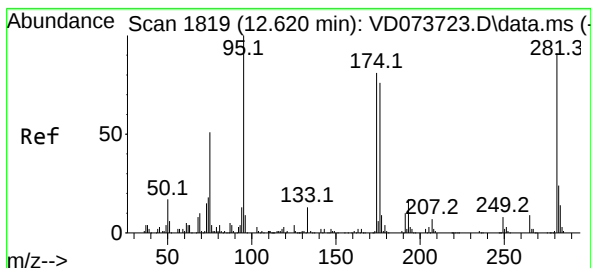
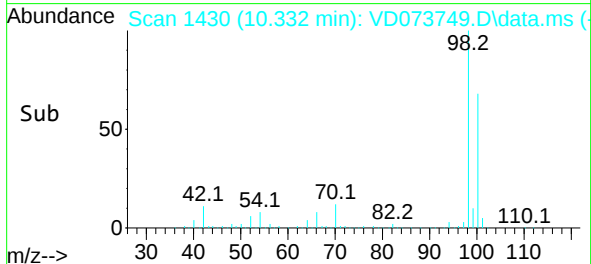
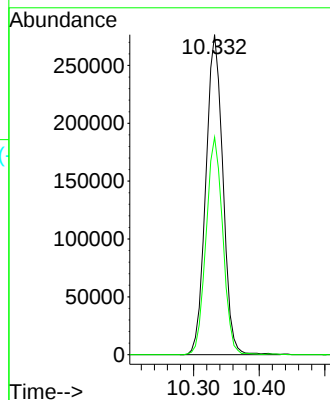
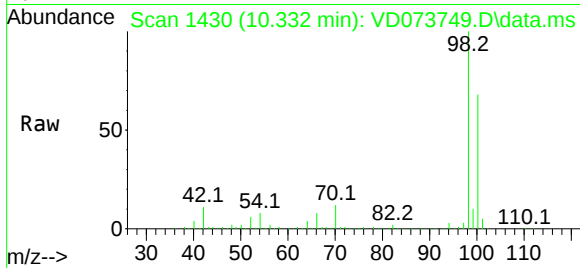




#50  
Toluene-d8  
Concen: 59.568 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073749.D  
Acq: 28 Jun 2022 14:00

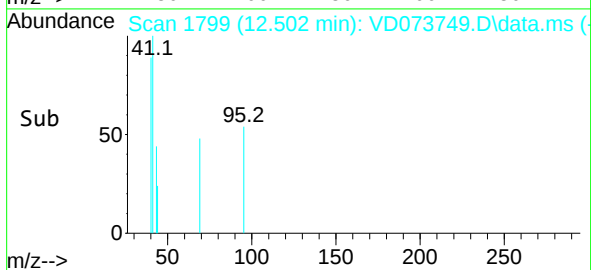
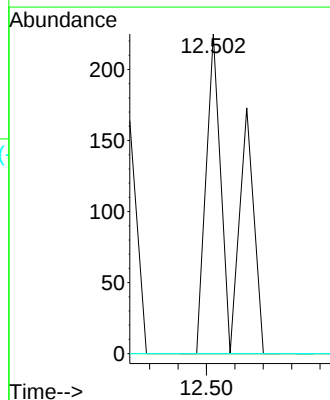
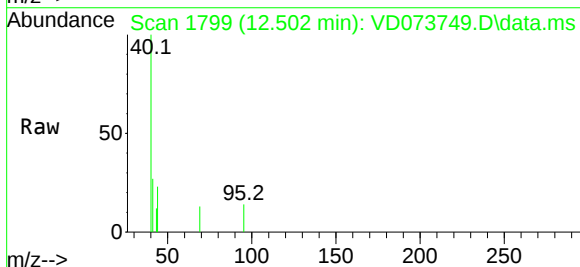
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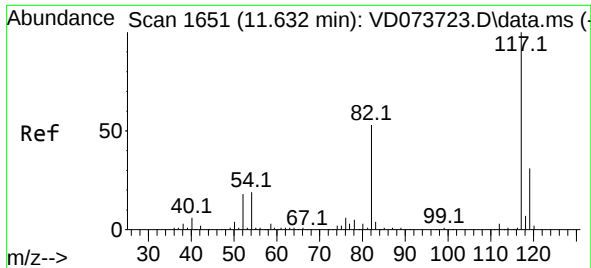
Tgt Ion: 98 Resp: 500582  
Ion Ratio Lower Upper  
98 100  
100 66.7 54.0 81.0



#62  
4-Bromofluorobenzene  
Concen: 0.040 ug/l  
RT: 12.502 min Scan# 1799  
Delta R.T. -0.118 min  
Lab File: VD073749.D  
Acq: 28 Jun 2022 14:00

Tgt Ion: 95 Resp: 140  
Ion Ratio Lower Upper  
95 100  
174 0.0 0.0 158.4  
176 0.0 0.0 154.8

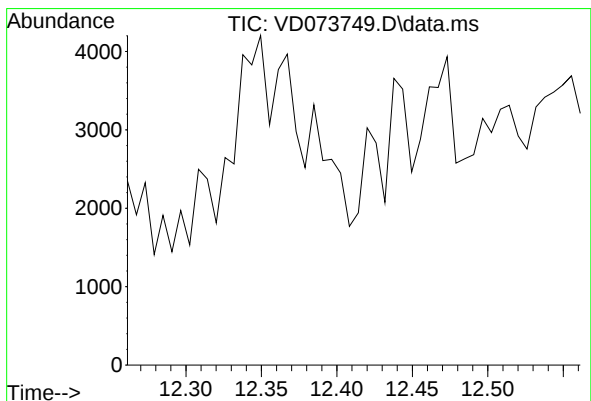
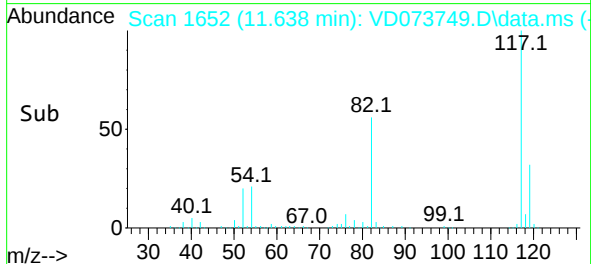
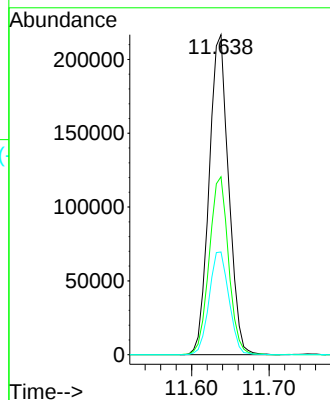
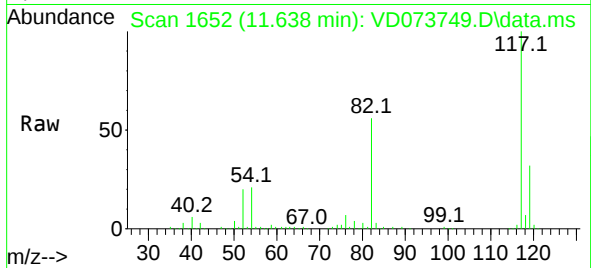




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VD073749.D  
Acq: 28 Jun 2022 14:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
SOIL-PILE

Tgt Ion:117 Resp: 378900  
Ion Ratio Lower Upper  
117 100  
82 55.6 41.5 62.3  
119 32.1 27.1 40.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 0.000 ug/l  
Expected RT: 13.56 min

Lab File: VD073749.D  
Acq: 28 Jun 2022 14:00

Tgt Ion: 152  
Sig Exp Ratio  
152 100  
115 61.1  
150 177.5

