

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020821\  
 Data File : VD068323.D  
 Acq On : 08 Feb 2021 17:41  
 Operator : VA/SY  
 Sample : M1341-01  
 Misc : 2.51G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 20057

Quant Time: Feb 09 00:16:46 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       | 7.985  | 168   | 498345   | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 899088   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5        | 11.649 | 117   | 784408   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573 | 152   | 306047   | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 271197   | 56.89    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 113.78% |          |
| 35) Dibromofluoromethane    | 7.920  | 113   | 272693   | 54.86    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 109.72% |          |
| 50) Toluene-d8              | 10.343 | 98    | 1079158  | 54.28    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 108.56% |          |
| 62) 4-Bromofluorobenzene    | 12.631 | 95    | 334531   | 46.72    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 93.44%  |          |

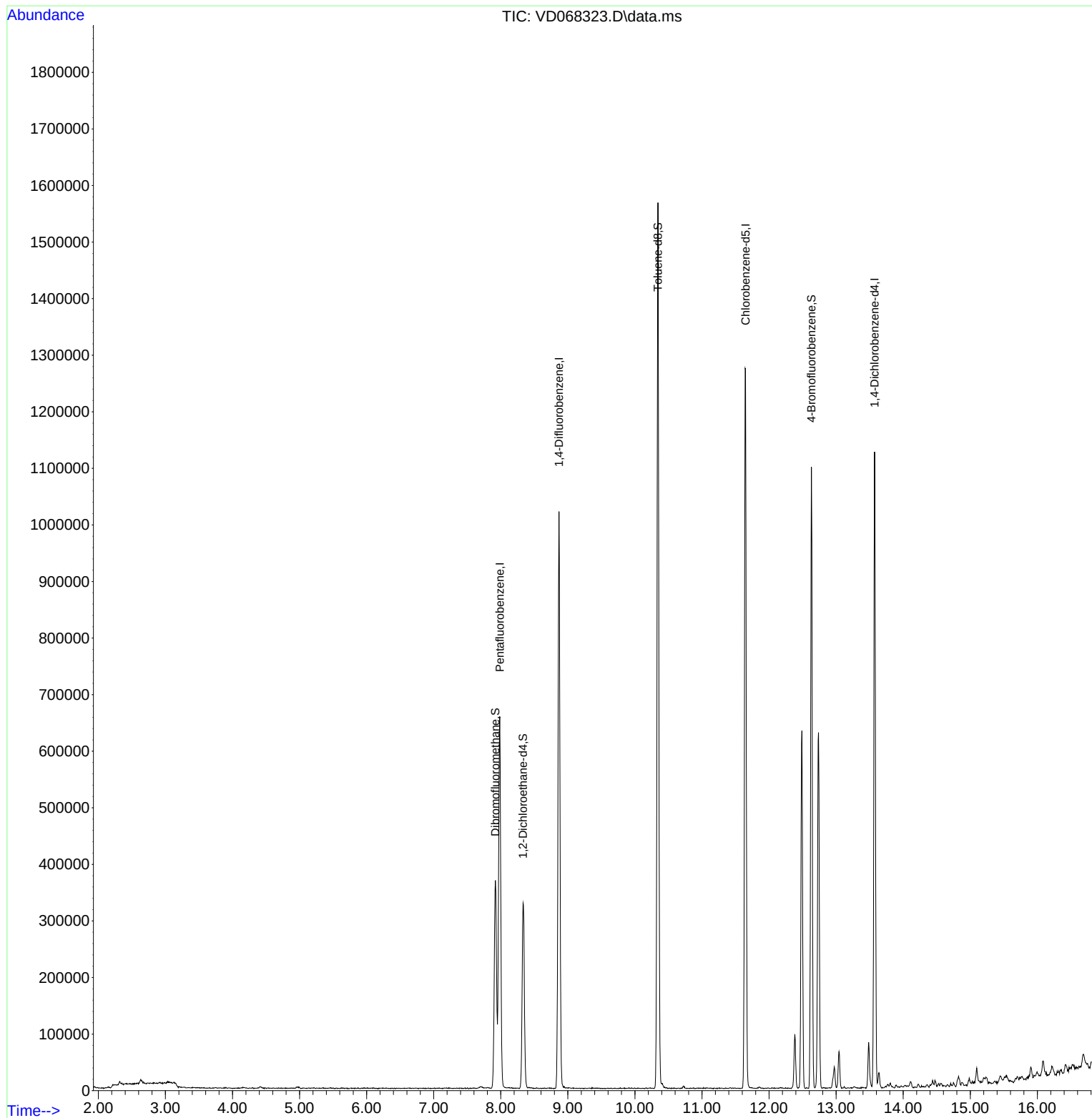
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

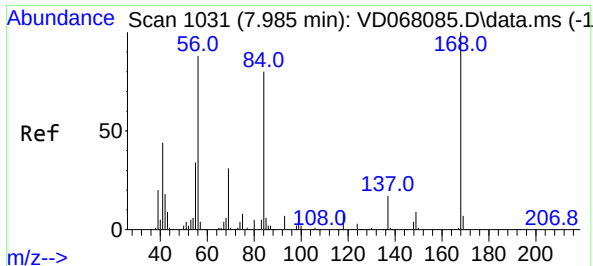
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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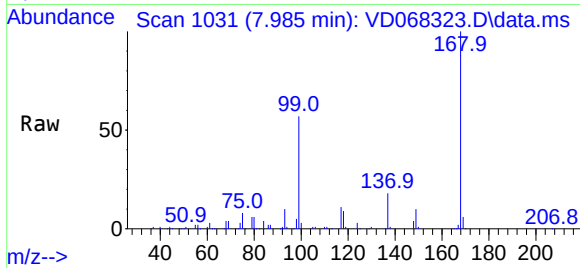
Quant Time: Feb 09 00:16:46 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 19 13:19:08 2021  
Response via : Initial Calibration



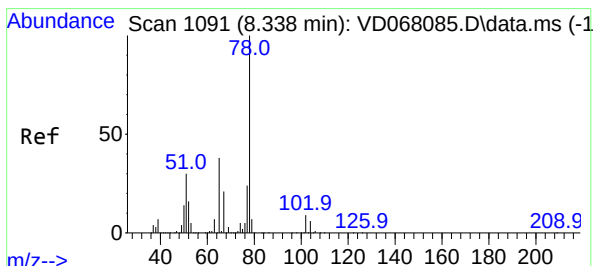
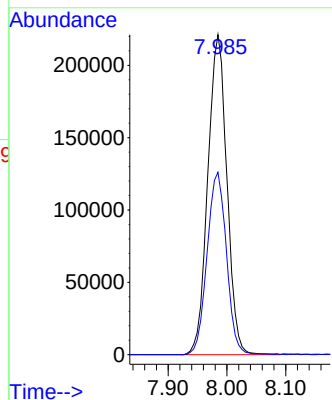
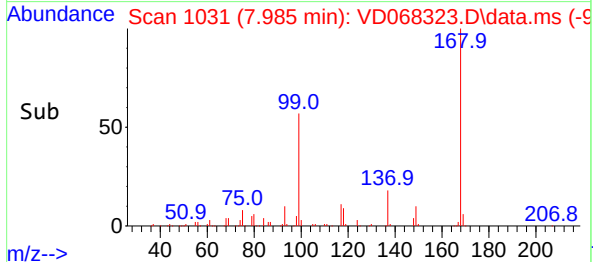


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068323.D  
Acq: 08 Feb 2021 17:41

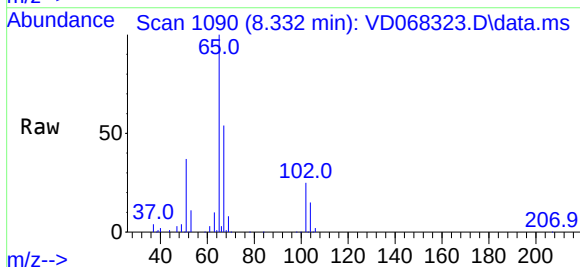
Instrument :  
MSVOA\_D  
ClientSampleId :  
20057



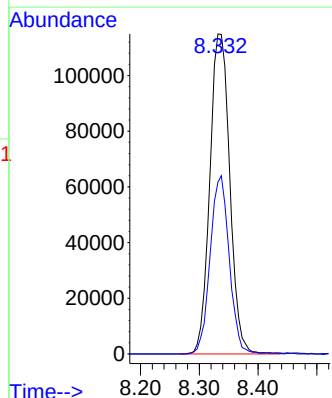
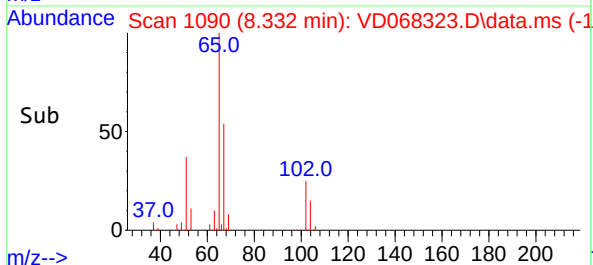
Tgt Ion:168 Resp: 498345  
Ion Ratio Lower Upper  
168 100  
99 57.0 43.5 65.3

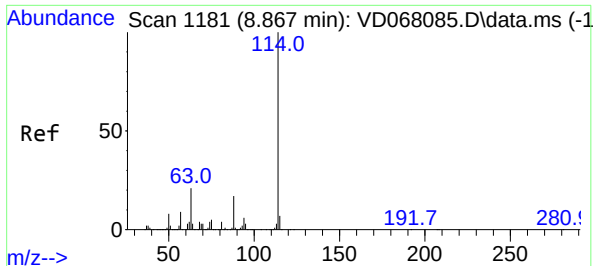


#33  
1,2-Dichloroethane-d4  
Concen: 56.89 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD068323.D  
Acq: 08 Feb 2021 17:41



Tgt Ion: 65 Resp: 271197  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 105.0

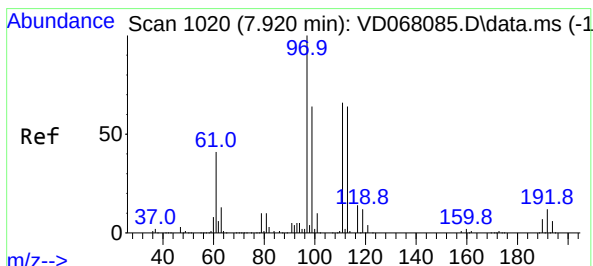
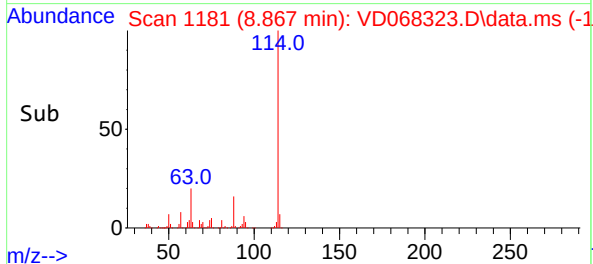
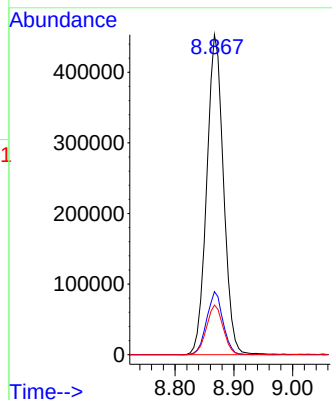
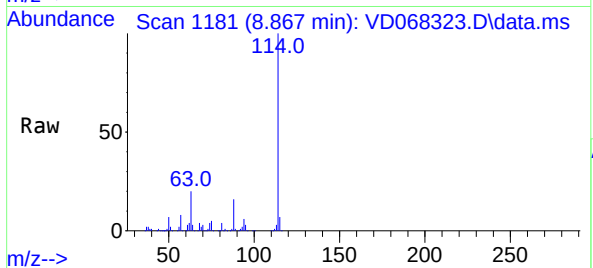




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: VD068323.D  
Acq: 08 Feb 2021 17:41

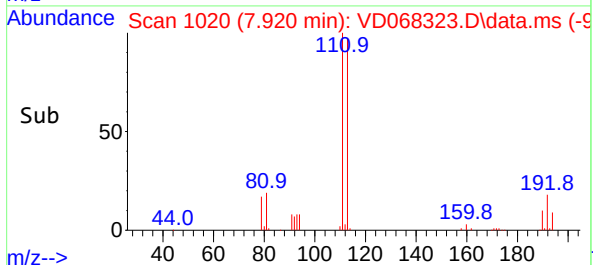
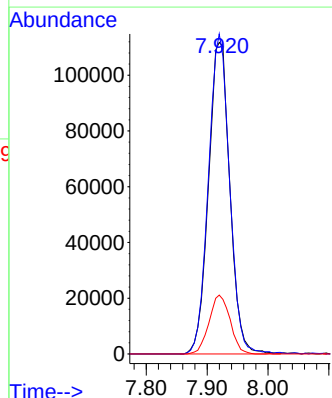
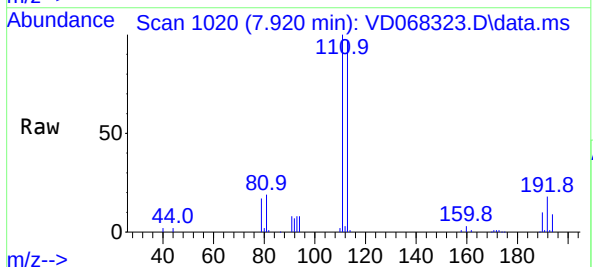
Instrument :  
MSVOA\_D  
ClientSampled :  
20057

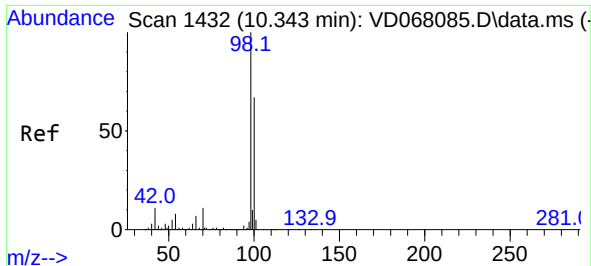
Tgt Ion:114 Resp: 899088  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 34.8  
88 15.5 0.0 31.6



#35  
Dibromofluoromethane  
Concen: 54.86 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068323.D  
Acq: 08 Feb 2021 17:41

Tgt Ion:113 Resp: 272693  
Ion Ratio Lower Upper  
113 100  
111 101.1 81.4 122.0  
192 18.6 16.1 24.1

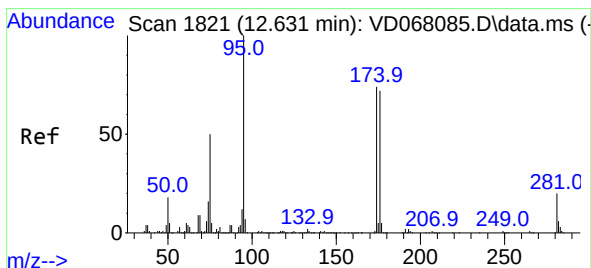
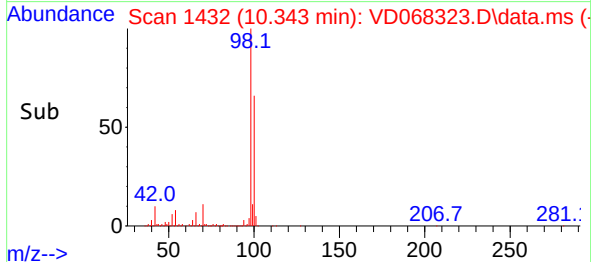
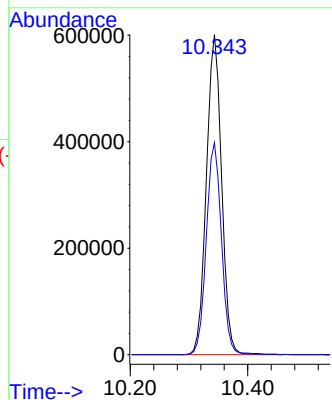
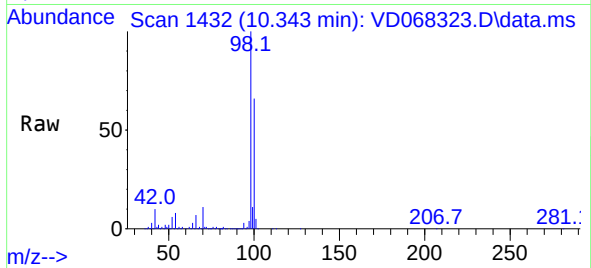




#50  
Toluene-d8  
Concen: 54.28 ug/l  
RT: 10.343 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068323.D  
Acq: 08 Feb 2021 17:41

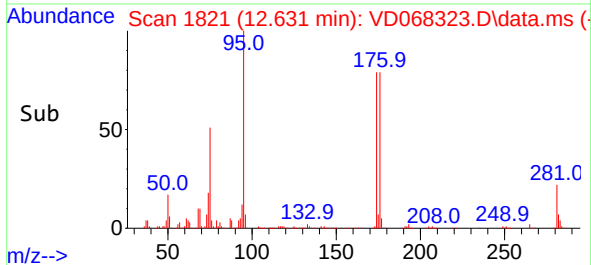
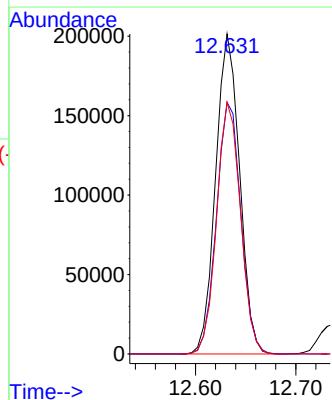
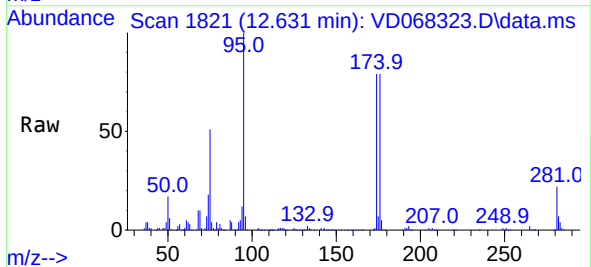
Instrument :  
MSVOA\_D  
ClientSampleId :  
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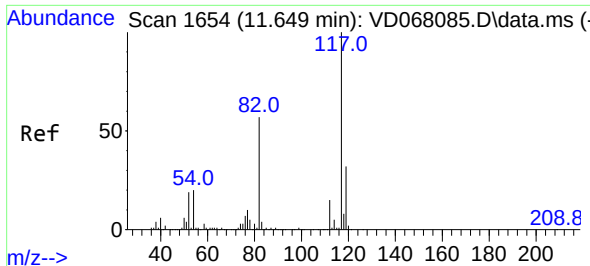
Tgt Ion: 98 Resp: 1079158  
Ion Ratio Lower Upper  
98 100  
100 65.8 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 46.72 ug/l  
RT: 12.631 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068323.D  
Acq: 08 Feb 2021 17:41

Tgt Ion: 95 Resp: 334531  
Ion Ratio Lower Upper  
95 100  
174 80.0 0.0 172.4  
176 78.1 0.0 168.4

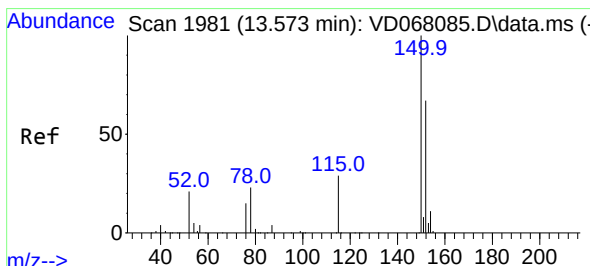
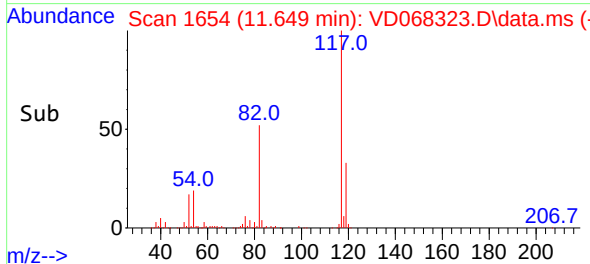
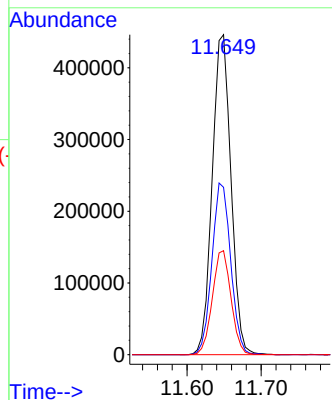
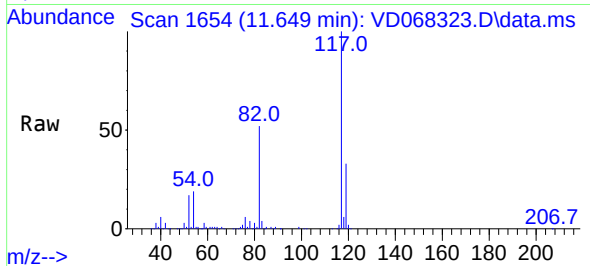




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.649 min Scan# 1654  
Delta R.T. 0.000 min  
Lab File: VD068323.D  
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Instrument :  
MSVOA\_D  
ClientSampleId :  
20057

Tgt Ion:117 Resp: 784408  
Ion Ratio Lower Upper  
117 100  
82 52.3 41.4 62.0  
119 32.5 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: VD068323.D  
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Tgt Ion:152 Resp: 306047  
Ion Ratio Lower Upper  
152 100  
115 57.8 28.9 86.8  
150 154.3 0.0 344.4

