

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012721\  
 Data File : VD068208.D  
 Acq On : 27 Jan 2021 19:51  
 Operator : VA/SY  
 Sample : M1253-01  
 Misc : 5.37G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 124055

Quant Time: Jan 27 23:59:31 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  | 479587   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.867  | 114  | 856132   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.649 | 117  | 755216   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.573 | 152  | 332577   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 267847   | 58.38    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 116.76% |
| 35) Dibromofluoromethane    | 7.920  | 113   | 253621   | 53.58    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 107.16% |
| 50) Toluene-d8              | 10.344 | 98    | 1060846  | 56.03    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 112.06% |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 345009   | 50.60    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 101.20% |

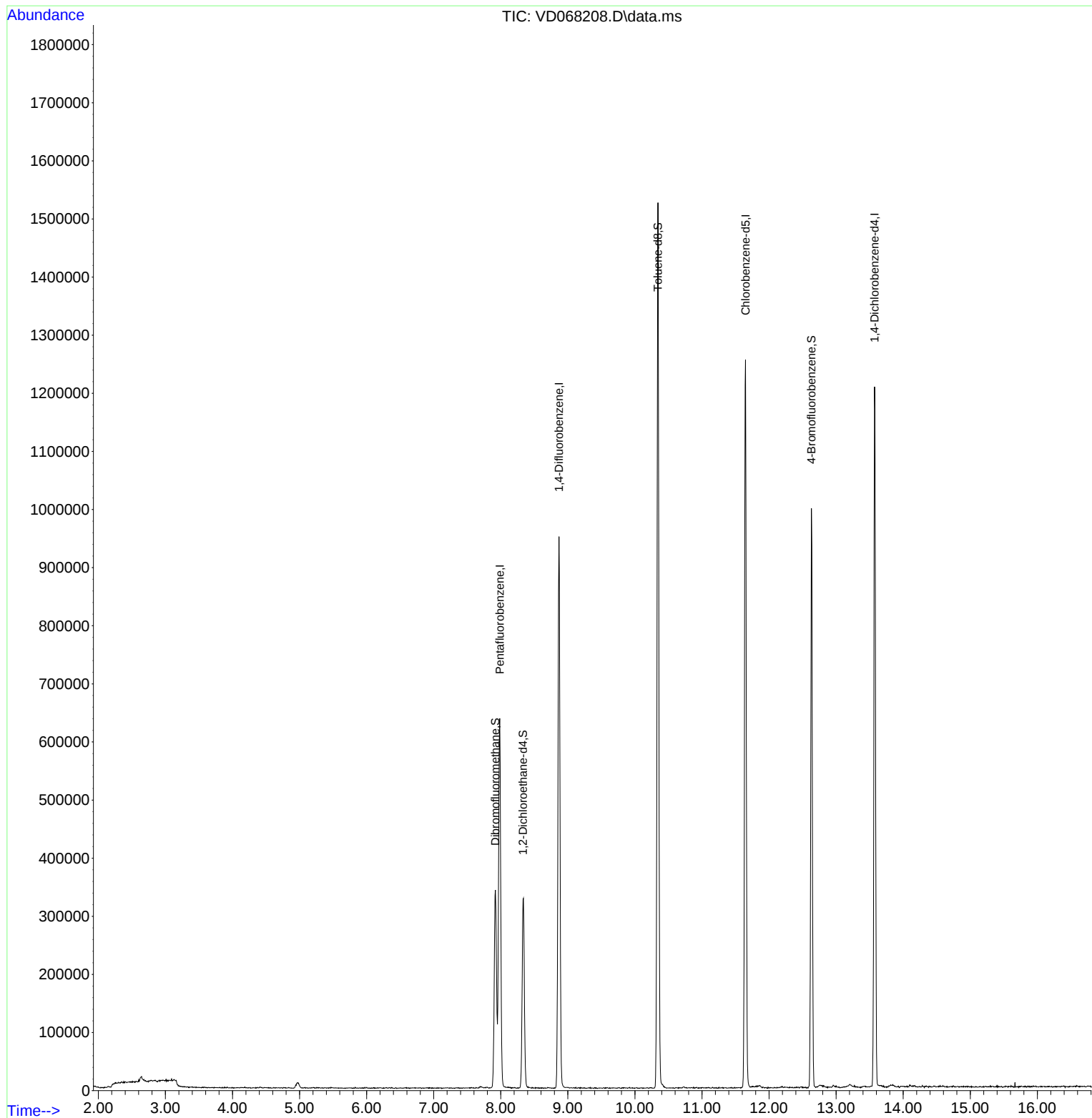
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

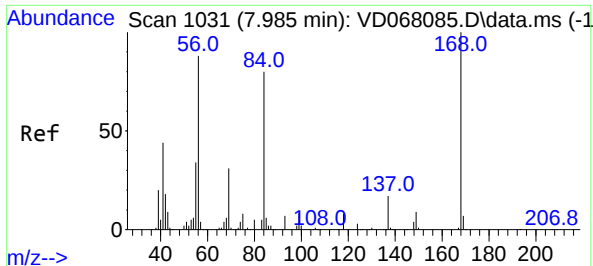
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
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124055

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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

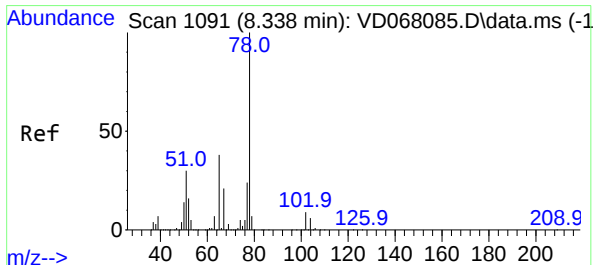
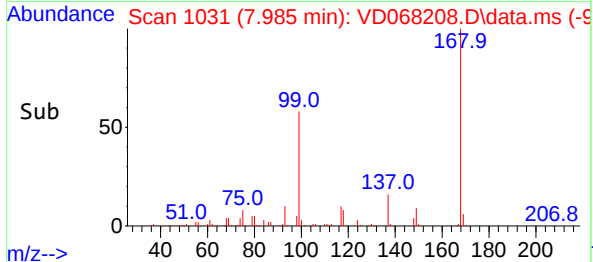
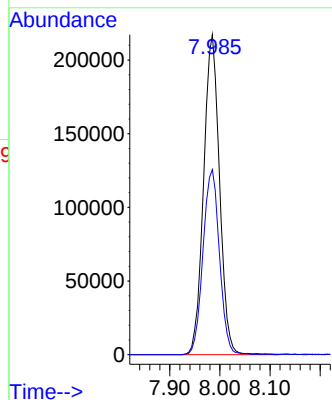
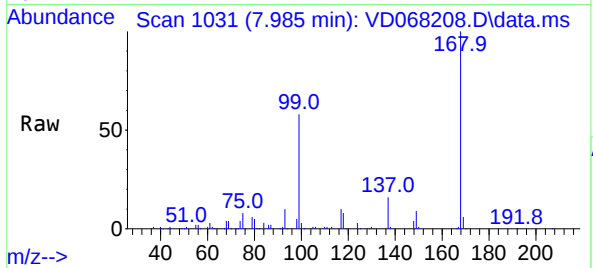




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068208.D  
Acq: 27 Jan 2021 19:51

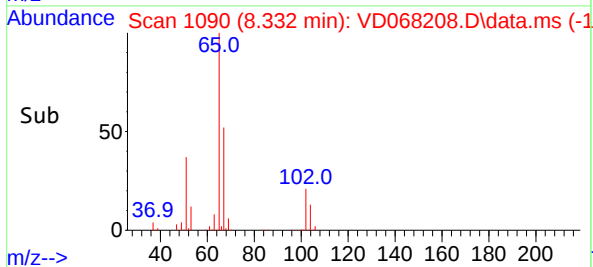
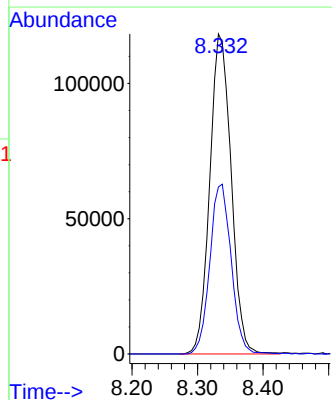
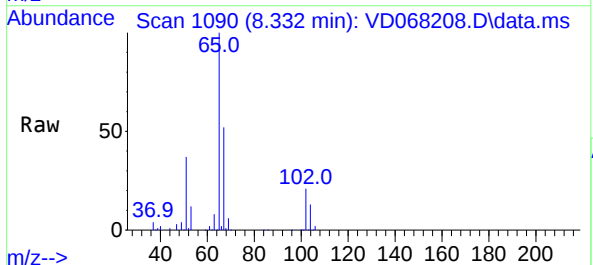
Instrument :  
MSVOA\_D  
ClientSampled :  
124055

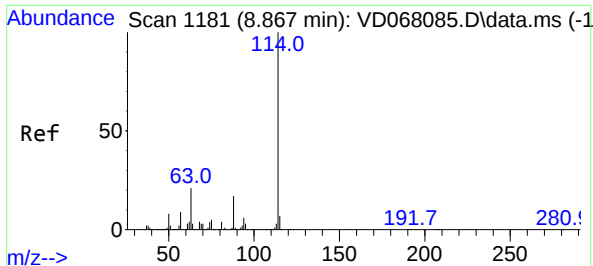
Tgt Ion:168 Resp: 479587  
Ion Ratio Lower Upper  
168 100  
99 57.8 43.5 65.3



#33  
1,2-Dichloroethane-d4  
Concen: 58.38 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD068208.D  
Acq: 27 Jan 2021 19:51

Tgt Ion: 65 Resp: 267847  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 105.0



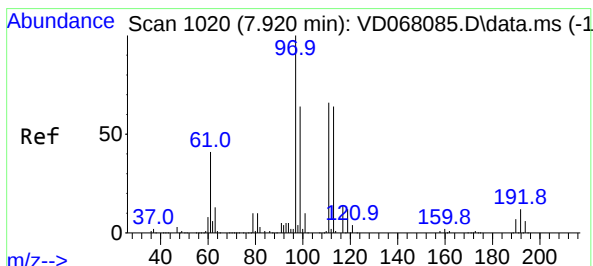
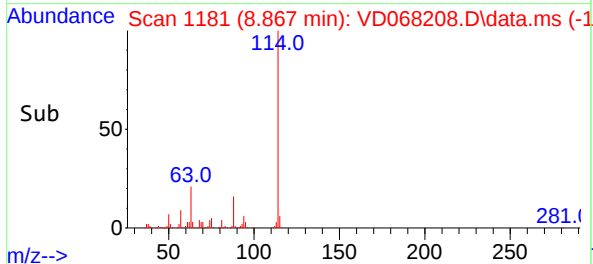
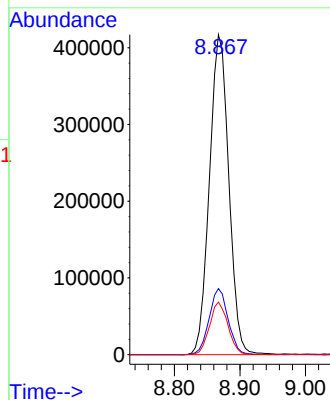
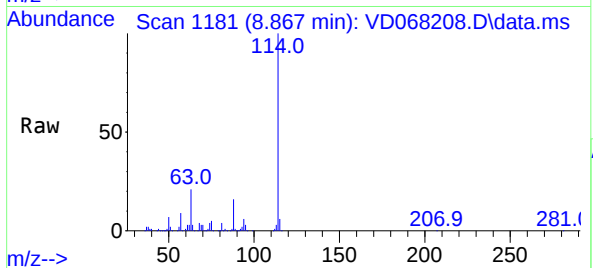


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068208.D  
Acq: 27 Jan 2021 19:51

Instrument :  
MSVOA\_D  
ClientSampled :  
124055

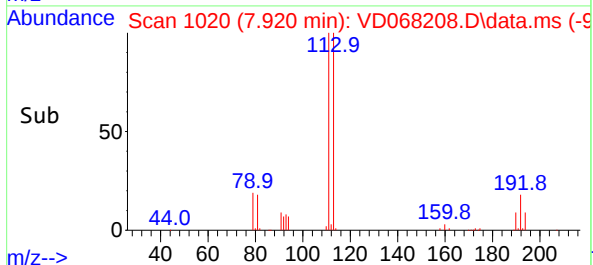
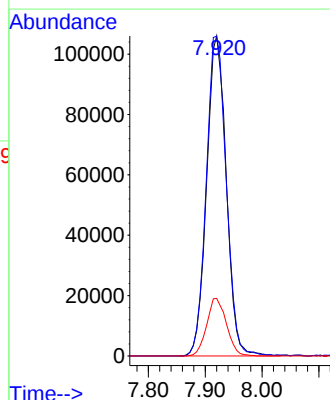
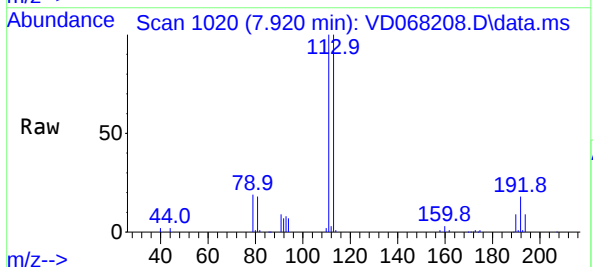
Tgt Ion:114 Resp: 856132  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 34.8  
88 16.5 0.0 31.6

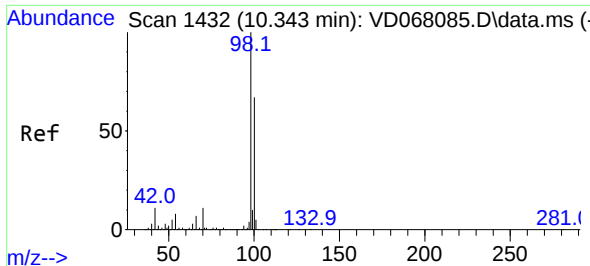


#35

Dibromofluoromethane  
Concen: 53.58 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068208.D  
Acq: 27 Jan 2021 19:51

Tgt Ion:113 Resp: 253621  
Ion Ratio Lower Upper  
113 100  
111 102.0 81.4 122.0  
192 18.1 16.1 24.1

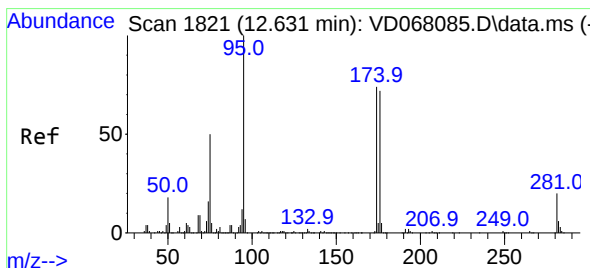
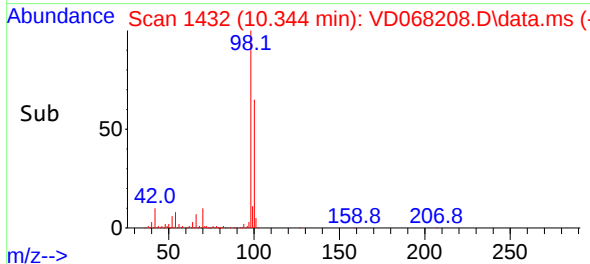
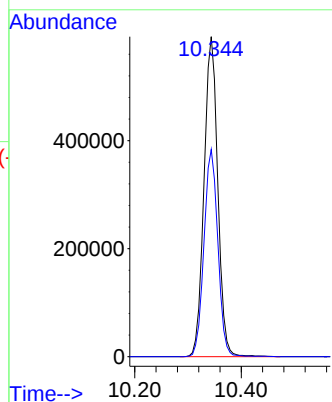
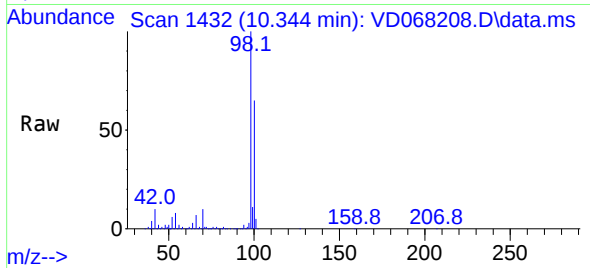




#50  
Toluene-d8  
Concen: 56.03 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068208.D  
Acq: 27 Jan 2021 19:51

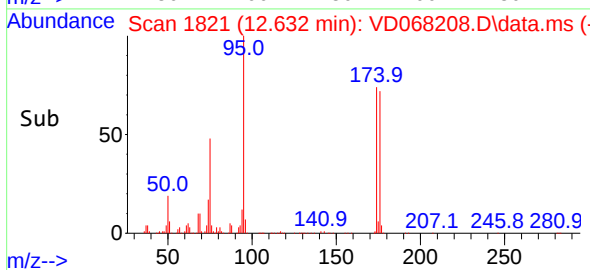
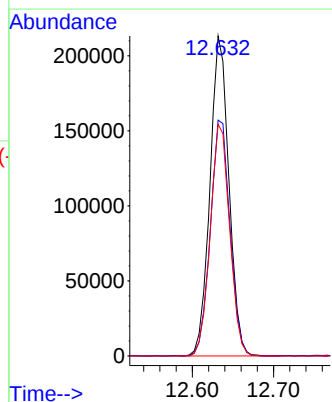
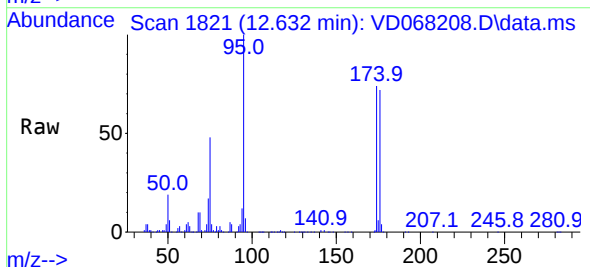
Instrument :  
MSVOA\_D  
ClientSampleId :  
124055

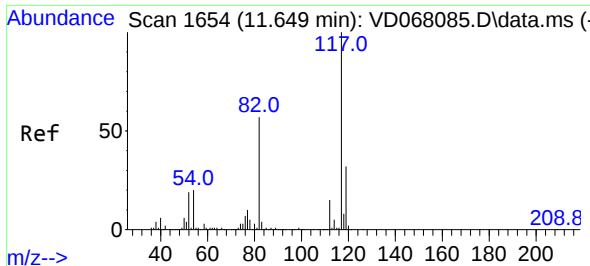
Tgt Ion: 98 Resp: 1060846  
Ion Ratio Lower Upper  
98 100  
100 65.3 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 50.60 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068208.D  
Acq: 27 Jan 2021 19:51

Tgt Ion: 95 Resp: 345009  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 172.4  
176 73.8 0.0 168.4

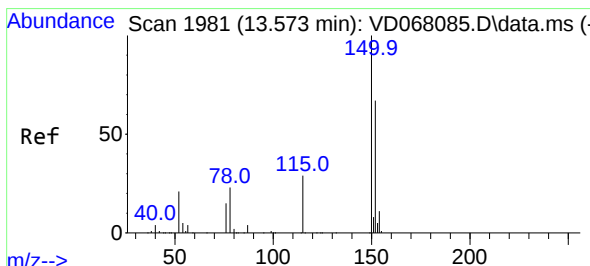
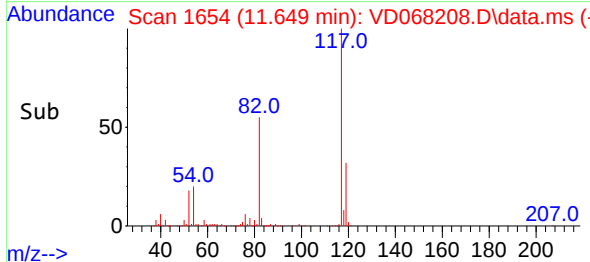
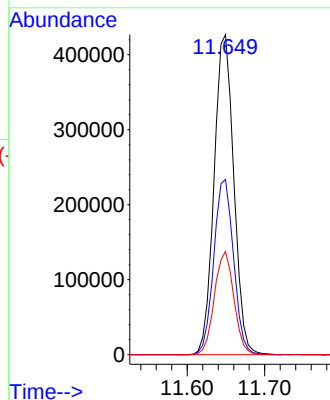
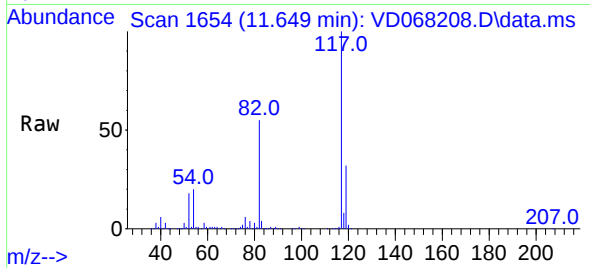




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.649 min Scan# 1654  
Delta R.T. 0.000 min  
Lab File: VD068208.D  
Acq: 27 Jan 2021 19:51

Instrument :  
MSVOA\_D  
ClientSampleId :  
124055

Tgt Ion:117 Resp: 755216  
Ion Ratio Lower Upper  
117 100  
82 54.8 41.4 62.0  
119 32.3 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: VD068208.D  
Acq: 27 Jan 2021 19:51

Tgt Ion:152 Resp: 332577  
Ion Ratio Lower Upper  
152 100  
115 59.8 28.9 86.8  
150 156.7 0.0 344.4

