

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092421\  
 Data File : VD070453.D  
 Acq On : 24 Sep 2021 14:28  
 Operator : VA/SY  
 Sample : M3920-03  
 Misc : 7.51G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 S-839-R-SO-4-4.5-092321

Quant Time: Sep 25 03:08:29 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

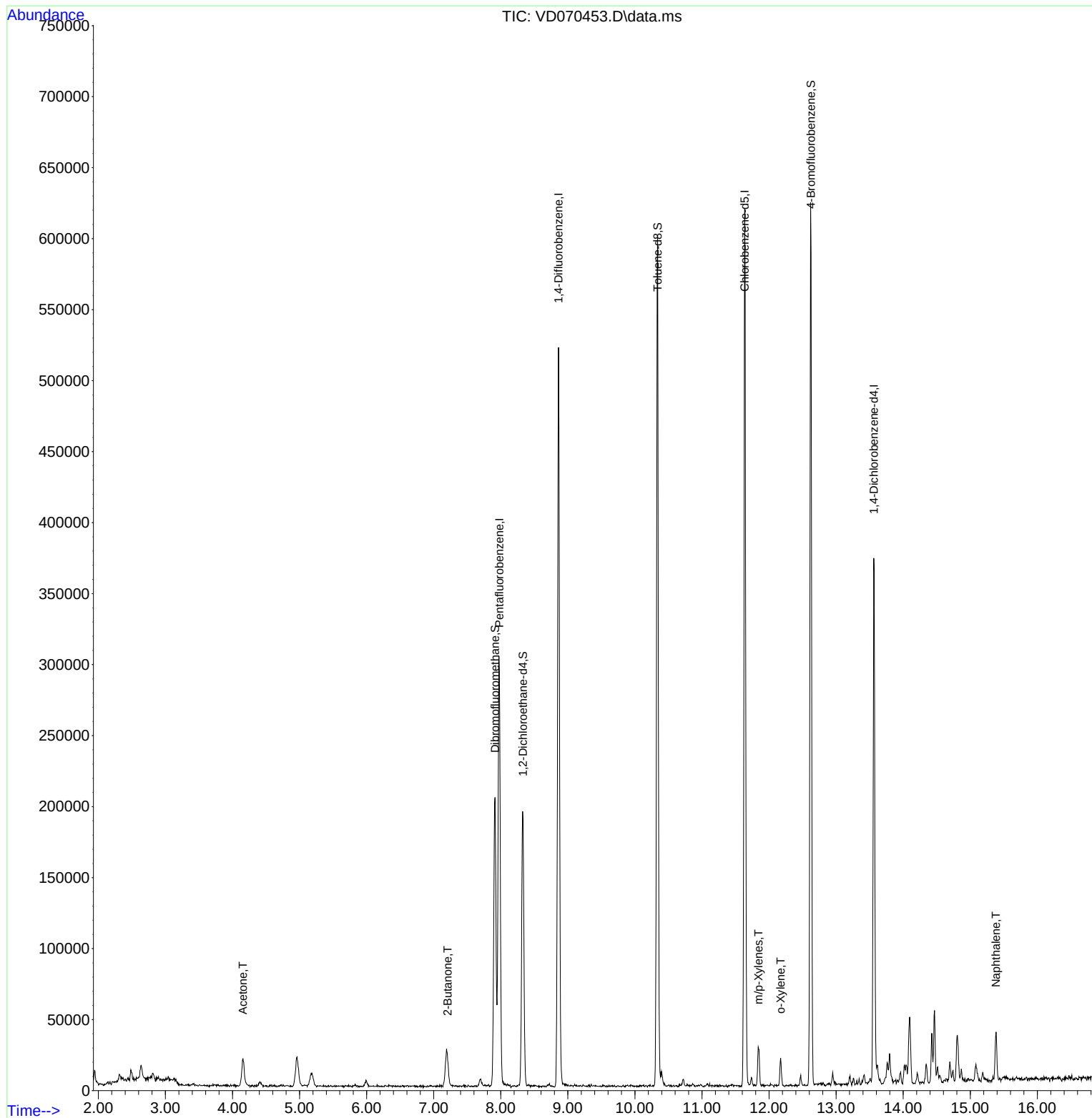
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 216104   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 437323   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 373709   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 99367    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 158937   | 57.28    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 114.56%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 153733   | 49.39    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 98.78%   |
| 50) Toluene-d8              | 10.338 | 98    | 420612   | 37.21    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 74.42%   |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 112872   | 28.58    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 57.16%   |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.156  | 43    | 31863    | 64.32    | ug/l   | 97       |
| 25) 2-Butanone              | 7.208  | 43    | 7586     | 11.50    | ug/l   | 97       |
| 68) m/p-Xylenes             | 11.843 | 106   | 9604     | 1.86     | ug/l   | 89       |
| 69) o-Xylene                | 12.173 | 106   | 5310     | 1.15     | ug/l   | 89       |
| 95) Naphthalene             | 15.384 | 128   | 31233    | 10.78    | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

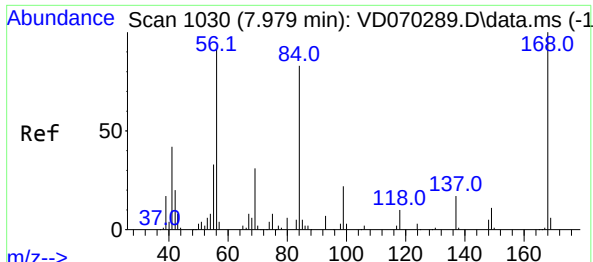
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092421\  
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Sample : M3920-03  
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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S-839-R-SO-4-4.5-092321

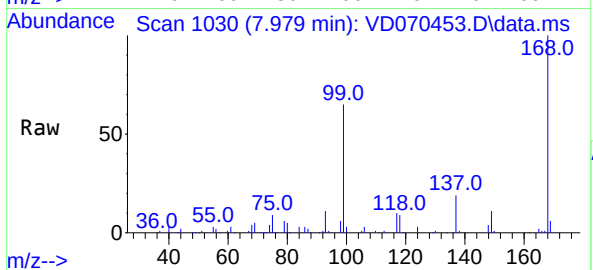
Quant Time: Sep 25 03:08:29 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 09 03:07:09 2021  
Response via : Initial Calibration



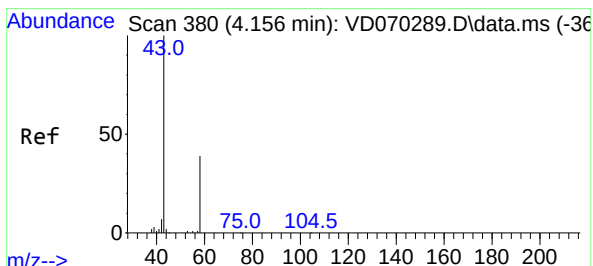
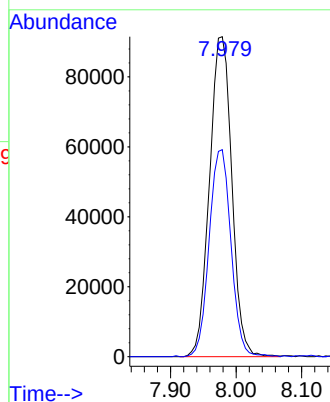
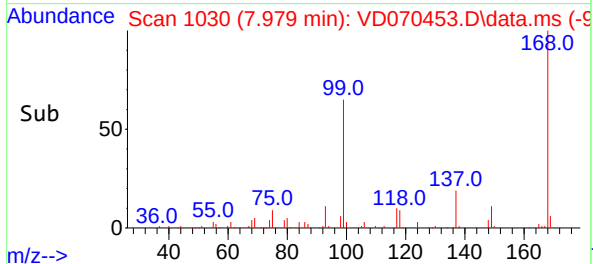


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD070453.D  
Acq: 24 Sep 2021 14:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
S-839-R-SO-4-4.5-092321

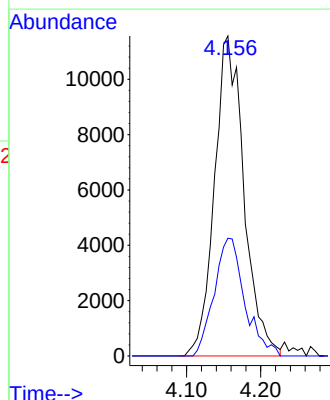
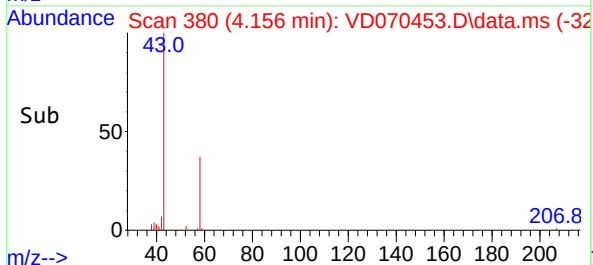
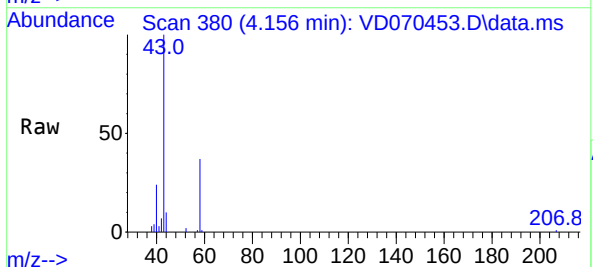


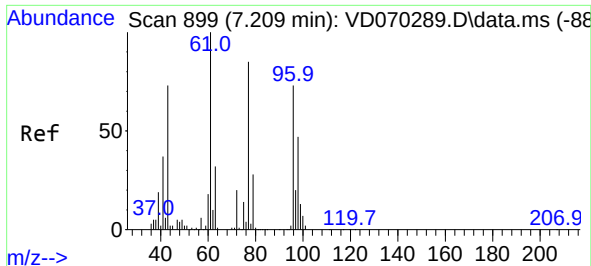
Tgt Ion:168 Resp: 216104  
Ion Ratio Lower Upper  
168 100  
99 64.7 50.8 76.2



#16  
Acetone  
Concen: 64.32 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VD070453.D  
Acq: 24 Sep 2021 14:28

Tgt Ion: 43 Resp: 31863  
Ion Ratio Lower Upper  
43 100  
58 36.8 30.9 46.3

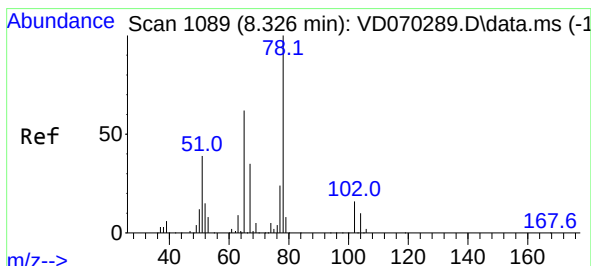
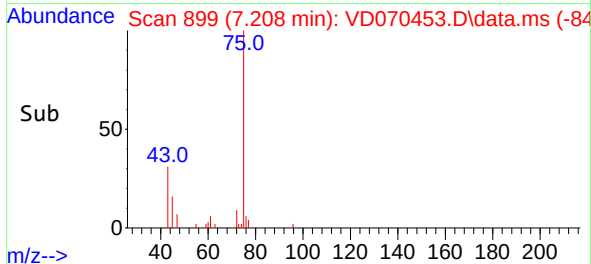
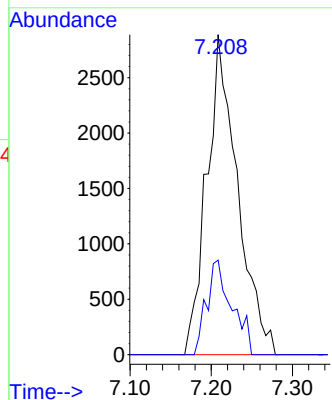
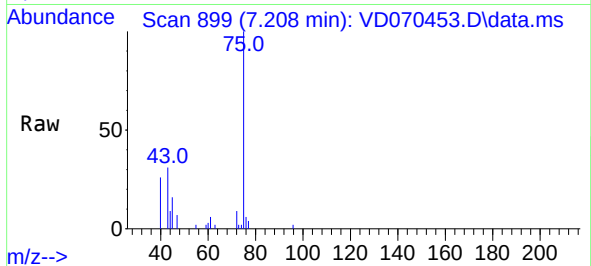




#25  
2-Butanone  
Concen: 11.50 ug/l  
RT: 7.208 min Scan# 899  
Delta R.T. -0.000 min  
Lab File: VD070453.D  
Acq: 24 Sep 2021 14:28

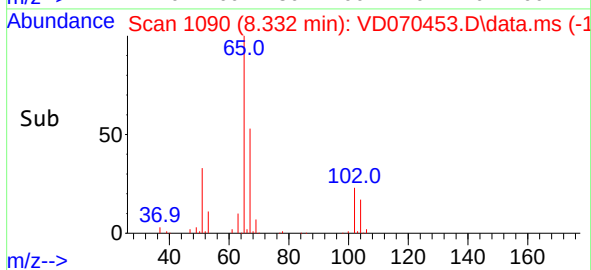
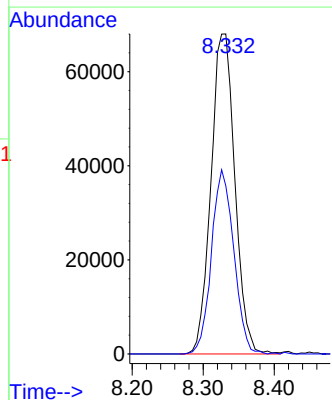
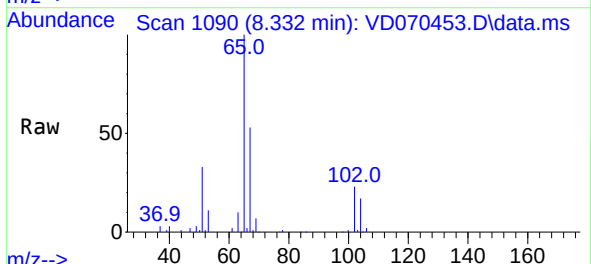
Instrument :  
MSVOA\_D  
ClientSampleId :  
S-839-R-SO-4-4.5-092321

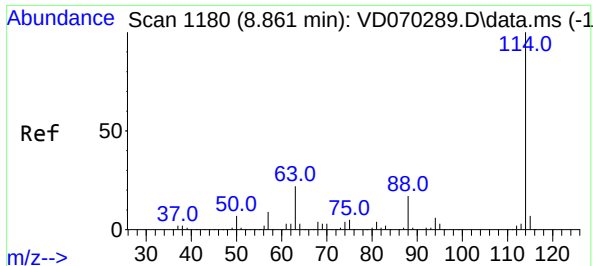
Tgt Ion: 43 Resp: 7586  
Ion Ratio Lower Upper  
43 100  
72 29.5 22.2 33.4



#33  
1,2-Dichloroethane-d4  
Concen: 57.28 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VD070453.D  
Acq: 24 Sep 2021 14:28

Tgt Ion: 65 Resp: 158937  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 111.4



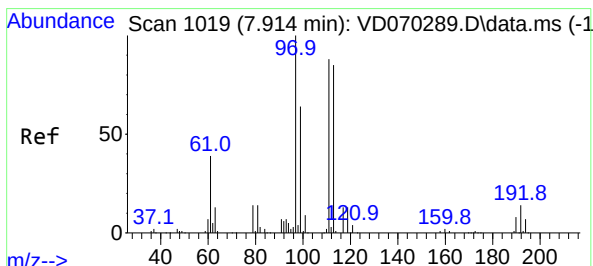
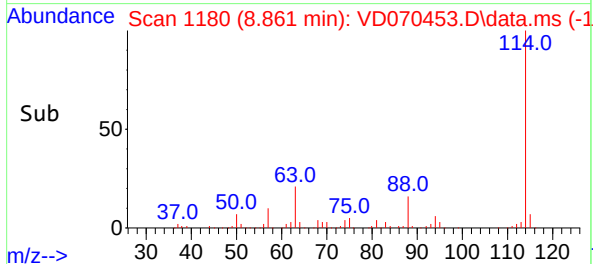
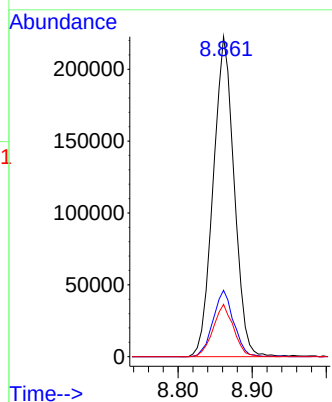
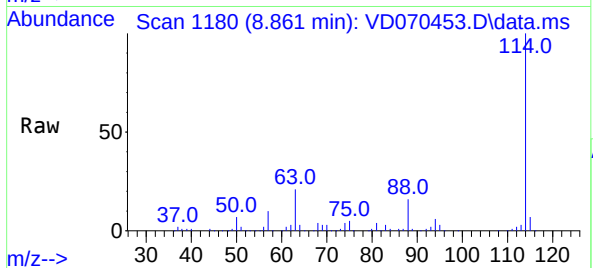


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070453.D  
Acq: 24 Sep 2021 14:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
S-839-R-SO-4-4.5-092321

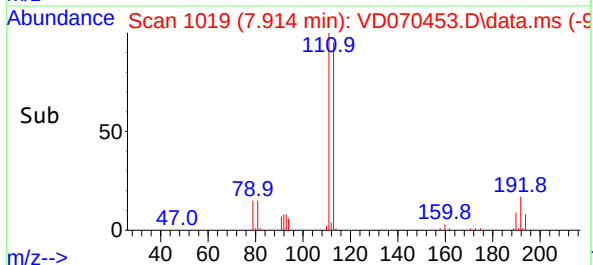
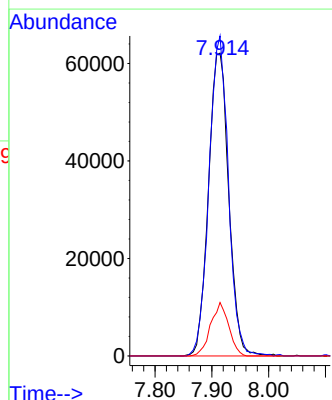
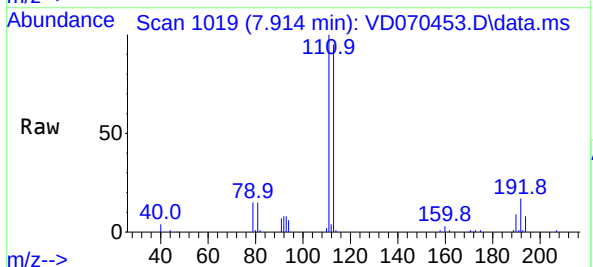
Tgt Ion:114 Resp: 437323  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 43.4  
88 16.4 0.0 33.4

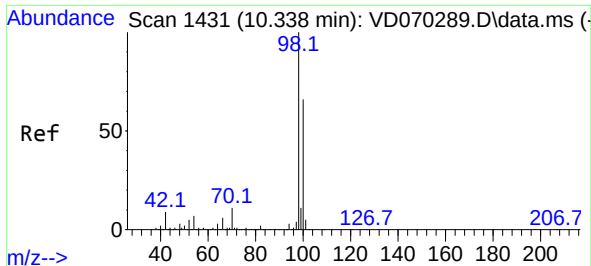


#35

Dibromofluoromethane  
Concen: 49.39 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD070453.D  
Acq: 24 Sep 2021 14:28

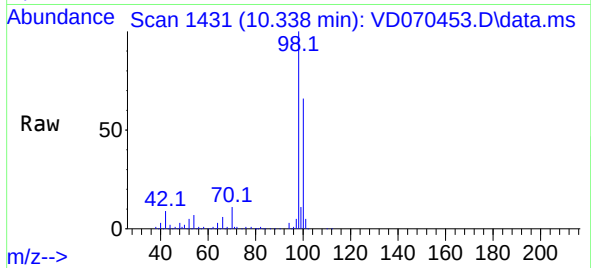
Tgt Ion:113 Resp: 153733  
Ion Ratio Lower Upper  
113 100  
111 101.1 81.4 122.2  
192 15.8 13.0 19.6



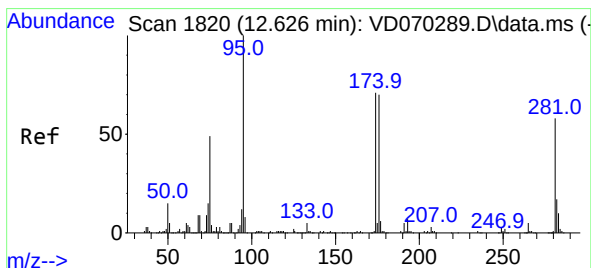
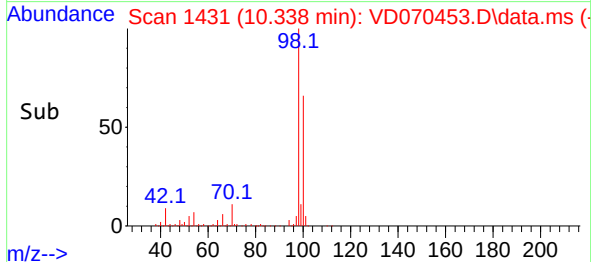
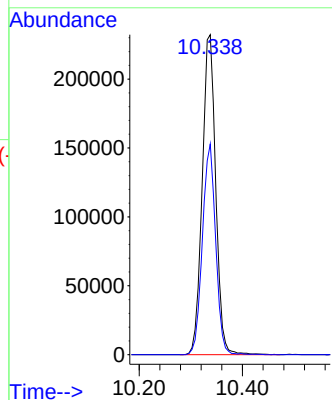


#50  
Toluene-d8  
Concen: 37.21 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD070453.D  
Acq: 24 Sep 2021 14:28

Instrument :  
MSVOA\_D  
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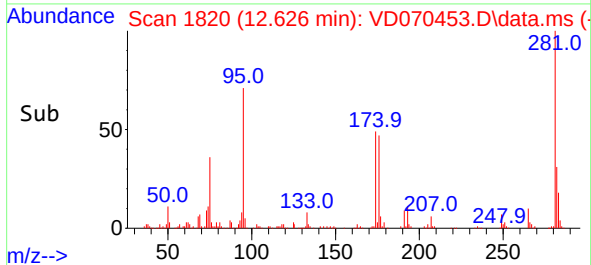
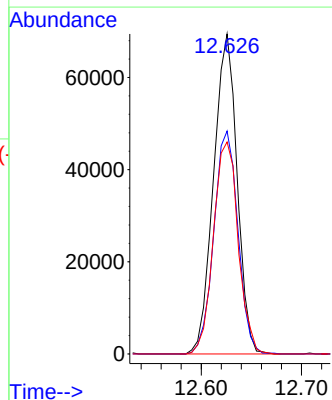
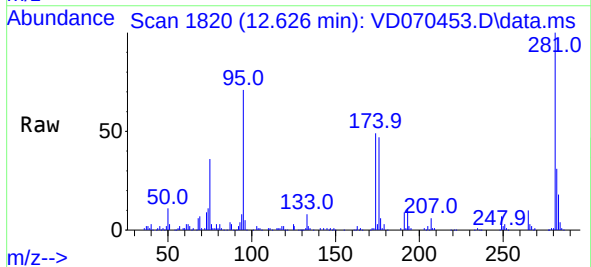


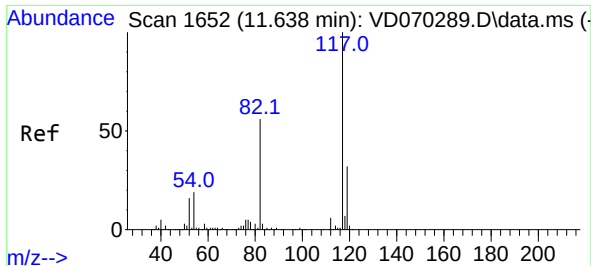
Tgt Ion: 98 Resp: 420612  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 28.58 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD070453.D  
Acq: 24 Sep 2021 14:28

Tgt Ion: 95 Resp: 112872  
Ion Ratio Lower Upper  
95 100  
174 71.3 0.0 140.6  
176 69.8 0.0 137.4

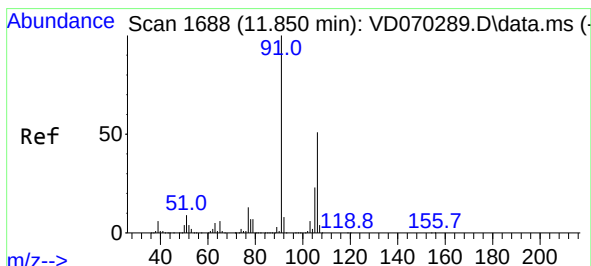
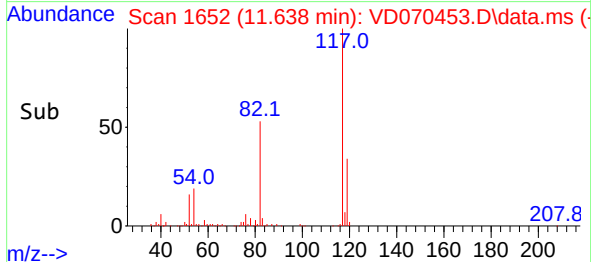
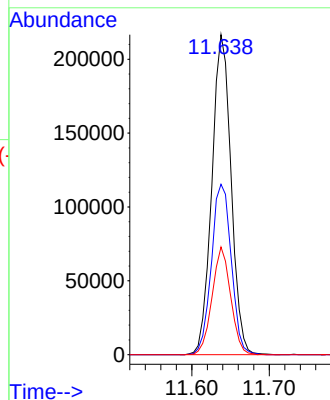
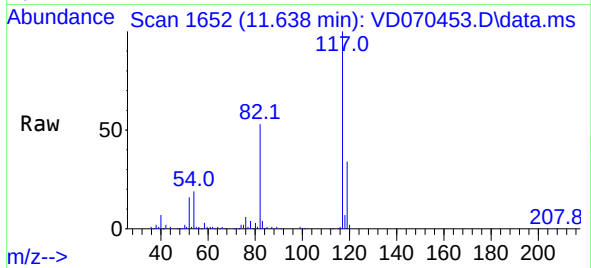




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070453.D  
Acq: 24 Sep 2021 14:28

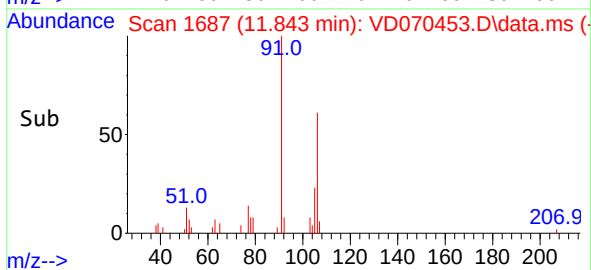
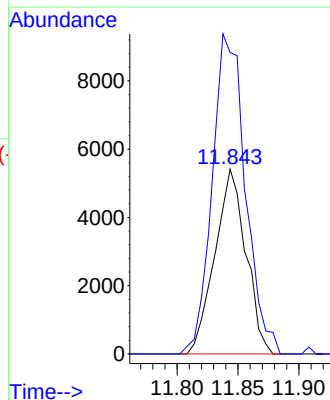
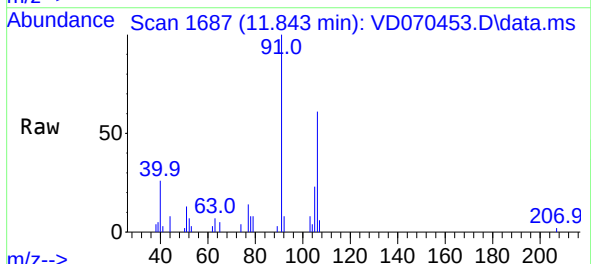
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MSVOA\_D  
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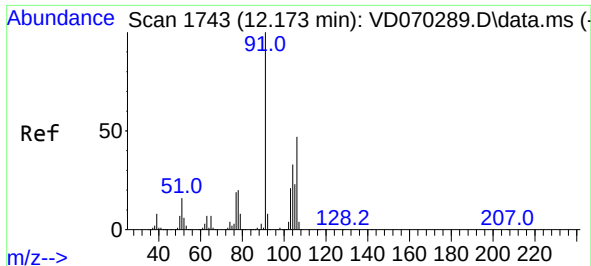
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 373709 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 53.2  | 45.0  | 67.4   |
| 119      | 33.7  | 25.2  | 37.8   |



#68  
m/p-Xylenes  
Concen: 1.86 ug/l  
RT: 11.843 min Scan# 1687  
Delta R.T. -0.006 min  
Lab File: VD070453.D  
Acq: 24 Sep 2021 14:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 106   | Resp: | 9604  |
| Ion      | Ratio | Lower | Upper |
| 106      | 100   |       |       |
| 91       | 185.1 | 161.2 | 241.8 |

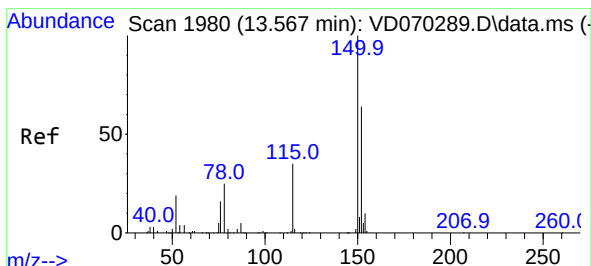
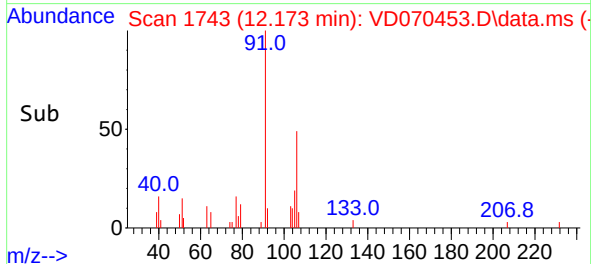
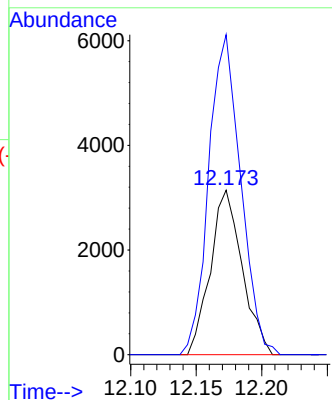
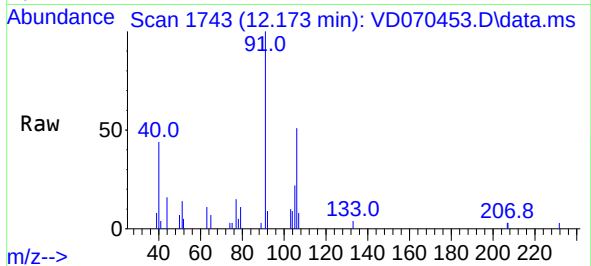




#69  
o-Xylene  
Concen: 1.15 ug/l  
RT: 12.173 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VD070453.D  
Acq: 24 Sep 2021 14:28

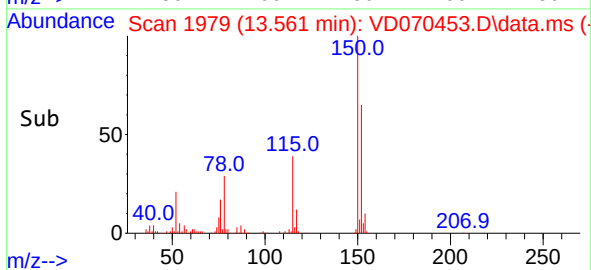
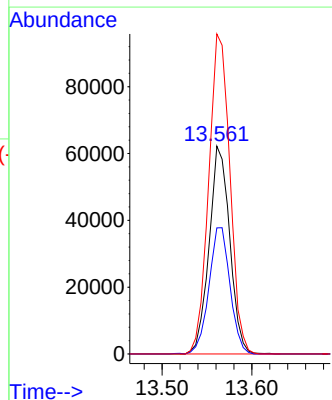
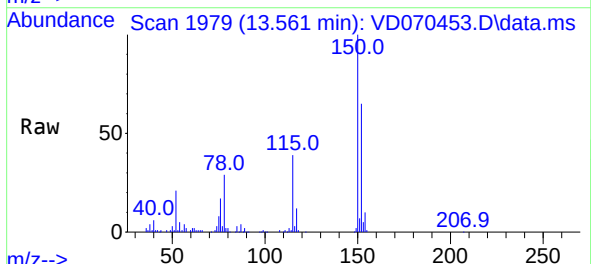
Instrument :  
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Tgt Ion:106 Resp: 5310  
Ion Ratio Lower Upper  
106 100  
91 195.2 106.3 318.9

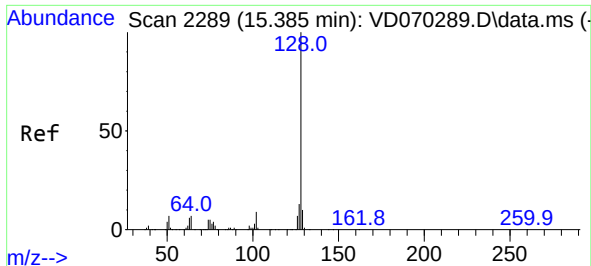


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD070453.D  
Acq: 24 Sep 2021 14:28

Tgt Ion:152 Resp: 99367  
Ion Ratio Lower Upper  
152 100  
115 62.1 32.1 96.3  
150 158.0 0.0 350.6







#95  
Naphthalene  
Concen: 10.78 ug/l  
RT: 15.384 min Scan# 2289  
Delta R.T. -0.000 min  
Lab File: VD070453.D  
Acq: 24 Sep 2021 14:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
S-839-R-SO-4-4.5-092321

Tgt Ion:128 Resp: 31233  
Ion Ratio Lower Upper  
128 100  
127 14.0 10.5 15.7  
129 10.4 9.0 13.4

