

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD071921\  
 Data File : VD069745.D  
 Acq On : 19 Jul 2021 12:03  
 Operator : VA/SY  
 Sample : M3038-01  
 Misc : 5.06G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-06-5.5-6.0

Quant Time: Jul 20 02:10:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071321S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 14 06:00:31 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 3715     | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 6254     | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.637 | 117  | 6799     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.573 | 152  | 2541     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 3307     | 71.292   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 142.580% |
| 35) Dibromofluoromethane    | 7.920  | 113   | 2188     | 52.149   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.300% |
| 50) Toluene-d8              | 10.337 | 98    | 8890     | 54.539   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 109.080% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 2928     | 53.860   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 107.720% |

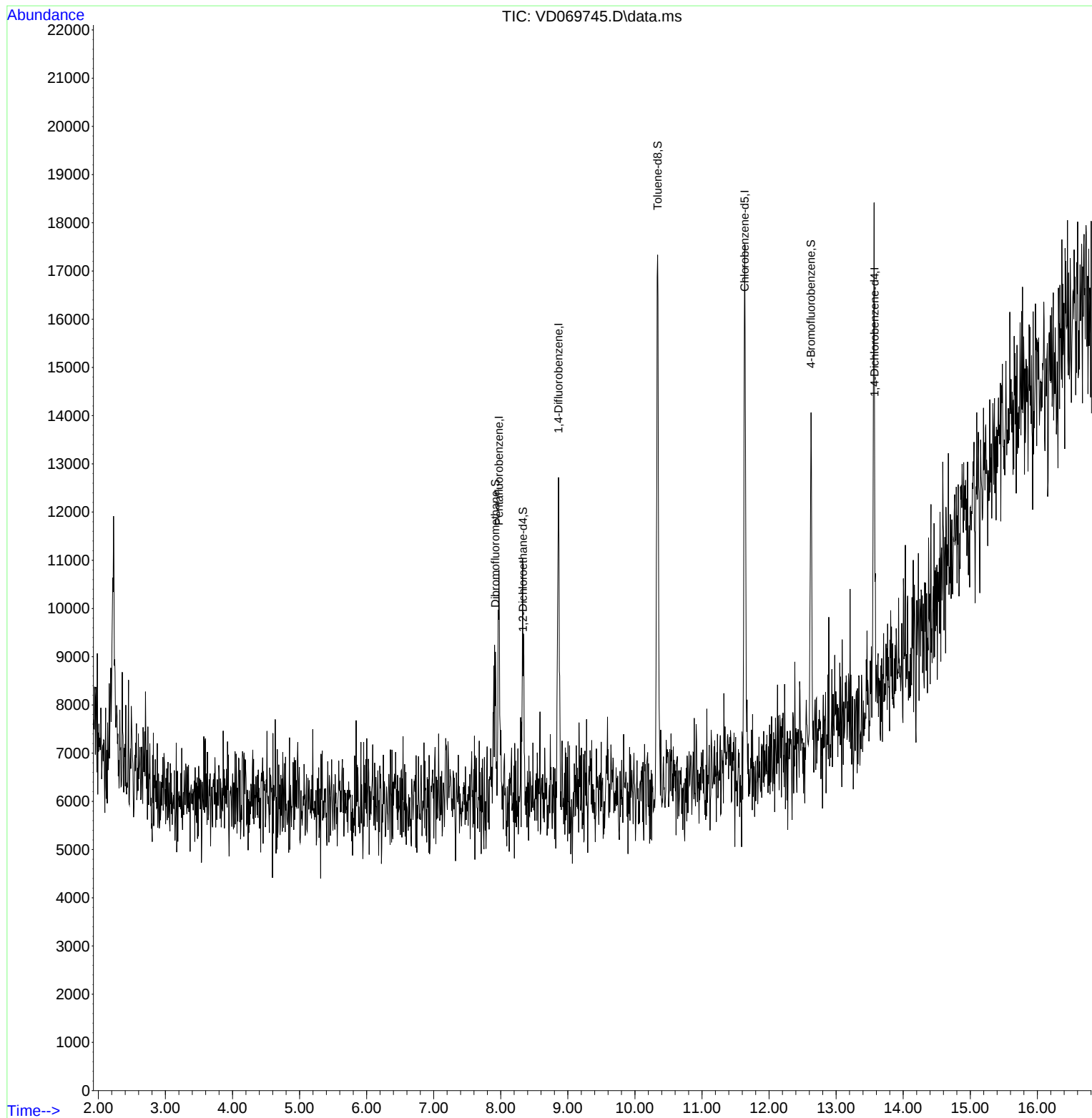
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

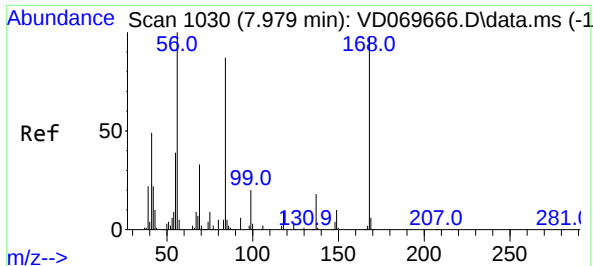
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M3038-01  
Misc : 5.06G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-06-5.5-6.0

Quant Time: Jul 20 02:10:53 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071321S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 14 06:00:31 2021  
Response via : Initial Calibration

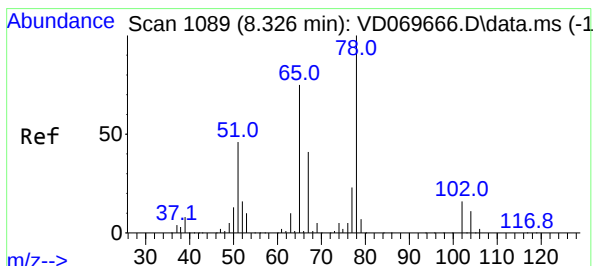
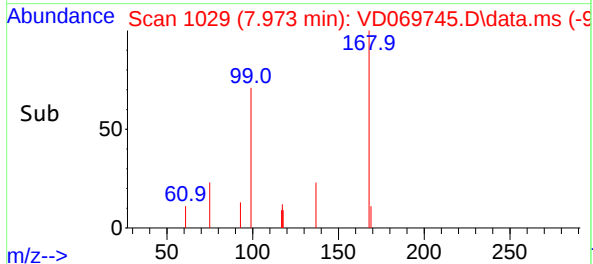
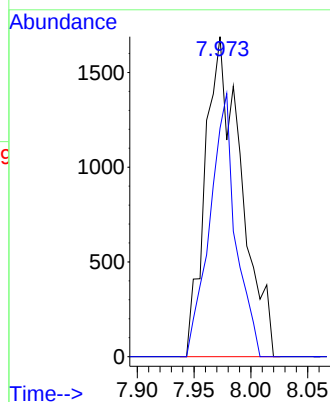
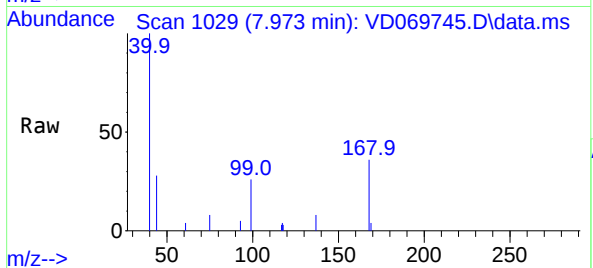




Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.973 min Scan# 1029  
 Delta R.T. -0.006 min  
 Lab File: VD069745.D  
 Acq: 19 Jul 2021 12:03

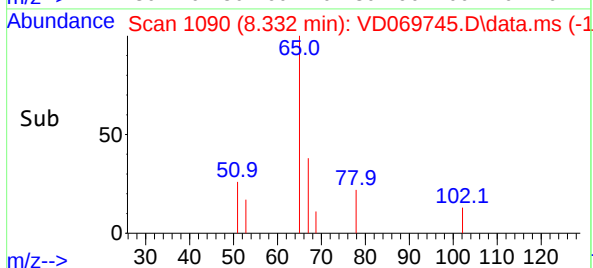
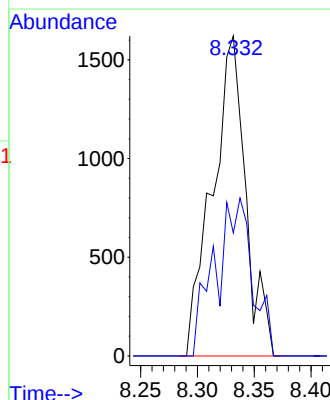
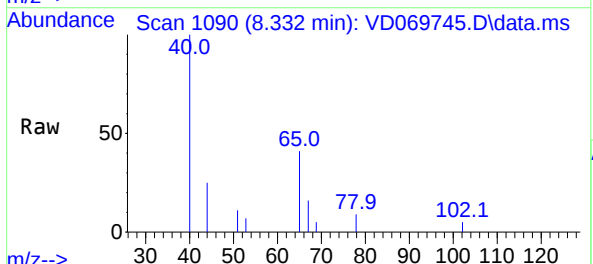
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-06-5.5-6.0

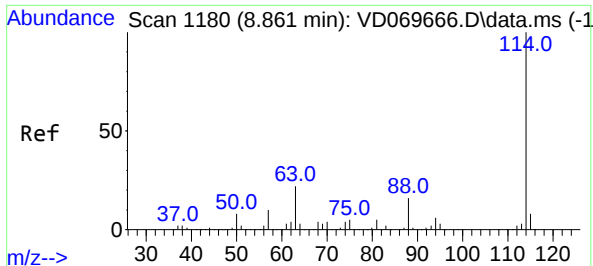
Tgt Ion:168 Resp: 3715  
 Ion Ratio Lower Upper  
 168 100  
 99 71.4 51.8 77.6



1,2-Dichloroethane-d4  
 Concen: 71.292 ug/l  
 RT: 8.332 min Scan# 1090  
 Delta R.T. 0.006 min  
 Lab File: VD069745.D  
 Acq: 19 Jul 2021 12:03

Tgt Ion: 65 Resp: 3307  
 Ion Ratio Lower Upper  
 65 100  
 67 55.1 0.0 107.2



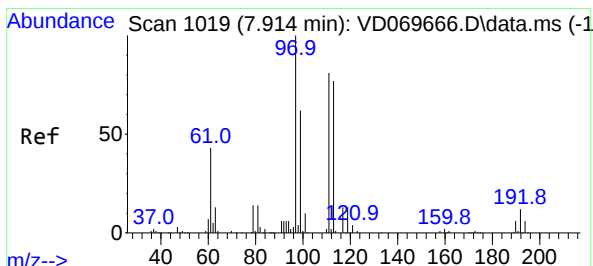
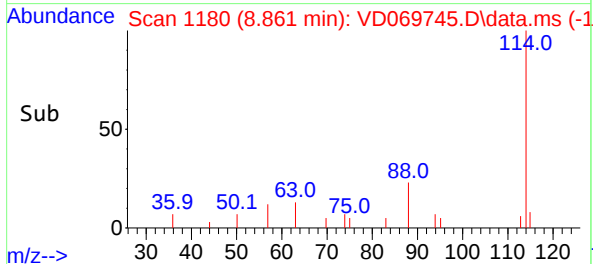
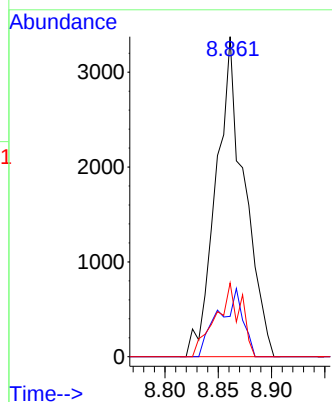
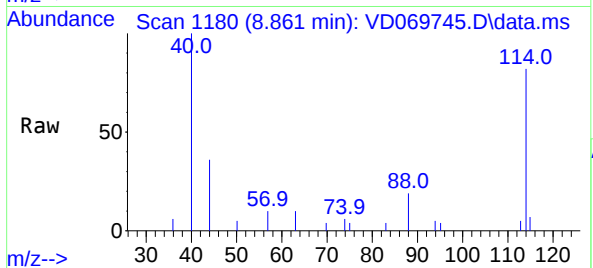


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD069745.D  
Acq: 19 Jul 2021 12:03

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-06-5.5-6.0

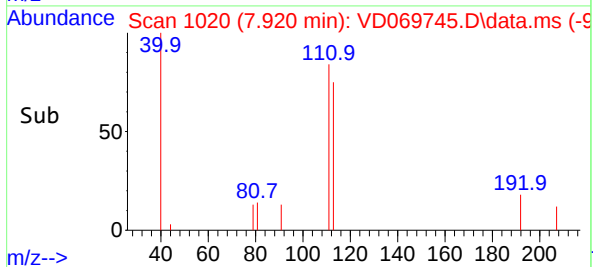
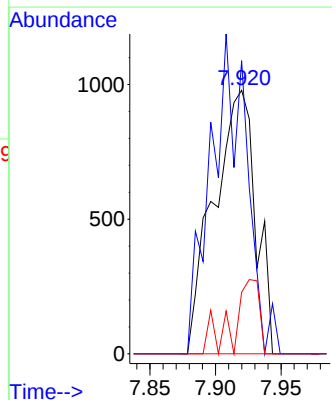
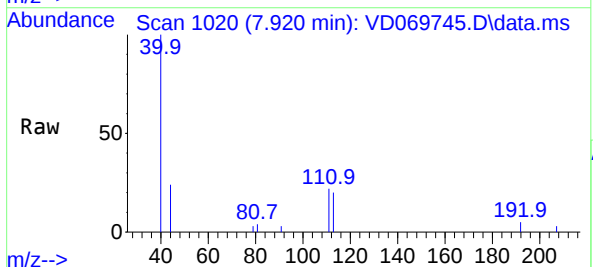
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 6254     |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 12.6  | 0.0 43.4 |
| 88          | 23.1  | 0.0 32.0 |

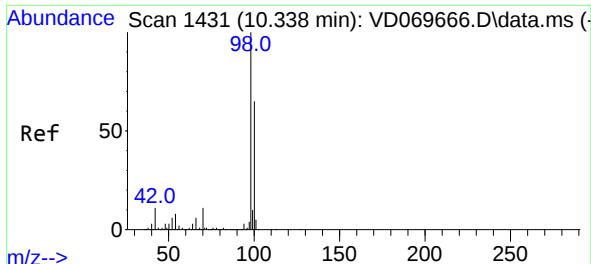


#35

Dibromofluoromethane  
Concen: 52.149 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.006 min  
Lab File: VD069745.D  
Acq: 19 Jul 2021 12:03

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 2188       |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 103.1 | 82.6 123.8 |
| 192         | 15.1  | 12.7 19.1  |

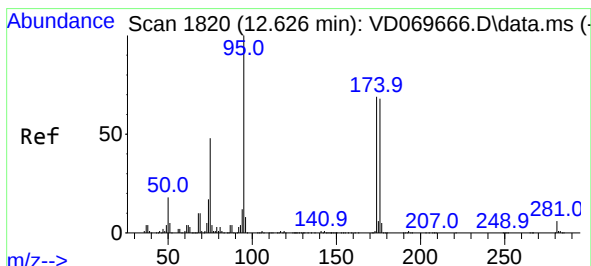
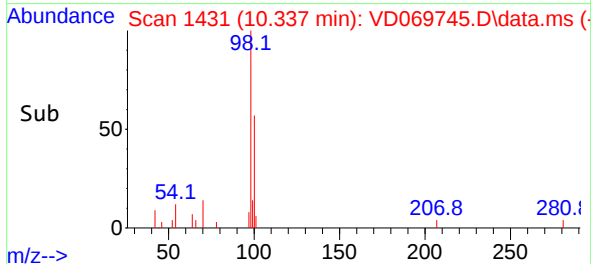
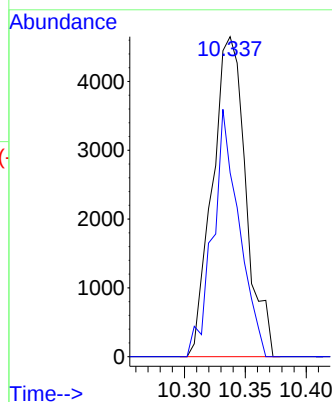
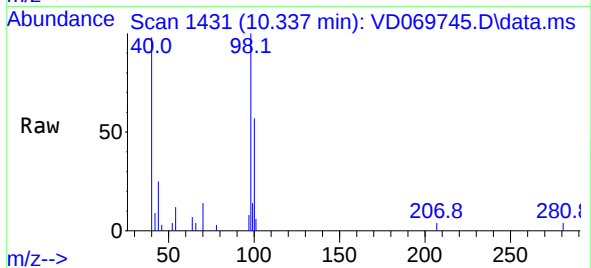




#50  
Toluene-d8  
Concen: 54.539 ug/l  
RT: 10.337 min Scan# 1431  
Delta R.T. -0.001 min  
Lab File: VD069745.D  
Acq: 19 Jul 2021 12:03

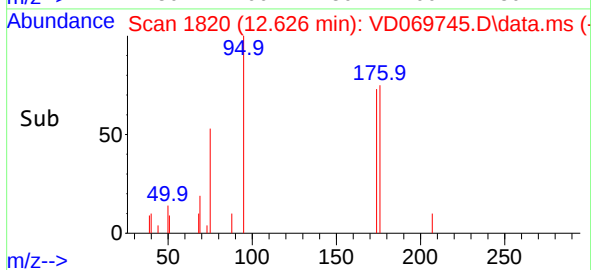
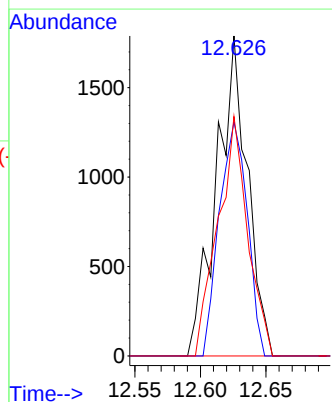
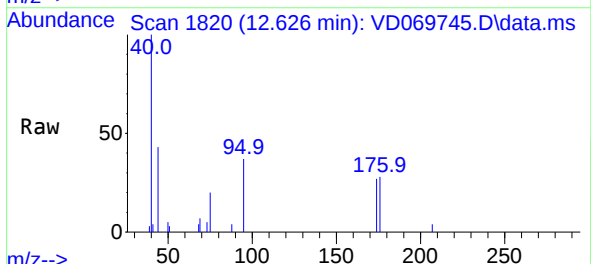
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-06-5.5-6.0

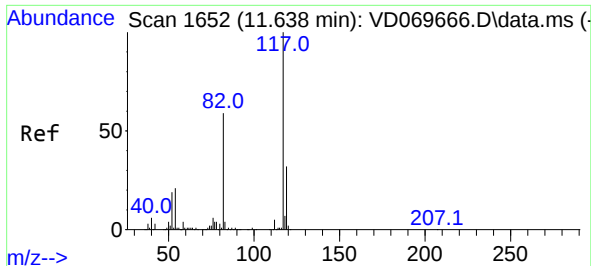
Tgt Ion: 98 Resp: 8890  
Ion Ratio Lower Upper  
98 100  
100 60.6 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 53.860 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD069745.D  
Acq: 19 Jul 2021 12:03

Tgt Ion: 95 Resp: 2928  
Ion Ratio Lower Upper  
95 100  
174 66.1 0.0 140.0  
176 72.2 0.0 136.2

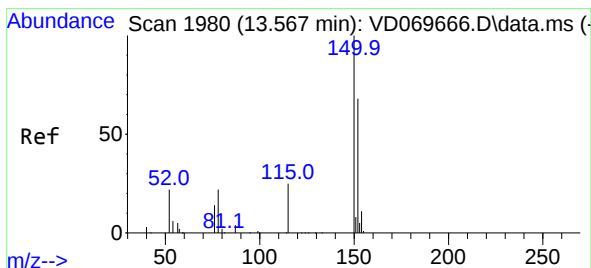
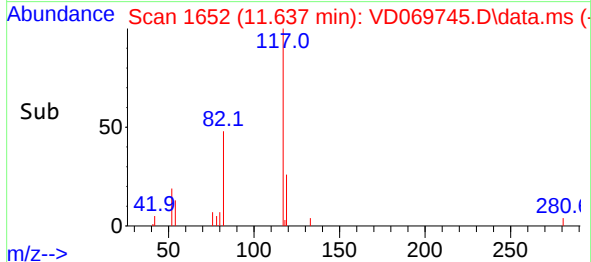
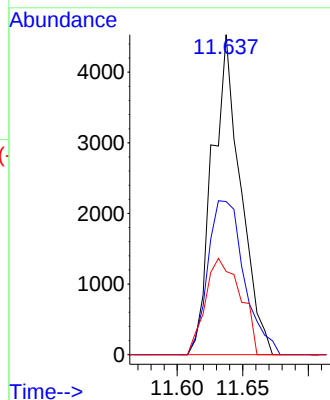
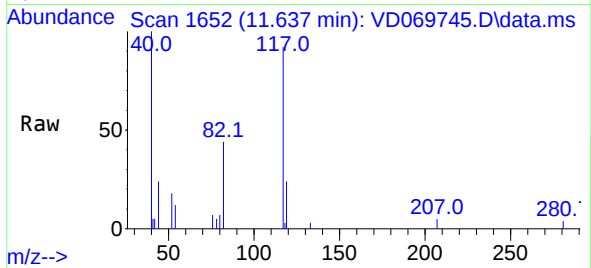




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 1652  
Delta R.T. -0.001 min  
Lab File: VD069745.D  
Acq: 19 Jul 2021 12:03

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-06-5.5-6.0

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 6799  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 47.8  | 47.4  | 71.2  |
| 119      | 26.0  | 25.5  | 38.3  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.006 min  
Lab File: VD069745.D  
Acq: 19 Jul 2021 12:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 2541  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 60.2  | 31.7  | 95.1  |
| 150      | 135.2 | 0.0   | 350.4 |

