

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061223\  
 Data File : VY014126.D  
 Acq On : 12 Jun 2023 17:29  
 Operator : KP/MD  
 Sample : 03141-02  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CMC-EME-Topsoil-002

Quant Time: Jun 13 05:44:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 1807     | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 3083     | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.483 | 117   | 3025     | 50.000   | ug/l       | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 535      | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 1763     | 70.064   | ug/l       | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 140.120% |          |
| 35) Dibromofluoromethane    | 7.716  | 113   | 1037     | 47.430   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 94.860%  |          |
| 50) Toluene-d8              | 10.179 | 98    | 3898     | 47.688   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 95.380%  |          |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 742      | 25.554   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 51.100%  |          |

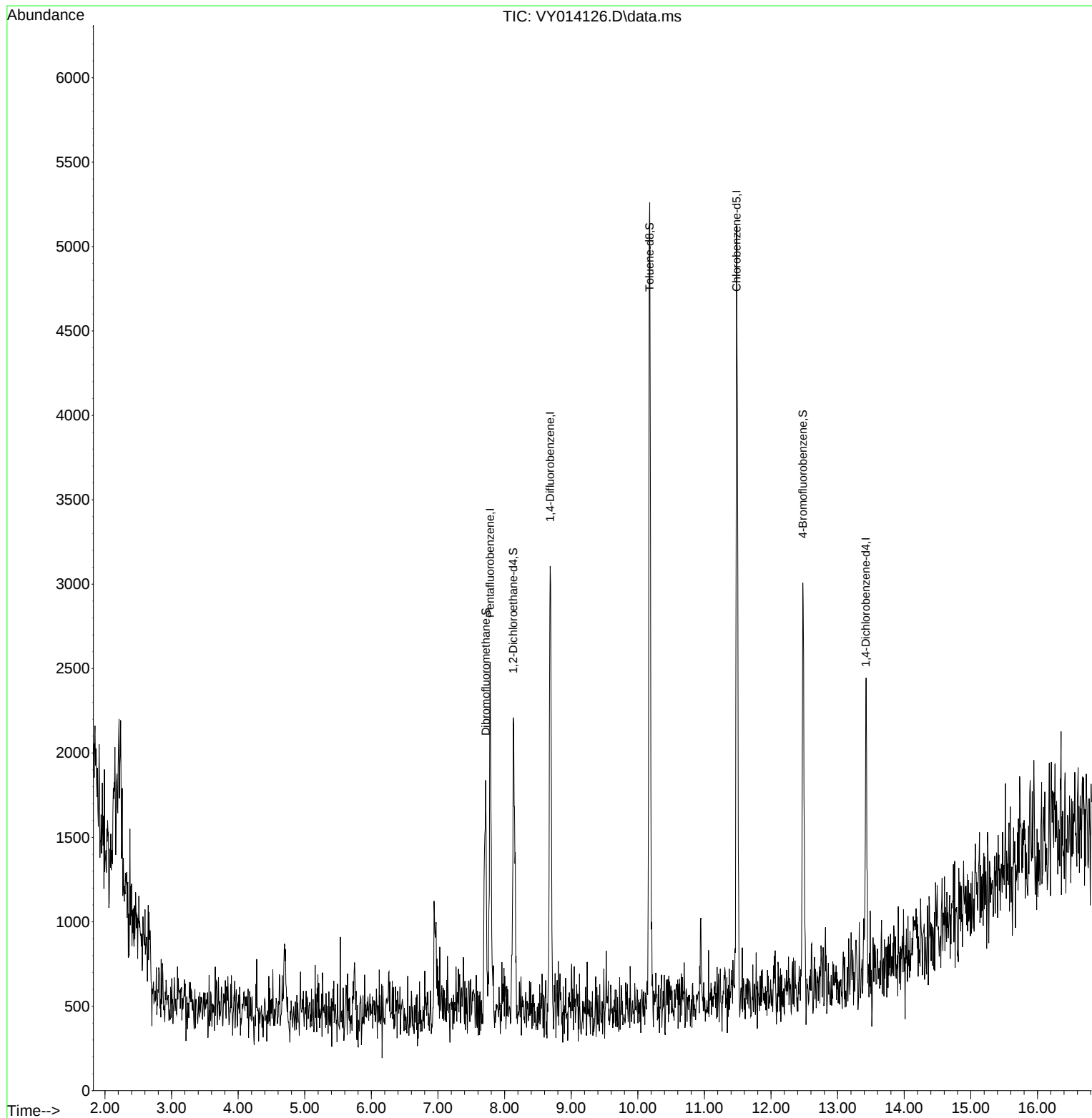
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

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

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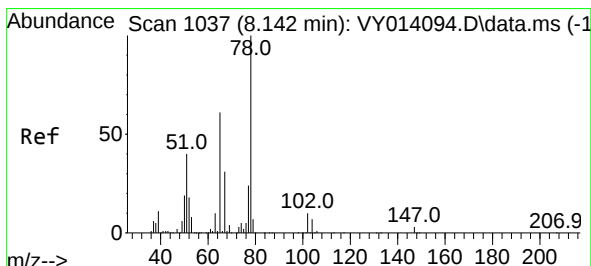
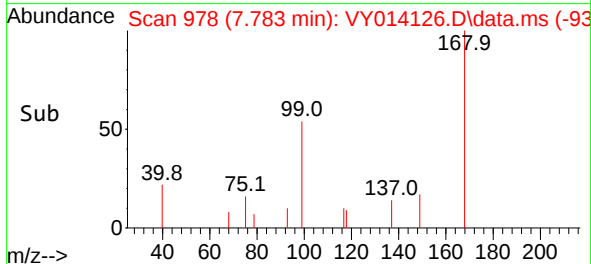
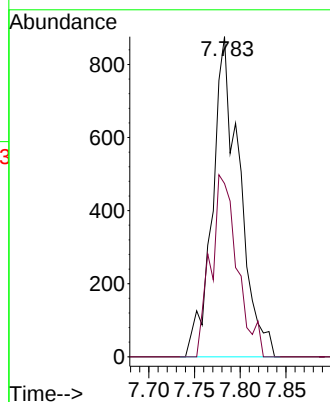
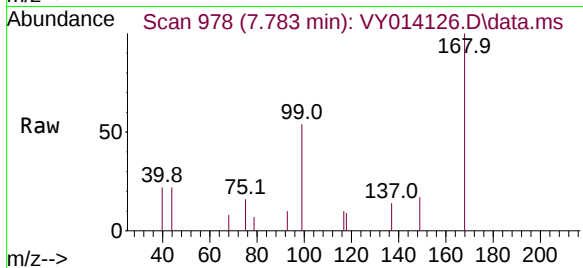




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014126.D  
Acq: 12 Jun 2023 17:29

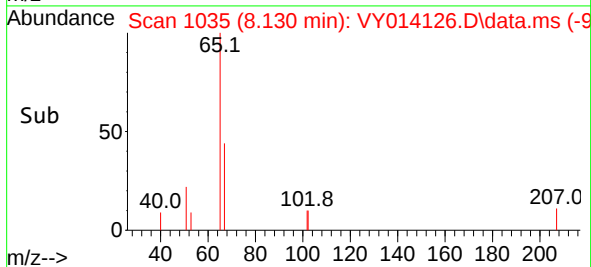
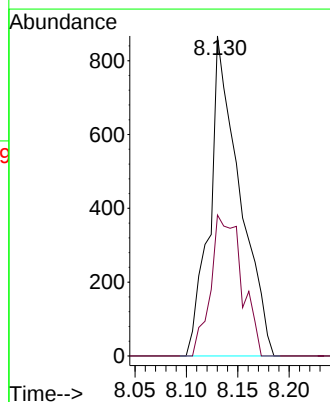
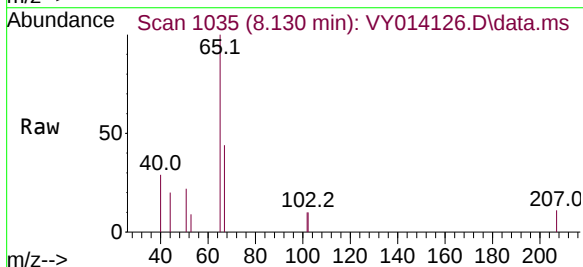
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CMC-EME-Topsoil-002

Tgt Ion:168 Resp: 1807  
Ion Ratio Lower Upper  
168 100  
99 54.1 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 70.064 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.012 min  
Lab File: VY014126.D  
Acq: 12 Jun 2023 17:29

Tgt Ion: 65 Resp: 1763  
Ion Ratio Lower Upper  
65 100  
67 45.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY014126.D

Acq: 12 Jun 2023 17:29

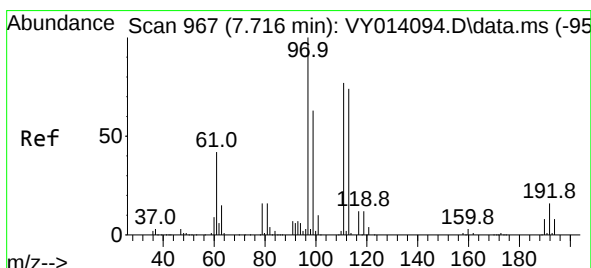
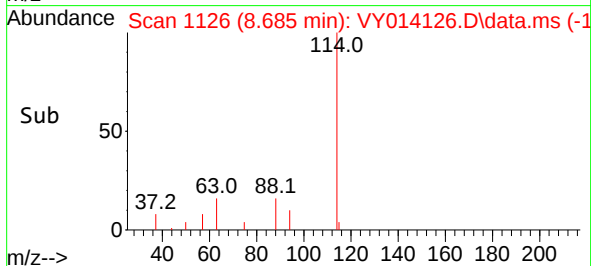
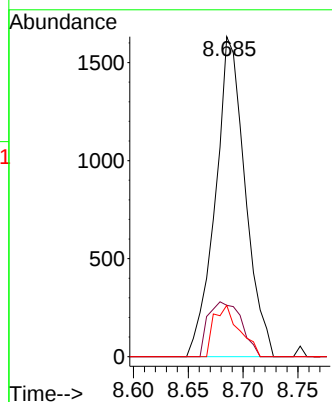
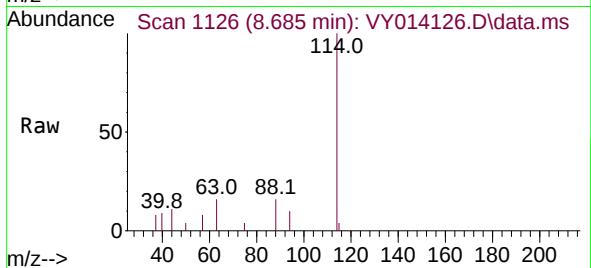
Instrument :

MSVOA\_Y

ClientSampleId :

CMC-EME-Topsoil-002

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 3083        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 16.1  | 0.0 42.4    |
| 88          | 16.1  | 0.0 30.6    |



#35

Dibromofluoromethane

Concen: 47.430 ug/l

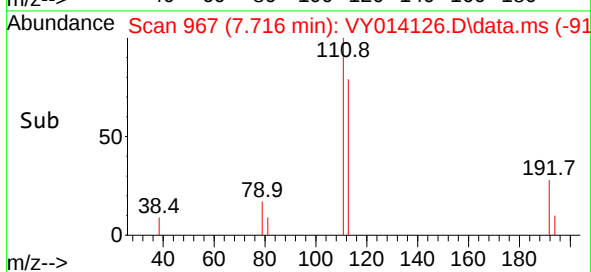
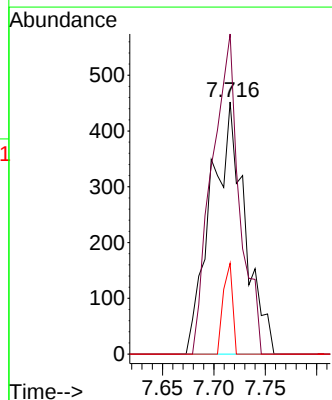
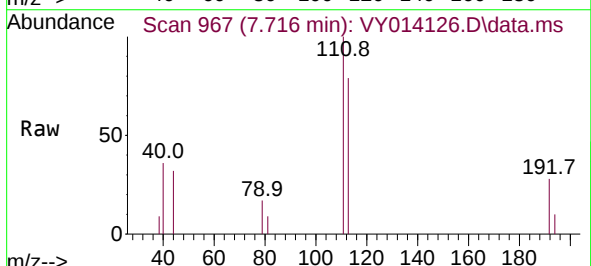
RT: 7.716 min Scan# 967

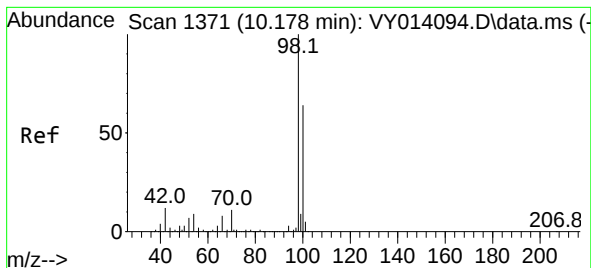
Delta R.T. -0.000 min

Lab File: VY014126.D

Acq: 12 Jun 2023 17:29

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 1037        |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 103.3 | 81.3 121.9  |
| 192         | 9.8   | 16.9 25.3   |





#50

Toluene-d8

Concen: 47.688 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014126.D

Acq: 12 Jun 2023 17:29

Instrument :

MSVOA\_Y

ClientSampleId :

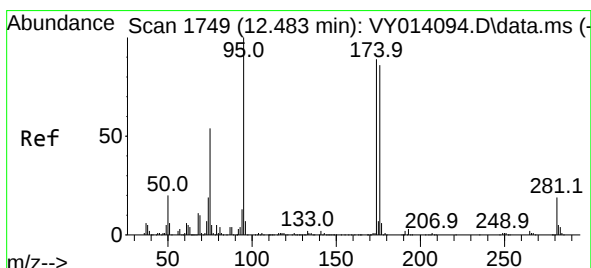
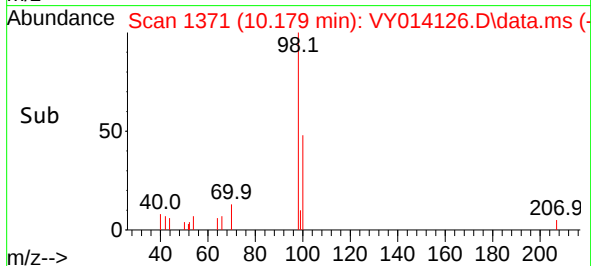
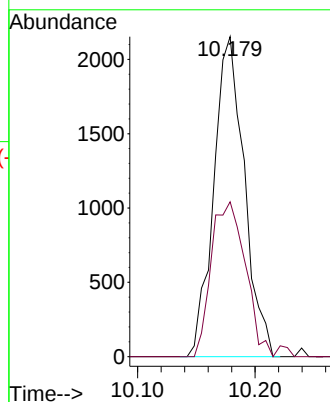
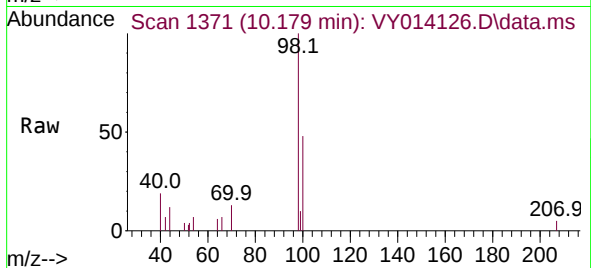
CMC-EME-Topsoil-002

Tgt Ion: 98 Resp: 3898

Ion Ratio Lower Upper

98 100

100 53.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 25.554 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY014126.D

Acq: 12 Jun 2023 17:29

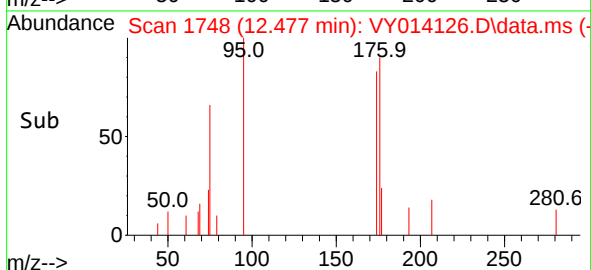
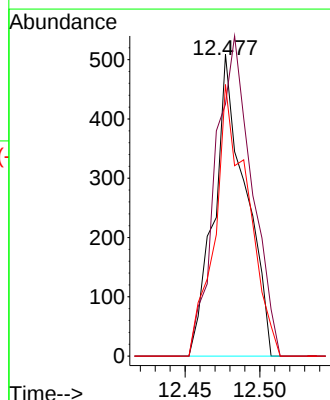
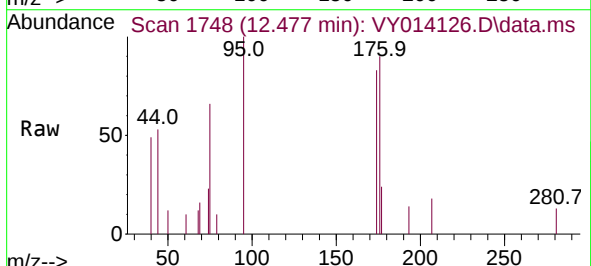
Tgt Ion: 95 Resp: 742

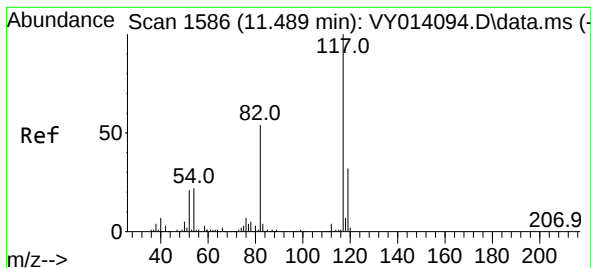
Ion Ratio Lower Upper

95 100

174 123.3 0.0 178.2

176 94.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014126.D

Acq: 12 Jun 2023 17:29

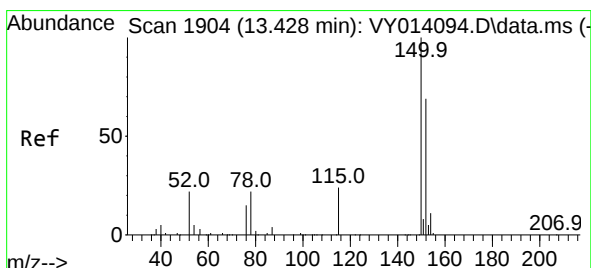
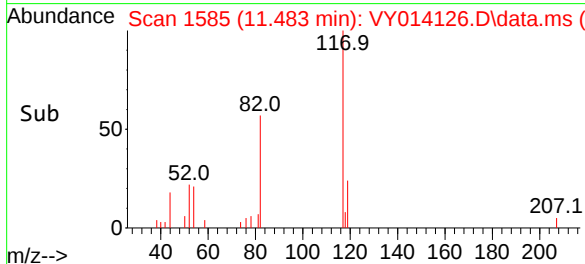
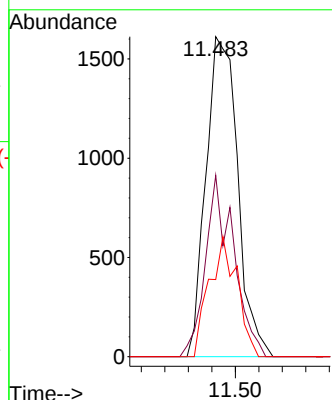
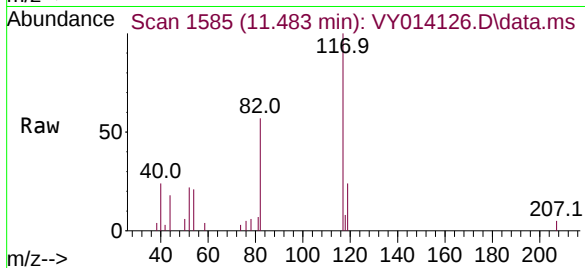
Instrument :

MSVOA\_Y

ClientSampleId :

CMC-EME-Topsoil-002

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 3025        |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 56.6  | 43.4 65.0   |
| 119         | 24.1  | 26.3 39.5#  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014126.D

Acq: 12 Jun 2023 17:29

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 535         |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 52.0  | 28.8 86.5   |
| 150         | 198.5 | 0.0 348.8   |

