

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012121\  
 Data File : VD068143.D  
 Acq On : 21 Jan 2021 19:57  
 Operator : VA/SY  
 Sample : M1207-02  
 Misc : 5.87G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FK-SF-03-010-A

Quant Time: Jan 22 00:12:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 19 13:19:08 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.985  | 168  | 553647   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.867  | 114  | 954338   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.649 | 117  | 840142   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.573 | 152  | 350761   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 276869   | 52.28    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 104.56% |
| 35) Dibromofluoromethane    | 7.920  | 113   | 273605   | 51.86    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.72% |
| 50) Toluene-d8              | 10.344 | 98    | 1166512  | 55.27    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 110.54% |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 372363   | 48.99    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 97.98%  |

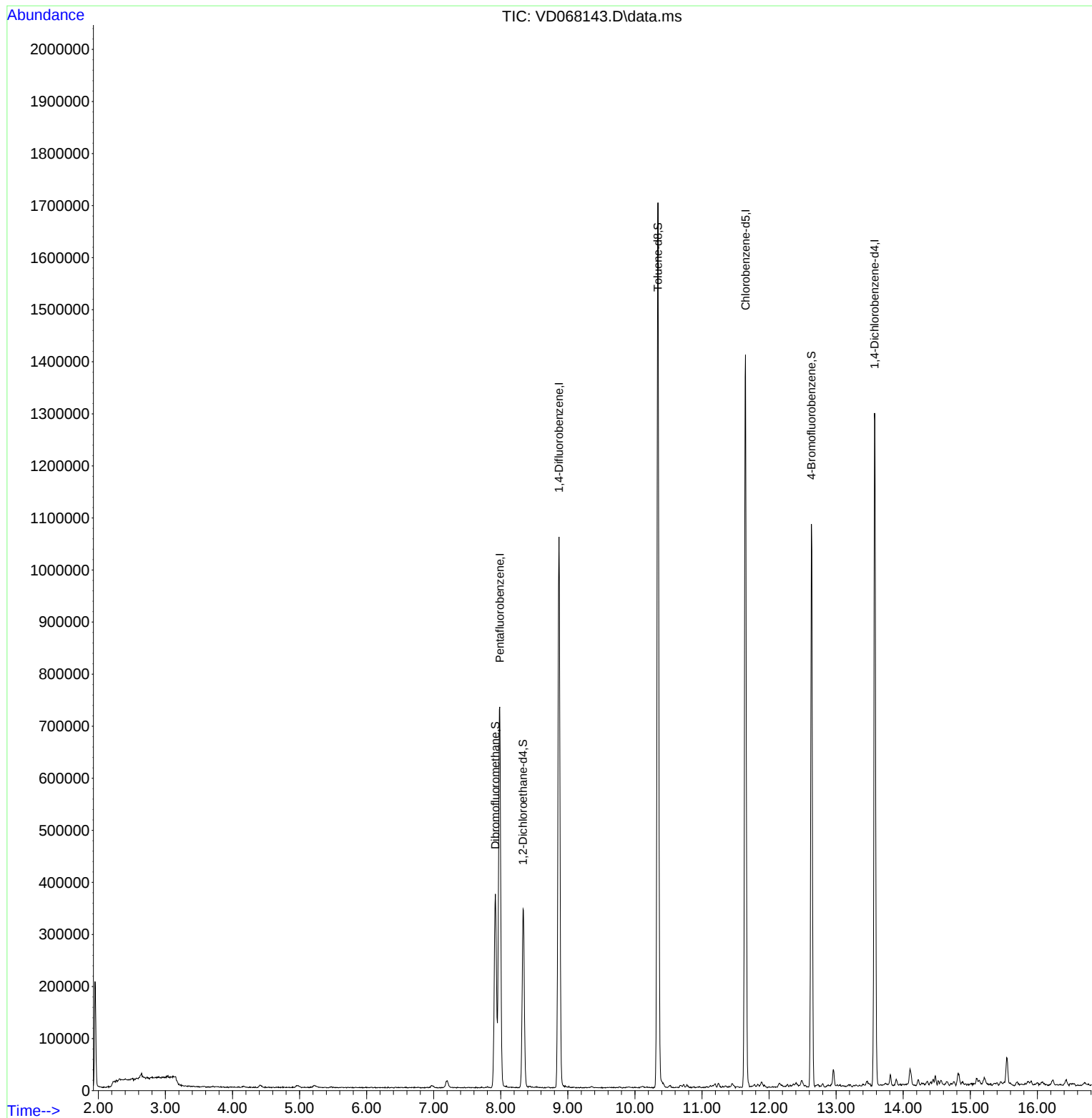
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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MSVOA\_D  
ClientSampleId :  
FK-SF-03-010-A

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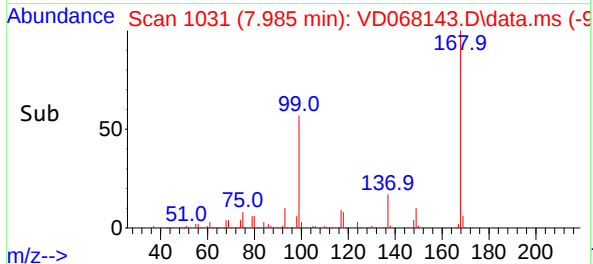
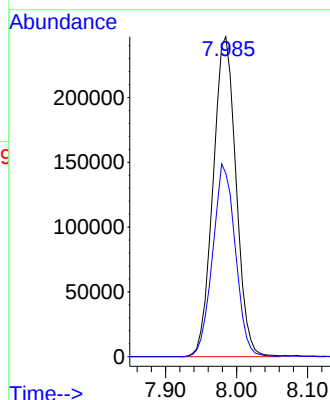
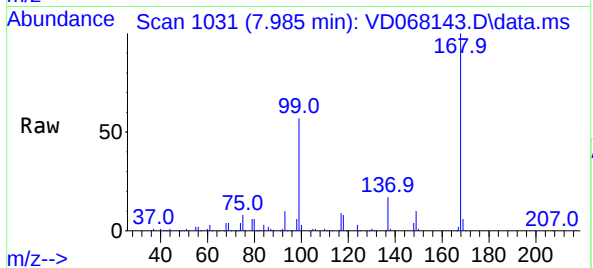




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068143.D  
Acq: 21 Jan 2021 19:57

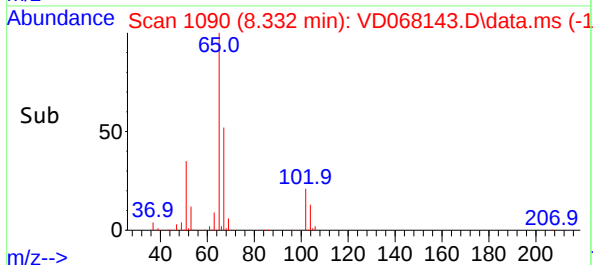
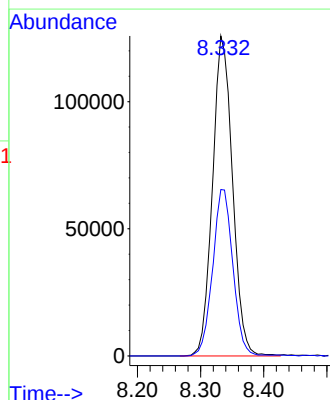
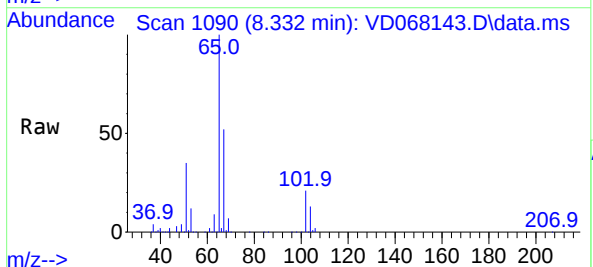
Instrument :  
MSVOA\_D  
ClientSampleId :  
FK-SF-03-010-A

Tgt Ion:168 Resp: 553647  
Ion Ratio Lower Upper  
168 100  
99 57.3 43.5 65.3



#33  
1,2-Dichloroethane-d4  
Concen: 52.28 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD068143.D  
Acq: 21 Jan 2021 19:57

Tgt Ion: 65 Resp: 276869  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 105.0



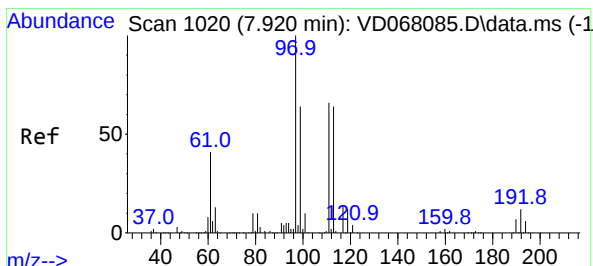
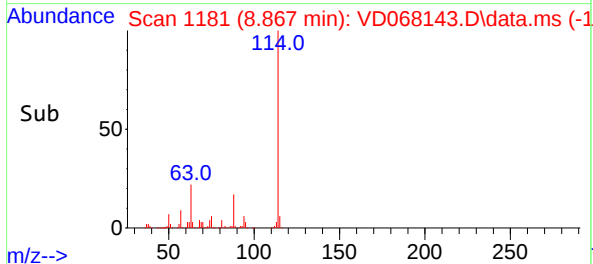
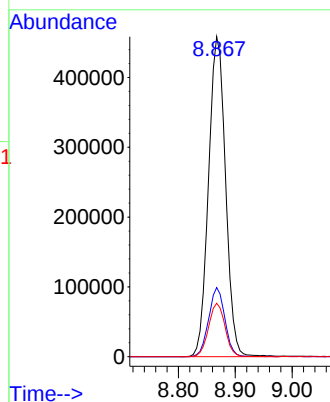
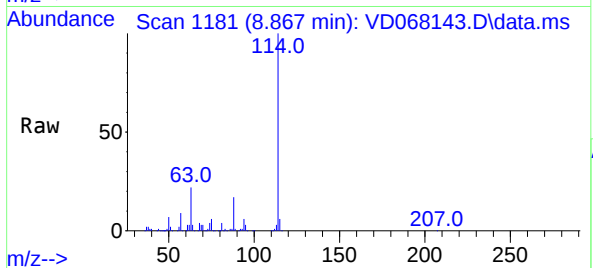


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068143.D  
Acq: 21 Jan 2021 19:57

Instrument :  
MSVOA\_D  
ClientSampleId :  
FK-SF-03-010-A

Tgt Ion:114 Resp: 954338

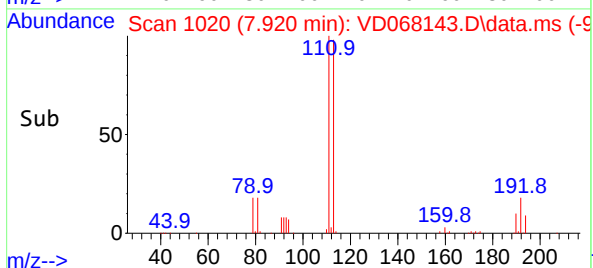
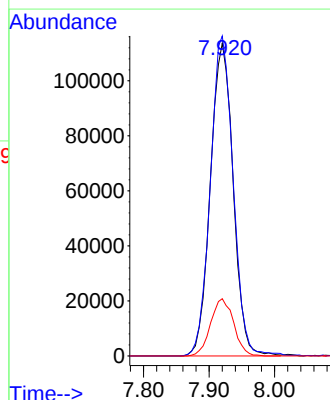
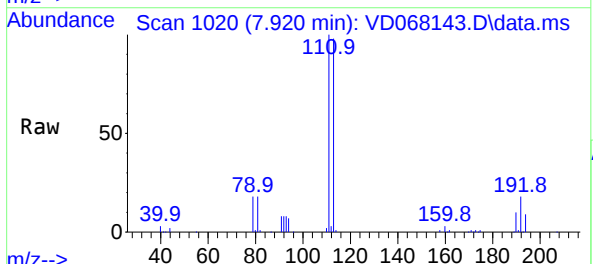
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 21.6  | 0.0   | 34.8  |
| 88  | 16.7  | 0.0   | 31.6  |

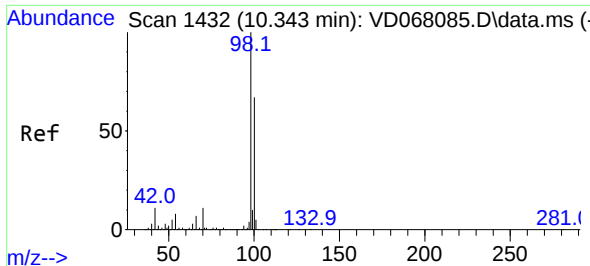


#35  
Dibromofluoromethane  
Concen: 51.86 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068143.D  
Acq: 21 Jan 2021 19:57

Tgt Ion:113 Resp: 273605

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.6 | 81.4  | 122.0 |
| 192 | 18.5  | 16.1  | 24.1  |

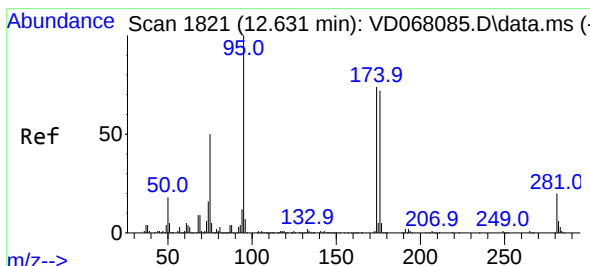
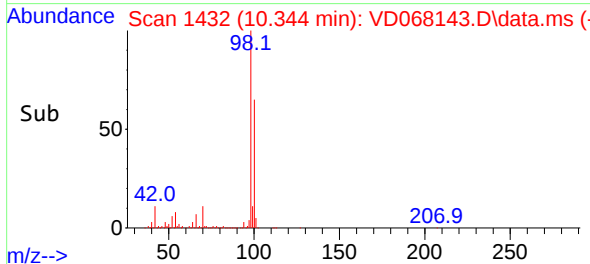
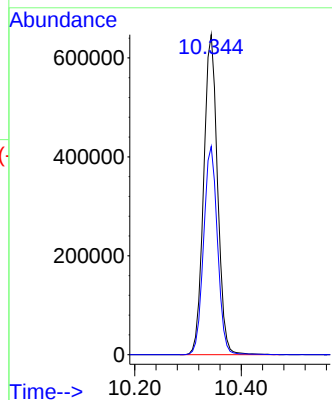
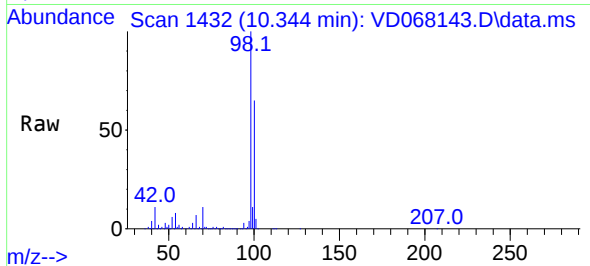




#50  
Toluene-d8  
Concen: 55.27 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068143.D  
Acq: 21 Jan 2021 19:57

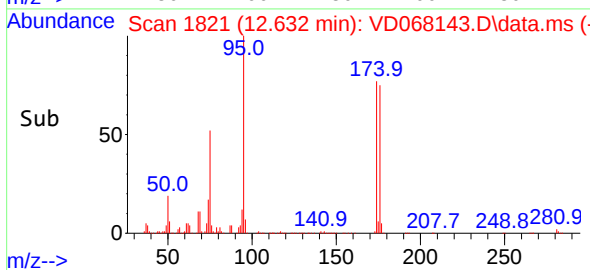
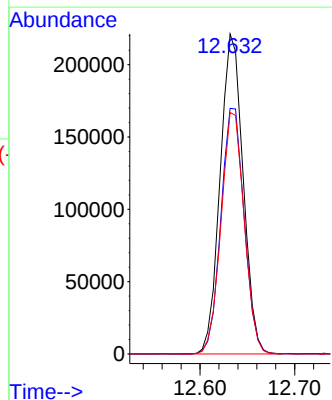
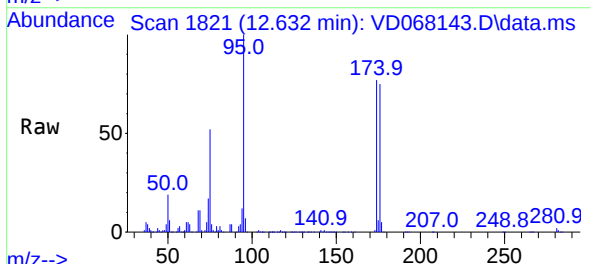
Instrument :  
MSVOA\_D  
ClientSampleId :  
FK-SF-03-010-A

Tgt Ion: 98 Resp: 1166512  
Ion Ratio Lower Upper  
98 100  
100 65.2 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 48.99 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068143.D  
Acq: 21 Jan 2021 19:57

Tgt Ion: 95 Resp: 372363  
Ion Ratio Lower Upper  
95 100  
174 78.0 0.0 172.4  
176 76.1 0.0 168.4

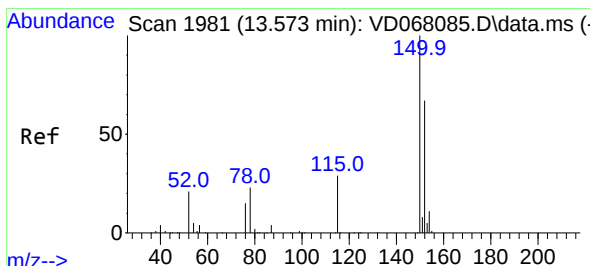
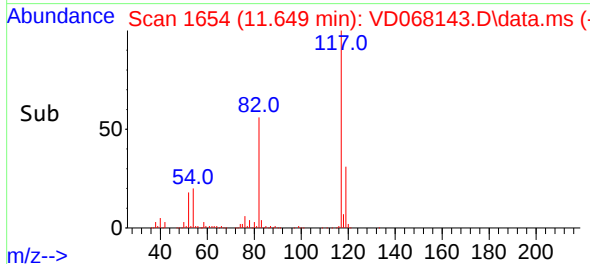
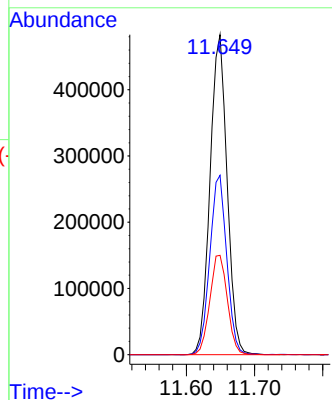
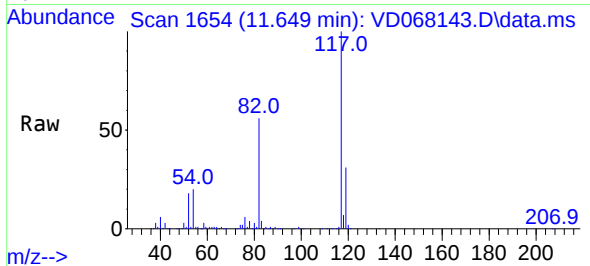




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.649 min Scan# 1654  
Delta R.T. 0.000 min  
Lab File: VD068143.D  
Acq: 21 Jan 2021 19:57

Instrument :  
MSVOA\_D  
ClientSampleId :  
FK-SF-03-010-A

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 840142 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.0  | 41.4  | 62.0   |
| 119      | 31.0  | 26.1  | 39.1   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: VD068143.D  
Acq: 21 Jan 2021 19:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 350761 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 60.0  | 28.9  | 86.8   |
| 150      | 159.0 | 0.0   | 344.4  |

