

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031121\  
 Data File : VD068579.D  
 Acq On : 11 Mar 2021 10:46  
 Operator : VA/SY  
 Sample : VD0311SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0311SBL01

Quant Time: Mar 12 00:09:37 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 26 14:04:14 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 363201   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.867  | 114  | 650840   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.644 | 117  | 626197   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.573 | 152  | 289707   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 184420   | 50.82    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 101.64% |
| 35) Dibromofluoromethane    | 7.920  | 113   | 199561   | 50.90    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.80% |
| 50) Toluene-d8              | 10.344 | 98    | 816190   | 52.26    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 104.52% |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 274747   | 54.59    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 109.18% |

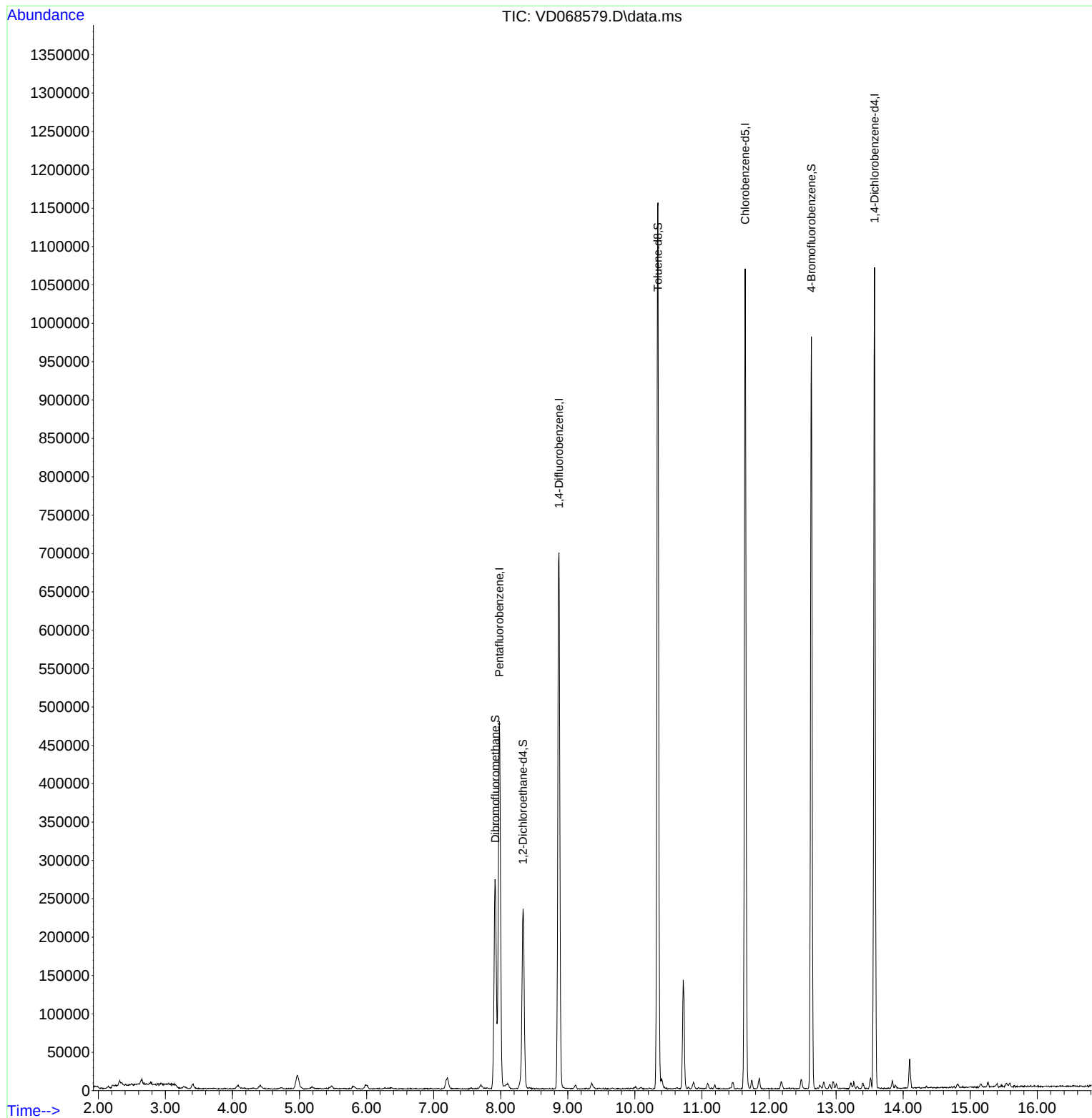
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

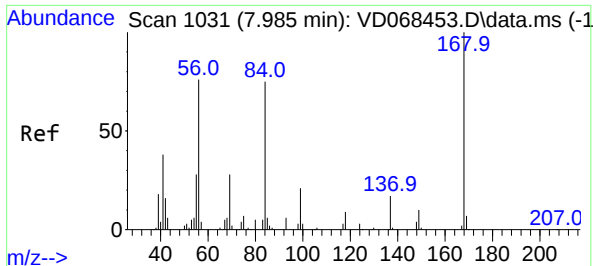
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBL01

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 26 14:04:14 2021  
Response via : Initial Calibration

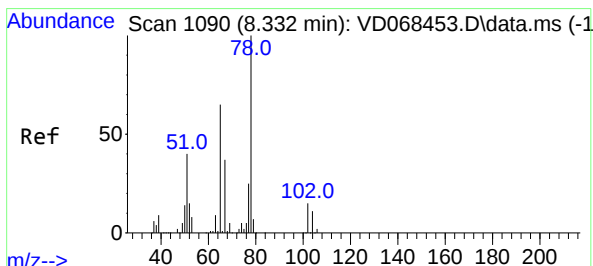
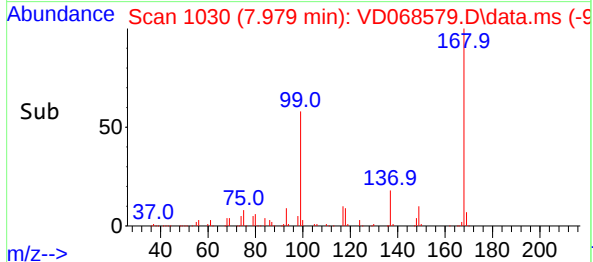
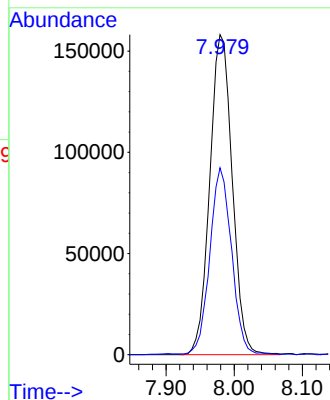
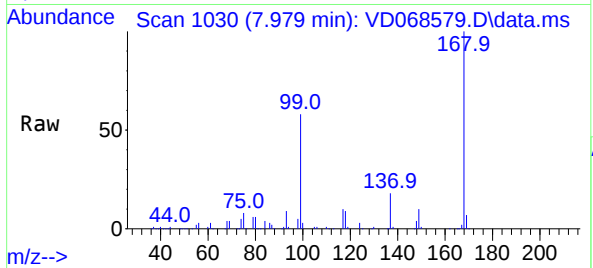




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD068579.D  
Acq: 11 Mar 2021 10:46

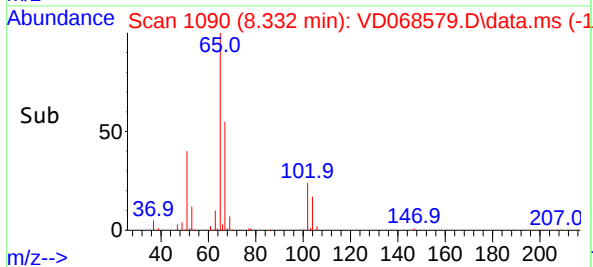
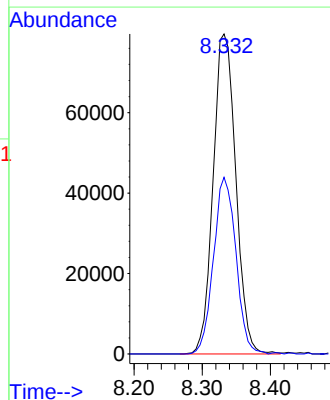
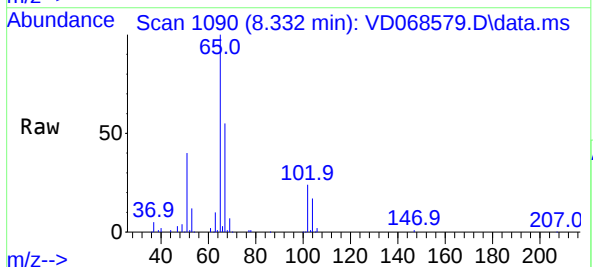
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBL01

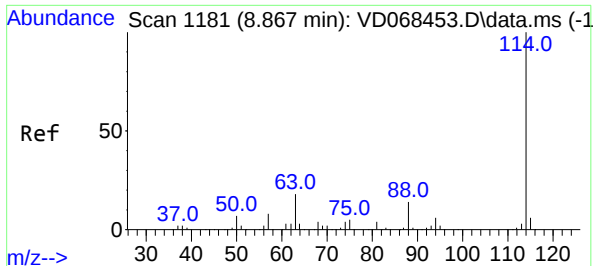
Tgt Ion:168 Resp: 363201  
Ion Ratio Lower Upper  
168 100  
99 58.3 43.5 65.3



#33  
1,2-Dichloroethane-d4  
Concen: 50.82 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD068579.D  
Acq: 11 Mar 2021 10:46

Tgt Ion: 65 Resp: 184420  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 105.0



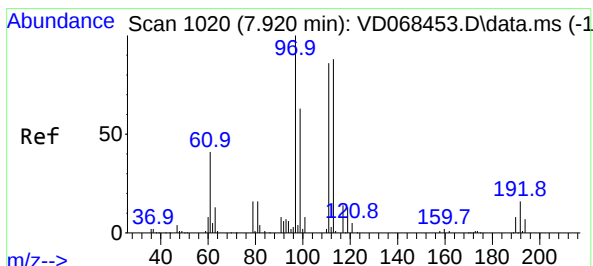
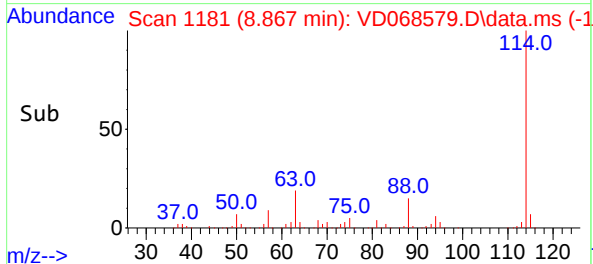
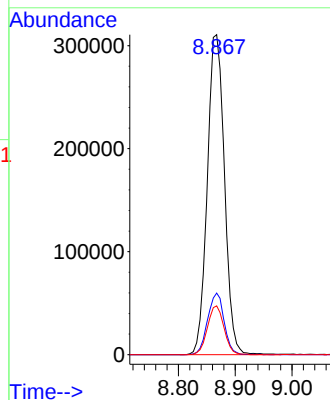
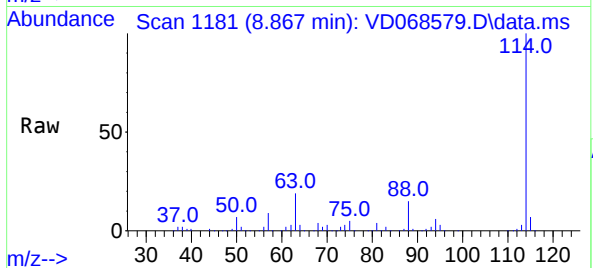


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068579.D  
Acq: 11 Mar 2021 10:46

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBL01

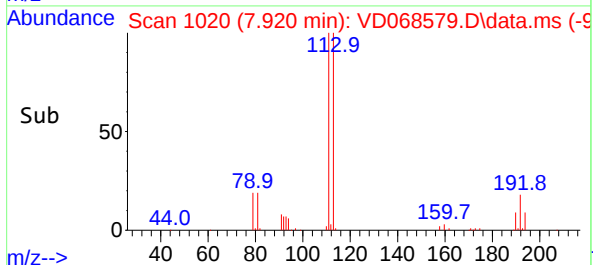
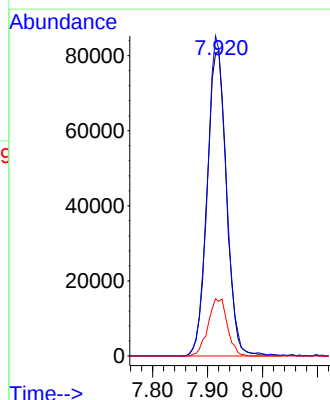
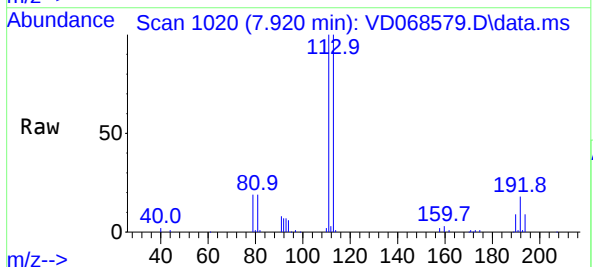
Tgt Ion:114 Resp: 650840  
Ion Ratio Lower Upper  
114 100  
63 19.3 0.0 34.8  
88 15.2 0.0 31.6

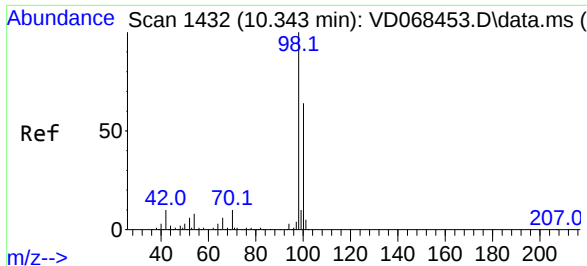


#35

Dibromofluoromethane  
Concen: 50.90 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068579.D  
Acq: 11 Mar 2021 10:46

Tgt Ion:113 Resp: 199561  
Ion Ratio Lower Upper  
113 100  
111 100.9 81.4 122.0  
192 18.6 16.1 24.1

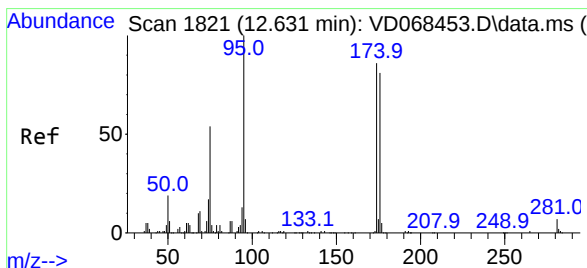
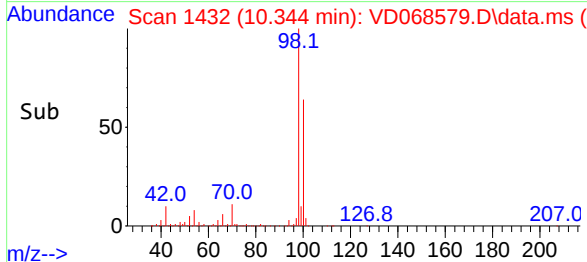
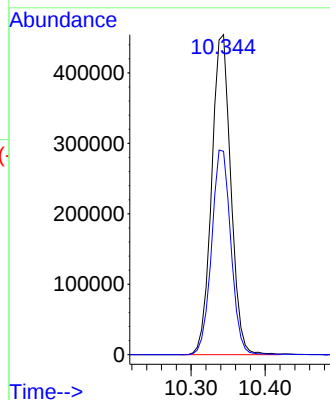
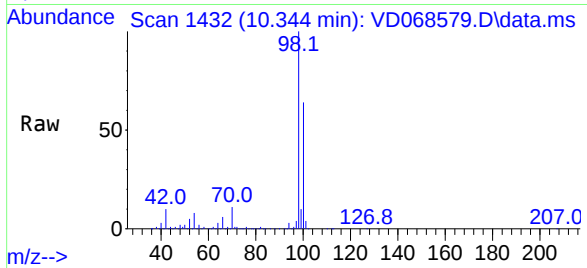




#50  
Toluene-d8  
Concen: 52.26 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068579.D  
Acq: 11 Mar 2021 10:46

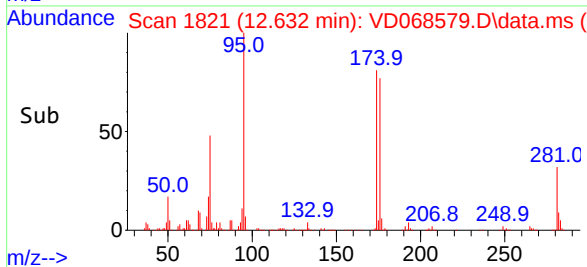
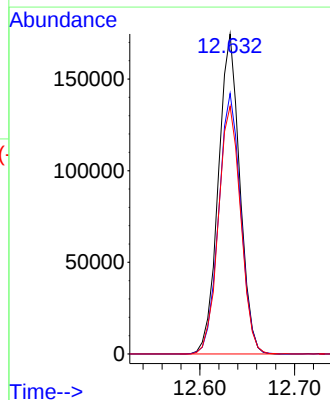
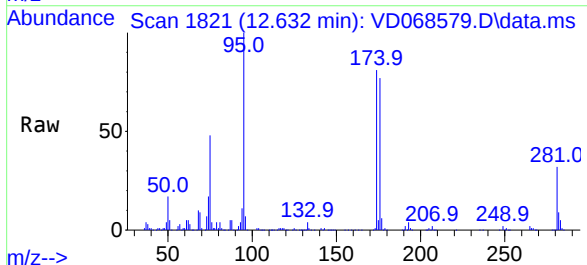
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBL01

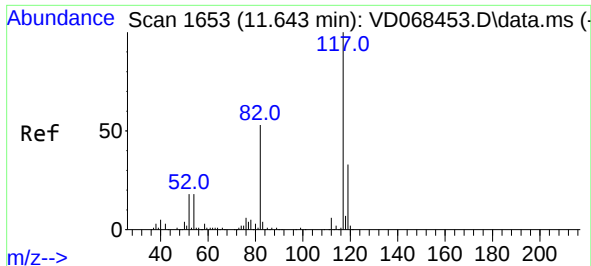
Tgt Ion: 98 Resp: 816190  
Ion Ratio Lower Upper  
98 100  
100 64.2 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 54.59 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068579.D  
Acq: 11 Mar 2021 10:46

Tgt Ion: 95 Resp: 274747  
Ion Ratio Lower Upper  
95 100  
174 83.5 0.0 172.4  
176 80.4 0.0 168.4

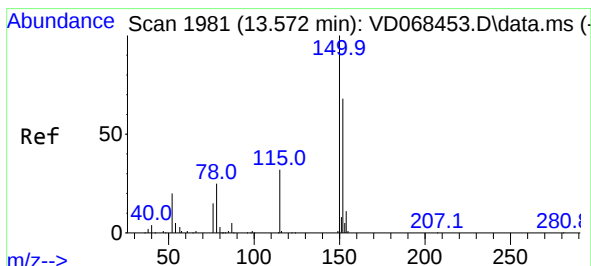
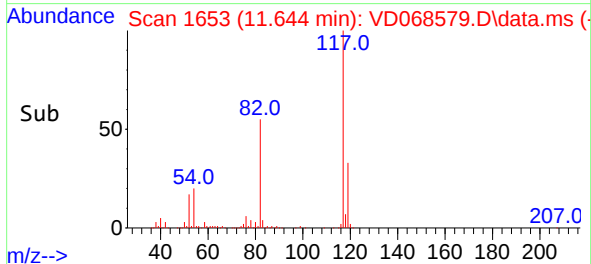
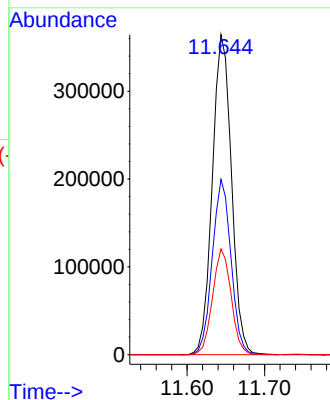
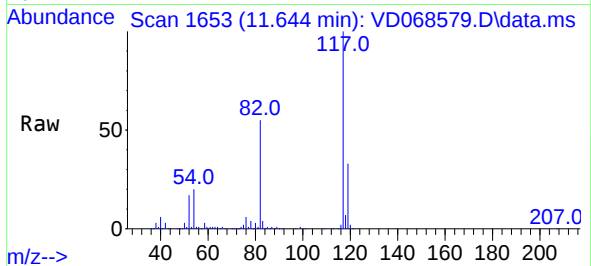




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD068579.D  
Acq: 11 Mar 2021 10:46

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBL01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 626197 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 54.8  | 41.4  | 62.0   |
| 119      | 33.1  | 26.1  | 39.1   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.001 min  
Lab File: VD068579.D  
Acq: 11 Mar 2021 10:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 289707 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 57.5  | 28.9  | 86.8   |
| 150      | 156.8 | 0.0   | 344.4  |

