

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011321\  
 Data File : VD068069.D  
 Acq On : 13 Jan 2021 14:18  
 Operator : VA/SY  
 Sample : M1069-02  
 Misc : 6.04G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FK-GF-02-065-A

Quant Time: Jan 13 15:26:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011221S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 13 03:57:57 2021  
 Response via : Initial Calibration

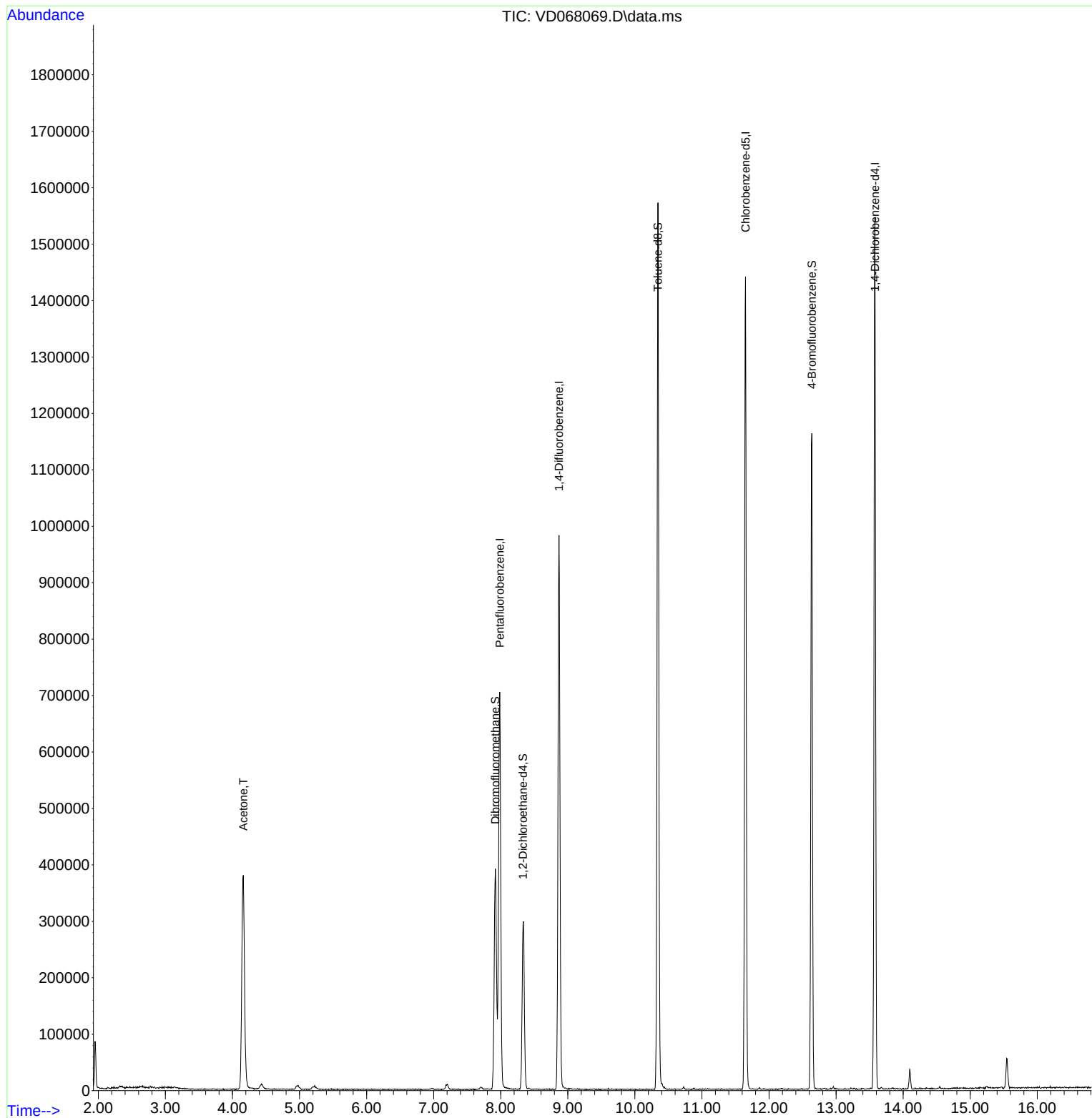
| Compound                    | R.T.   | QIon           | Response | Conc      | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|-----------|-------|----------|
| -----                       |        |                |          |           |       |          |
| Internal Standards          |        |                |          |           |       |          |
| 1) Pentafluorobenzene       | 7.985  | 168            | 533897   | 50.00     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114            | 900298   | 50.00     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.649 | 117            | 898526   | 50.00     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.579 | 152            | 432259   | 50.00     | ug/l  | 0.00     |
| System Monitoring Compounds |        |                |          |           |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65             | 251442   | 55.39     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 50 - 163 | Recovery | = 110.78% |       |          |
| 35) Dibromofluoromethane    | 7.920  | 113            | 282193   | 54.99     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 54 - 147 | Recovery | = 109.98% |       |          |
| 50) Toluene-d8              | 10.344 | 98             | 1077192  | 56.95     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 49 - 140 | Recovery | = 113.90% |       |          |
| 62) 4-Bromofluorobenzene    | 12.638 | 95             | 384879   | 58.09     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 25 - 144 | Recovery | = 116.18% |       |          |
| Target Compounds            |        |                |          |           |       | Qvalue   |
| 16) Acetone                 | 4.162  | 43             | 664750   | 923.92    | ug/l  | 92       |
| -----                       |        |                |          |           |       |          |

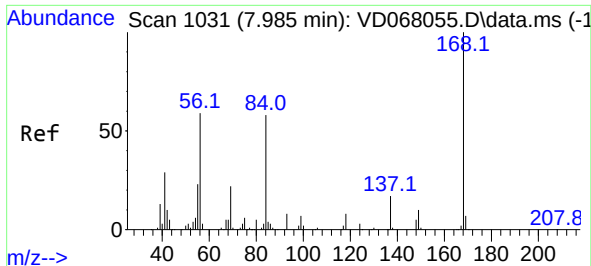
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011321\  
Data File : VD068069.D  
Acq On : 13 Jan 2021 14:18  
Operator : VA/SY  
Sample : M1069-02  
Misc : 6.04G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
FK-GF-02-065-A

Quant Time: Jan 13 15:26:38 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011221S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 13 03:57:57 2021  
Response via : Initial Calibration

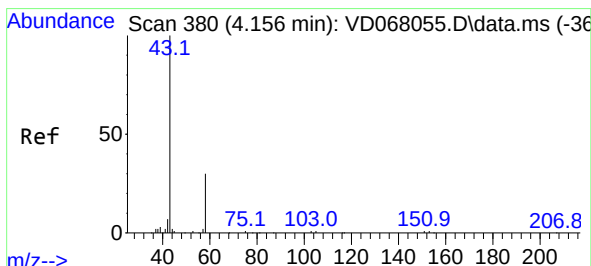
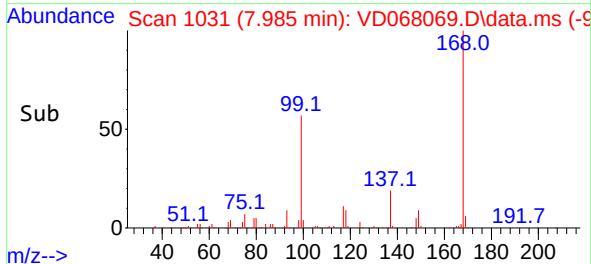
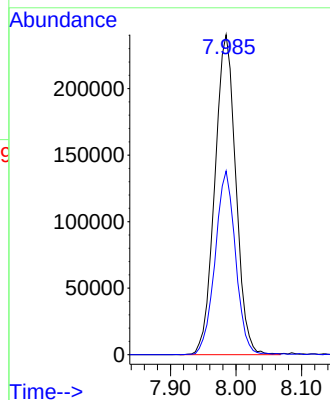
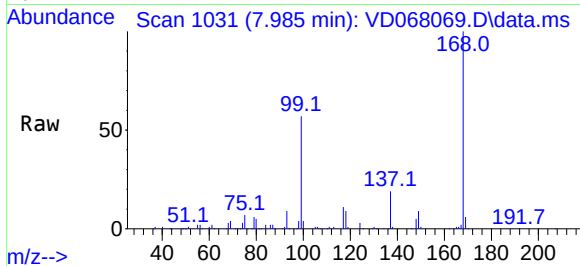




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068069.D  
Acq: 13 Jan 2021 14:18

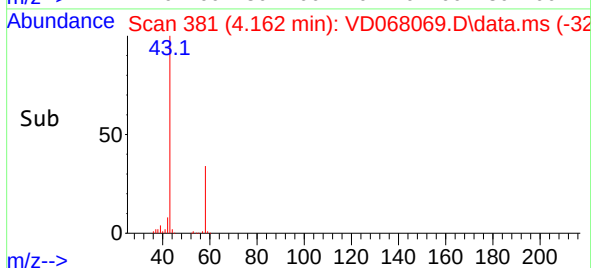
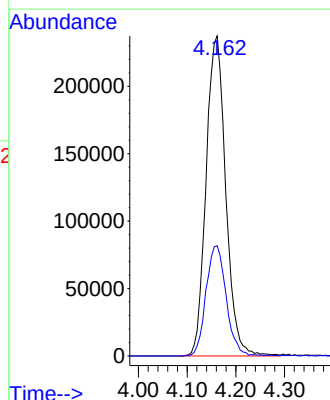
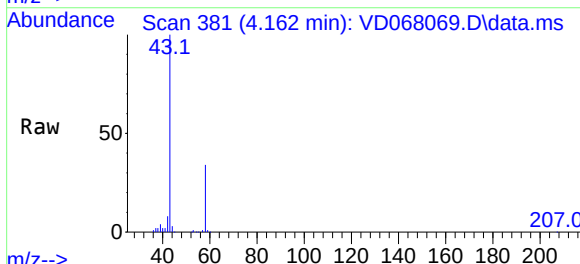
Instrument :  
MSVOA\_D  
ClientSampleId :  
FK-GF-02-065-A

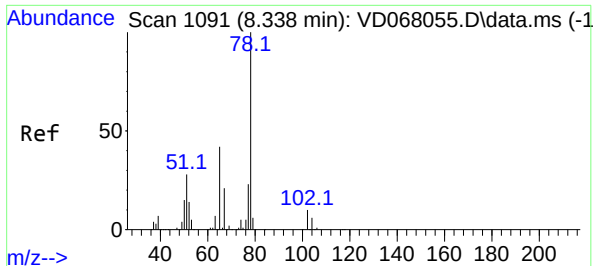
Tgt Ion:168 Resp: 533897  
Ion Ratio Lower Upper  
168 100  
99 57.4 43.5 65.3



#16  
Acetone  
Concen: 923.92 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD068069.D  
Acq: 13 Jan 2021 14:18

Tgt Ion: 43 Resp: 664750  
Ion Ratio Lower Upper  
43 100  
58 34.5 24.2 36.4

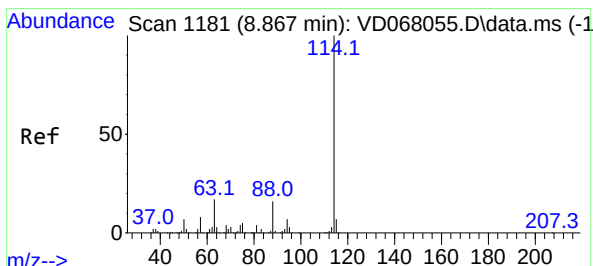
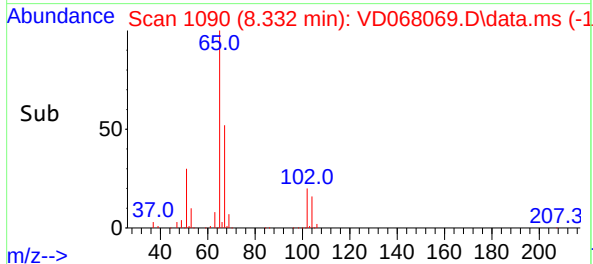
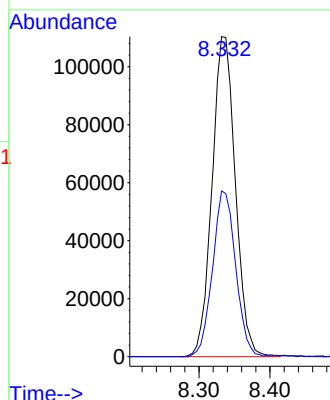
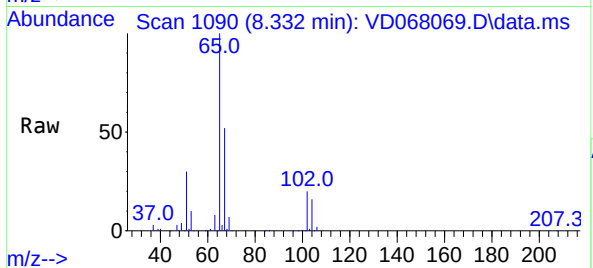




#33  
1,2-Dichloroethane-d4  
Concen: 55.39 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD068069.D  
Acq: 13 Jan 2021 14:18

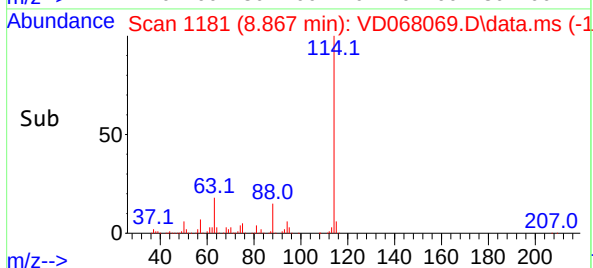
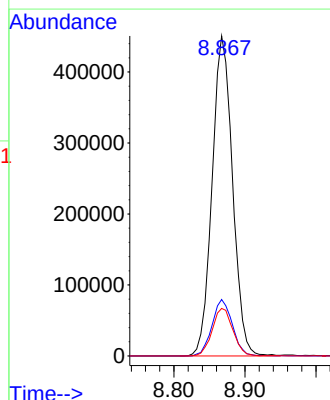
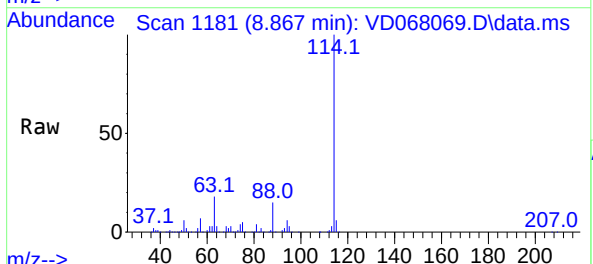
Instrument :  
MSVOA\_D  
ClientSampleId :  
FK-GF-02-065-A

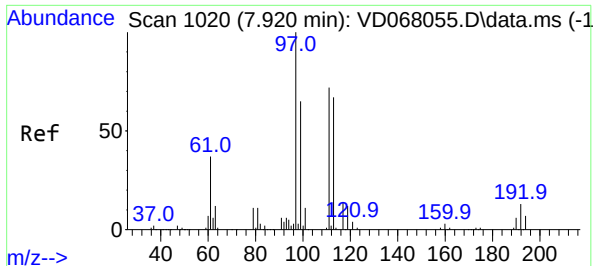
Tgt Ion: 65 Resp: 251442  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 105.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: VD068069.D  
Acq: 13 Jan 2021 14:18

Tgt Ion: 114 Resp: 900298  
Ion Ratio Lower Upper  
114 100  
63 17.7 0.0 34.8  
88 14.8 0.0 31.6

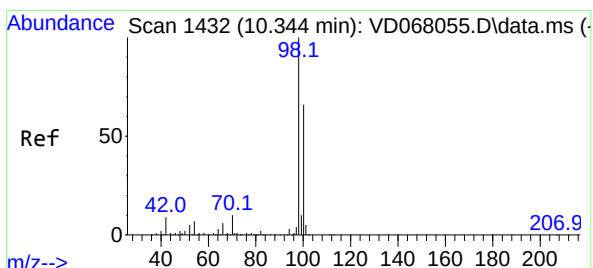
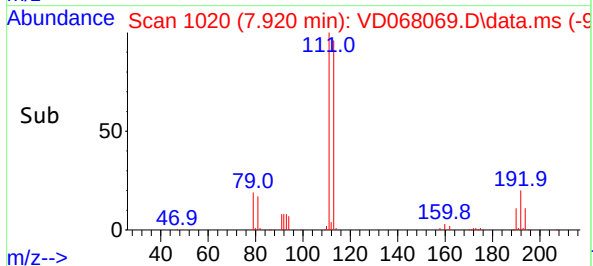
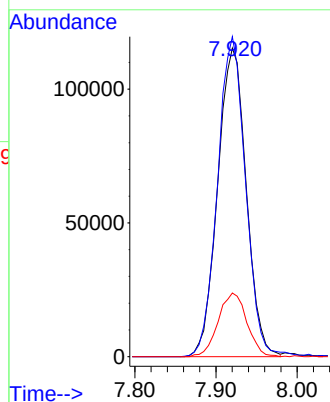
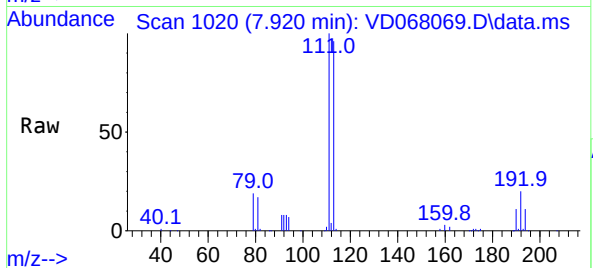




#35  
Dibromofluoromethane  
Concen: 54.99 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. -0.000 min  
Lab File: VD068069.D  
Acq: 13 Jan 2021 14:18

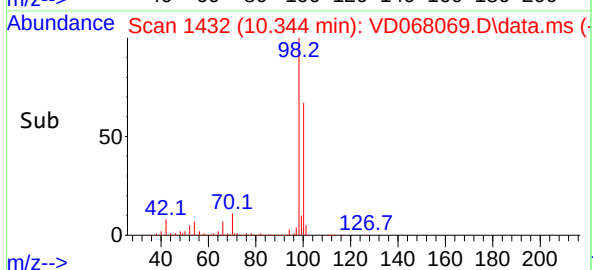
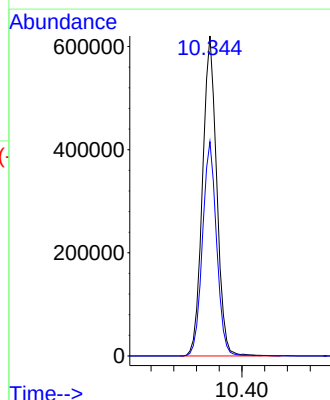
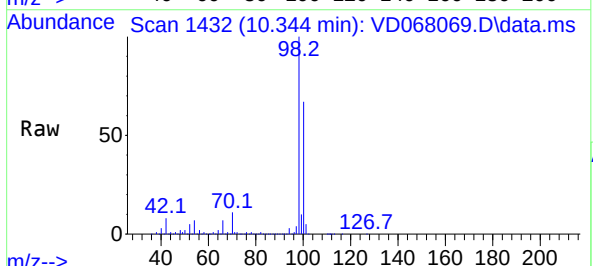
Instrument :  
MSVOA\_D  
ClientSampleId :  
FK-GF-02-065-A

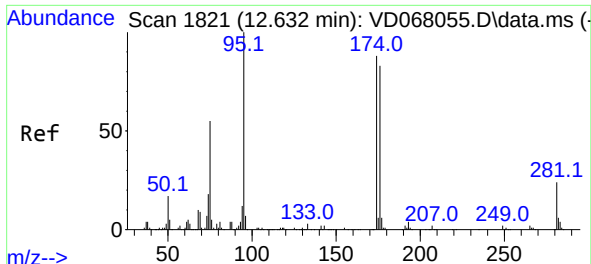
Tgt Ion:113 Resp: 282193  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.4 122.0  
192 20.7 16.1 24.1



#50  
Toluene-d8  
Concen: 56.95 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: VD068069.D  
Acq: 13 Jan 2021 14:18

Tgt Ion: 98 Resp: 1077192  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.0 79.4



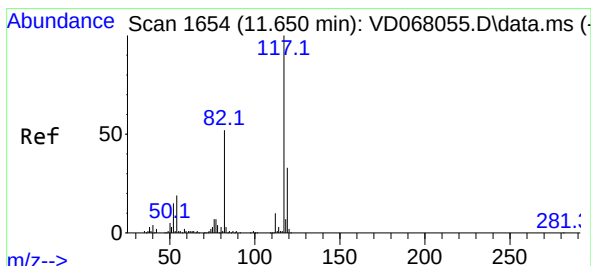
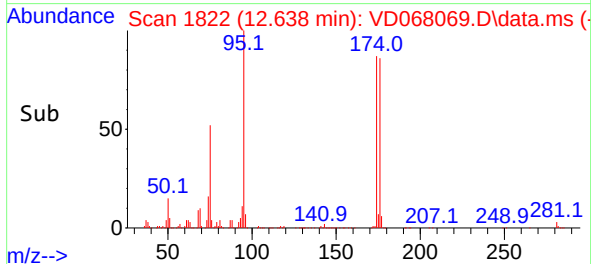
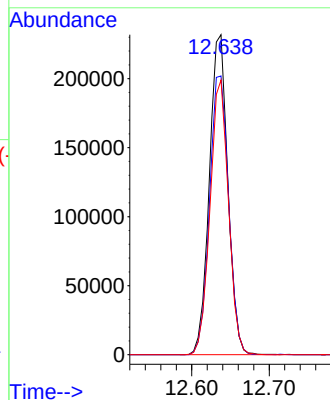
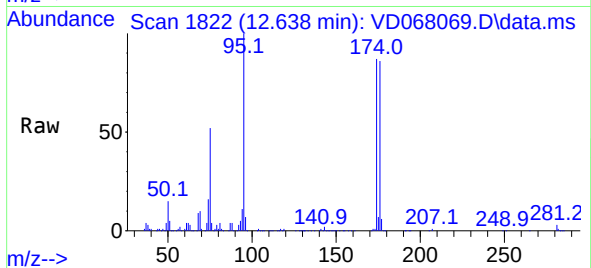


#62  
4-Bromofluorobenzene  
Concen: 58.09 ug/l  
RT: 12.638 min Scan# 1822  
Delta R.T. 0.006 min  
Lab File: VD068069.D  
Acq: 13 Jan 2021 14:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
FK-GF-02-065-A

Tgt Ion: 95 Resp: 384879

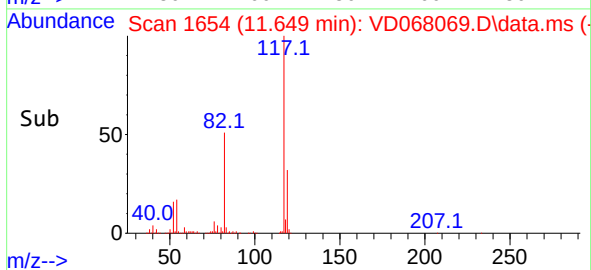
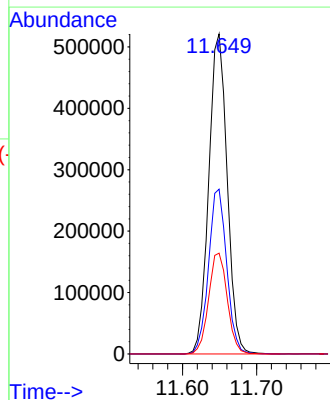
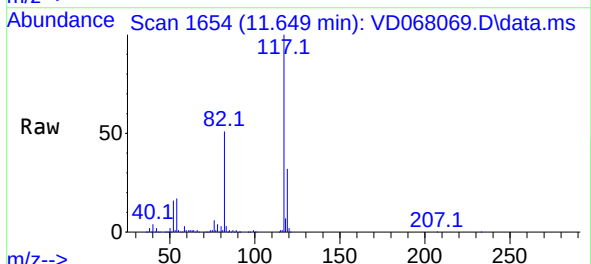
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 89.9  | 0.0   | 172.4 |
| 176 | 85.1  | 0.0   | 168.4 |

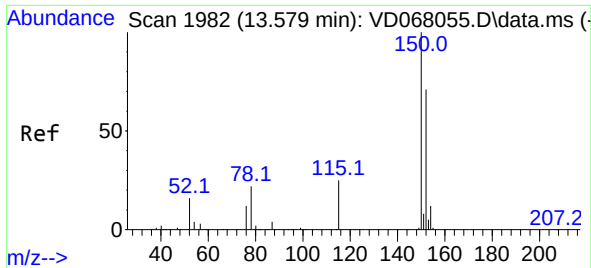


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.649 min Scan# 1654  
Delta R.T. -0.000 min  
Lab File: VD068069.D  
Acq: 13 Jan 2021 14:18

Tgt Ion: 117 Resp: 898526

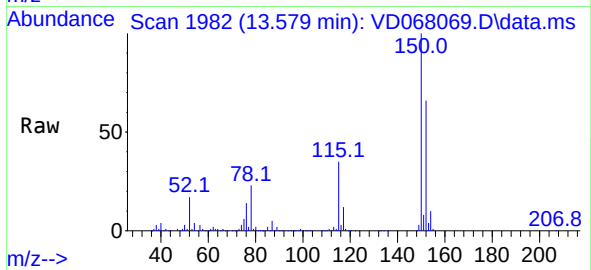
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 51.5  | 41.4  | 62.0  |
| 119 | 31.5  | 26.1  | 39.1  |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.579 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VD068069.D  
 Acq: 13 Jan 2021 14:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FK-GF-02-065-A



Tgt Ion:152 Resp: 432259

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 58.0  | 28.9  | 86.8  |
| 150 | 158.1 | 0.0   | 344.4 |

