

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050521\  
 Data File : VD069073.D  
 Acq On : 05 May 2021 17:05  
 Operator : VA/SY  
 Sample : M2279-02  
 Misc : 5.69G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EME-13

Quant Time: May 06 05:46:32 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050421S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 05 04:16:41 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 5221     | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 11536    | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.643 | 117   | 9903     | 50.00    | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 2442     | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 10559    | 156.92   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 313.84%# |
| 35) Dibromofluoromethane    | 7.914  | 113   | 6270     | 79.26    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 158.52%# |
| 50) Toluene-d8              | 10.343 | 98    | 11230    | 38.45    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 76.90%   |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 3070     | 31.96    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 63.92%   |

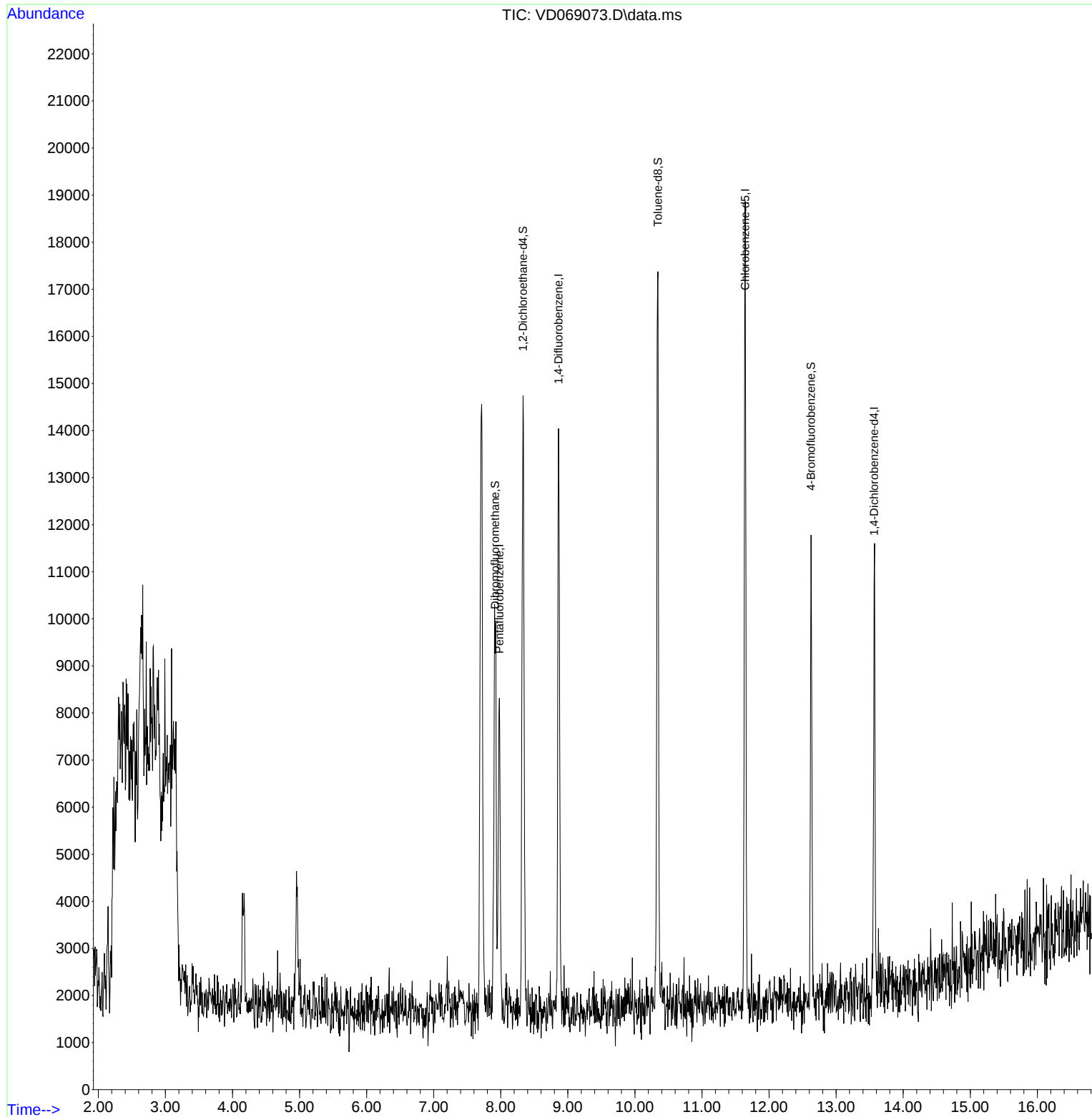
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

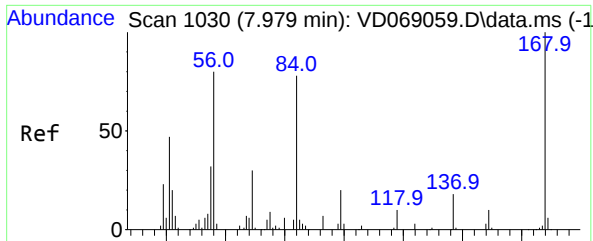
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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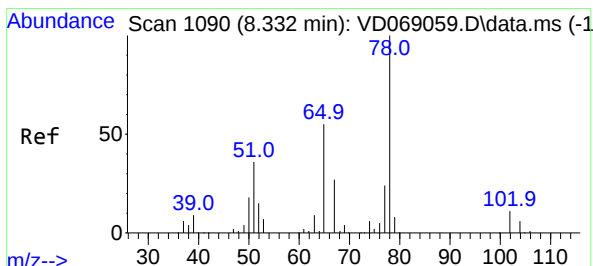
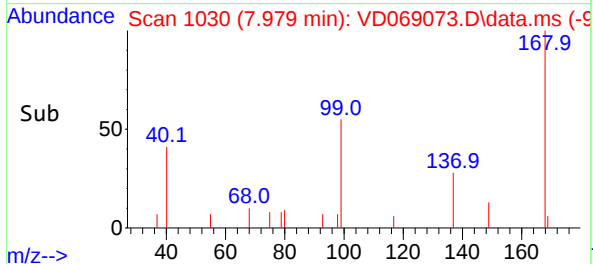
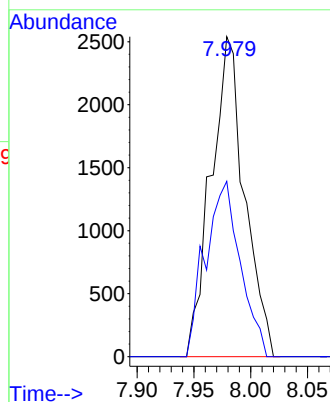
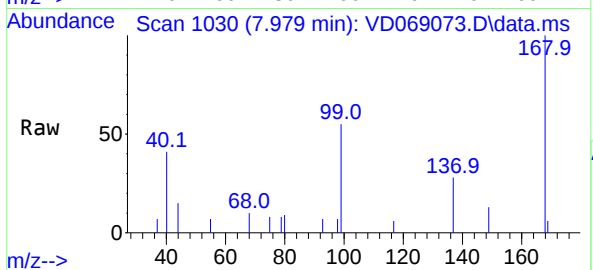




Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD069073.D  
Acq: 05 May 2021 17:05

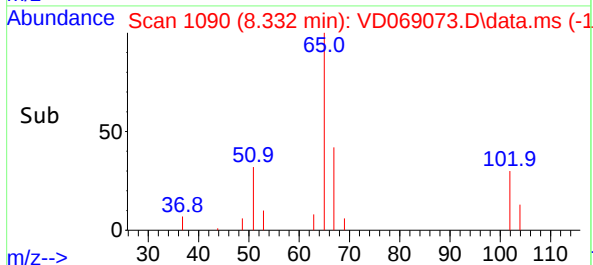
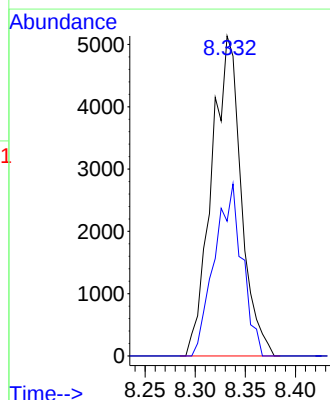
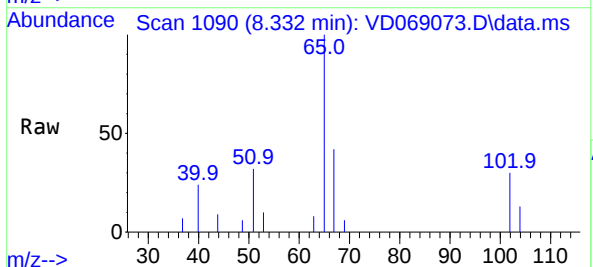
Instrument :  
MSVOA\_D  
ClientSampleId :  
EME-13

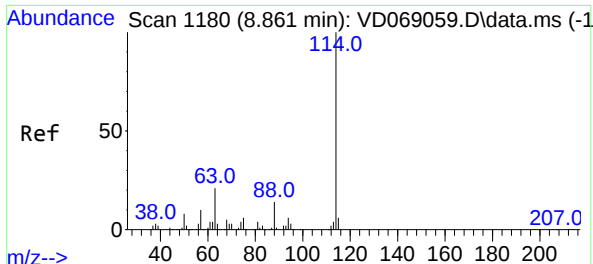
Tgt Ion:168 Resp: 5221  
Ion Ratio Lower Upper  
168 100  
99 54.8 52.6 78.8



1,2-Dichloroethane-d4  
Concen: 156.92 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD069073.D  
Acq: 05 May 2021 17:05

Tgt Ion: 65 Resp: 10559  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 103.4



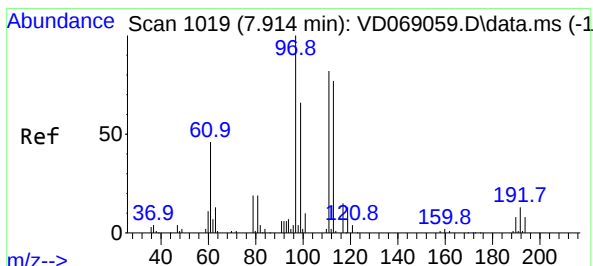
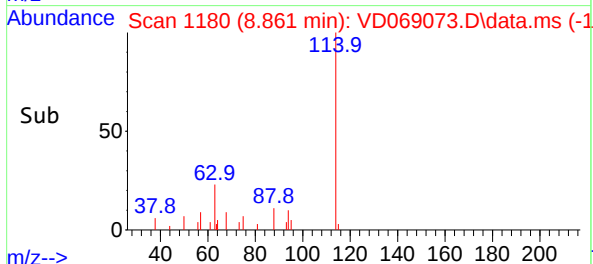
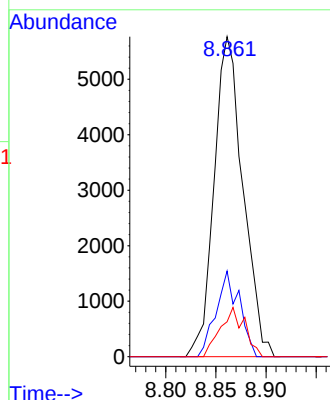
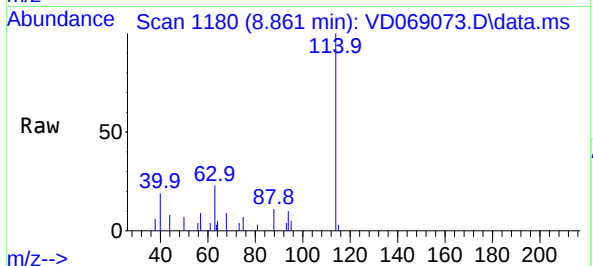


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD069073.D  
Acq: 05 May 2021 17:05

Instrument :  
MSVOA\_D  
ClientSampled :  
EME-13

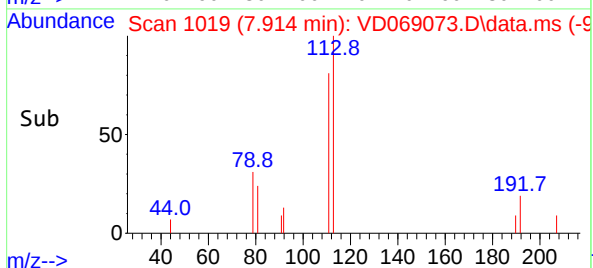
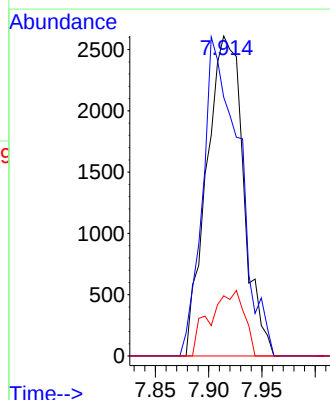
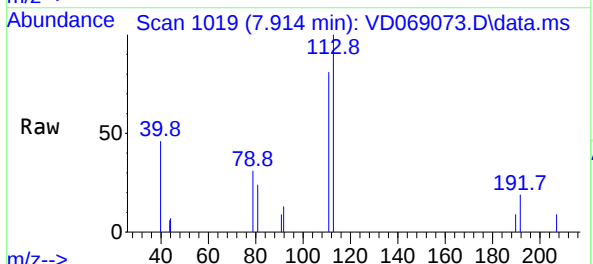
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 11536 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 26.7  | 0.0   | 41.4  |
| 88        | 10.9  | 0.0   | 27.8  |

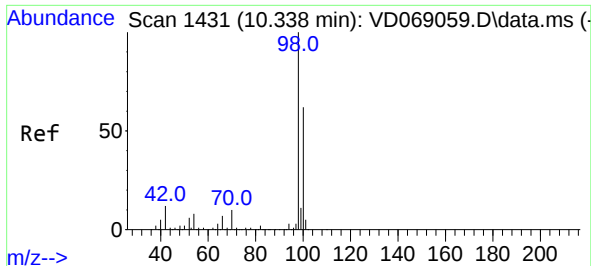


#35

Dibromofluoromethane  
Concen: 79.26 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD069073.D  
Acq: 05 May 2021 17:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 6270   |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 0.0   | 84.6  | 126.8# |
| 192       | 19.2  | 13.5  | 20.3   |

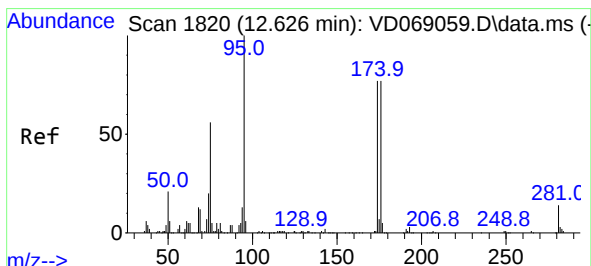
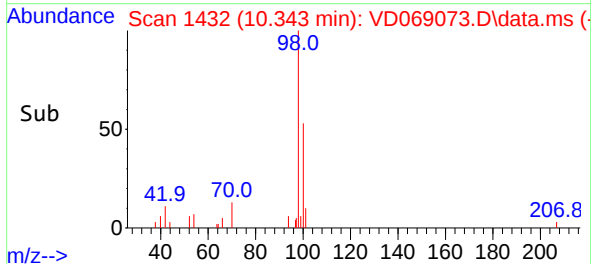
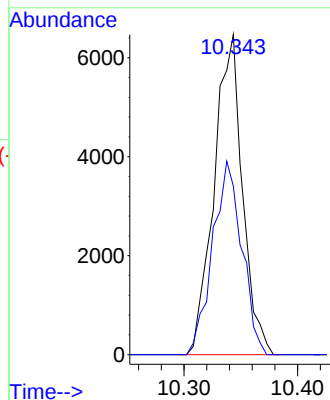
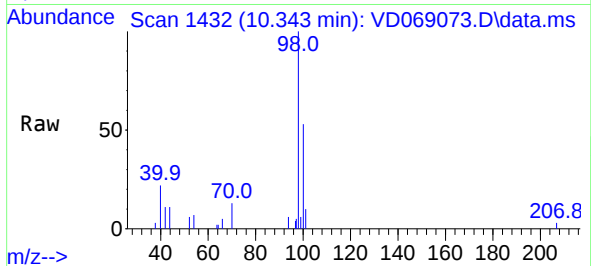




#50  
Toluene-d8  
Concen: 38.45 ug/l  
RT: 10.343 min Scan# 1432  
Delta R.T. 0.006 min  
Lab File: VD069073.D  
Acq: 05 May 2021 17:05

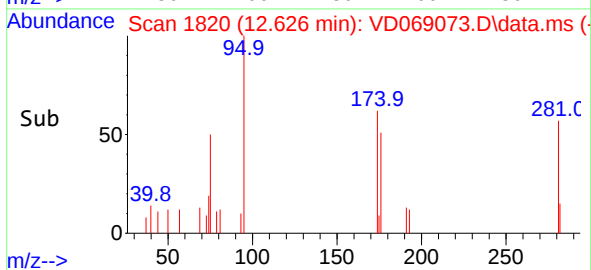
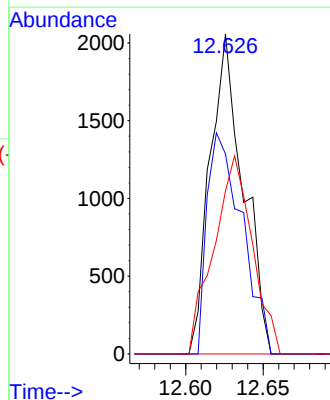
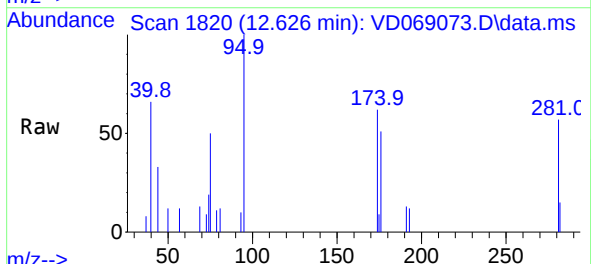
Instrument :  
MSVOA\_D  
ClientSampleID :  
EME-13

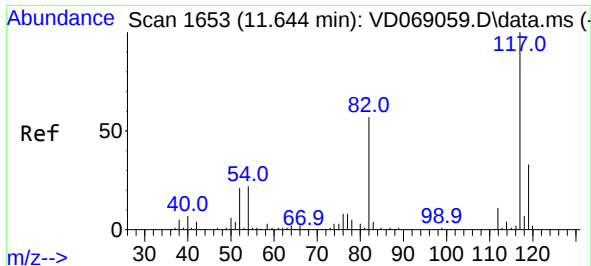
Tgt Ion: 98 Resp: 11230  
Ion Ratio Lower Upper  
98 100  
100 62.3 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 31.96 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD069073.D  
Acq: 05 May 2021 17:05

Tgt Ion: 95 Resp: 3070  
Ion Ratio Lower Upper  
95 100  
174 72.4 0.0 156.0  
176 71.7 0.0 149.4

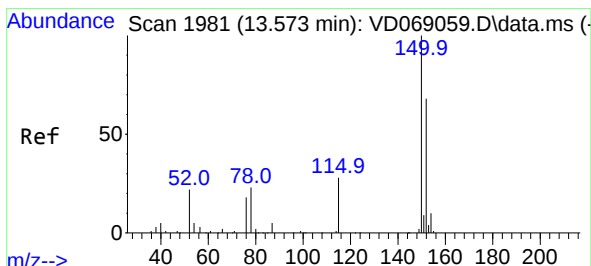
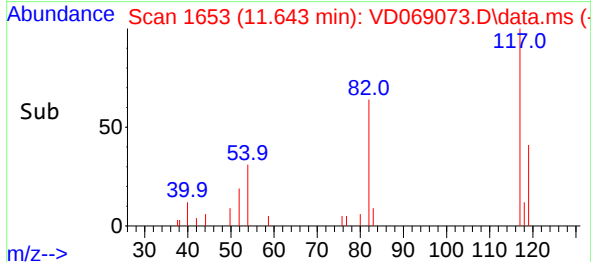
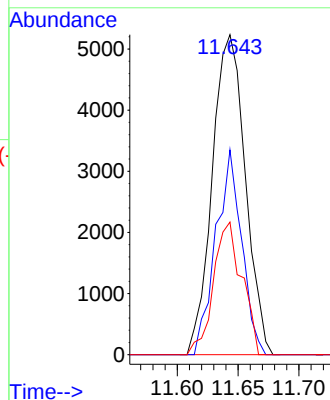
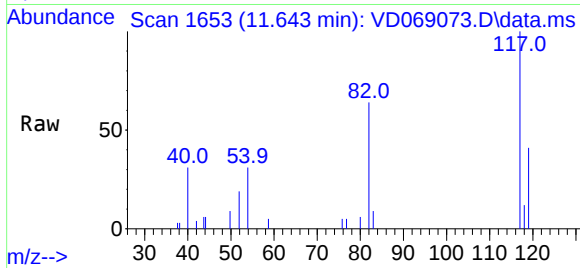




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.643 min Scan# 1653  
Delta R.T. -0.000 min  
Lab File: VD069073.D  
Acq: 05 May 2021 17:05

Instrument :  
MSVOA\_D  
ClientSampleId :  
EME-13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 9903  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 64.0  | 45.4  | 68.2  |
| 119      | 41.5  | 26.8  | 40.2# |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.006 min  
Lab File: VD069073.D  
Acq: 05 May 2021 17:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 2442  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 70.1  | 30.5  | 91.5  |
| 150      | 156.3 | 0.0   | 340.8 |

