

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080921\  
 Data File : VD070014.D  
 Acq On : 09 Aug 2021 23:40  
 Operator : VA/SY  
 Sample : M3328-01  
 Misc : 9.11G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 20210457-43

Quant Time: Aug 10 07:09:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 04:51:13 2021  
 Response via : Initial Calibration

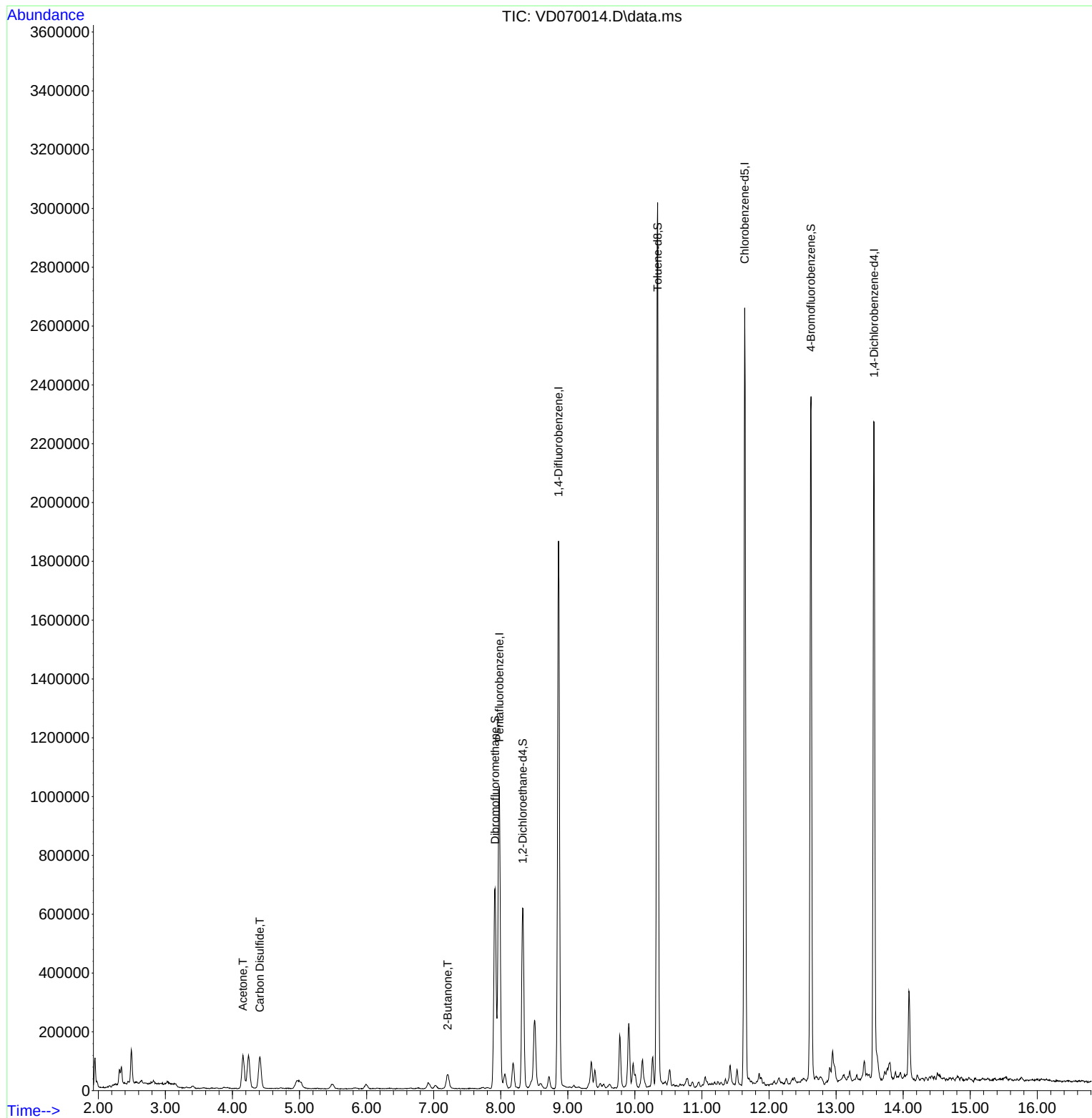
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 729881   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 1613506  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 1516133  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 618130   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 505160   | 60.179   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 120.360% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 516204   | 50.750   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 101.500% |
| 50) Toluene-d8              | 10.338 | 98    | 2095891  | 53.438   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 106.880% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 685550   | 52.301   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 104.600% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.156  | 43    | 190929   | 125.910  | ug/l   | 93       |
| 17) Carbon Disulfide        | 4.409  | 76    | 241175   | 8.077    | ug/l   | 98       |
| 25) 2-Butanone              | 7.208  | 43    | 63129    | 30.699   | ug/l   | 92       |
| -----                       |        |       |          |          |        |          |

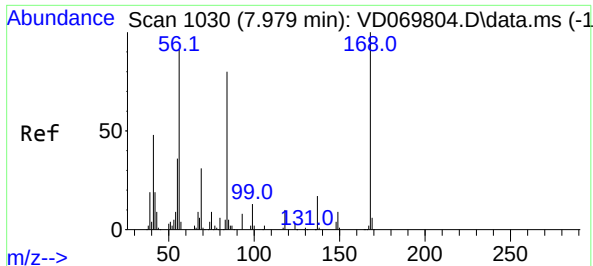
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 04:51:13 2021  
Response via : Initial Calibration

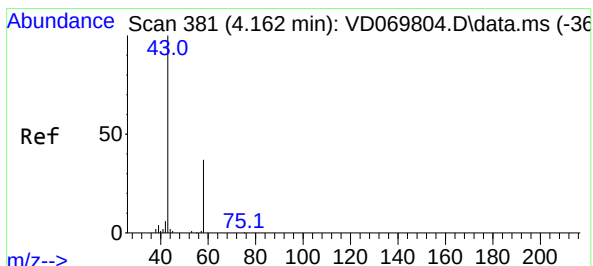
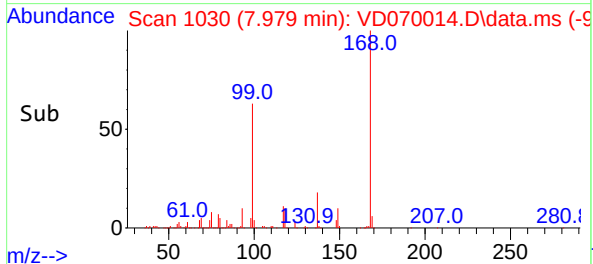
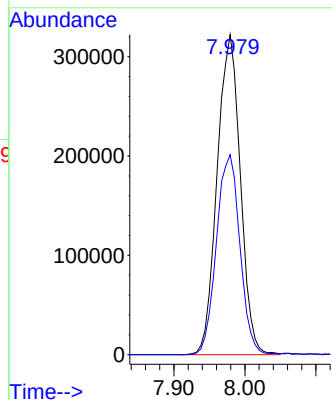
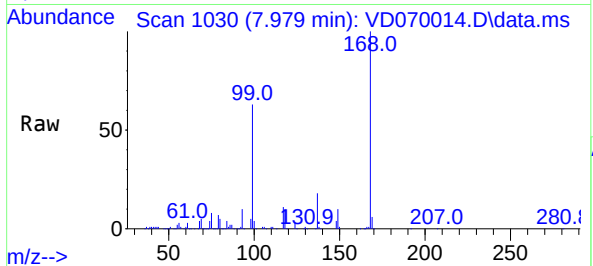




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD070014.D  
Acq: 09 Aug 2021 23:40

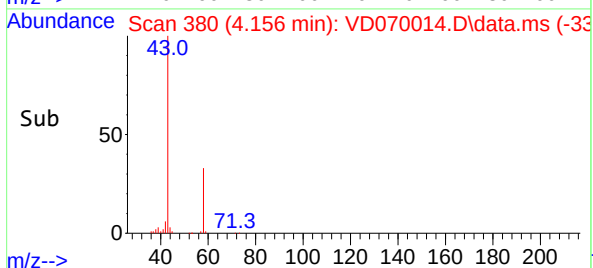
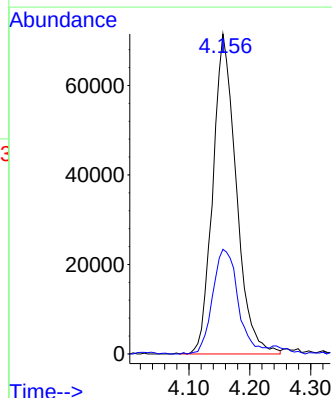
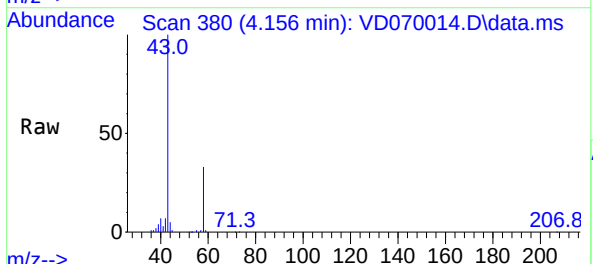
Instrument :  
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ClientSampleId :  
20210457-43

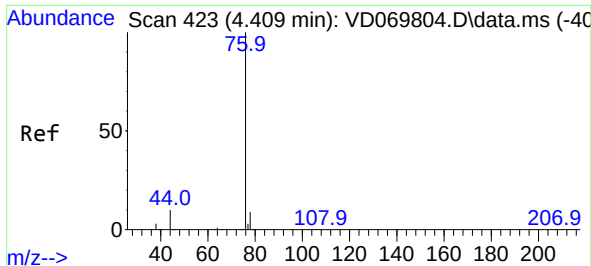
Tgt Ion:168 Resp: 729881  
Ion Ratio Lower Upper  
168 100  
99 62.5 51.1 76.7



#16  
Acetone  
Concen: 125.910 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.006 min  
Lab File: VD070014.D  
Acq: 09 Aug 2021 23:40

Tgt Ion: 43 Resp: 190929  
Ion Ratio Lower Upper  
43 100  
58 32.7 29.4 44.0

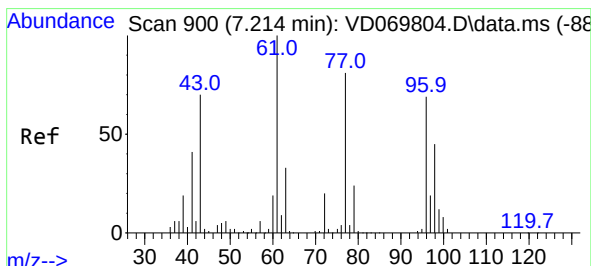
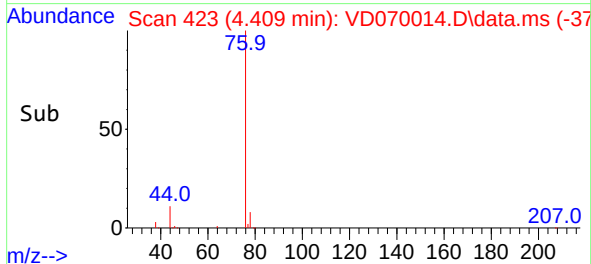
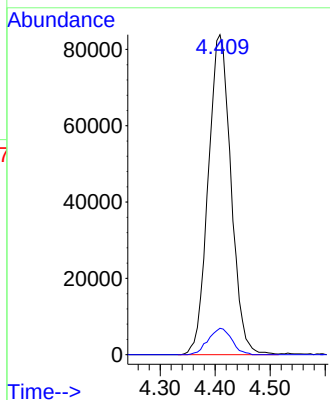
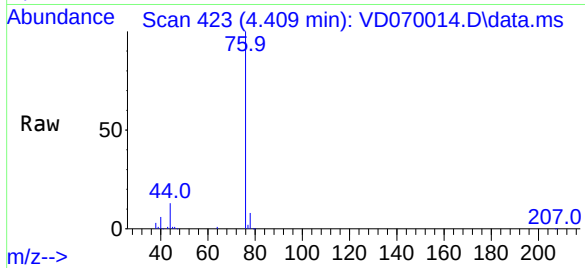




#17  
Carbon Disulfide  
Concen: 8.077 ug/l  
RT: 4.409 min Scan# 423  
Delta R.T. -0.000 min  
Lab File: VD070014.D  
Acq: 09 Aug 2021 23:40

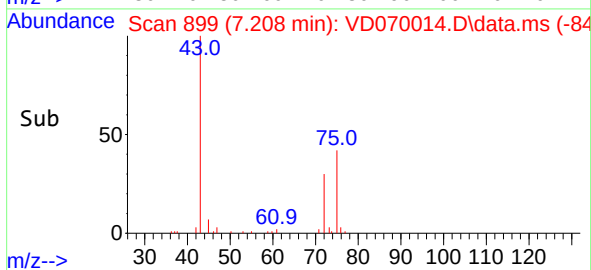
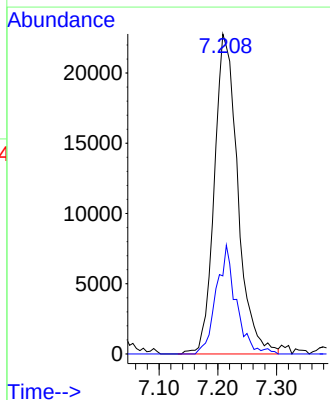
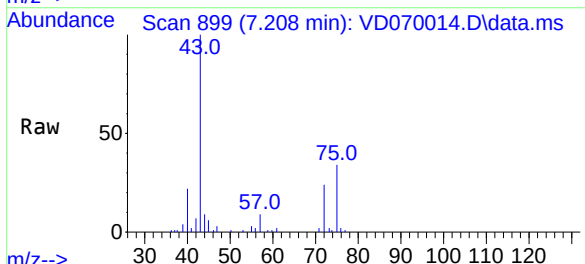
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MSVOA\_D  
ClientSampleId :  
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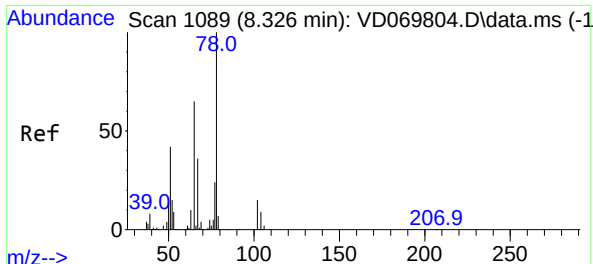
Tgt Ion: 76 Resp: 241175  
Ion Ratio Lower Upper  
76 100  
78 8.2 7.3 10.9



#25  
2-Butanone  
Concen: 30.699 ug/l  
RT: 7.208 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: VD070014.D  
Acq: 09 Aug 2021 23:40

Tgt Ion: 43 Resp: 63129  
Ion Ratio Lower Upper  
43 100  
72 24.4 22.8 34.2

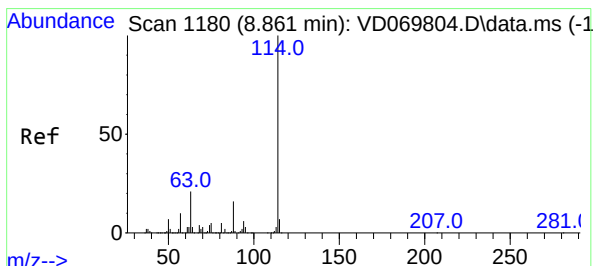
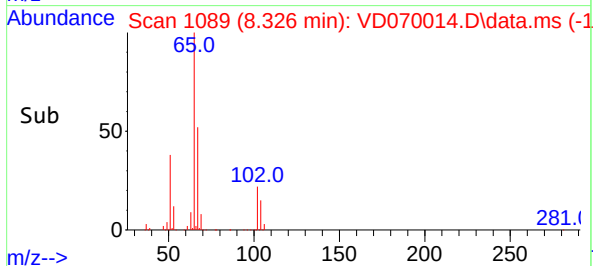
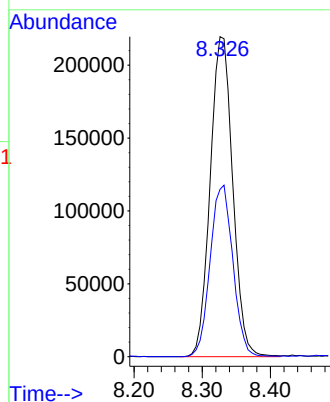
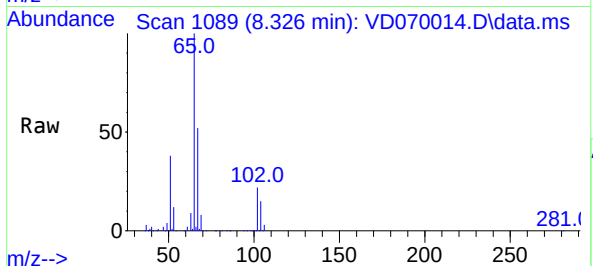




#33  
1,2-Dichloroethane-d4  
Concen: 60.179 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD070014.D  
Acq: 09 Aug 2021 23:40

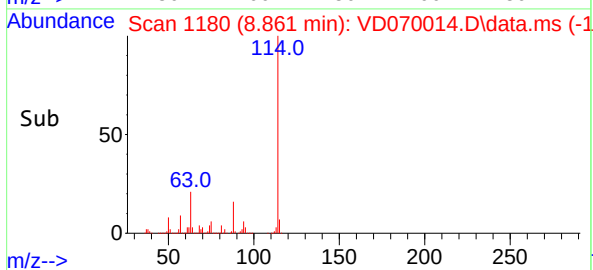
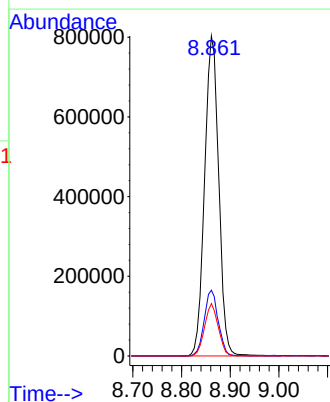
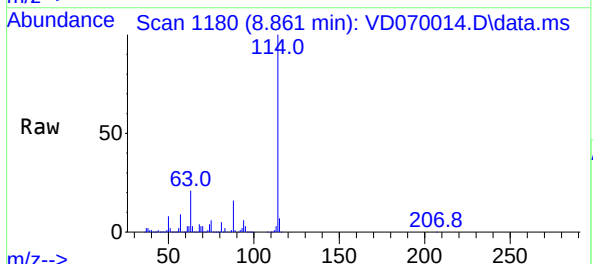
Instrument :  
MSVOA\_D  
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20210457-43

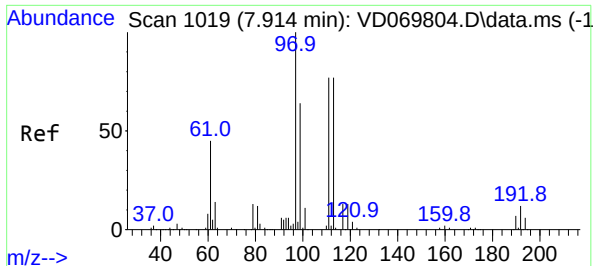
Tgt Ion: 65 Resp: 505160  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 111.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD070014.D  
Acq: 09 Aug 2021 23:40

Tgt Ion:114 Resp: 1613506  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 41.6  
88 16.3 0.0 31.4



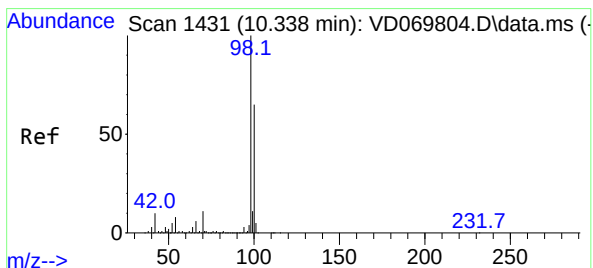
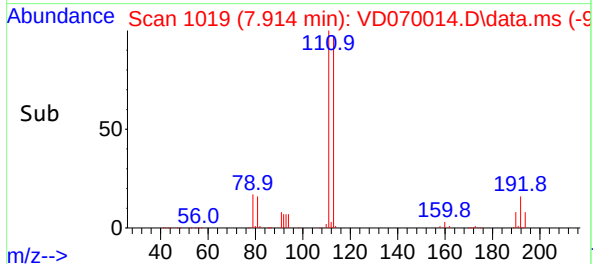
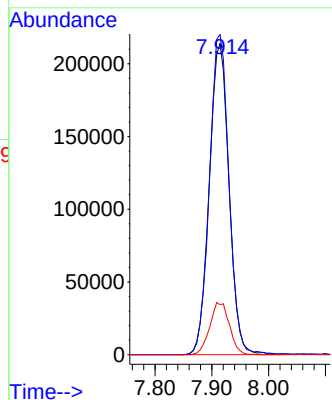
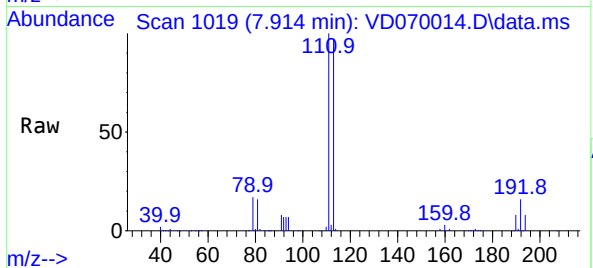


#35

Dibromofluoromethane  
Concen: 50.750 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD070014.D  
Acq: 09 Aug 2021 23:40

Instrument :  
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ClientSampleId :  
20210457-43

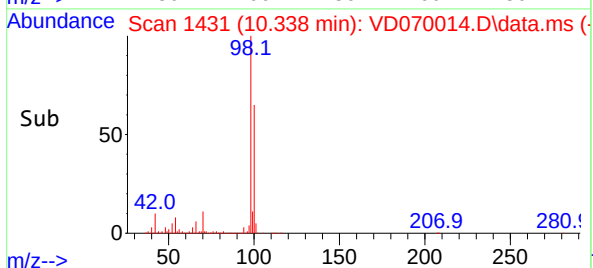
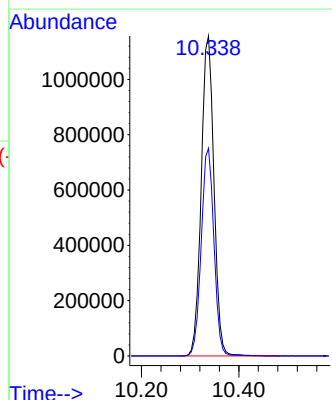
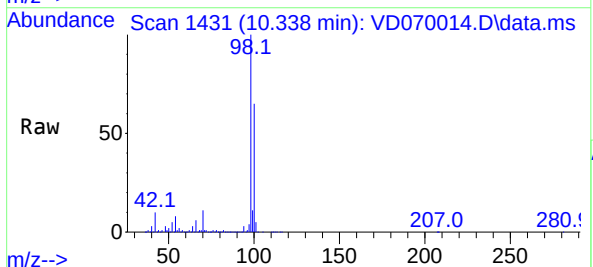
Tgt Ion:113 Resp: 516204  
Ion Ratio Lower Upper  
113 100  
111 102.0 80.5 120.7  
192 16.7 12.6 19.0

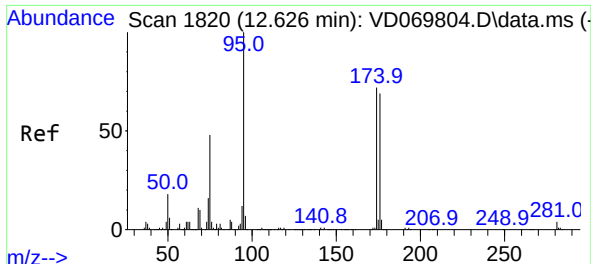


#50

Toluene-d8  
Concen: 53.438 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD070014.D  
Acq: 09 Aug 2021 23:40

Tgt Ion: 98 Resp: 2095891  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.9 77.9

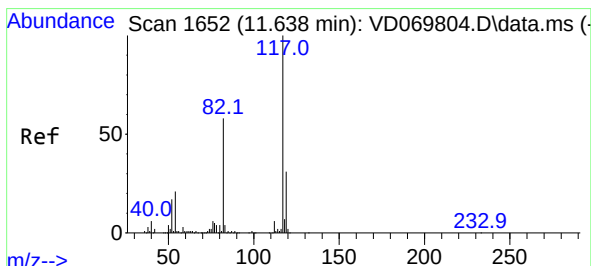
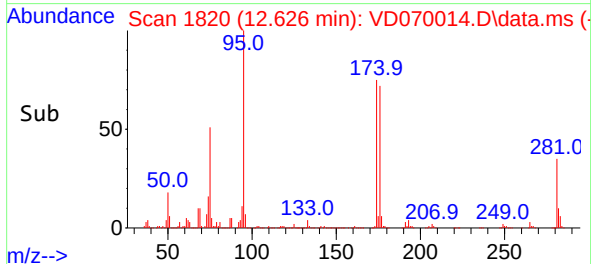
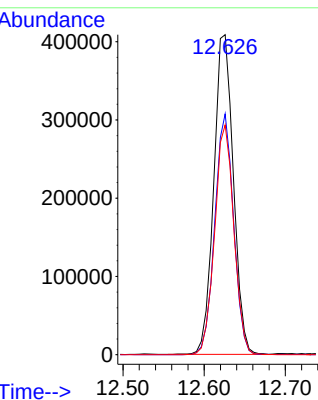
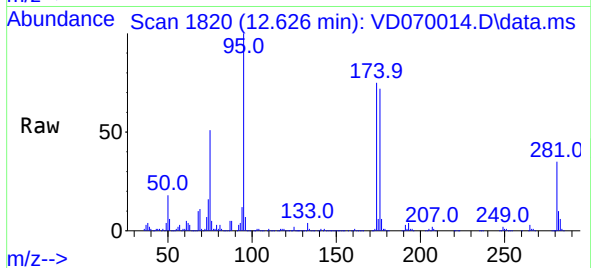




#62  
4-Bromofluorobenzene  
Concen: 52.301 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD070014.D  
Acq: 09 Aug 2021 23:40

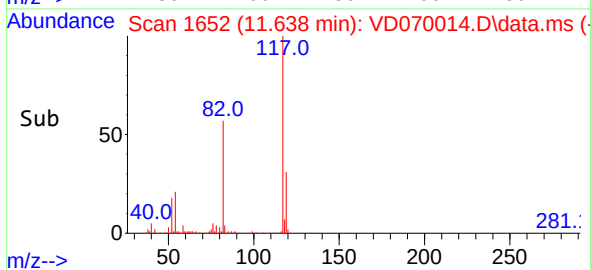
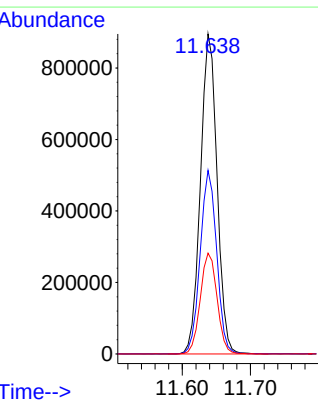
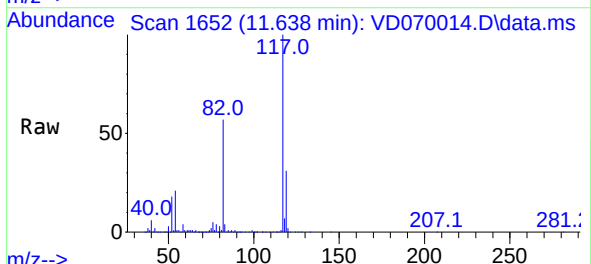
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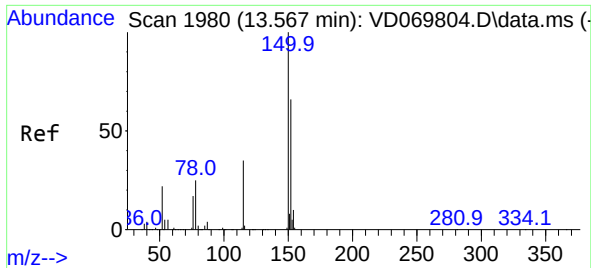
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 685550 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 72.4  | 0.0   | 142.6  |
| 176      | 70.3  | 0.0   | 134.2  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070014.D  
Acq: 09 Aug 2021 23:40

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 117   | Resp: | 1516133 |
| Ion      | Ratio | Lower | Upper   |
| 117      | 100   |       |         |
| 82       | 57.3  | 46.3  | 69.5    |
| 119      | 31.5  | 24.7  | 37.1    |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.567 min Scan# 1980  
 Delta R.T. -0.000 min  
 Lab File: VD070014.D  
 Acq: 09 Aug 2021 23:40

Instrument :  
 MSVOA\_D  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 618130 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 62.4  | 31.1  | 93.3   |
| 150      | 156.7 | 0.0   | 343.0  |

