

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021721\  
 Data File : VD068384.D  
 Acq On : 17 Feb 2021 15:46  
 Operator : VA/SY  
 Sample : M1439-01  
 Misc : 6.03G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP-142-150

Quant Time: Feb 18 00:13:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 12 13:30:51 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.985  | 168  | 383890   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.867  | 114  | 748423   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.643 | 117  | 690755   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.573 | 152  | 272452   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 239231   | 60.96    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 121.92% |
| 35) Dibromofluoromethane    | 7.920  | 113   | 231484   | 52.11    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.22% |
| 50) Toluene-d8              | 10.343 | 98    | 965581   | 52.44    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 104.88% |
| 62) 4-Bromofluorobenzene    | 12.631 | 95    | 293423   | 48.92    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 97.84%  |

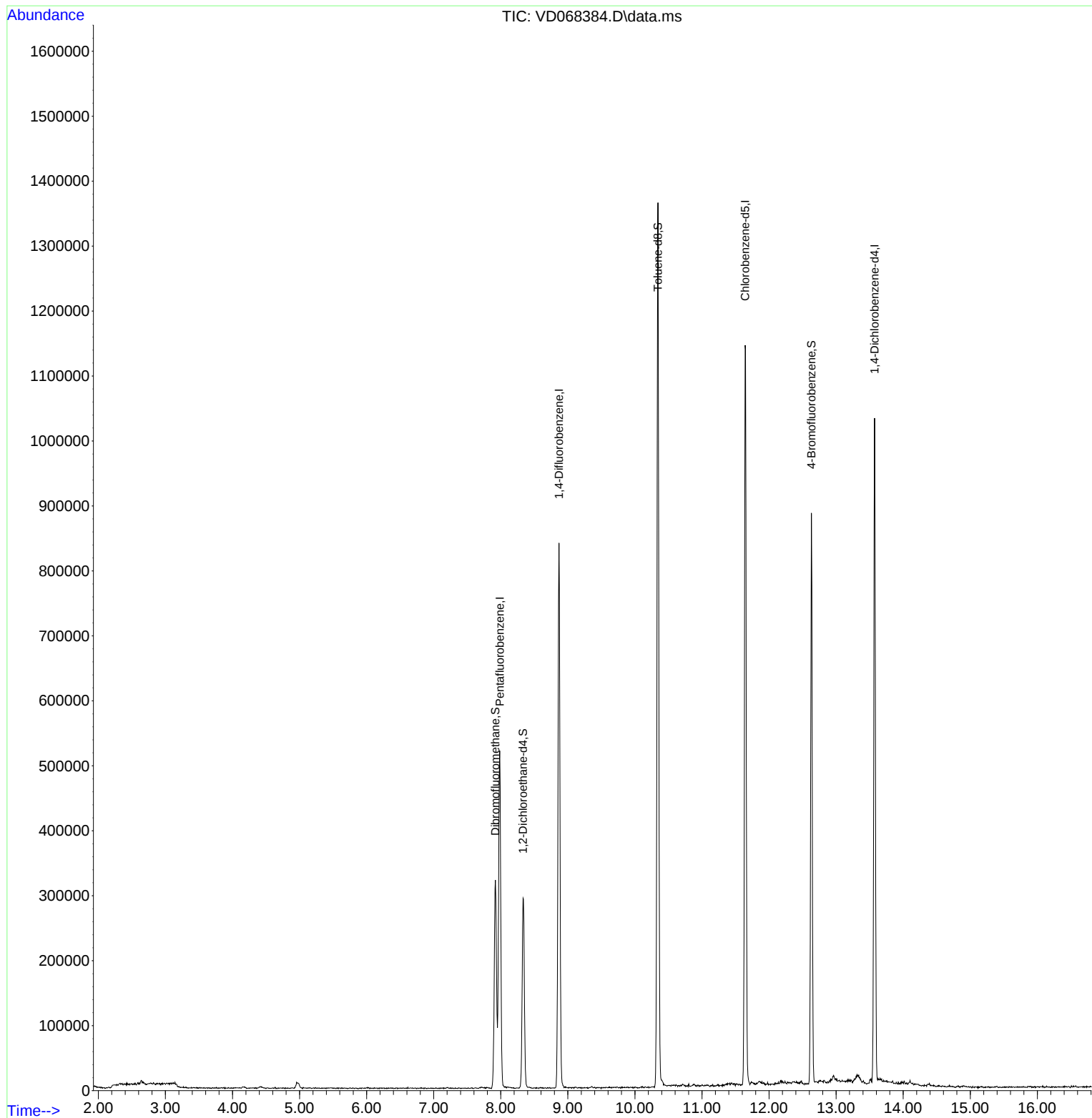
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

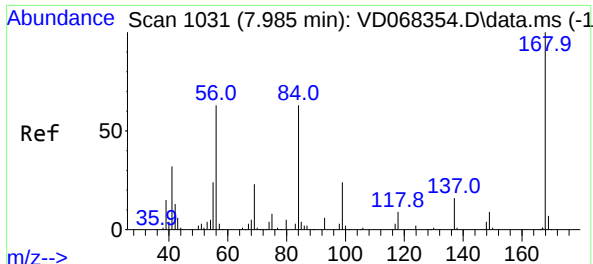
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
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SP-142-150

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 12 13:30:51 2021  
Response via : Initial Calibration

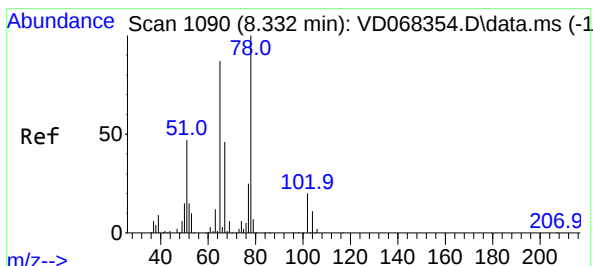
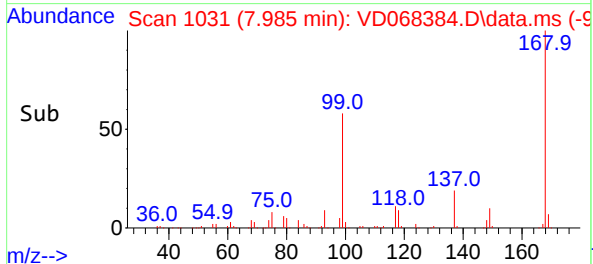
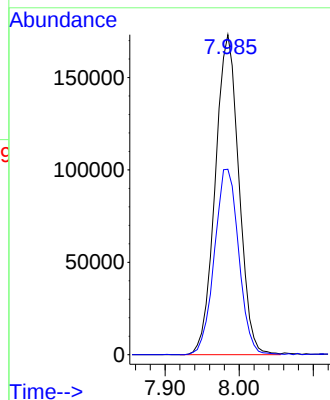
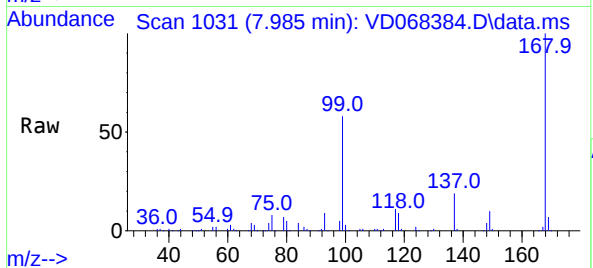




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068384.D  
Acq: 17 Feb 2021 15:46

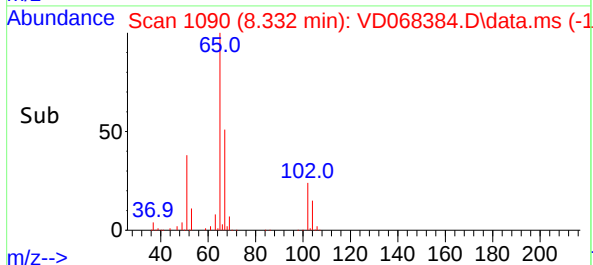
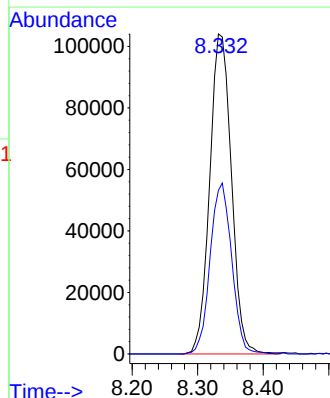
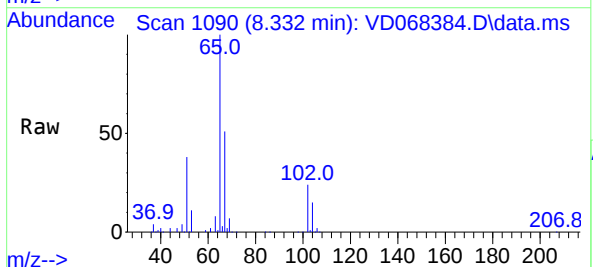
Instrument :  
MSVOA\_D  
ClientSampleID :  
SP-142-150

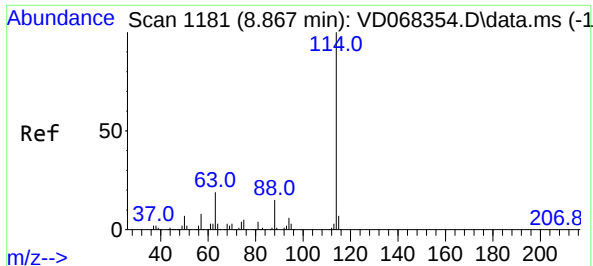
Tgt Ion:168 Resp: 383890  
Ion Ratio Lower Upper  
168 100  
99 57.9 43.5 65.3



#33  
1,2-Dichloroethane-d4  
Concen: 60.96 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD068384.D  
Acq: 17 Feb 2021 15:46

Tgt Ion: 65 Resp: 239231  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 105.0





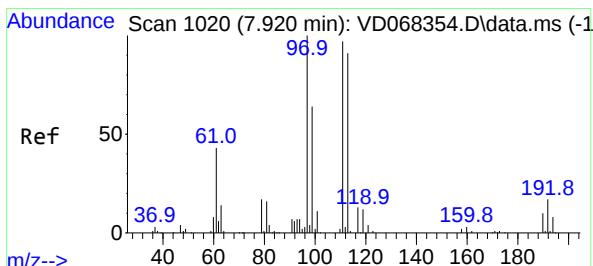
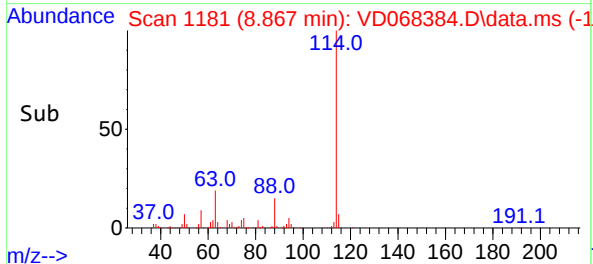
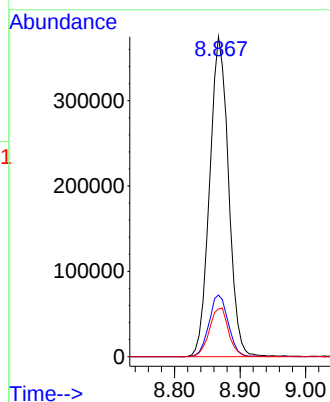
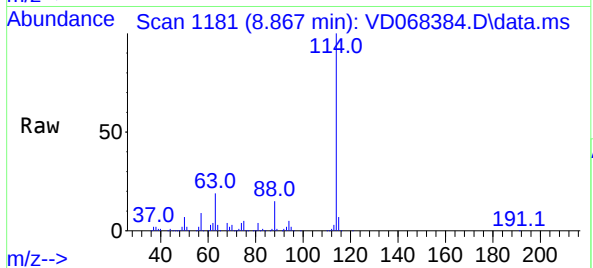
#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: VD068384.D  
Acq: 17 Feb 2021 15:46

Instrument :  
MSVOA\_D  
ClientSampleId :  
SP-142-150

Tgt Ion:114 Resp: 748423

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.3  | 0.0   | 34.8  |
| 88  | 14.9  | 0.0   | 31.6  |

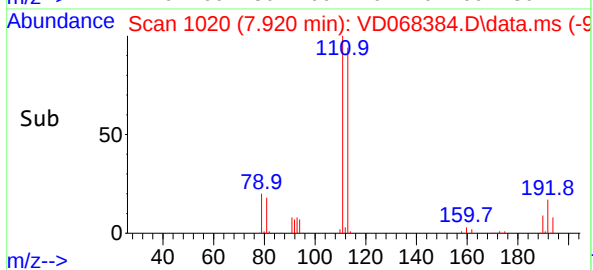
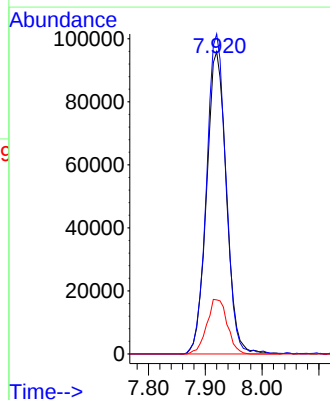
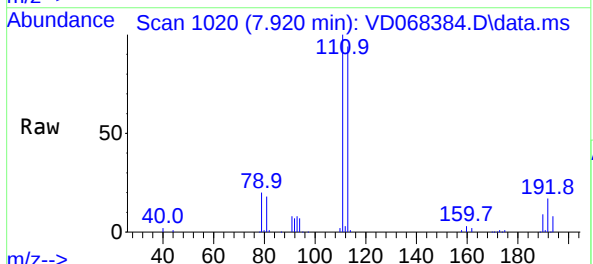


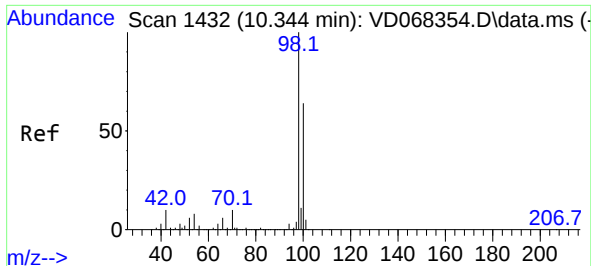
#35

Dibromofluoromethane  
Concen: 52.11 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. -0.000 min  
Lab File: VD068384.D  
Acq: 17 Feb 2021 15:46

Tgt Ion:113 Resp: 231484

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 104.0 | 81.4  | 122.0 |
| 192 | 18.7  | 16.1  | 24.1  |

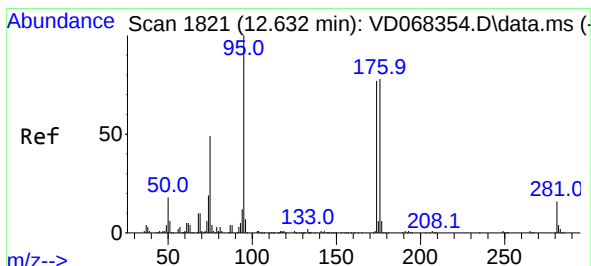
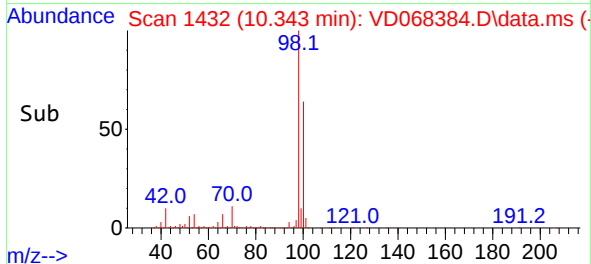
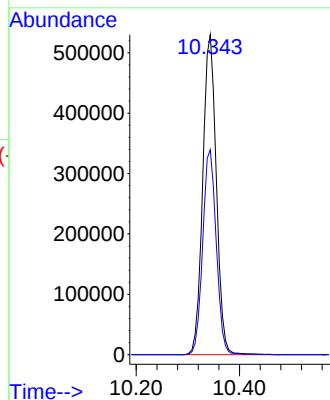
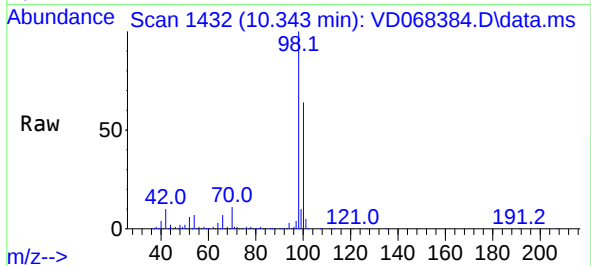




#50  
Toluene-d8  
Concen: 52.44 ug/l  
RT: 10.343 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: VD068384.D  
Acq: 17 Feb 2021 15:46

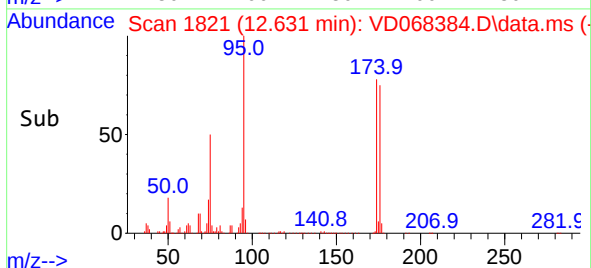
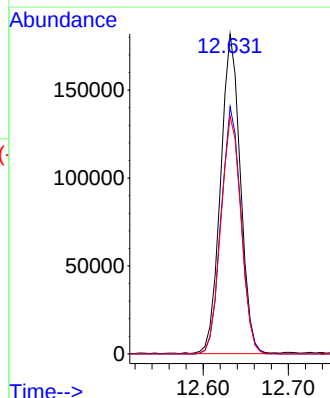
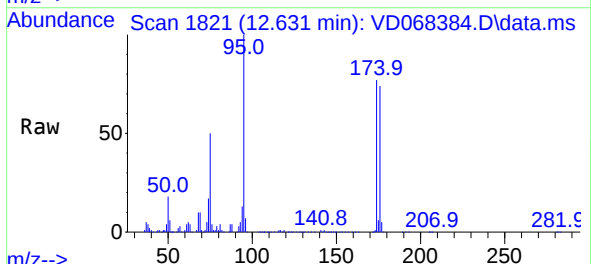
Instrument :  
MSVOA\_D  
ClientSampleId :  
SP-142-150

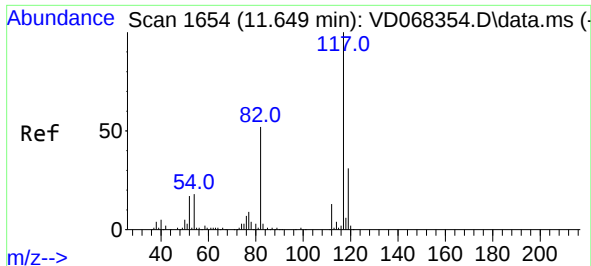
Tgt Ion: 98 Resp: 965581  
Ion Ratio Lower Upper  
98 100  
100 64.0 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 48.92 ug/l  
RT: 12.631 min Scan# 1821  
Delta R.T. -0.000 min  
Lab File: VD068384.D  
Acq: 17 Feb 2021 15:46

Tgt Ion: 95 Resp: 293423  
Ion Ratio Lower Upper  
95 100  
174 78.0 0.0 172.4  
176 75.8 0.0 168.4

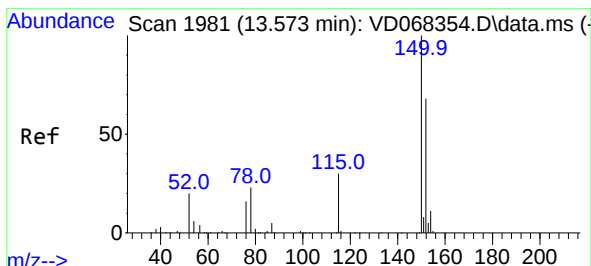
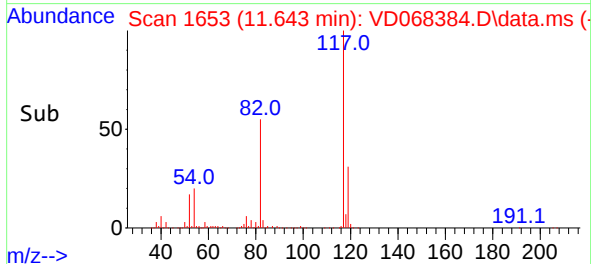
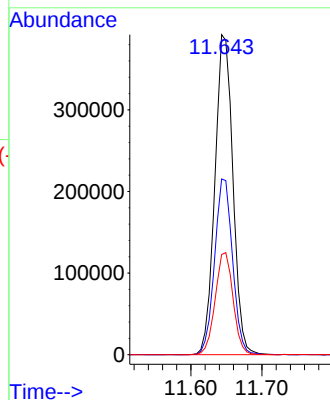
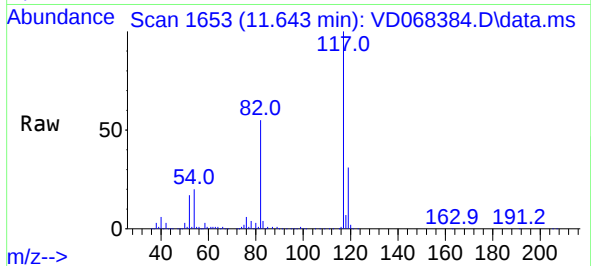




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.643 min Scan# 1653  
Delta R.T. -0.006 min  
Lab File: VD068384.D  
Acq: 17 Feb 2021 15:46

Instrument :  
MSVOA\_D  
ClientSampleID :  
SP-142-150

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 690755 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 54.9  | 41.4  | 62.0   |
| 119      | 31.3  | 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: VD068384.D  
Acq: 17 Feb 2021 15:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 272452 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 59.0  | 28.9  | 86.8   |
| 150      | 157.8 | 0.0   | 344.4  |

