

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021921\  
 Data File : VD068401.D  
 Acq On : 19 Feb 2021 15:38  
 Operator : VA/SY  
 Sample : M1452-05  
 Misc : 6.86G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-2

Quant Time: Feb 19 23:31:24 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   | 386069   | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 740790   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.644 | 117   | 673837   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573 | 152   | 271607   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 221919   | 56.23    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 112.46%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 226537   | 51.52    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 103.04%  |
| 50) Toluene-d8              | 10.344 | 98    | 933414   | 51.22    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 102.44%  |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 280110   | 47.18    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 94.36%   |

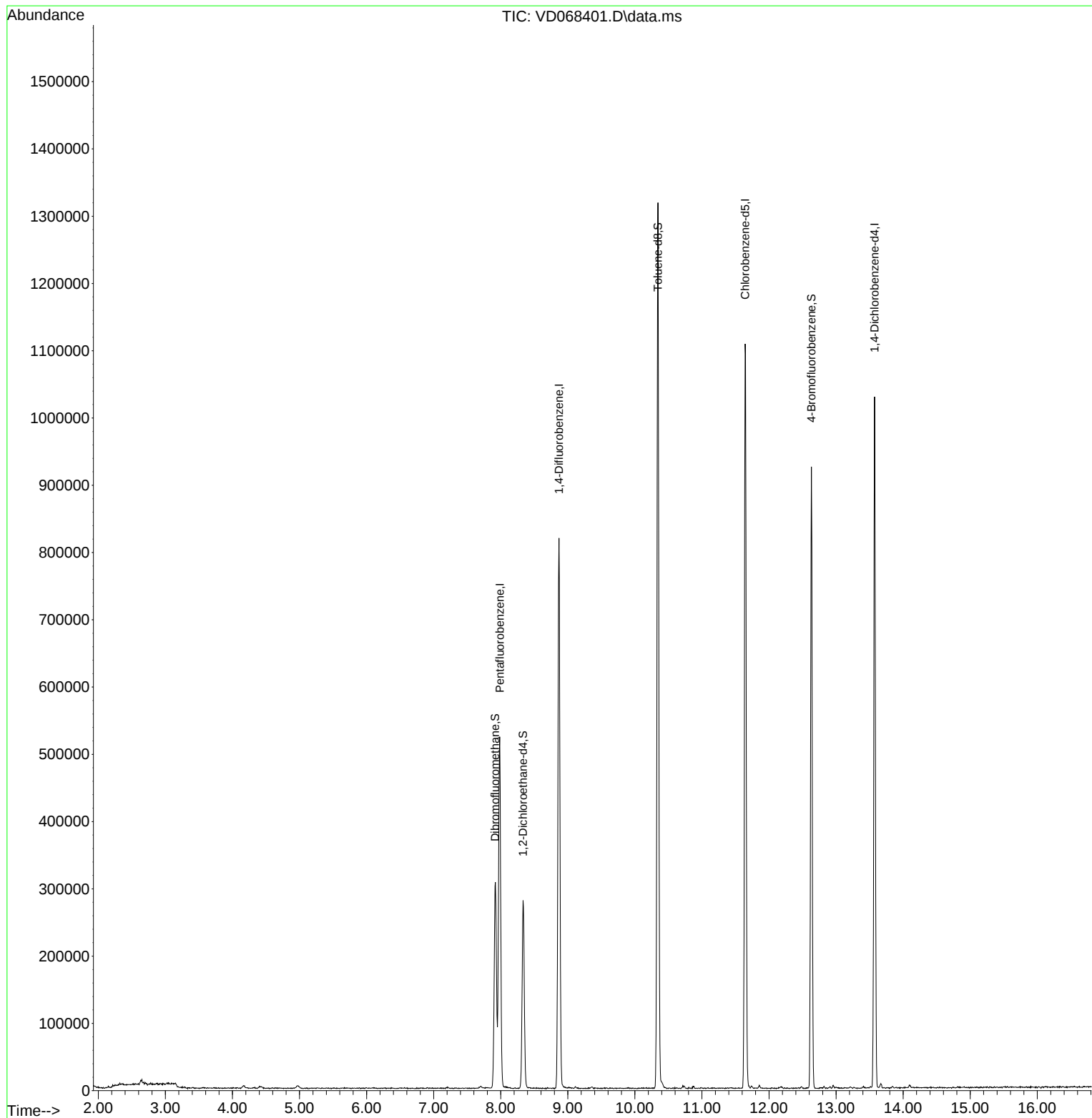
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

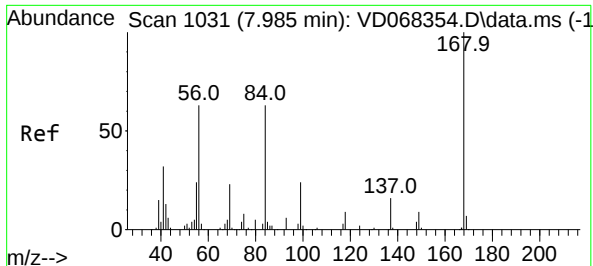
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M1452-05  
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Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

Quant Time: Feb 19 23:31:24 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

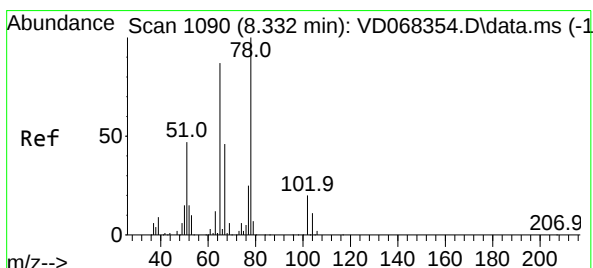
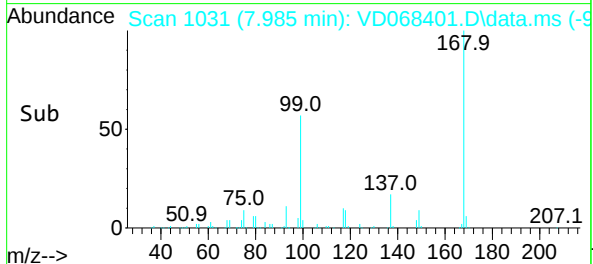
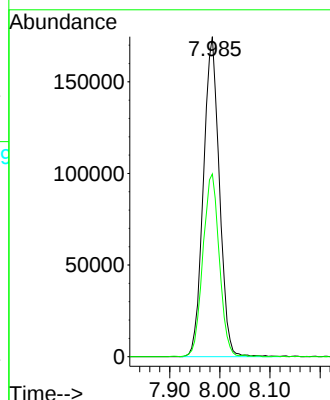
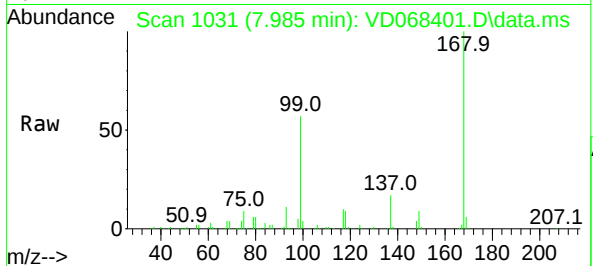




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068401.D  
Acq: 19 Feb 2021 15:38

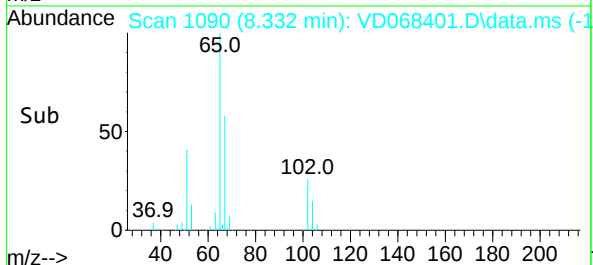
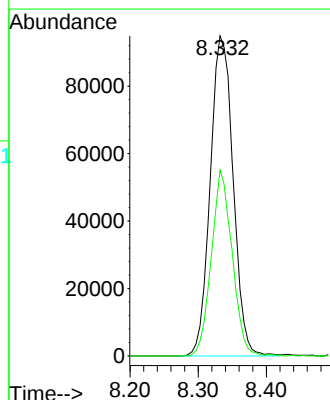
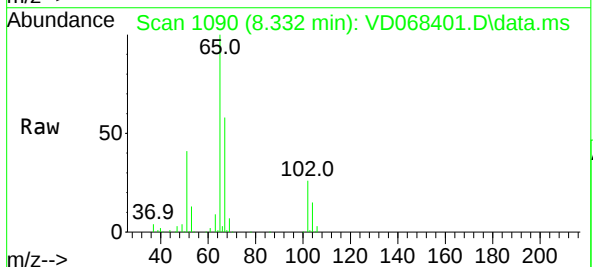
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

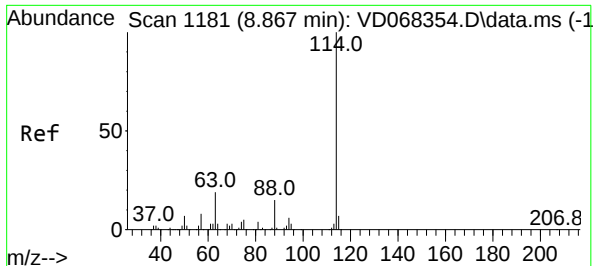
Tgt Ion:168 Resp: 386069  
Ion Ratio Lower Upper  
168 100  
99 57.1 43.5 65.3



#33  
1,2-Dichloroethane-d4  
Concen: 56.23 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD068401.D  
Acq: 19 Feb 2021 15:38

Tgt Ion: 65 Resp: 221919  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 105.0



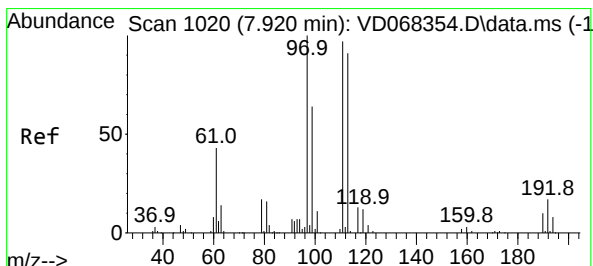
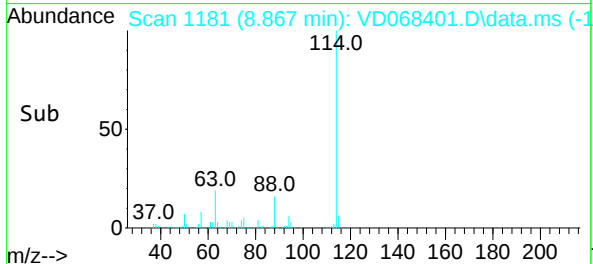
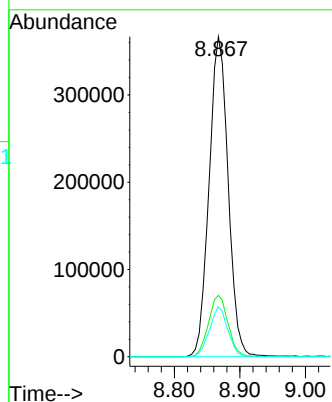
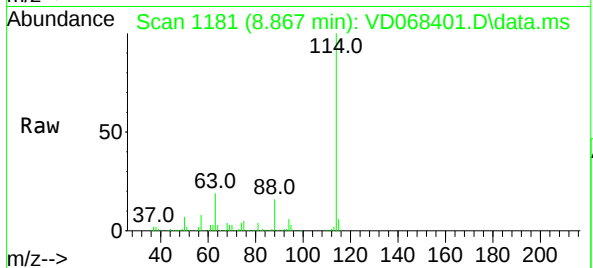


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068401.D  
Acq: 19 Feb 2021 15:38

Instrument :  
MSVOA\_D  
ClientSampled :  
TP-2

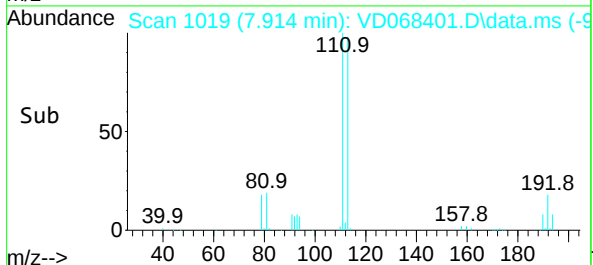
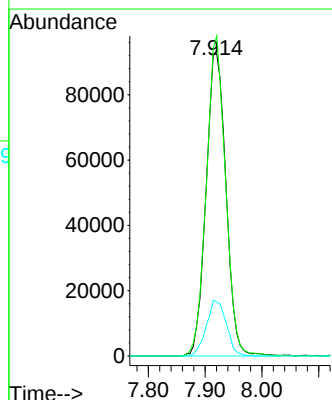
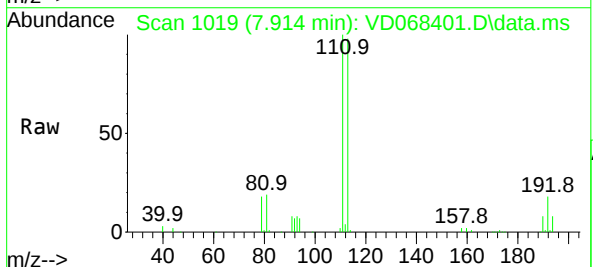
Tgt Ion:114 Resp: 740790  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 34.8  
88 15.6 0.0 31.6

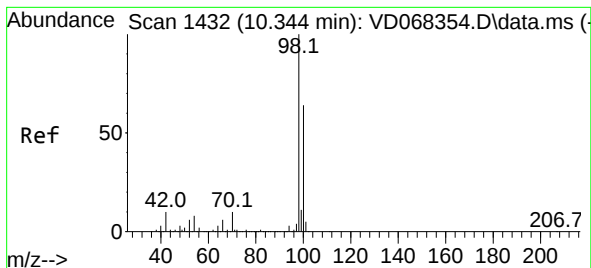


#35

Dibromofluoromethane  
Concen: 51.52 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD068401.D  
Acq: 19 Feb 2021 15:38

Tgt Ion:113 Resp: 226537  
Ion Ratio Lower Upper  
113 100  
111 101.6 81.4 122.0  
192 18.3 16.1 24.1

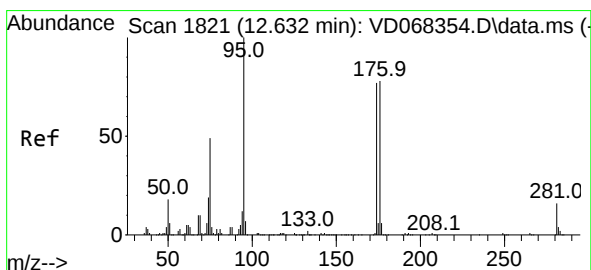
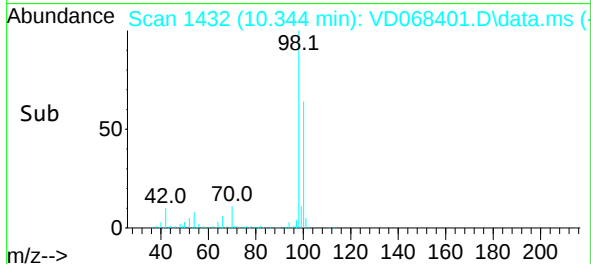
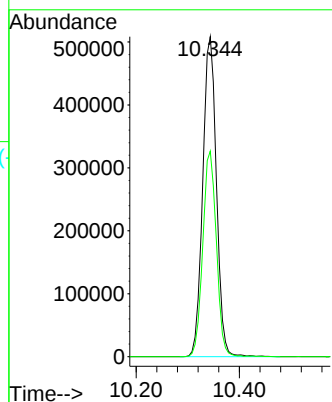
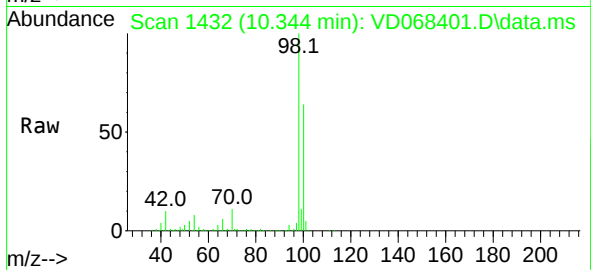




#50  
Toluene-d8  
Concen: 51.22 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: VD068401.D  
Acq: 19 Feb 2021 15:38

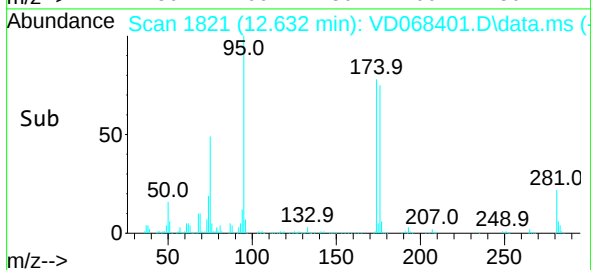
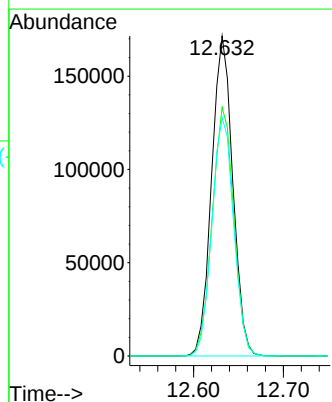
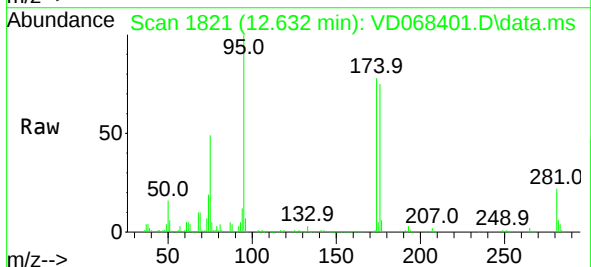
Instrument :  
MSVOA\_D  
ClientSampled :  
TP-2

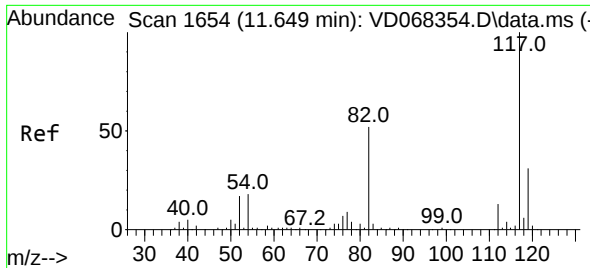
Tgt Ion: 98 Resp: 933414  
Ion Ratio Lower Upper  
98 100  
100 63.9 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 47.18 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.000 min  
Lab File: VD068401.D  
Acq: 19 Feb 2021 15:38

Tgt Ion: 95 Resp: 280110  
Ion Ratio Lower Upper  
95 100  
174 79.8 0.0 172.4  
176 76.9 0.0 168.4

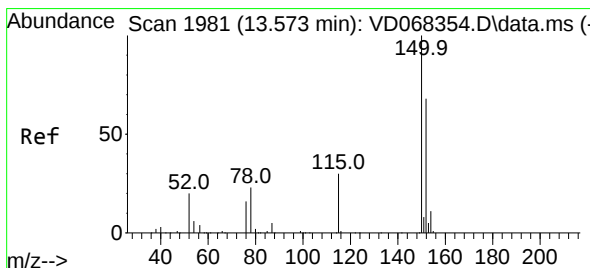
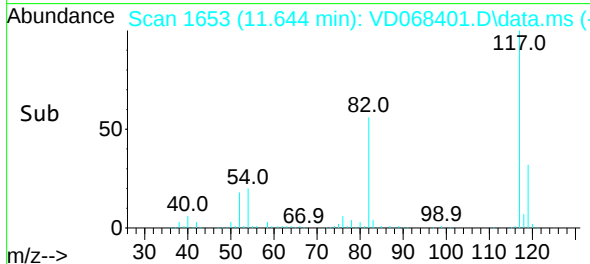
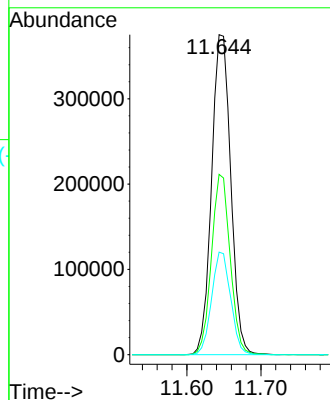
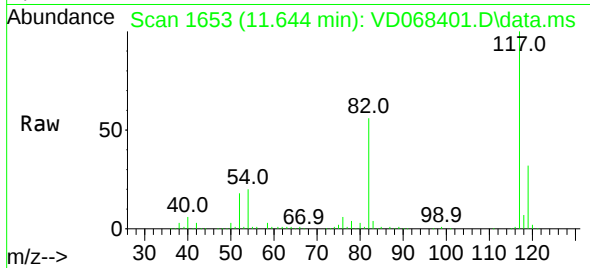




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. -0.006 min  
Lab File: VD068401.D  
Acq: 19 Feb 2021 15:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

Tgt Ion:117 Resp: 673837  
Ion Ratio Lower Upper  
117 100  
82 56.4 41.4 62.0  
119 32.0 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: VD068401.D  
Acq: 19 Feb 2021 15:38

Tgt Ion:152 Resp: 271607  
Ion Ratio Lower Upper  
152 100  
115 59.1 28.9 86.8  
150 155.7 0.0 344.4

