

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012921\  
 Data File : VD068239.D  
 Acq On : 29 Jan 2021 14:58  
 Operator : VA/SY  
 Sample : M1286-04  
 Misc : 4.68G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 JJ BH 01 2-4

Quant Time: Jan 30 00:02:53 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   | 61165    | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 107249   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.644 | 117   | 100139   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573 | 152   | 45787    | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 43281    | 73.97    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 147.94%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 29349    | 49.50    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 99.00%   |
| 50) Toluene-d8              | 10.344 | 98    | 134789   | 56.83    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 113.66%  |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 44760    | 52.41    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 104.82%  |

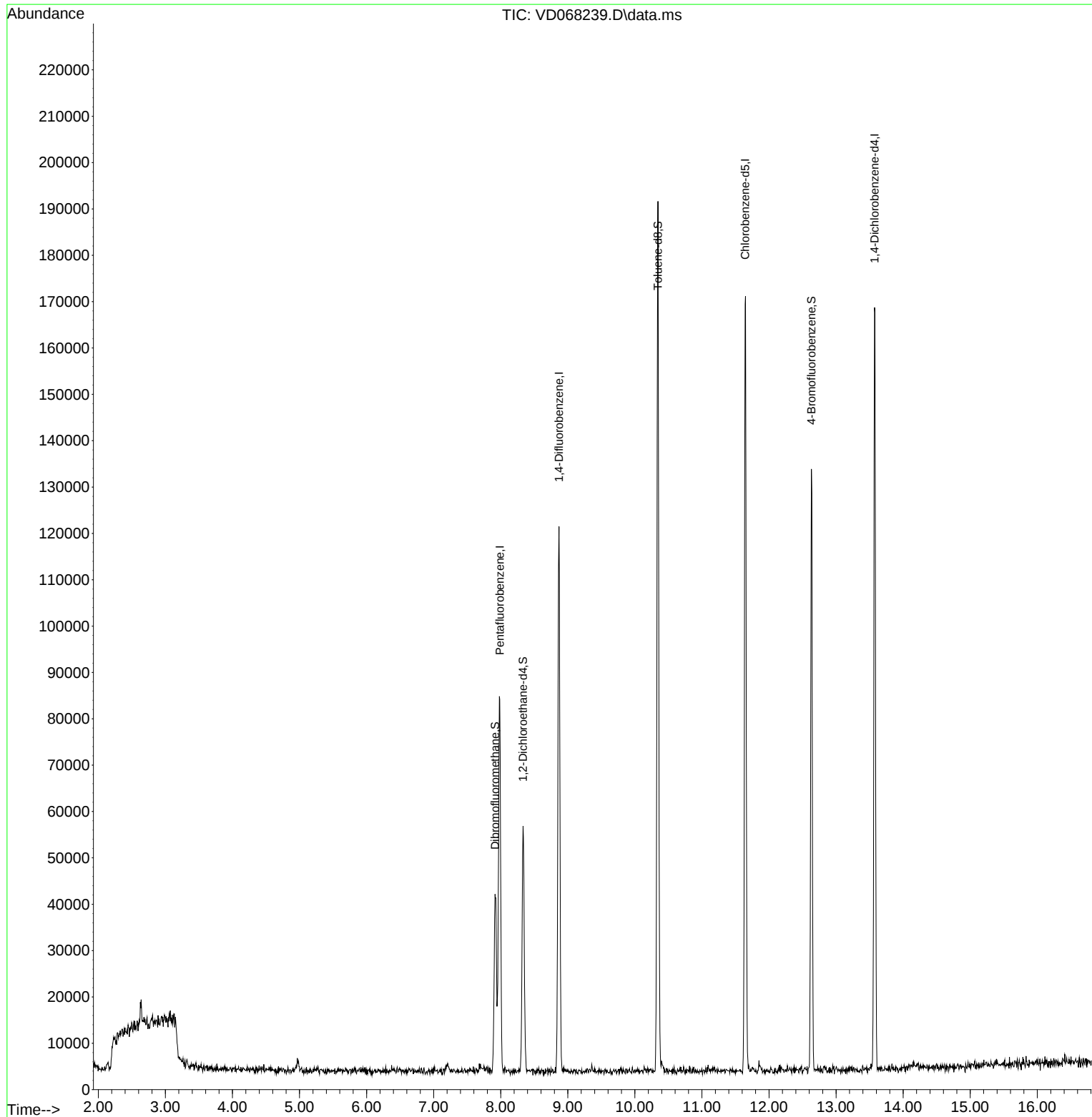
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

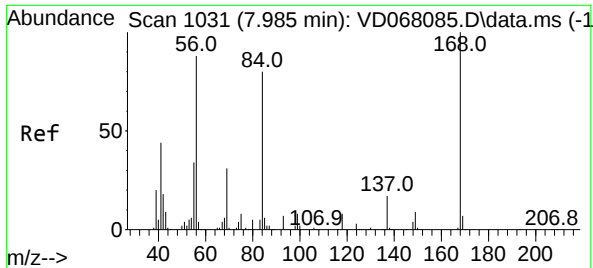
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

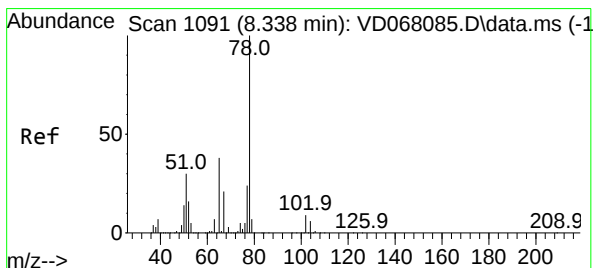
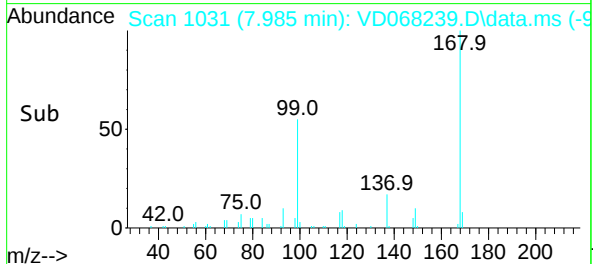
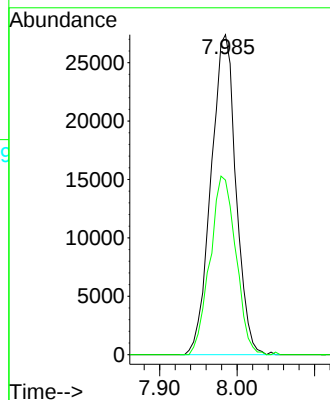
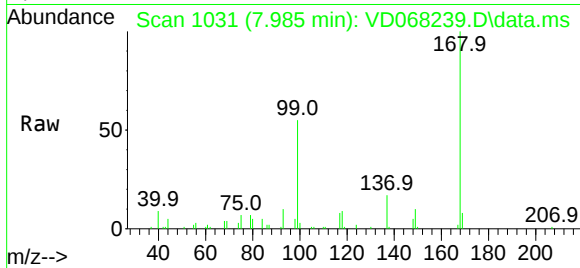




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068239.D  
Acq: 29 Jan 2021 14:58

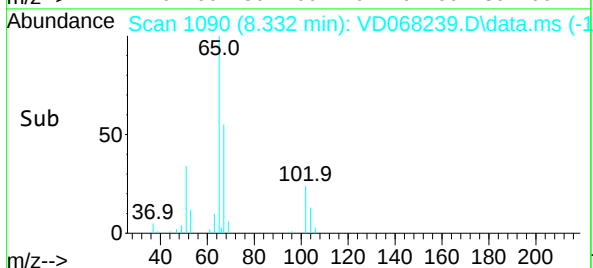
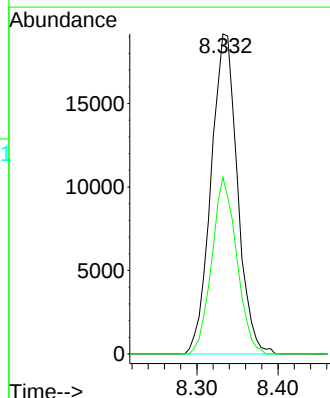
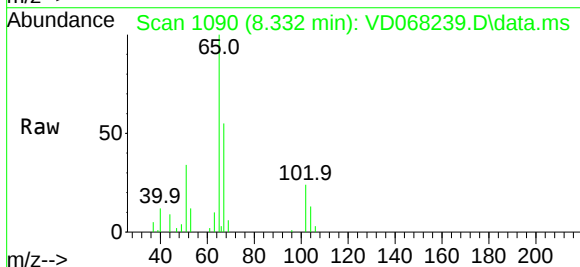
Instrument :  
MSVOA\_D  
ClientSampleId :  
JJ BH 01 2-4

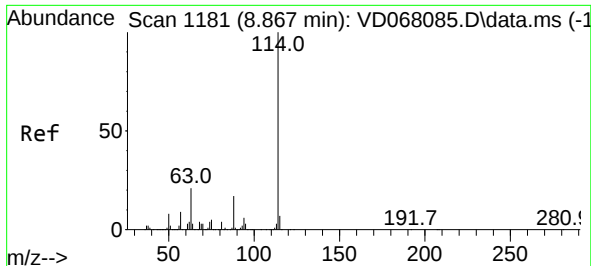
Tgt Ion:168 Resp: 61165  
Ion Ratio Lower Upper  
168 100  
99 54.6 43.5 65.3



#33  
1,2-Dichloroethane-d4  
Concen: 73.97 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD068239.D  
Acq: 29 Jan 2021 14:58

Tgt Ion: 65 Resp: 43281  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 105.0

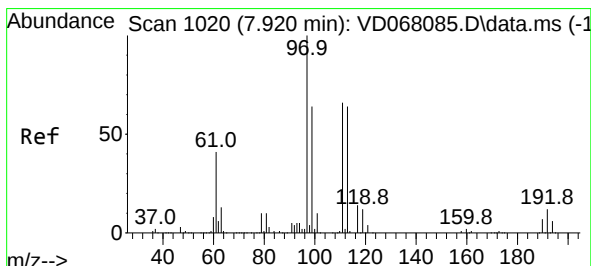
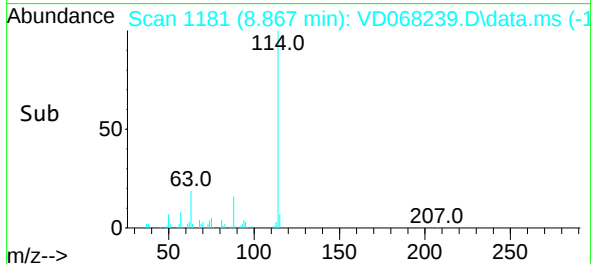
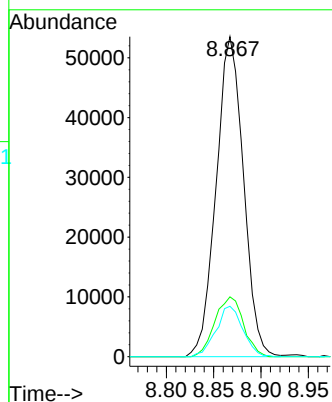
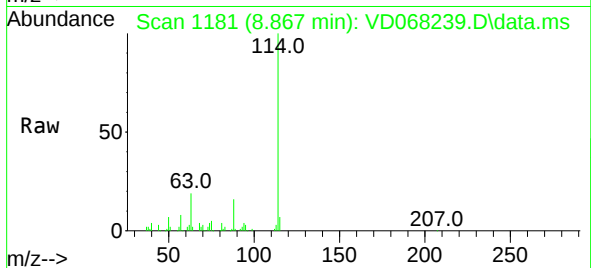




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068239.D  
Acq: 29 Jan 2021 14:58

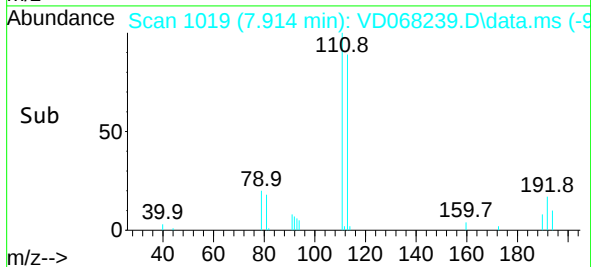
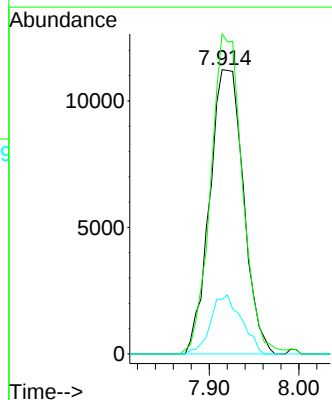
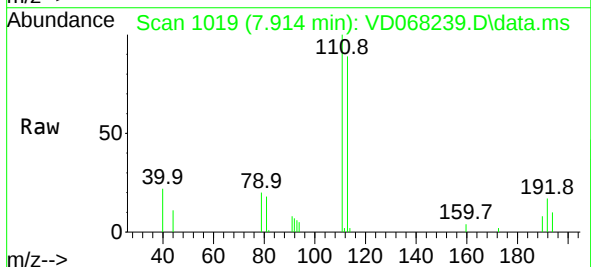
Instrument :  
MSVOA\_D  
ClientSampleId :  
JJ BH 01 2-4

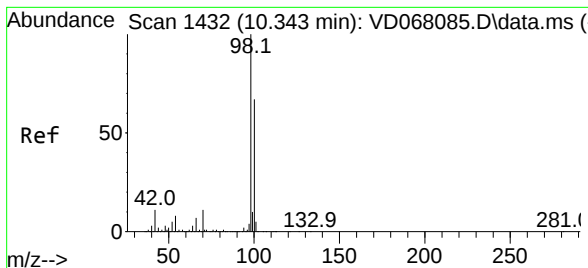
Tgt Ion:114 Resp: 107249  
Ion Ratio Lower Upper  
114 100  
63 18.7 0.0 34.8  
88 15.8 0.0 31.6



#35  
Dibromofluoromethane  
Concen: 49.50 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD068239.D  
Acq: 29 Jan 2021 14:58

Tgt Ion:113 Resp: 29349  
Ion Ratio Lower Upper  
113 100  
111 106.2 81.4 122.0  
192 19.0 16.1 24.1

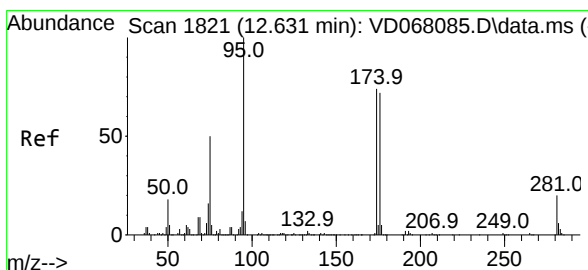
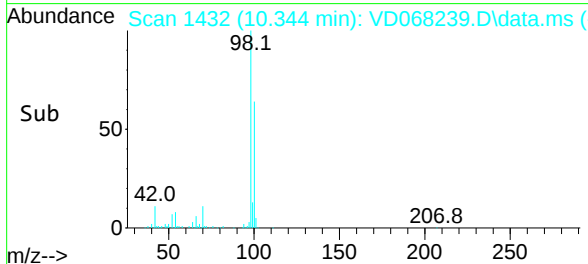
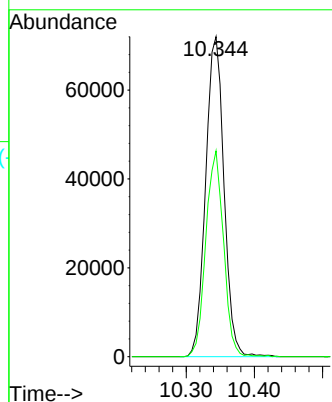
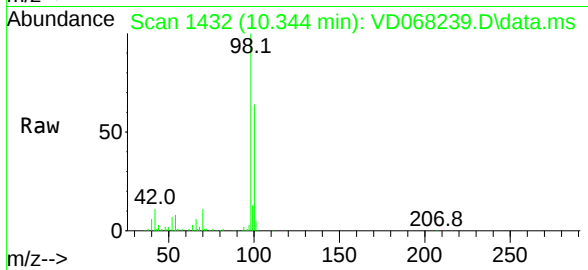




#50  
Toluene-d8  
Concen: 56.83 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068239.D  
Acq: 29 Jan 2021 14:58

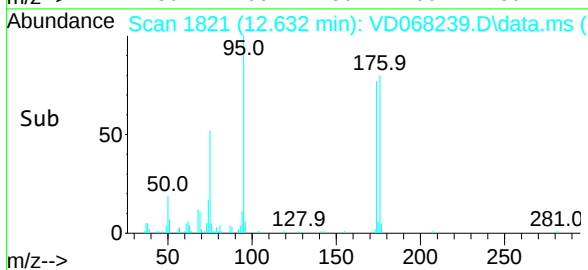
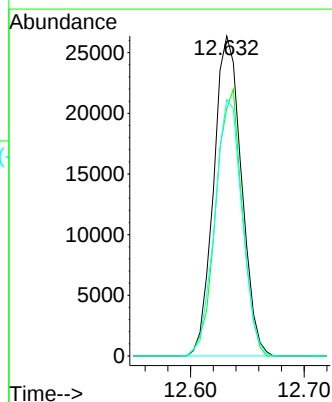
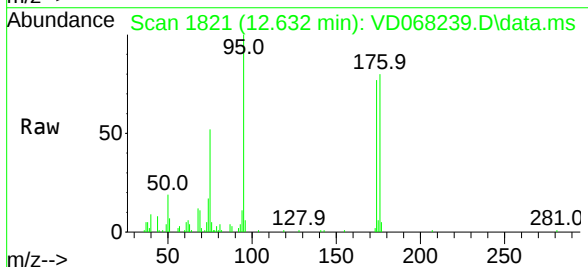
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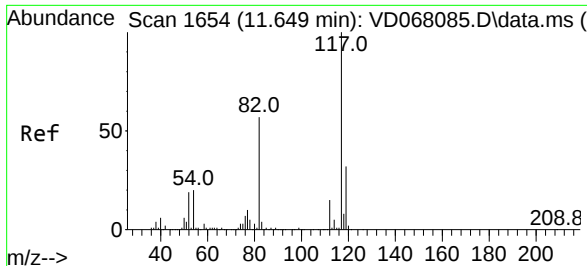
Tgt Ion: 98 Resp: 134789  
Ion Ratio Lower Upper  
98 100  
100 62.4 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 52.41 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068239.D  
Acq: 29 Jan 2021 14:58

Tgt Ion: 95 Resp: 44760  
Ion Ratio Lower Upper  
95 100  
174 79.1 0.0 172.4  
176 79.2 0.0 168.4

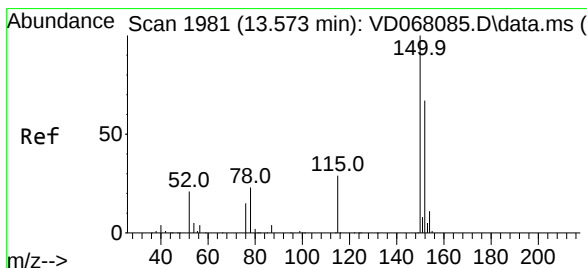
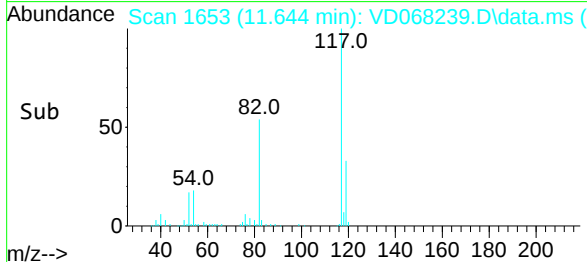
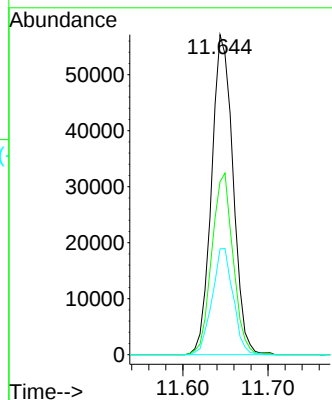
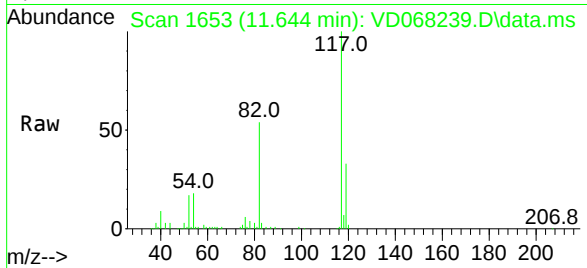




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. -0.005 min  
Lab File: VD068239.D  
Acq: 29 Jan 2021 14:58

Instrument :  
MSVOA\_D  
ClientSampleId :  
JJ BH 01 2-4

Tgt Ion:117 Resp: 100139  
Ion Ratio Lower Upper  
117 100  
82 54.1 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. 0.000 min  
Lab File: VD068239.D  
Acq: 29 Jan 2021 14:58

Tgt Ion:152 Resp: 45787  
Ion Ratio Lower Upper  
152 100  
115 59.5 28.9 86.8  
150 156.5 0.0 344.4

