

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030122\  
 Data File : VD072135.D  
 Acq On : 01 Mar 2022 13:08  
 Operator : VA/SY  
 Sample : N1650-01  
 Misc : 5.09G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SW-SURFICIAL-SOIL-(SW-SS)

Quant Time: Mar 02 06:08:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 19 04:05:38 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 540171   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 923981   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 888995   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 408494   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 270532   | 48.282   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 96.560%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 283637   | 50.666   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.340% |
| 50) Toluene-d8              | 10.332 | 98    | 1141363  | 54.978   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 109.960% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 411427   | 53.952   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 107.900% |

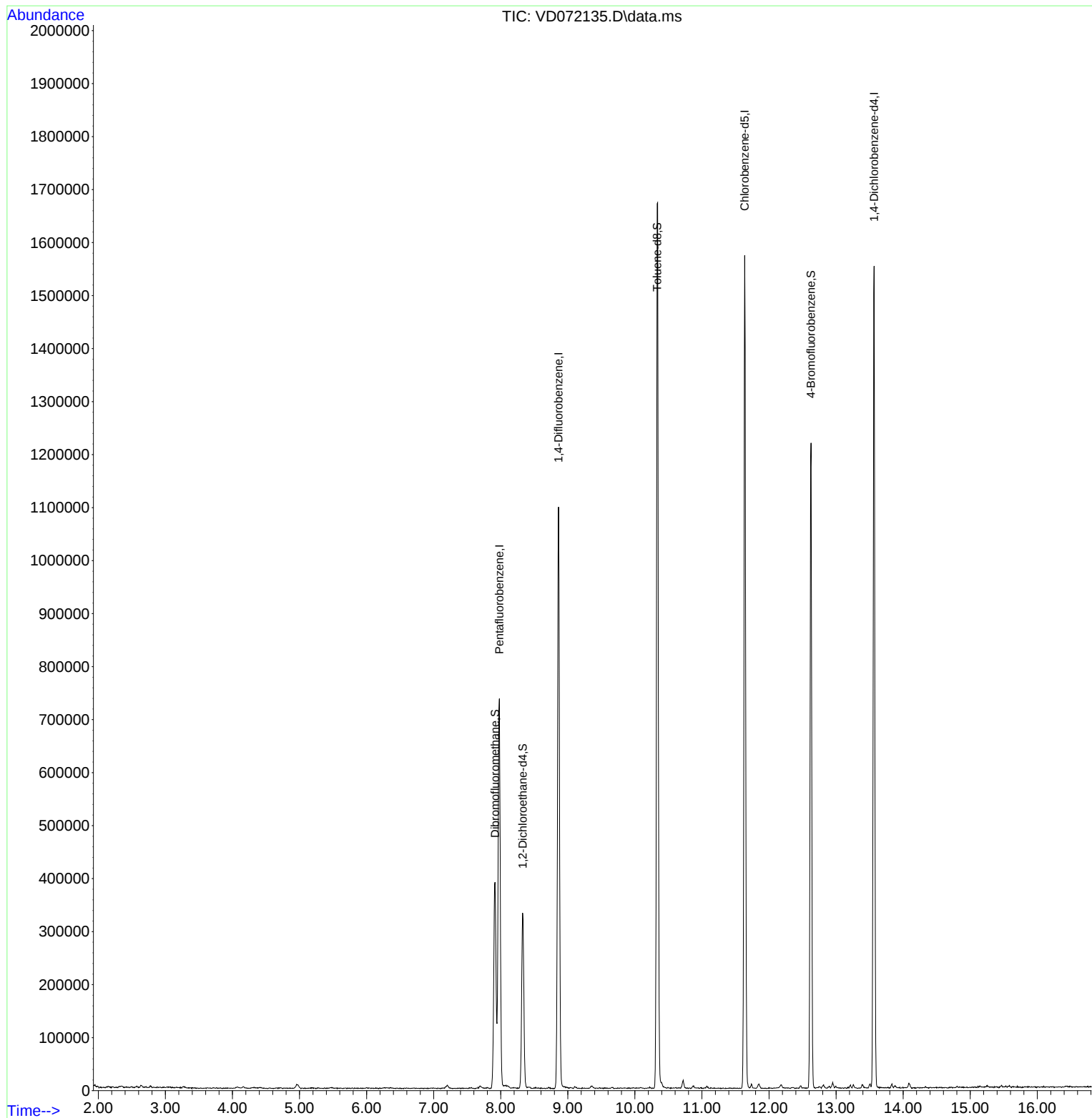
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

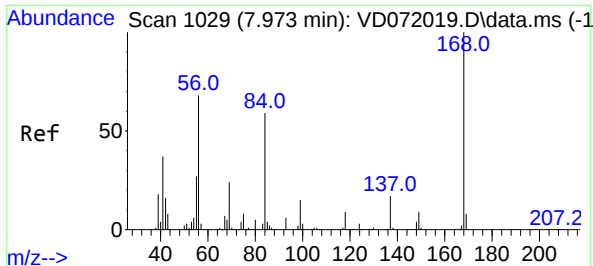
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 19 04:05:38 2022  
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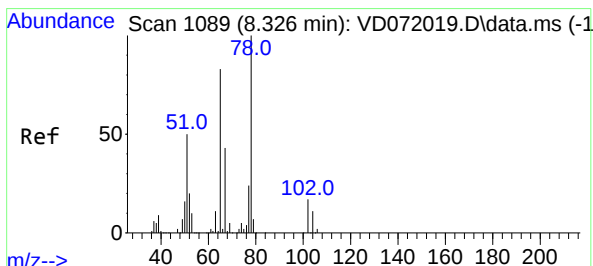
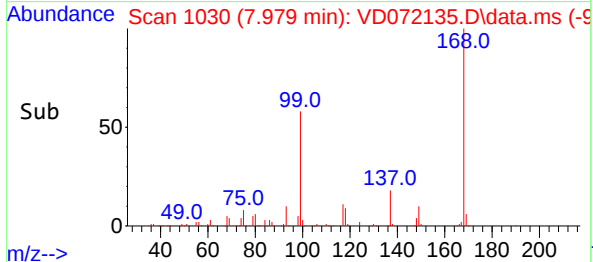
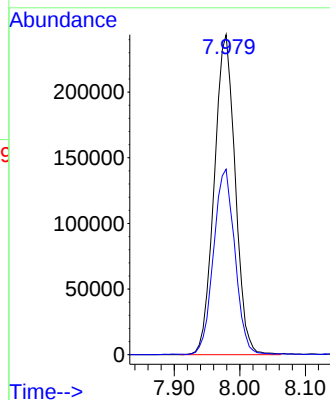
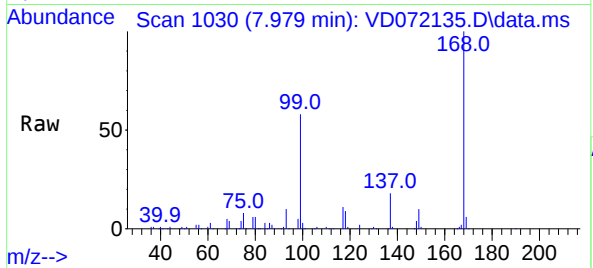




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1029  
Delta R.T. 0.006 min  
Lab File: VD072135.D  
Acq: 01 Mar 2022 13:08

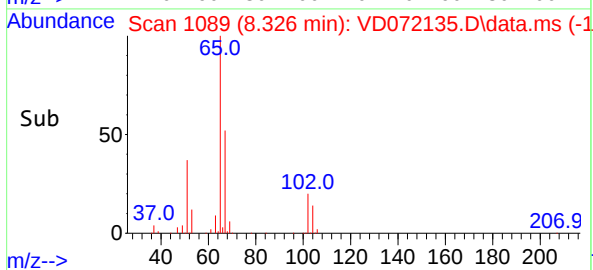
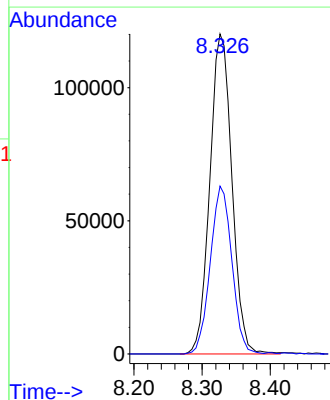
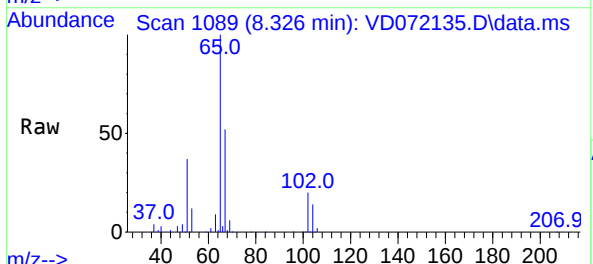
Instrument :  
MSVOA\_D  
ClientSampleId :  
SW-SURFICIAL-SOIL-(SW-SS)

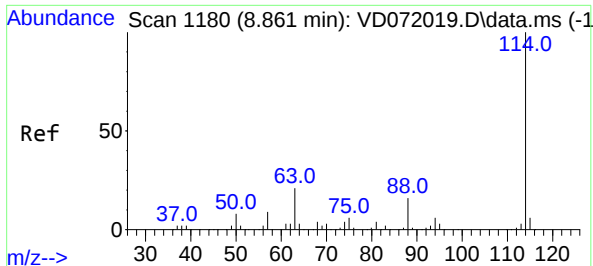
Tgt Ion:168 Resp: 540171  
Ion Ratio Lower Upper  
168 100  
99 57.8 47.1 70.7



#33  
1,2-Dichloroethane-d4  
Concen: 48.282 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD072135.D  
Acq: 01 Mar 2022 13:08

Tgt Ion: 65 Resp: 270532  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072135.D

Acq: 01 Mar 2022 13:08

Instrument :

MSVOA\_D

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)

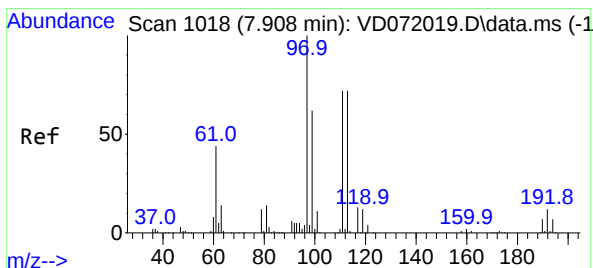
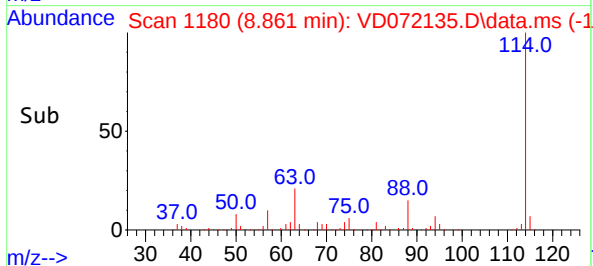
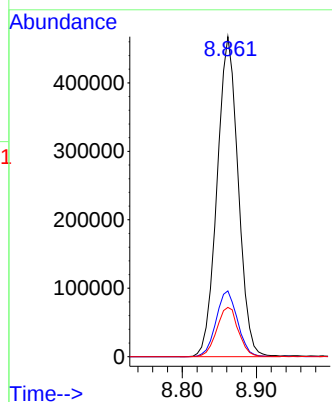
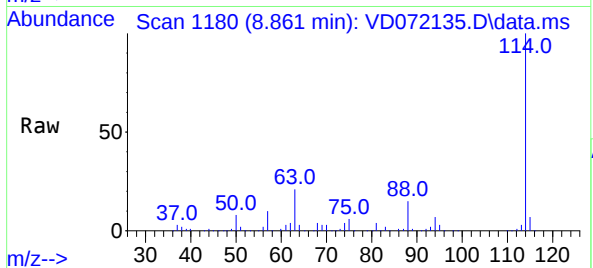
Tgt Ion:114 Resp: 923981

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.2

88 15.4 0.0 31.2



#35

Dibromofluoromethane

Concen: 50.666 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072135.D

Acq: 01 Mar 2022 13:08

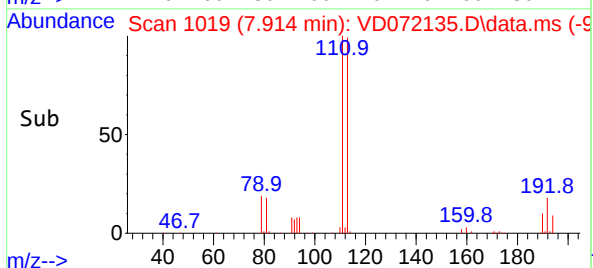
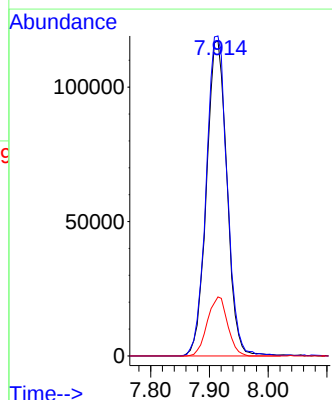
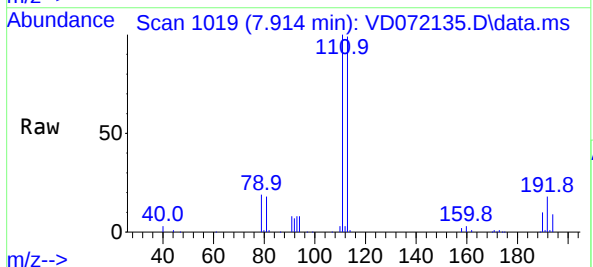
Tgt Ion:113 Resp: 283637

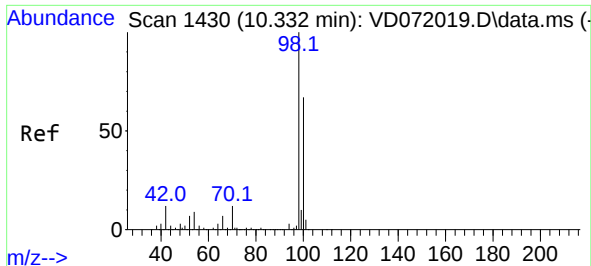
Ion Ratio Lower Upper

113 100

111 103.9 83.0 124.4

192 18.5 15.3 22.9

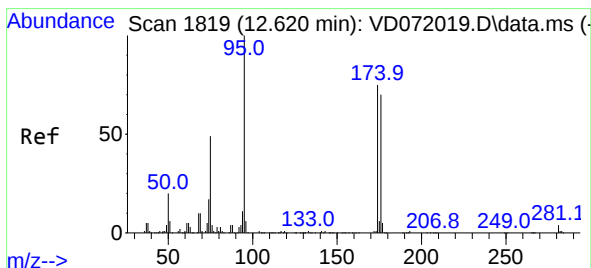
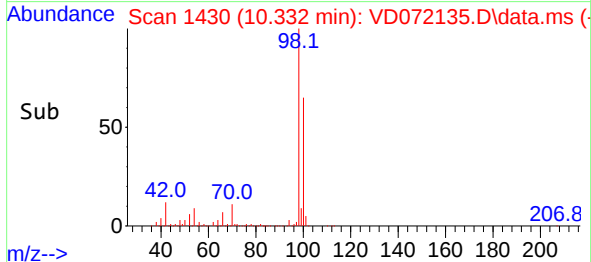
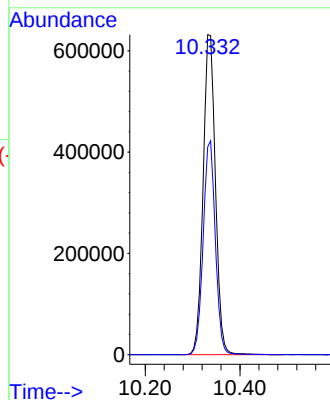
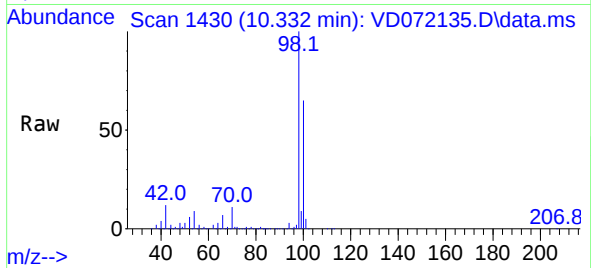




#50  
Toluene-d8  
Concen: 54.978 ug/l  
RT: 10.332 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VD072135.D  
Acq: 01 Mar 2022 13:08

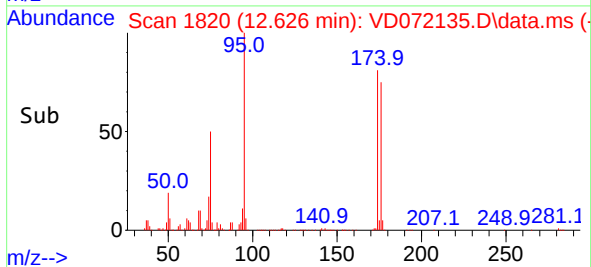
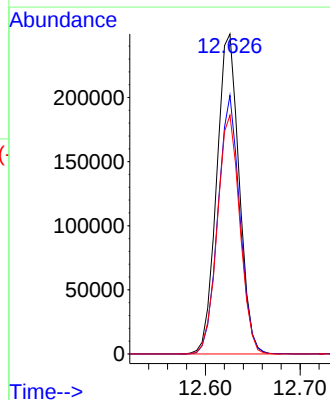
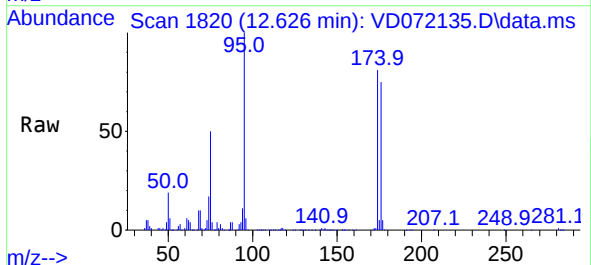
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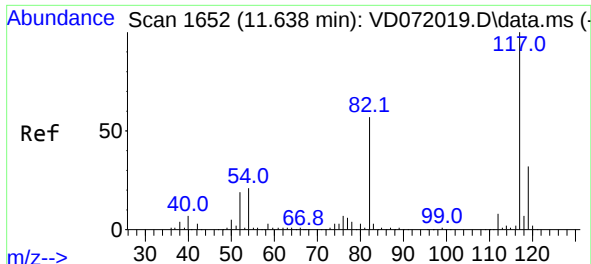
Tgt Ion: 98 Resp: 1141363  
Ion Ratio Lower Upper  
98 100  
100 66.0 53.8 80.6



#62  
4-Bromofluorobenzene  
Concen: 53.952 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: VD072135.D  
Acq: 01 Mar 2022 13:08

Tgt Ion: 95 Resp: 411427  
Ion Ratio Lower Upper  
95 100  
174 78.3 0.0 155.0  
176 74.6 0.0 148.8

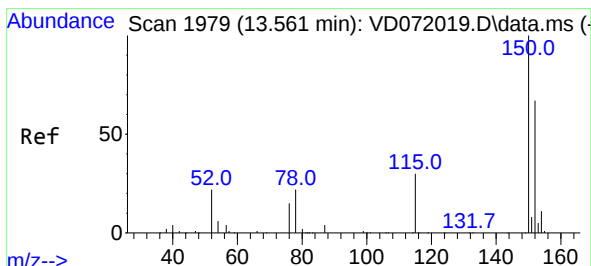
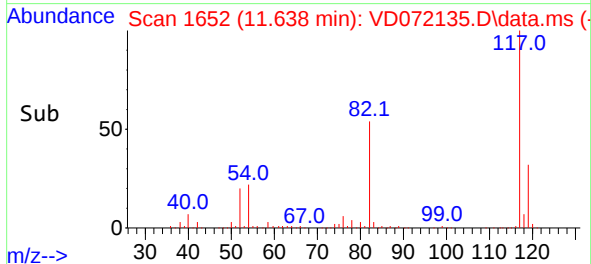
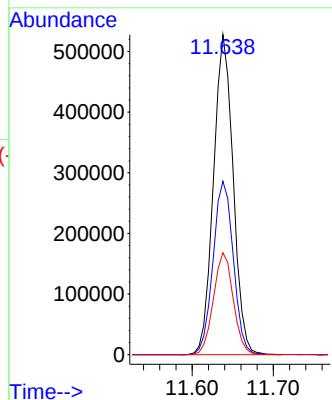
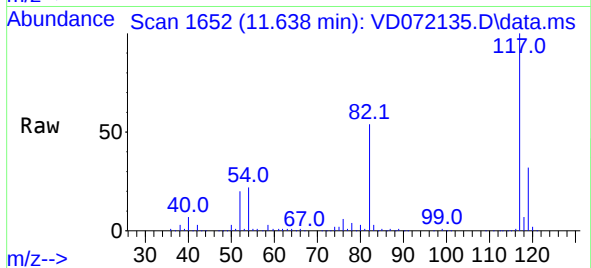




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VD072135.D  
Acq: 01 Mar 2022 13:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
SW-SURFICIAL-SOIL-(SW-SS)

Tgt Ion:117 Resp: 888995  
Ion Ratio Lower Upper  
117 100  
82 54.2 45.4 68.0  
119 31.9 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.006 min  
Lab File: VD072135.D  
Acq: 01 Mar 2022 13:08

Tgt Ion:152 Resp: 408494  
Ion Ratio Lower Upper  
152 100  
115 60.1 29.9 89.7  
150 157.3 0.0 347.6

