

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092421\  
 Data File : VD070464.D  
 Acq On : 24 Sep 2021 19:36  
 Operator : VA/SY  
 Sample : M3908-05  
 Misc : 6.05G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUPLICATE-03

Quant Time: Sep 25 03:10:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 09 03:07:09 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 211825   | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 423038   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 418656   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 168617   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 175367   | 64.48    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 128.96%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 166683   | 55.35    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 110.70%  |
| 50) Toluene-d8              | 10.338 | 98    | 483182   | 44.19    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 88.38%   |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 157959   | 41.34    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 82.68%   |

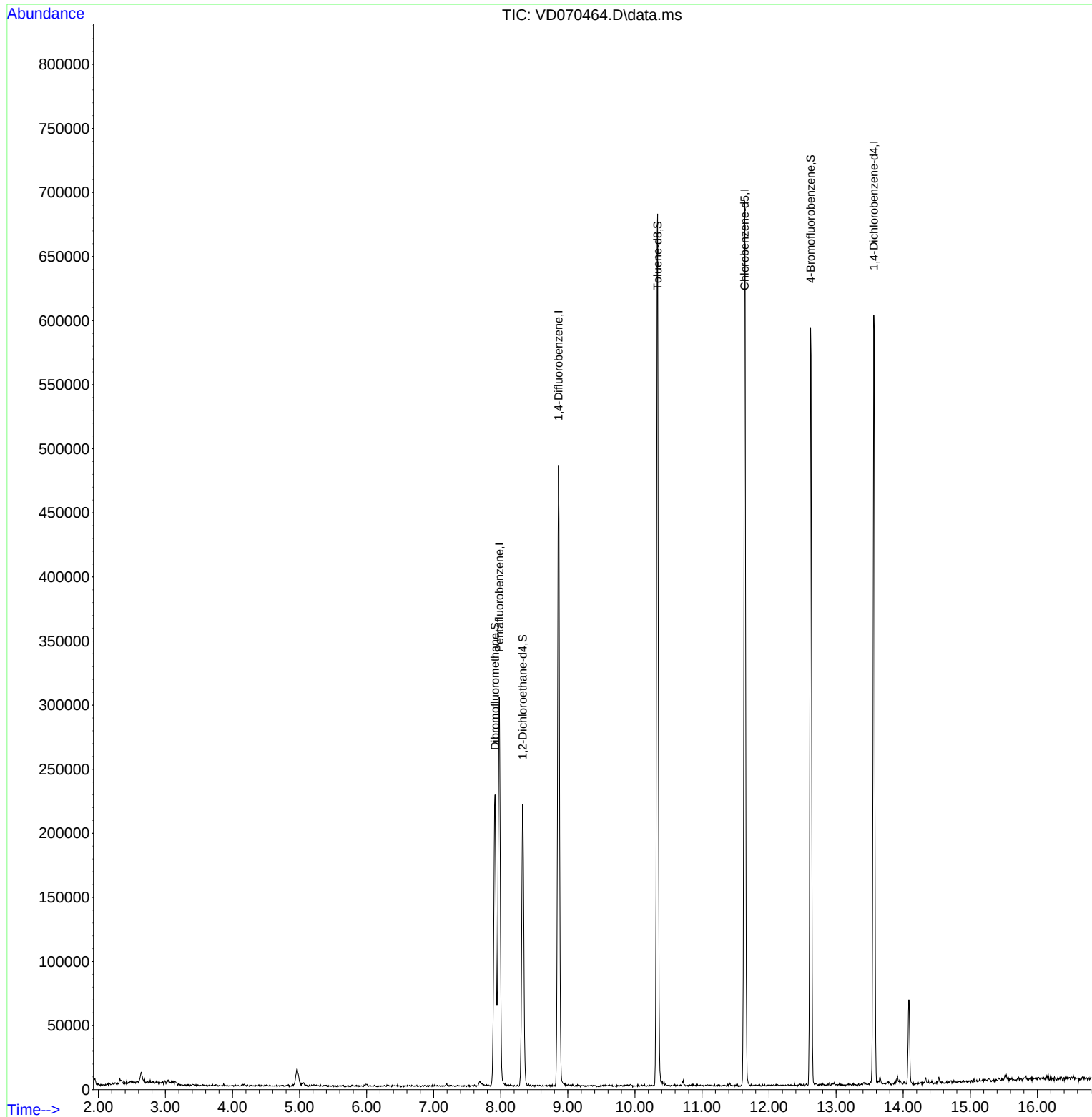
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

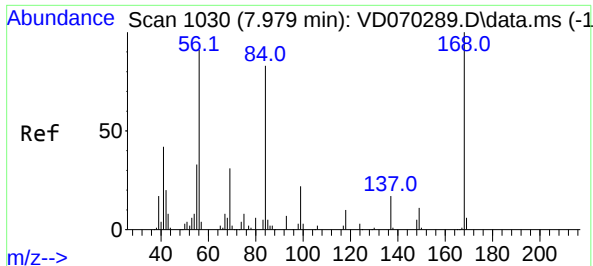
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
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Quant Title : SW846 8260  
QLast Update : Thu Sep 09 03:07:09 2021  
Response via : Initial Calibration

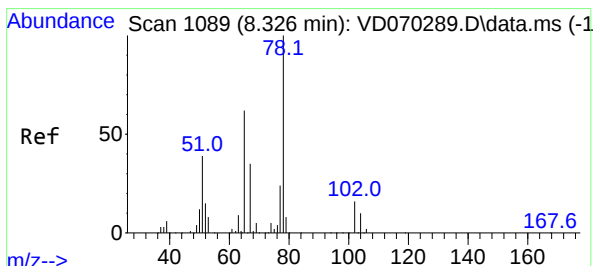
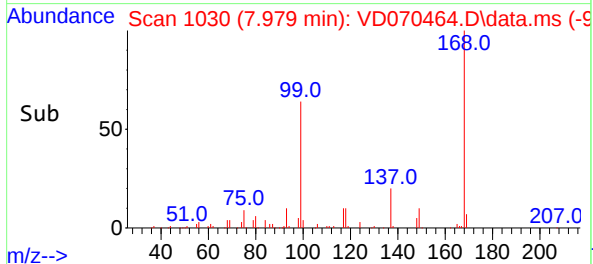
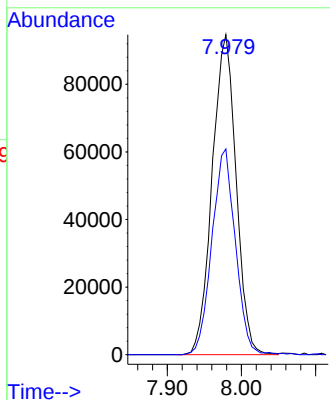
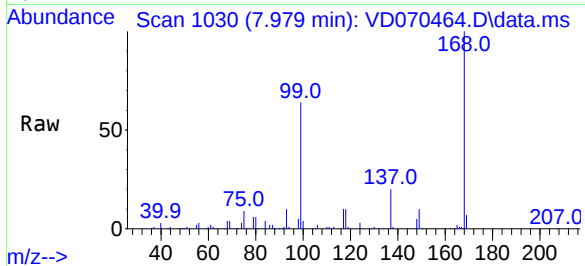




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD070464.D  
Acq: 24 Sep 2021 19:36

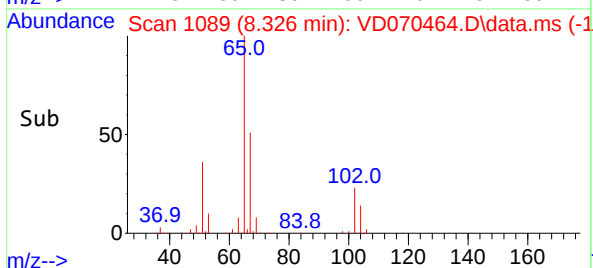
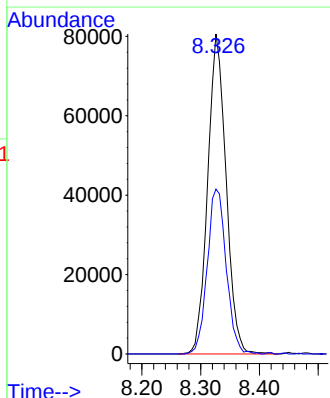
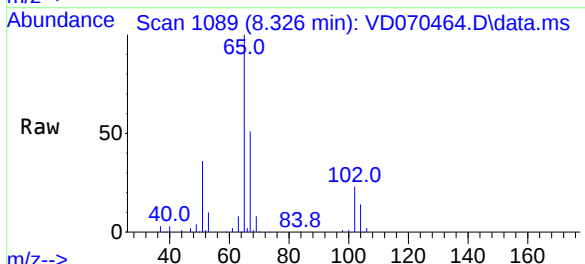
Instrument :  
MSVOA\_D  
ClientSampleId :  
DUPLICATE-03

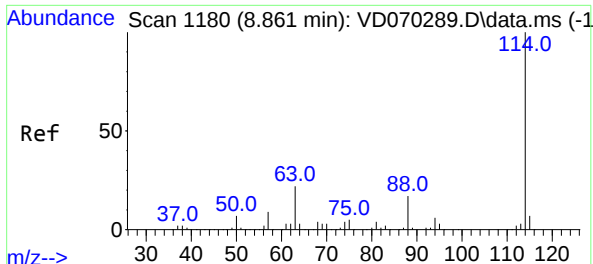
Tgt Ion:168 Resp: 211825  
Ion Ratio Lower Upper  
168 100  
99 64.3 50.8 76.2



#33  
1,2-Dichloroethane-d4  
Concen: 64.48 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD070464.D  
Acq: 24 Sep 2021 19:36

Tgt Ion: 65 Resp: 175367  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 111.4



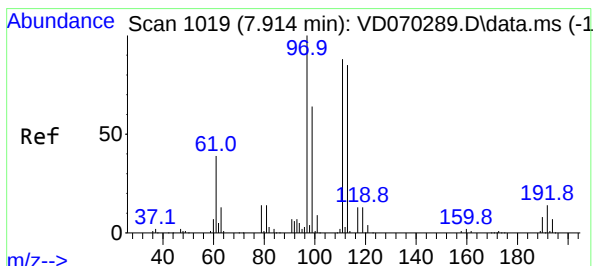
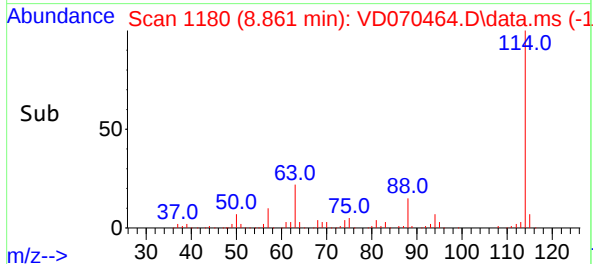
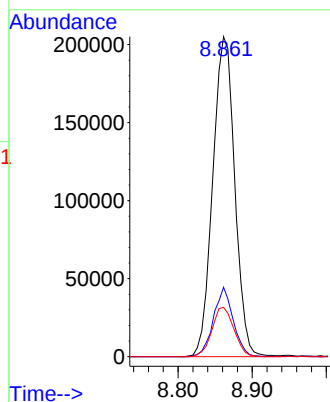
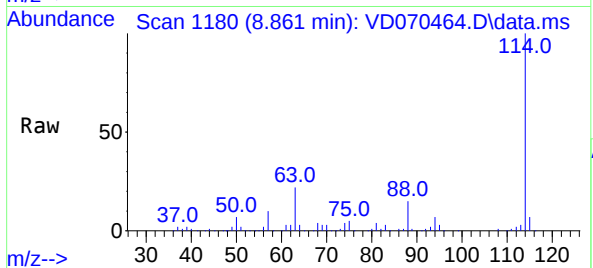


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070464.D  
Acq: 24 Sep 2021 19:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUPLICATE-03

Tgt Ion:114 Resp: 423038

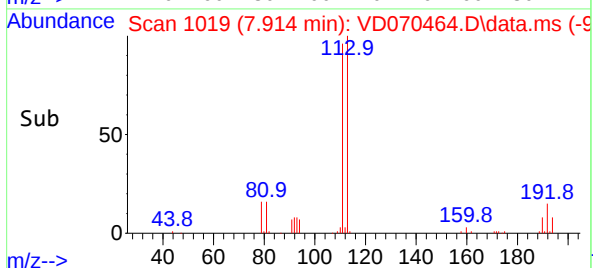
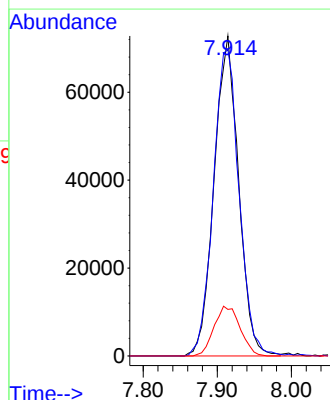
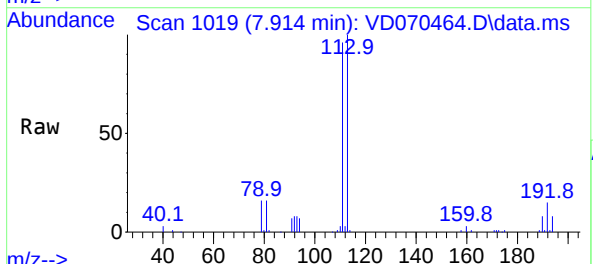
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 21.7  | 0.0   | 43.4  |
| 88  | 15.4  | 0.0   | 33.4  |

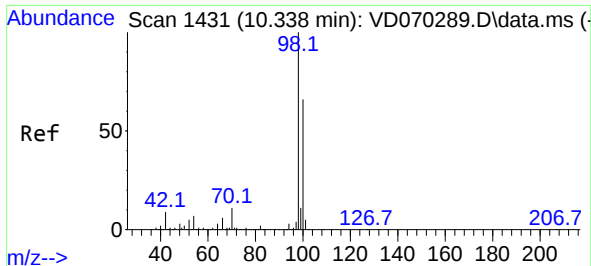


#35  
Dibromofluoromethane  
Concen: 55.35 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD070464.D  
Acq: 24 Sep 2021 19:36

Tgt Ion:113 Resp: 166683

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.5 | 81.4  | 122.2 |
| 192 | 16.6  | 13.0  | 19.6  |

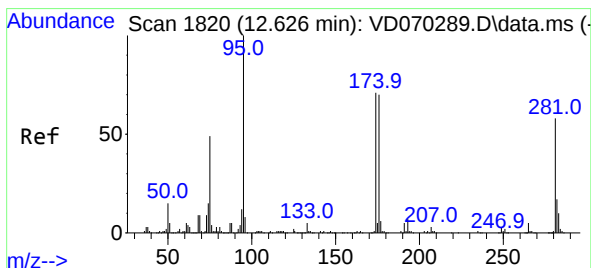
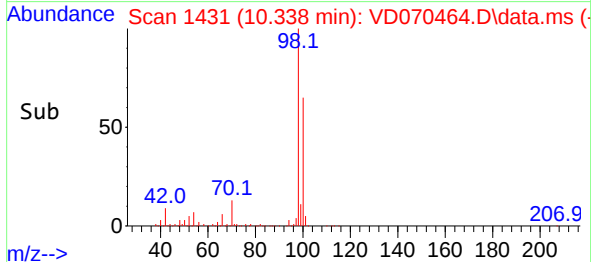
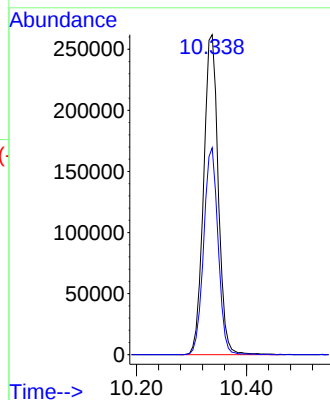
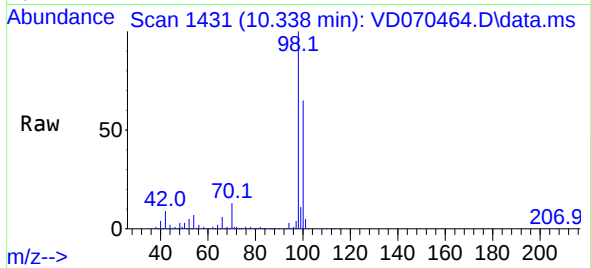




#50  
Toluene-d8  
Concen: 44.19 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD070464.D  
Acq: 24 Sep 2021 19:36

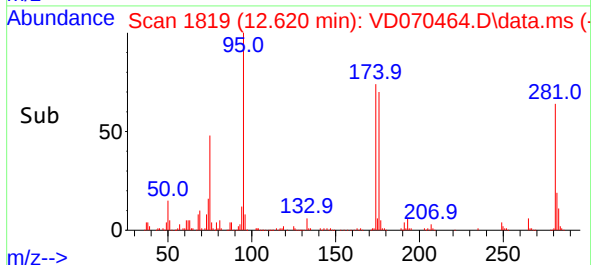
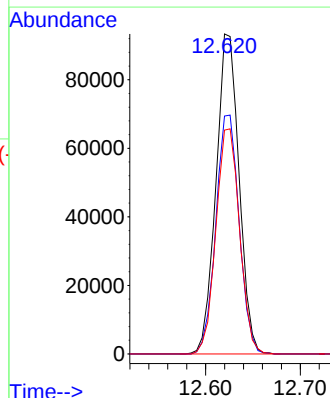
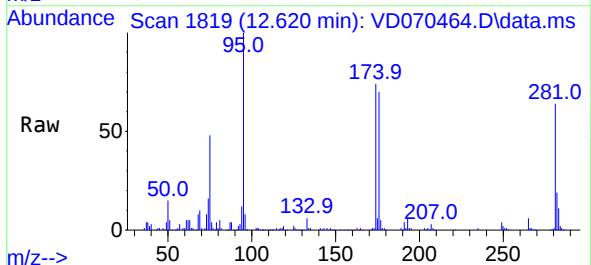
Instrument :  
MSVOA\_D  
ClientSampleId :  
DUPLICATE-03

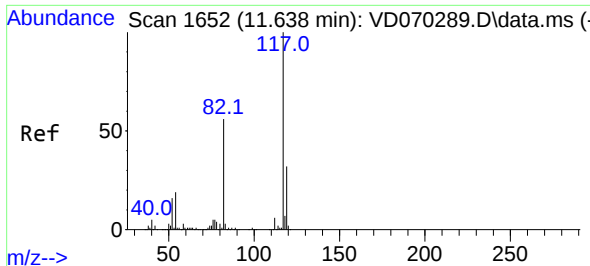
Tgt Ion: 98 Resp: 483182  
Ion Ratio Lower Upper  
98 100  
100 63.6 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 41.34 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD070464.D  
Acq: 24 Sep 2021 19:36

Tgt Ion: 95 Resp: 157959  
Ion Ratio Lower Upper  
95 100  
174 75.3 0.0 140.6  
176 72.0 0.0 137.4

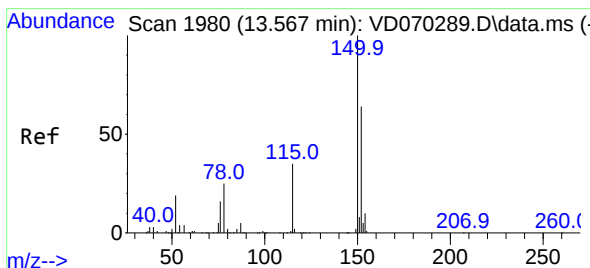
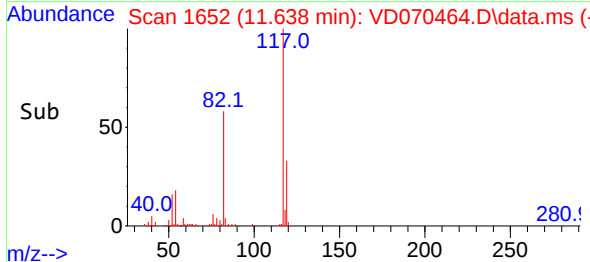
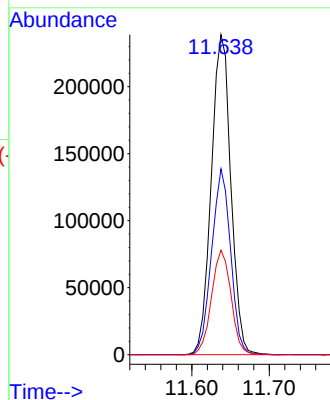
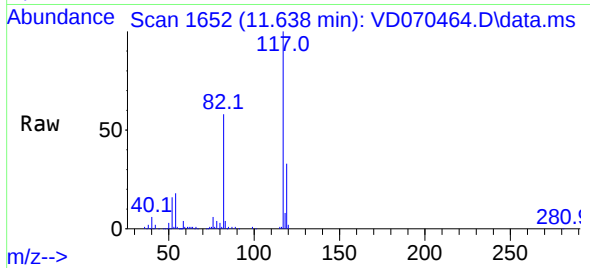




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070464.D  
Acq: 24 Sep 2021 19:36

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MSVOA\_D  
ClientSampleId :  
DUPLICATE-03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 418656 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 58.0  | 45.0  | 67.4   |
| 119      | 32.6  | 25.2  | 37.8   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD070464.D  
Acq: 24 Sep 2021 19:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 168617 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 60.3  | 32.1  | 96.3   |
| 150      | 158.9 | 0.0   | 350.6  |

