

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050922\  
 Data File : VD072899.D  
 Acq On : 09 May 2022 19:16  
 Operator : VA/SY  
 Sample : N2691-01  
 Misc : 5.08G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DEEP-WC-1

Quant Time: May 10 01:37:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 2022  
 Response via : Initial Calibration

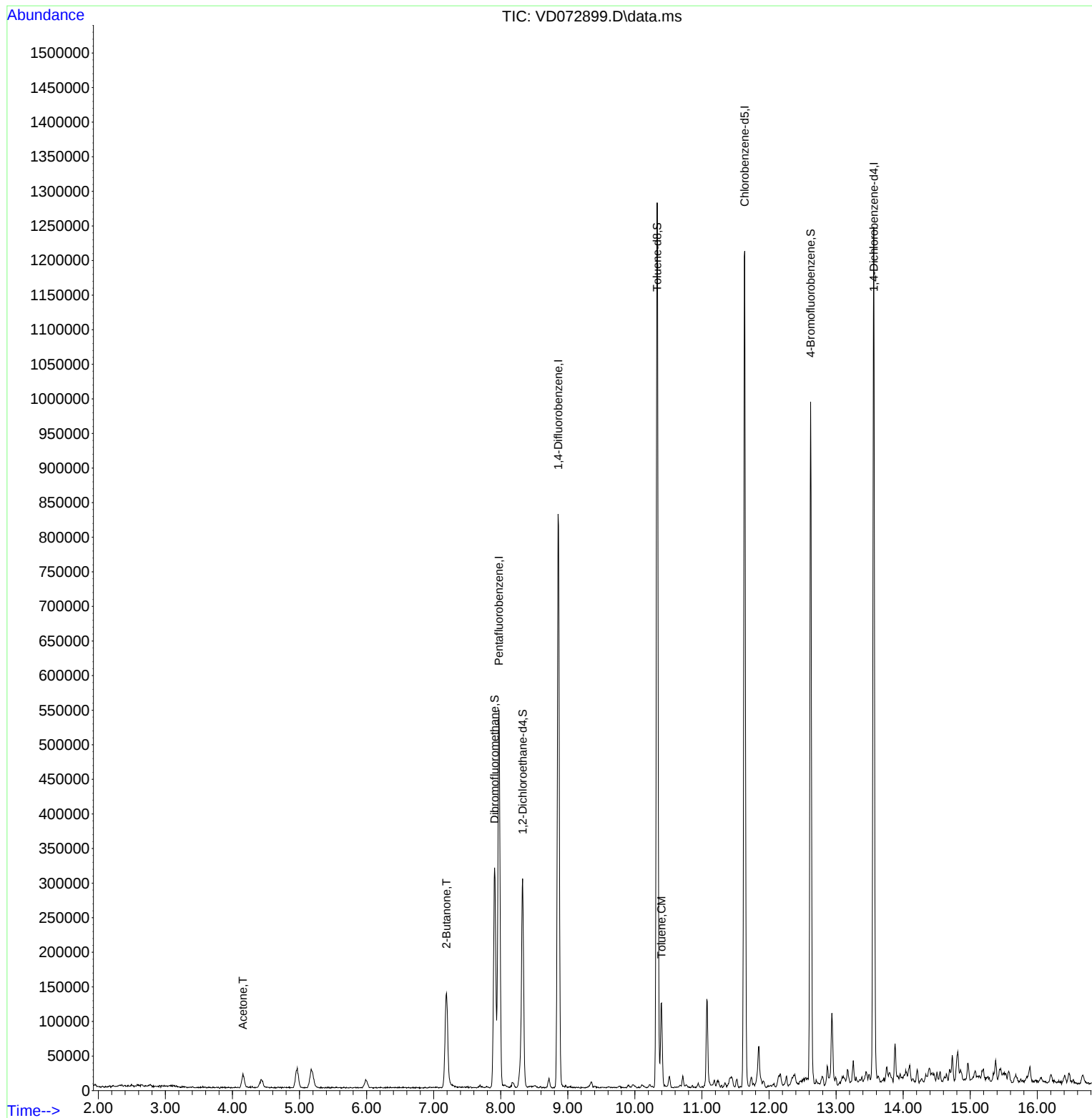
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.973  | 168   | 383712   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.855  | 114   | 703050   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 680781   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 307901   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 234007   | 46.981   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 93.960%  |
| 35) Dibromofluoromethane    | 7.908  | 113   | 229426   | 46.465   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 92.940%  |
| 50) Toluene-d8              | 10.332 | 98    | 853713   | 48.201   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 96.400%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 323609   | 49.001   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 98.000%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.156  | 43    | 34323    | 24.225   | ug/l # | 86       |
| 25) 2-Butanone              | 7.191  | 43    | 9809     | 6.759    | ug/l # | 86       |
| 52) Toluene                 | 10.397 | 92    | 49944    | 3.453    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

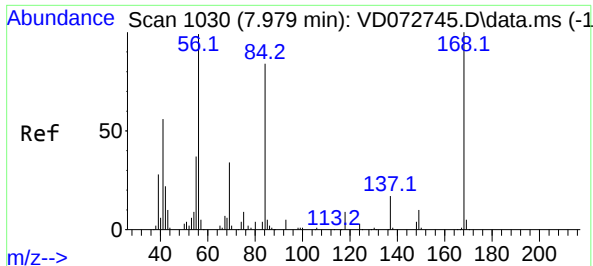
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue May 03 08:33:49 2022  
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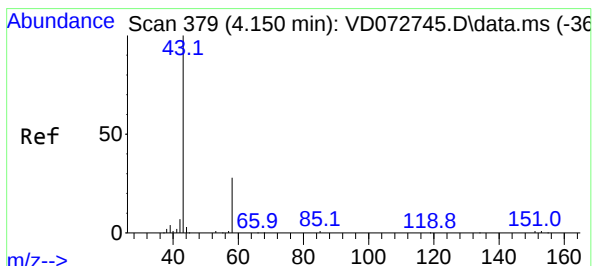
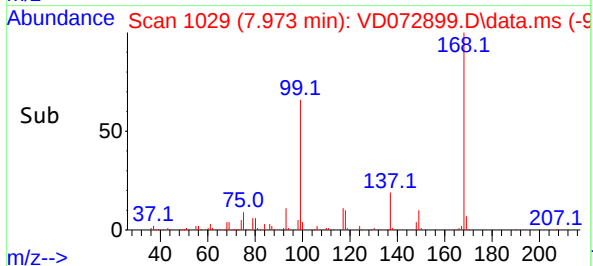
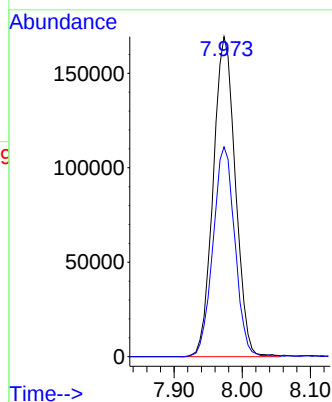
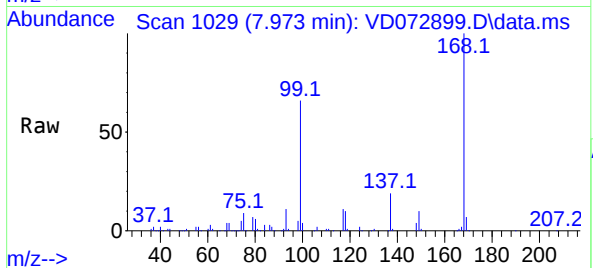




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD072899.D  
Acq: 09 May 2022 19:16

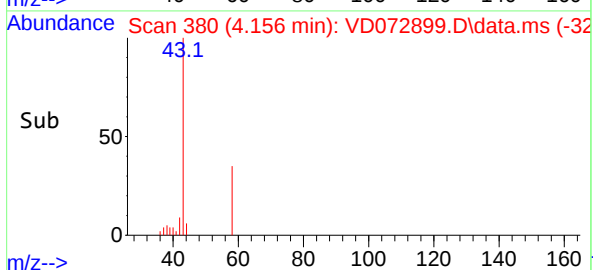
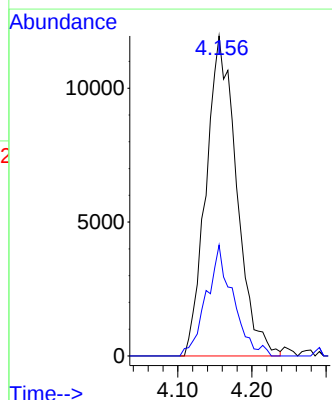
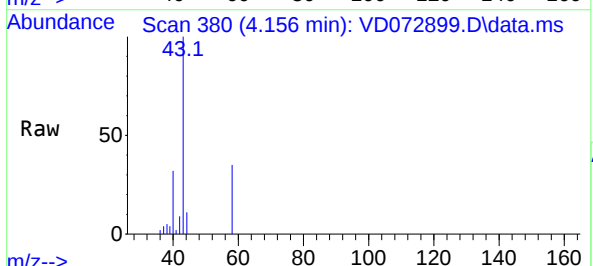
Instrument :  
MSVOA\_D  
ClientSampleId :  
DEEP-WC-1

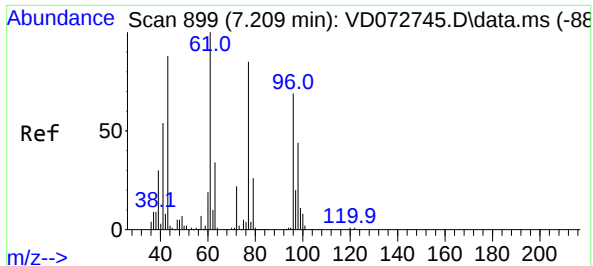
Tgt Ion:168 Resp: 383712  
Ion Ratio Lower Upper  
168 100  
99 65.5 49.8 74.6



#16  
Acetone  
Concen: 24.225 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. 0.006 min  
Lab File: VD072899.D  
Acq: 09 May 2022 19:16

Tgt Ion: 43 Resp: 34323  
Ion Ratio Lower Upper  
43 100  
58 34.7 22.1 33.1#

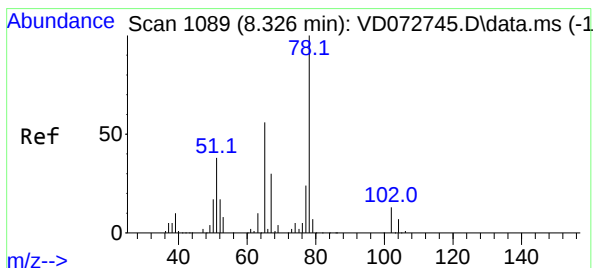
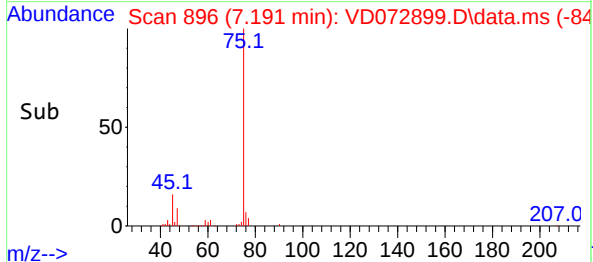
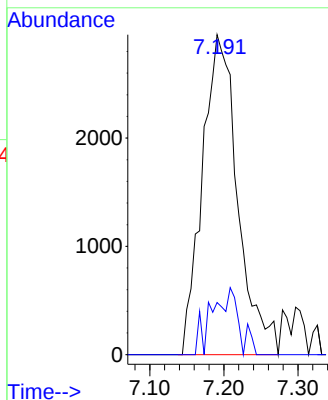
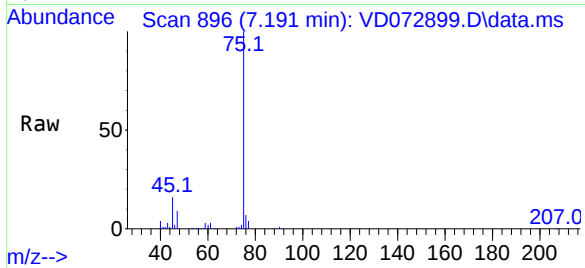




#25  
2-Butanone  
Concen: 6.759 ug/l  
RT: 7.191 min Scan# 899  
Delta R.T. -0.018 min  
Lab File: VD072899.D  
Acq: 09 May 2022 19:16

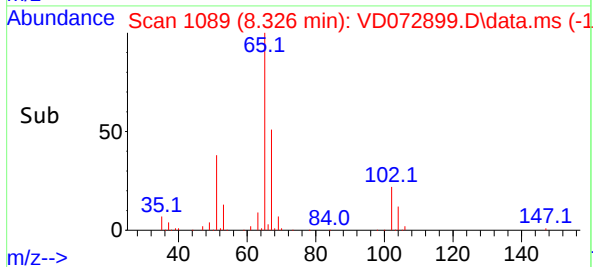
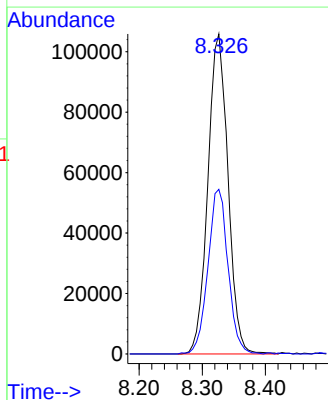
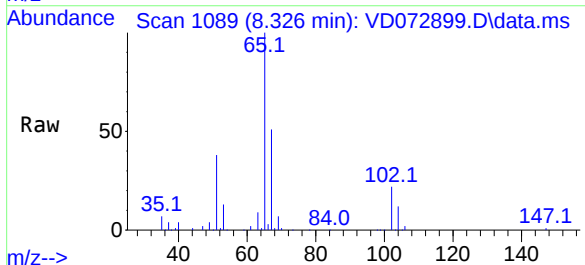
Instrument :  
MSVOA\_D  
ClientSampleId :  
DEEP-WC-1

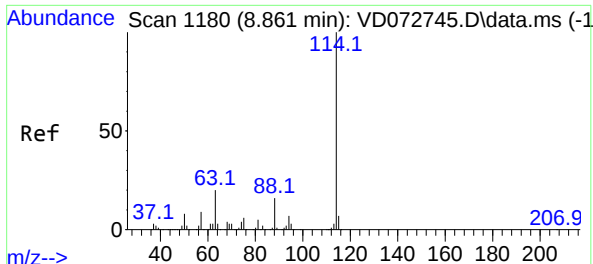
Tgt Ion: 43 Resp: 9809  
Ion Ratio Lower Upper  
43 100  
72 16.3 18.6 27.8#



#33  
1,2-Dichloroethane-d4  
Concen: 46.981 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD072899.D  
Acq: 09 May 2022 19:16

Tgt Ion: 65 Resp: 234007  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 101.4



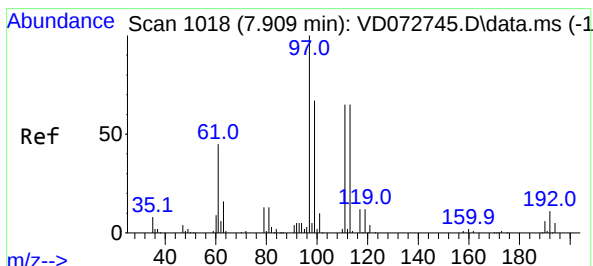
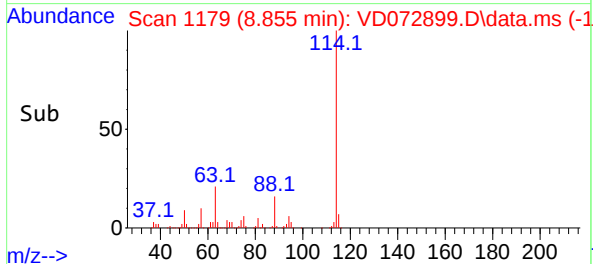
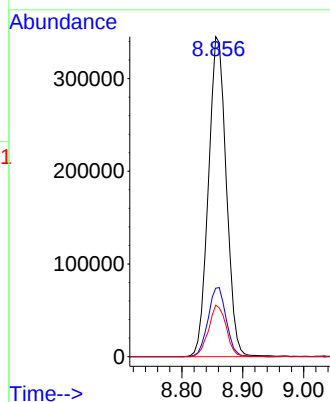
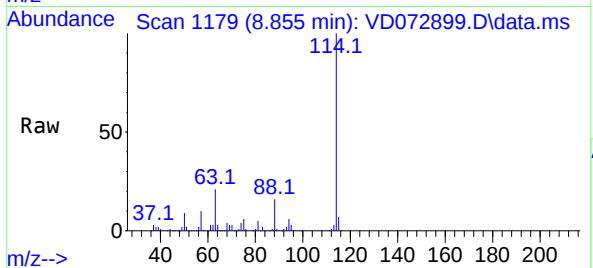


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.855 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: VD072899.D  
Acq: 09 May 2022 19:16

Instrument :  
MSVOA\_D  
ClientSampleId :  
DEEP-WC-1

Tgt Ion:114 Resp: 703050

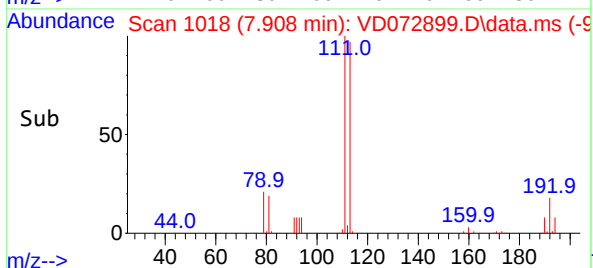
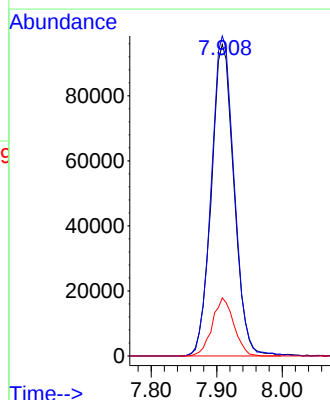
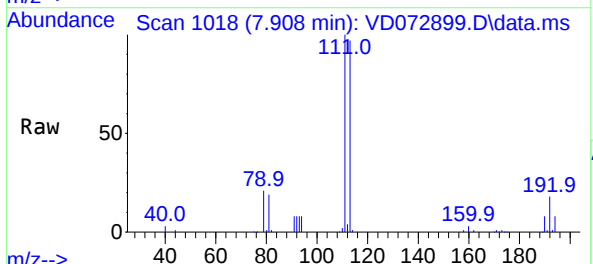
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 21.4  | 0.0   | 46.6  |
| 88  | 16.1  | 0.0   | 33.2  |

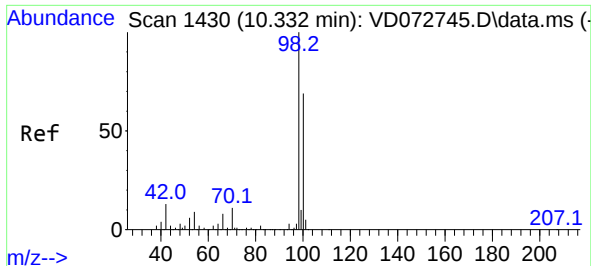


#35  
Dibromofluoromethane  
Concen: 46.465 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.001 min  
Lab File: VD072899.D  
Acq: 09 May 2022 19:16

Tgt Ion:113 Resp: 229426

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.6 | 83.8  | 125.6 |
| 192 | 17.7  | 14.6  | 21.8  |

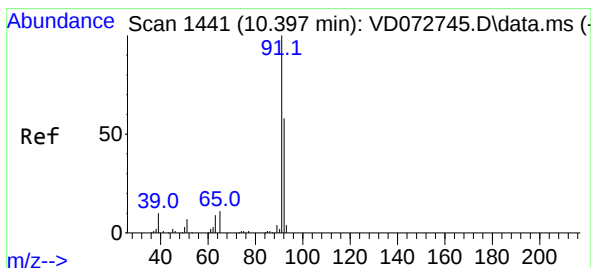
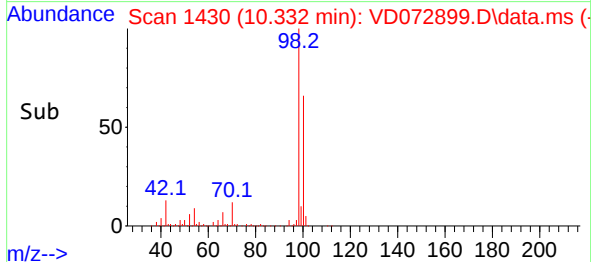
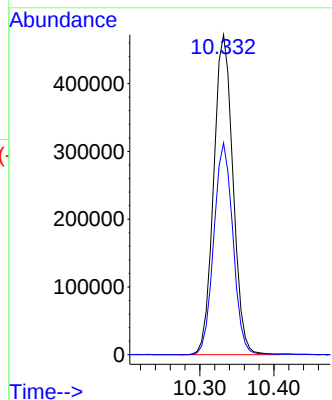
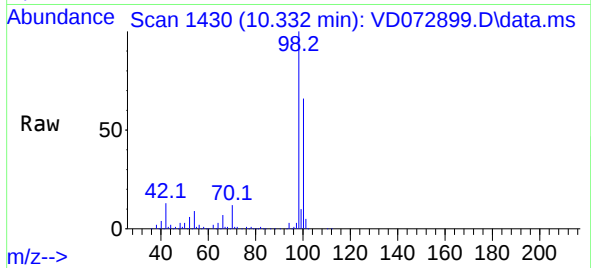




#50  
Toluene-d8  
Concen: 48.201 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD072899.D  
Acq: 09 May 2022 19:16

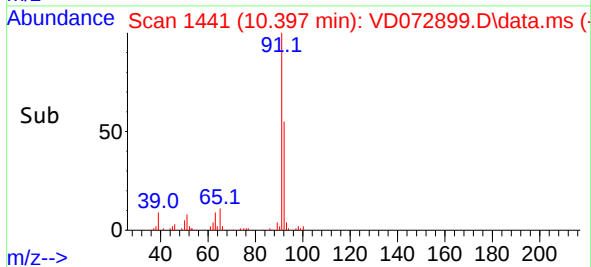
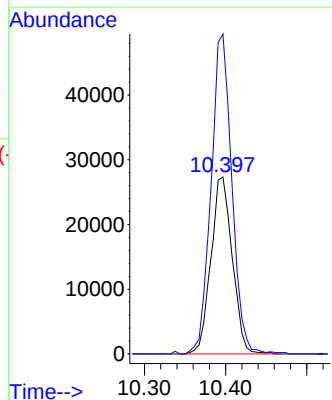
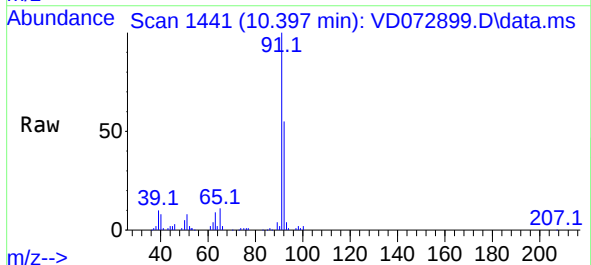
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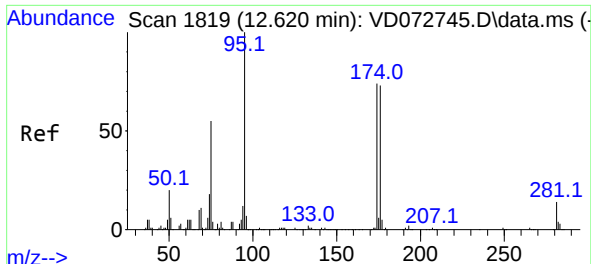
Tgt Ion: 98 Resp: 853713  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.4 78.6



#52  
Toluene  
Concen: 3.453 ug/l  
RT: 10.397 min Scan# 1441  
Delta R.T. -0.000 min  
Lab File: VD072899.D  
Acq: 09 May 2022 19:16

Tgt Ion: 92 Resp: 49944  
Ion Ratio Lower Upper  
92 100  
91 176.3 139.6 209.4

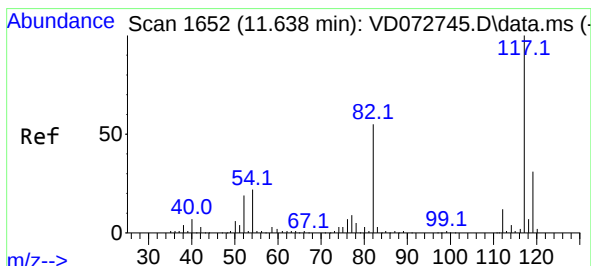
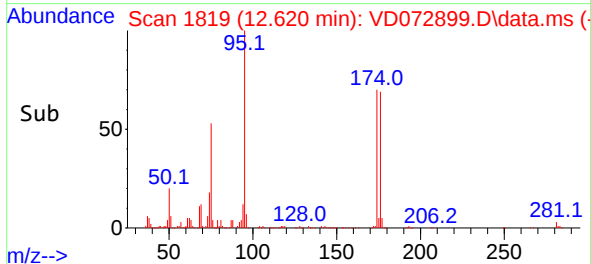
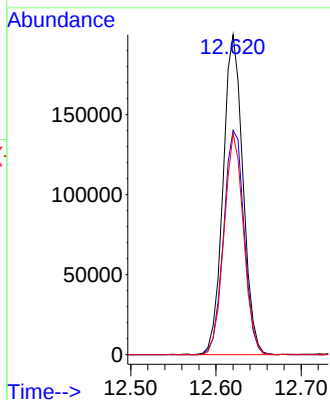
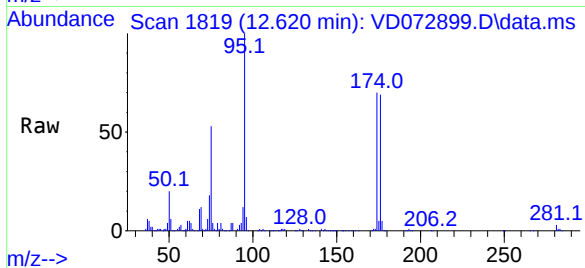




#62  
4-Bromofluorobenzene  
Concen: 49.001 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD072899.D  
Acq: 09 May 2022 19:16

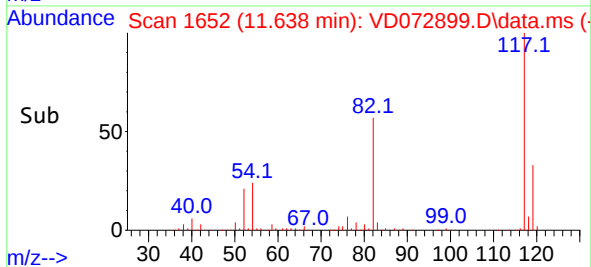
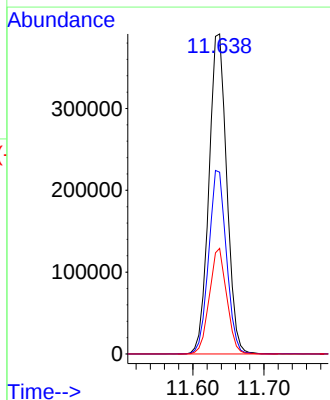
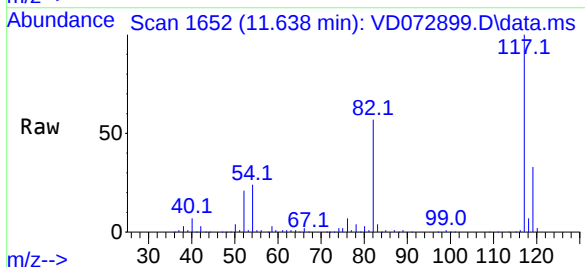
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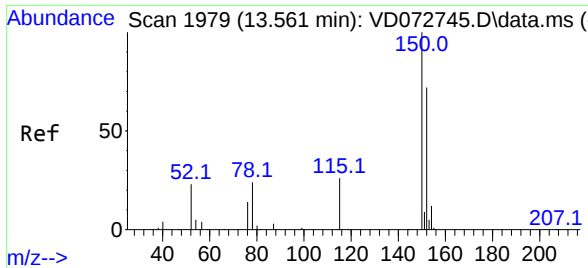
Tgt Ion: 95 Resp: 323609  
Ion Ratio Lower Upper  
95 100  
174 72.4 0.0 152.8  
176 68.1 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD072899.D  
Acq: 09 May 2022 19:16

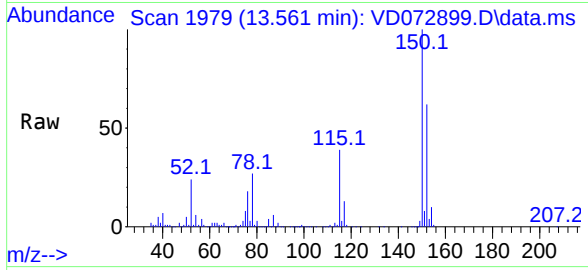
Tgt Ion: 117 Resp: 680781  
Ion Ratio Lower Upper  
117 100  
82 56.8 45.3 67.9  
119 33.0 26.6 40.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VD072899.D  
 Acq: 09 May 2022 19:16

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DEEP-WC-1



Tgt Ion:152 Resp: 307901

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 62.2  | 31.3  | 93.8  |
| 150 | 157.6 | 0.0   | 348.6 |

