

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020921\  
 Data File : VD068332.D  
 Acq On : 09 Feb 2021 16:46  
 Operator : VA/SY  
 Sample : M1347-01  
 Misc : 2.62G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OR-03-020921

Quant Time: Feb 10 00:17:46 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       | 7.979  | 168   | 26743    | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 46312    | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5        | 11.644 | 117   | 42304    | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573 | 152   | 19343    | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 18885    | 73.82    | ug/l      | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 147.64% |          |
| 35) Dibromofluoromethane    | 7.914  | 113   | 12991    | 50.74    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 101.48% |          |
| 50) Toluene-d8              | 10.338 | 98    | 56452    | 55.12    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 110.24% |          |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 19910    | 53.98    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 107.96% |          |

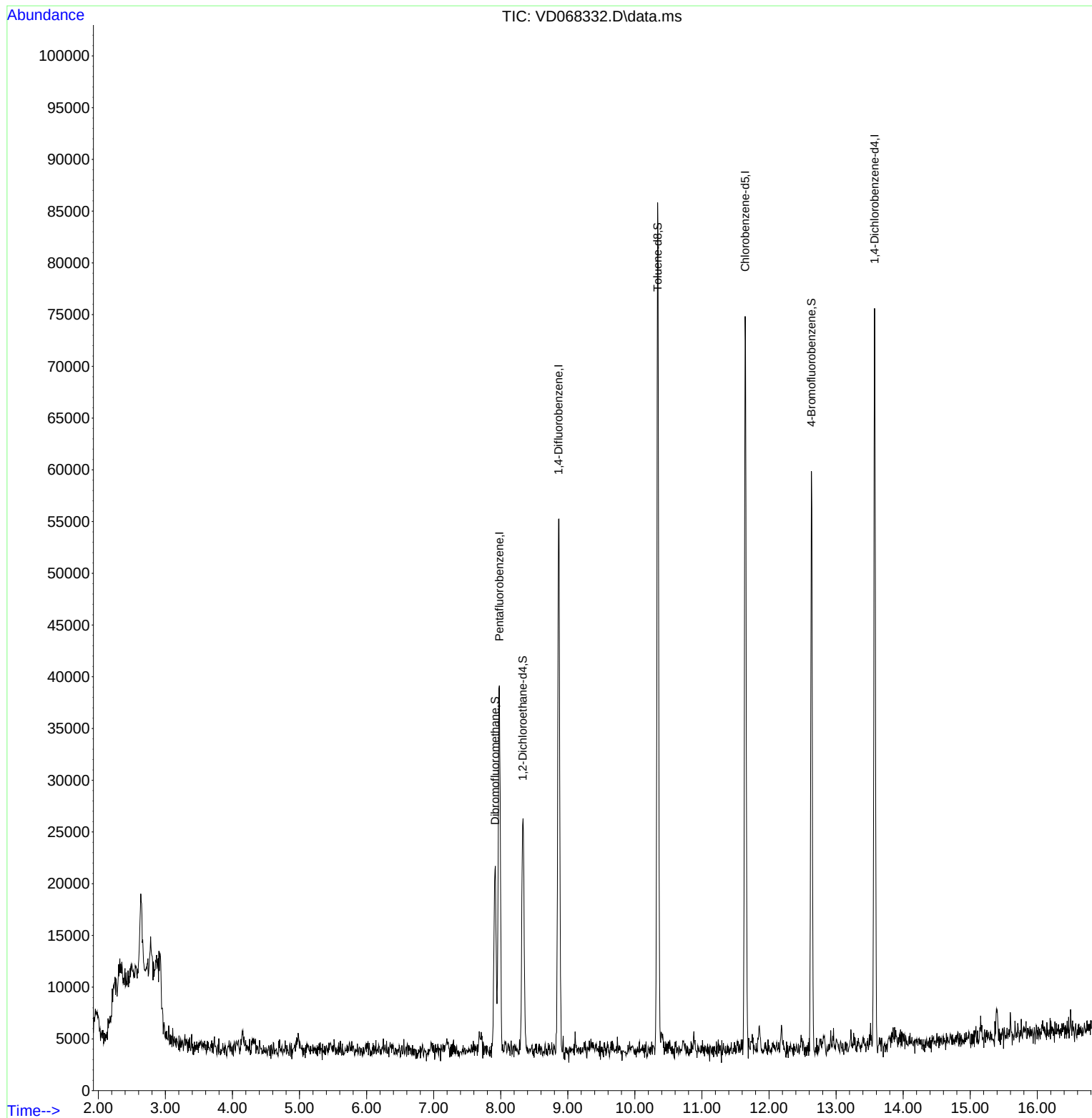
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

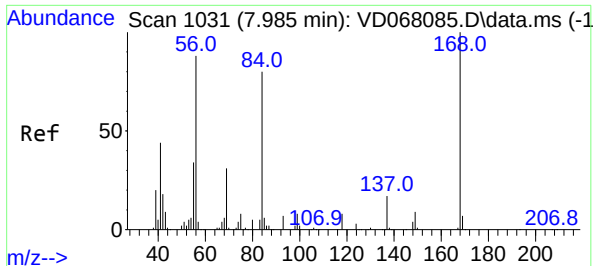
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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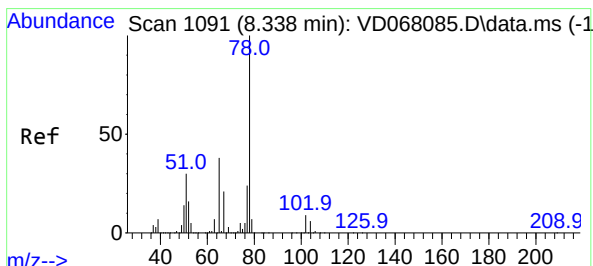
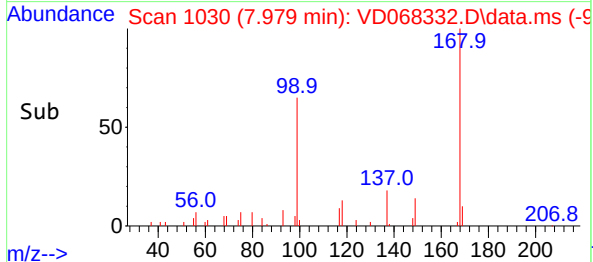
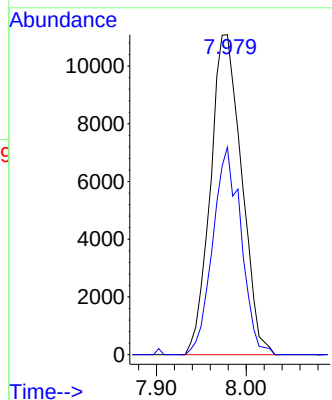
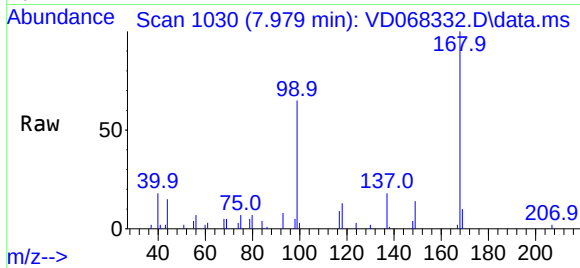




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD068332.D  
Acq: 09 Feb 2021 16:46

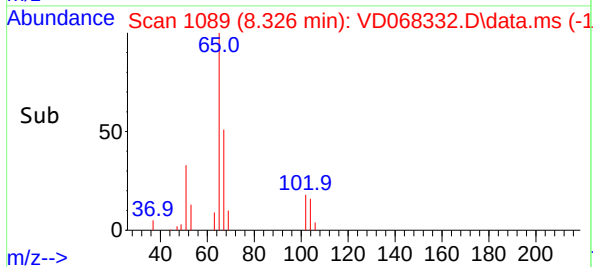
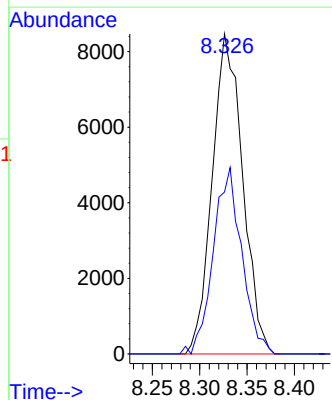
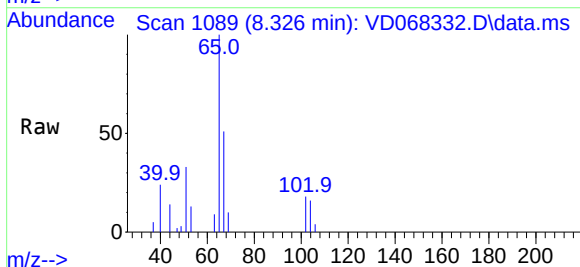
Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-03-020921

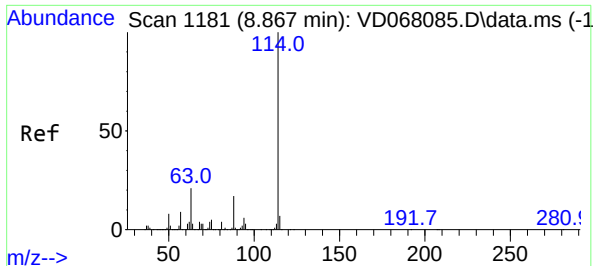
Tgt Ion:168 Resp: 26743  
Ion Ratio Lower Upper  
168 100  
99 64.9 43.5 65.3



#33  
1,2-Dichloroethane-d4  
Concen: 73.82 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.011 min  
Lab File: VD068332.D  
Acq: 09 Feb 2021 16:46

Tgt Ion: 65 Resp: 18885  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 105.0

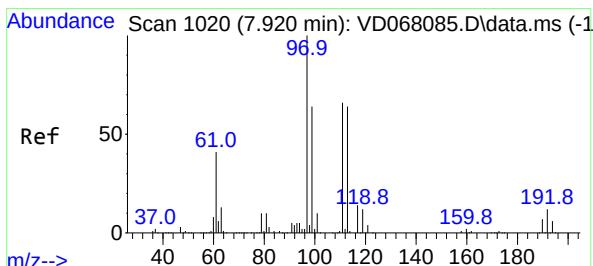
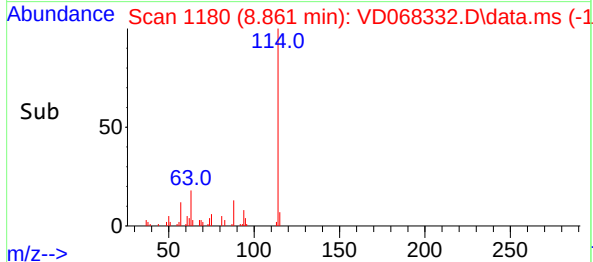
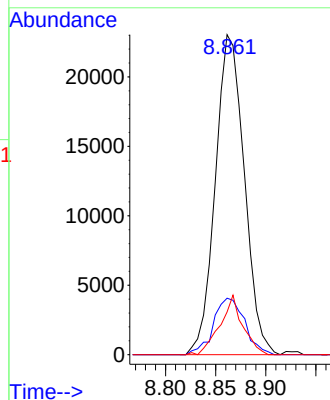
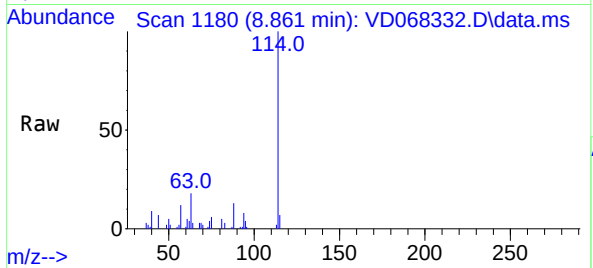




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: VD068332.D  
Acq: 09 Feb 2021 16:46

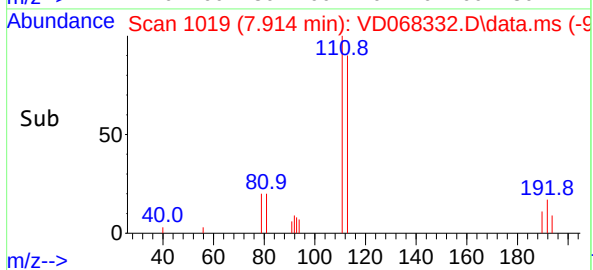
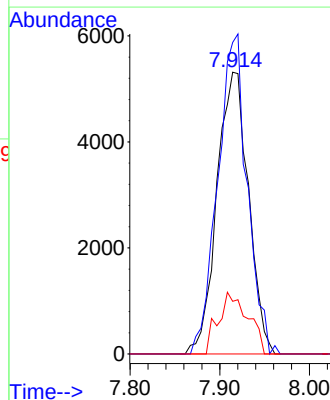
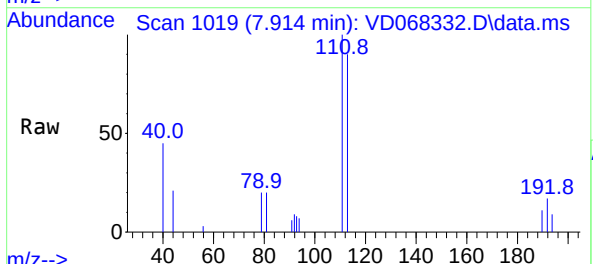
Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-03-020921

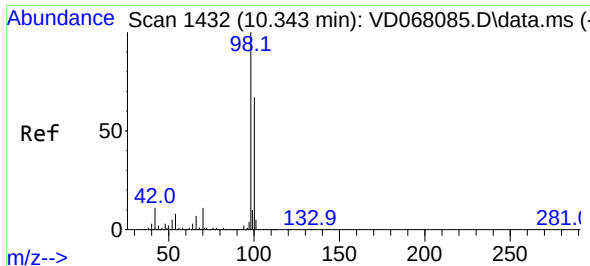
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 46312 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 17.7  | 0.0   | 34.8  |
| 88        | 13.4  | 0.0   | 31.6  |



#35  
Dibromofluoromethane  
Concen: 50.74 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD068332.D  
Acq: 09 Feb 2021 16:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 12991 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 106.3 | 81.4  | 122.0 |
| 192       | 20.5  | 16.1  | 24.1  |

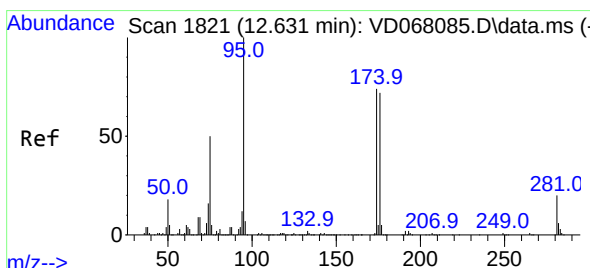
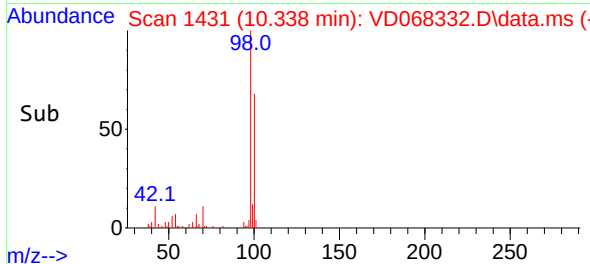
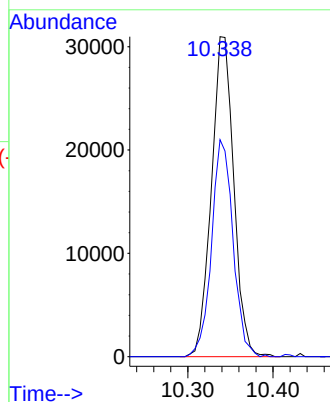
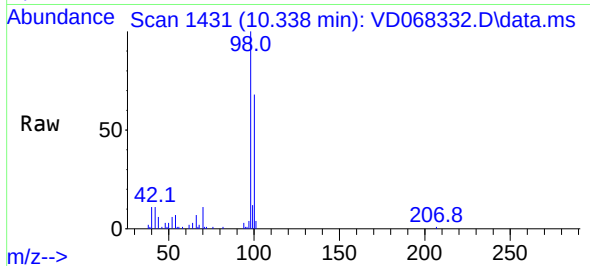




#50  
Toluene-d8  
Concen: 55.12 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: VD068332.D  
Acq: 09 Feb 2021 16:46

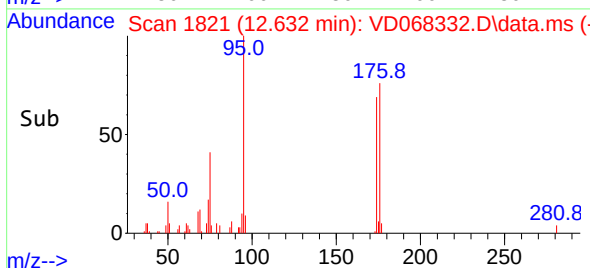
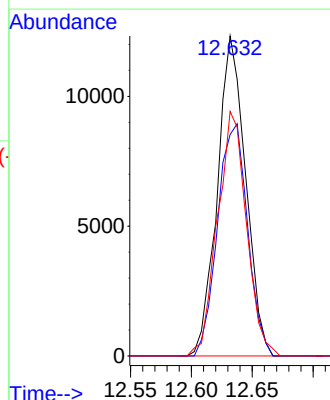
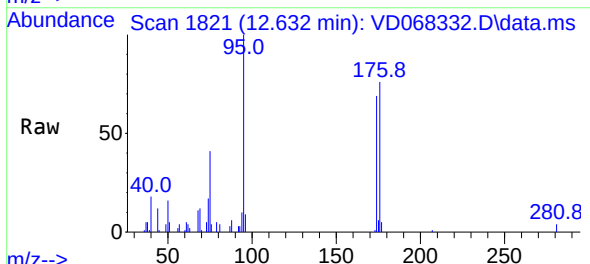
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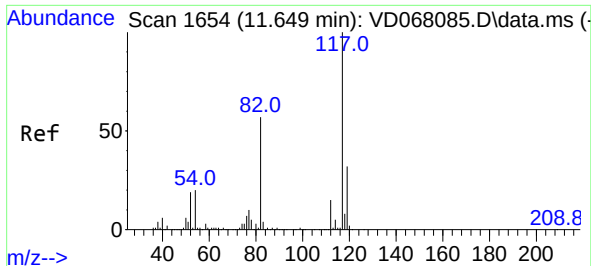
Tgt Ion: 98 Resp: 56452  
Ion Ratio Lower Upper  
98 100  
100 65.1 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 53.98 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068332.D  
Acq: 09 Feb 2021 16:46

Tgt Ion: 95 Resp: 19910  
Ion Ratio Lower Upper  
95 100  
174 77.1 0.0 172.4  
176 78.2 0.0 168.4

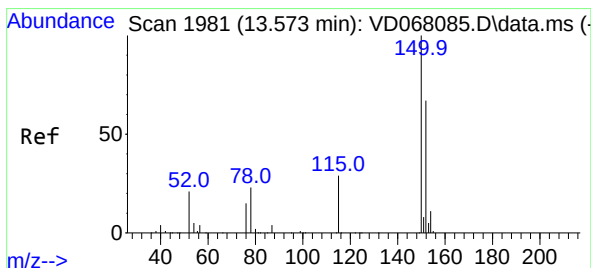
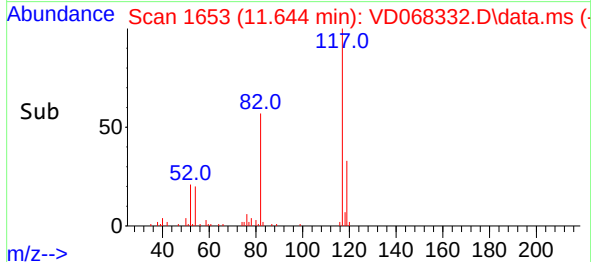
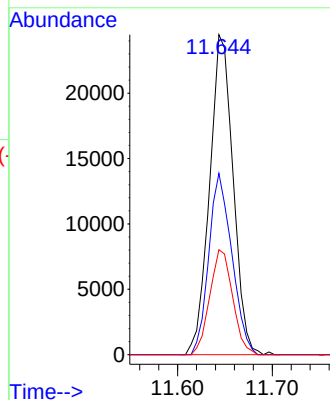
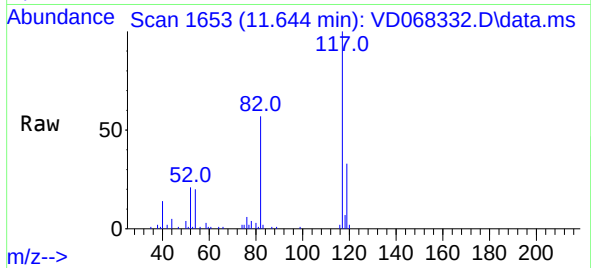




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. -0.005 min  
Lab File: VD068332.D  
Acq: 09 Feb 2021 16:46

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 42304 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 56.6  | 41.4  | 62.0  |
| 119      | 32.8  | 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: VD068332.D  
Acq: 09 Feb 2021 16:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 19343 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 55.9  | 28.9  | 86.8  |
| 150      | 159.8 | 0.0   | 344.4 |

