

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062023\  
 Data File : VY014317.D  
 Acq On : 21 Jun 2023 05:33  
 Operator : KP/MD  
 Sample : 03329-05  
 Misc : 6.66g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TOTAL-VOC-SW03-0-8-GRAB-6

Quant Time: Jun 21 06:21:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

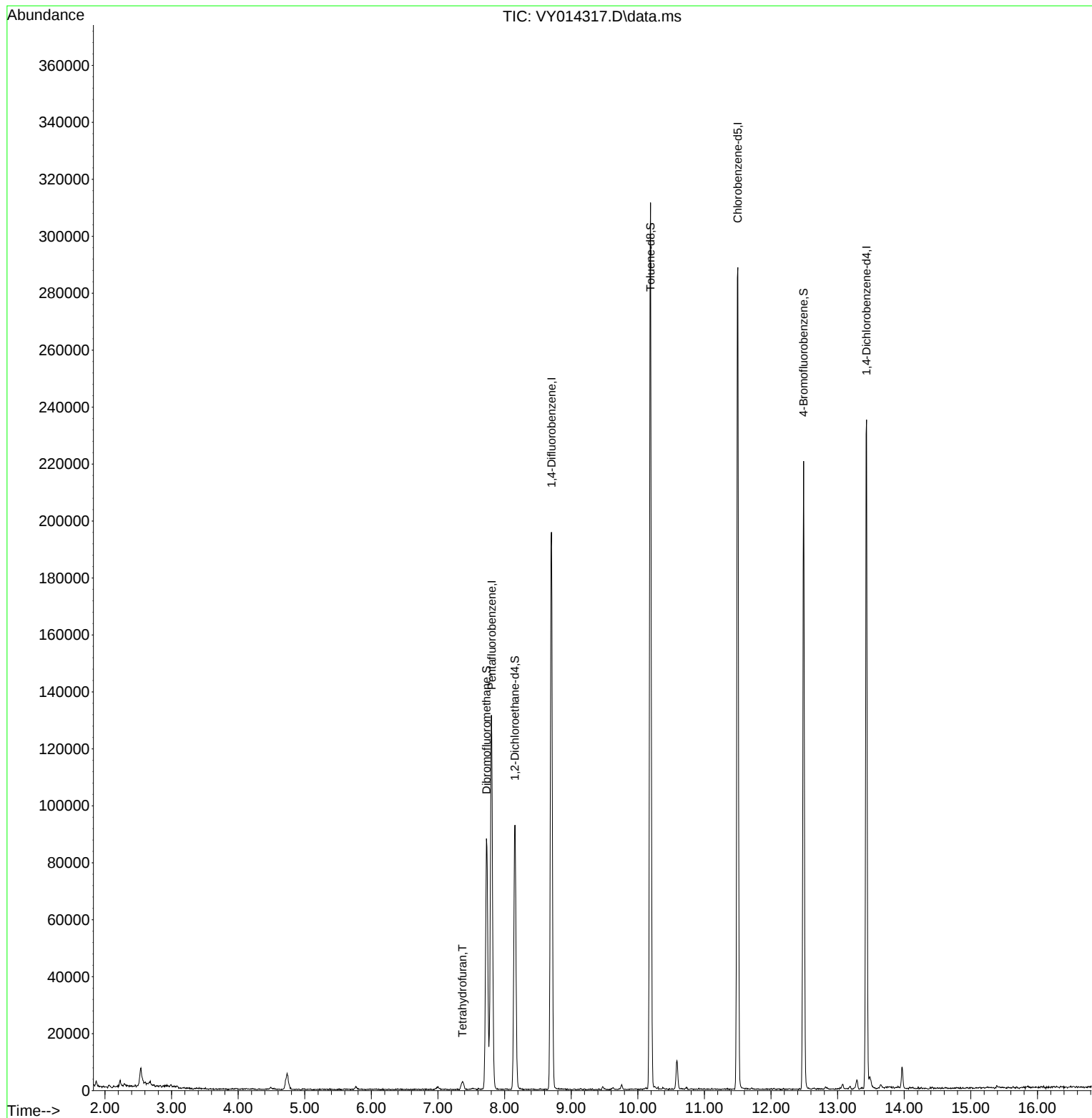
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 7.807  | 168   | 102045   | 50.000   | ug/l  | 0.02        |
| 34) 1,4-Difluorobenzene     | 8.703  | 114   | 167345   | 50.000   | ug/l  | 0.01        |
| 63) Chlorobenzene-d5        | 11.502 | 117   | 157486   | 50.000   | ug/l  | 0.01        |
| 72) 1,4-Dichlorobenzene-d4  | 13.434 | 152   | 61921    | 50.000   | ug/l  | 0.00        |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 81367    | 57.261   | ug/l  | 0.01        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 114.520%    |
| 35) Dibromofluoromethane    | 7.728  | 113   | 60011    | 50.567   | ug/l  | 0.01        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 101.140%    |
| 50) Toluene-d8              | 10.191 | 98    | 204657   | 46.127   | ug/l  | 0.01        |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 92.260%     |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 59952    | 38.038   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 76.080%     |
| Target Compounds            |        |       |          |          |       |             |
| 29) Tetrahydrofuran         | 7.368  | 42    | 2237     | 6.691    | ug/l  | Qvalue # 83 |
| -----                       |        |       |          |          |       |             |

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

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ALS Vial : 49 Sample Multiplier: 1

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TOTAL-VOC-SW03-0-8-GRAB-6

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 09 18:07:13 2023  
Response via : Initial Calibration

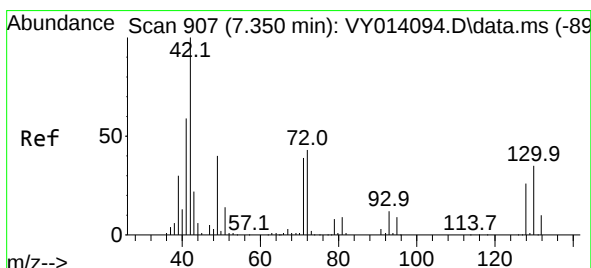
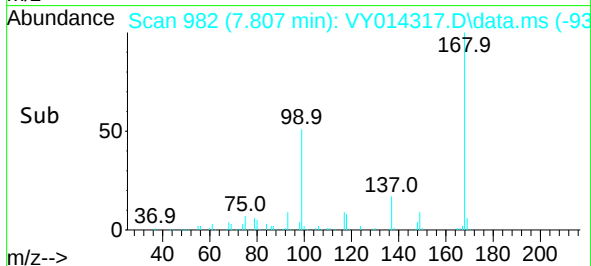
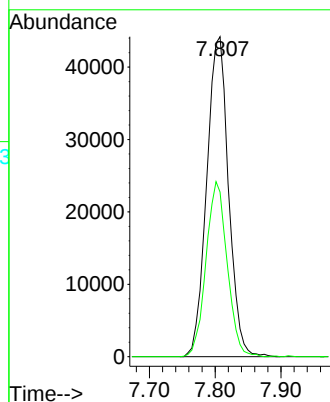
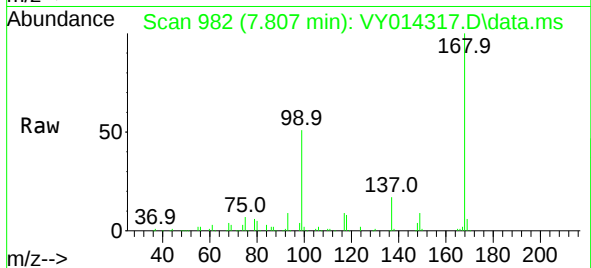




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 910  
Delta R.T. 0.018 min  
Lab File: VY014317.D  
Acq: 21 Jun 2023 05:33

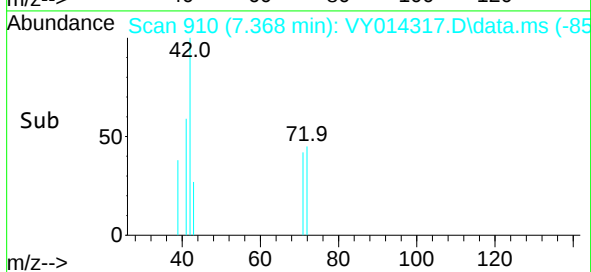
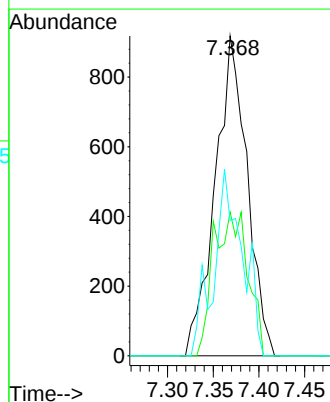
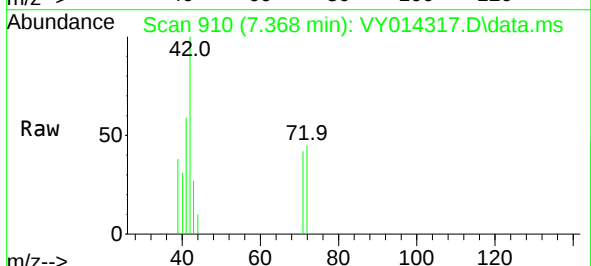
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-SW03-0-8-GRAB-6

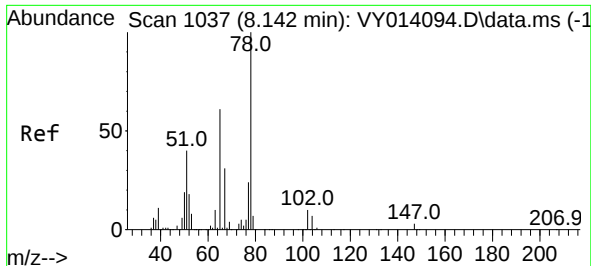
Tgt Ion:168 Resp: 102045  
Ion Ratio Lower Upper  
168 100  
99 51.4 43.4 65.0



#29  
Tetrahydrofuran  
Concen: 6.691 ug/l  
RT: 7.368 min Scan# 910  
Delta R.T. 0.018 min  
Lab File: VY014317.D  
Acq: 21 Jun 2023 05:33

Tgt Ion: 42 Resp: 2237  
Ion Ratio Lower Upper  
42 100  
72 48.2 32.8 49.2  
71 52.3 31.0 46.4#

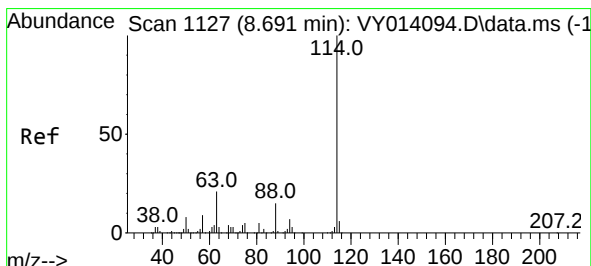
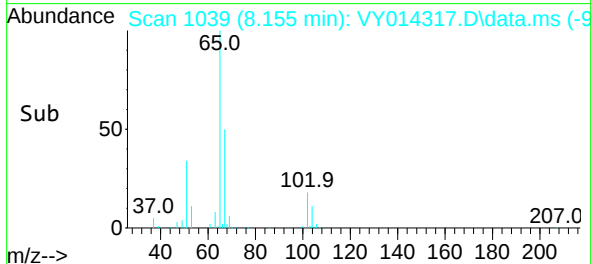
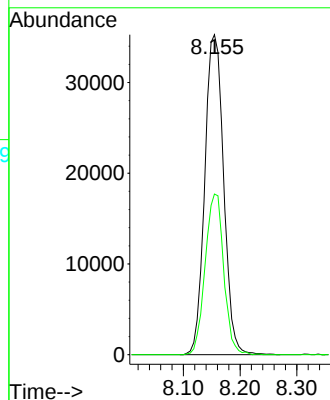
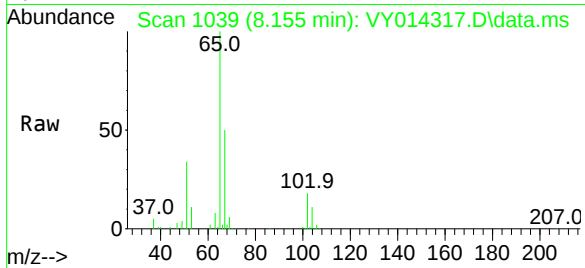




#33  
1,2-Dichloroethane-d4  
Concen: 57.261 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.013 min  
Lab File: VY014317.D  
Acq: 21 Jun 2023 05:33

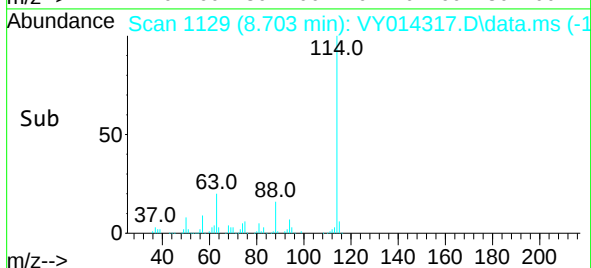
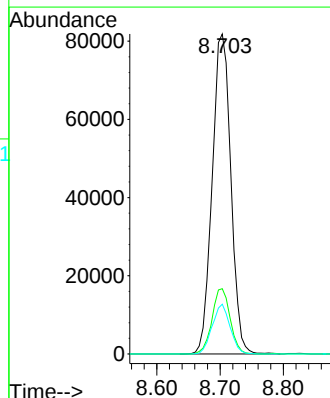
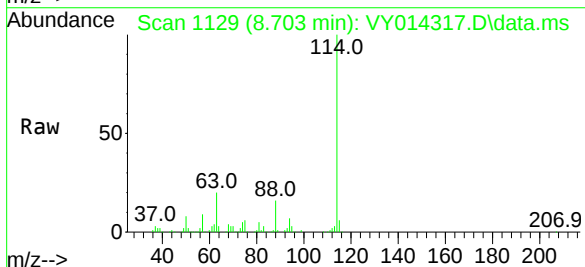
Instrument :  
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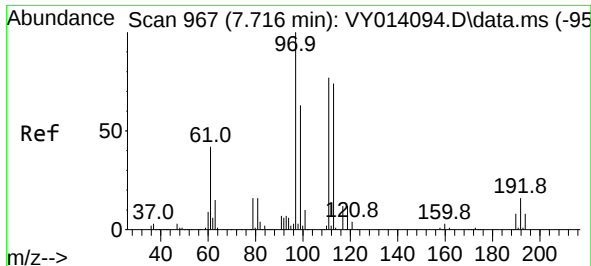
Tgt Ion: 65 Resp: 81367  
Ion Ratio Lower Upper  
65 100  
67 49.4 0.0 101.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.703 min Scan# 1129  
Delta R.T. 0.012 min  
Lab File: VY014317.D  
Acq: 21 Jun 2023 05:33

Tgt Ion: 114 Resp: 167345  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 42.4  
88 15.6 0.0 30.6

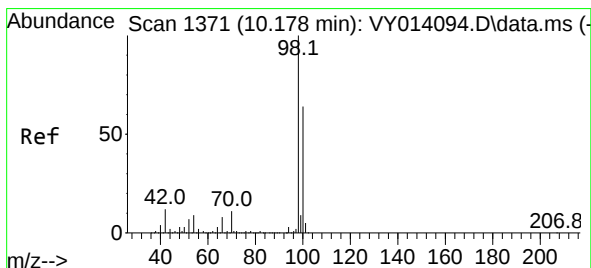
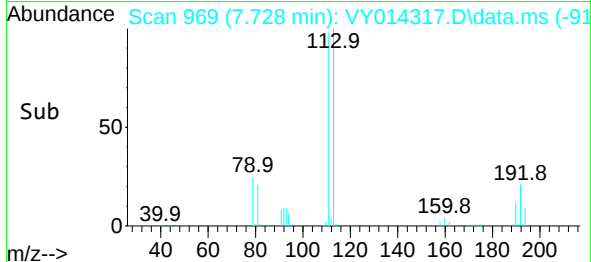
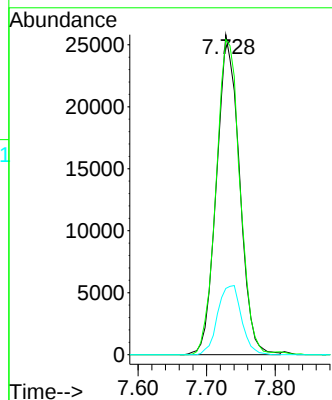
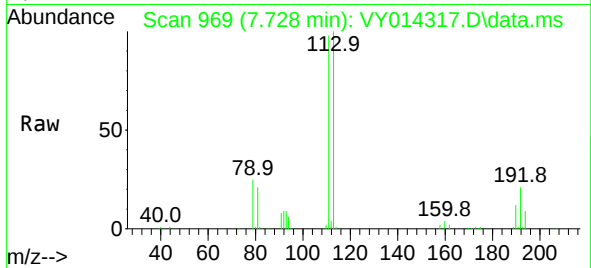




#35  
Dibromofluoromethane  
Concen: 50.567 ug/l  
RT: 7.728 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY014317.D  
Acq: 21 Jun 2023 05:33

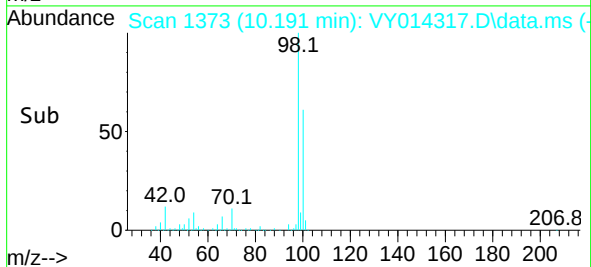
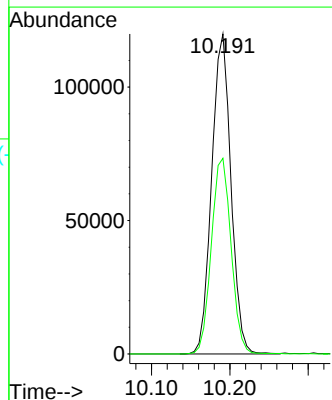
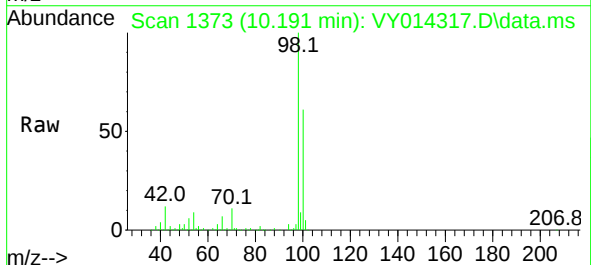
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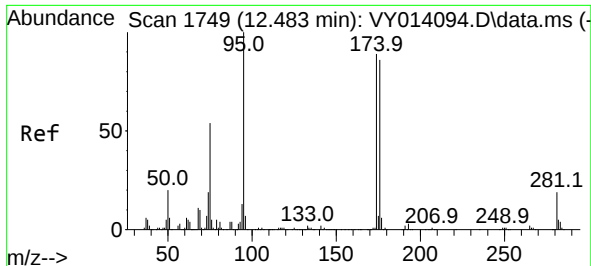
Tgt Ion:113 Resp: 60011  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.3 121.9  
192 22.4 16.9 25.3



#50  
Toluene-d8  
Concen: 46.127 ug/l  
RT: 10.191 min Scan# 1373  
Delta R.T. 0.013 min  
Lab File: VY014317.D  
Acq: 21 Jun 2023 05:33

Tgt Ion: 98 Resp: 204657  
Ion Ratio Lower Upper  
98 100  
100 62.8 50.1 75.1

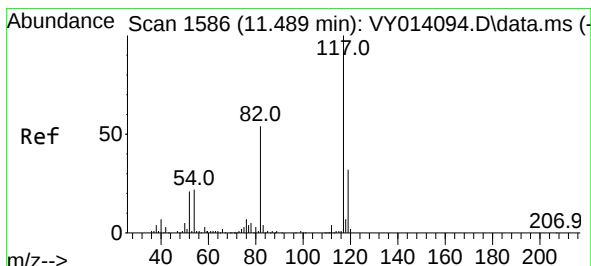
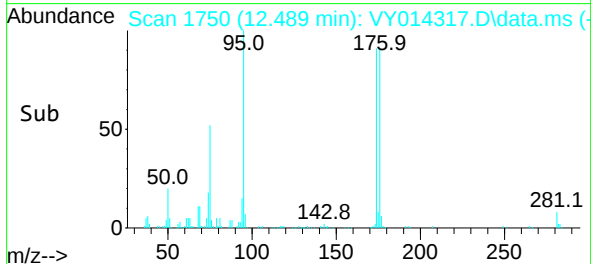
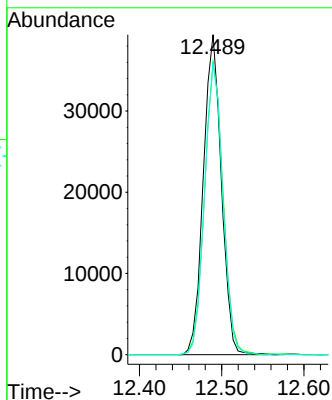
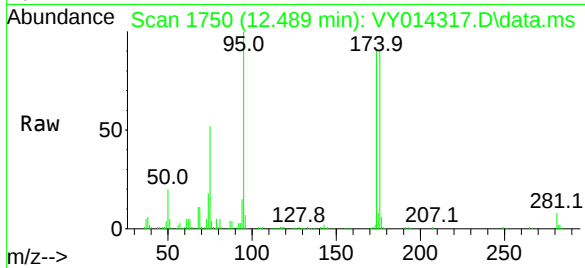




#62  
4-Bromofluorobenzene  
Concen: 38.038 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY014317.D  
Acq: 21 Jun 2023 05:33

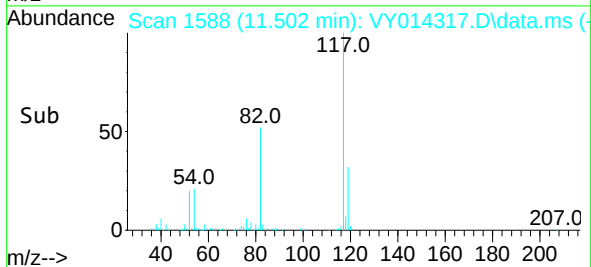
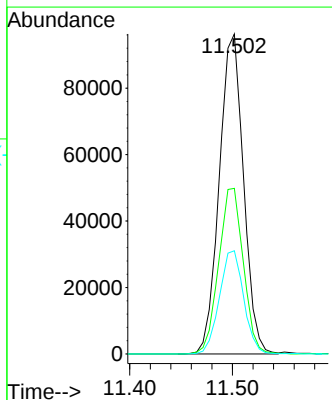
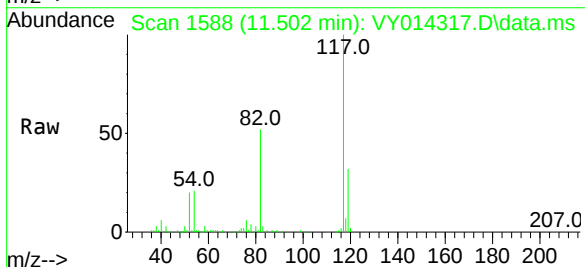
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TOTAL-VOC-SW03-0-8-GRAB-6

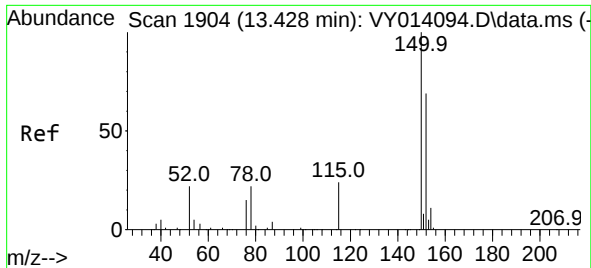
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 59952 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 94.7  | 0.0   | 178.2 |
| 176       | 92.4  | 0.0   | 173.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 1588  
Delta R.T. 0.013 min  
Lab File: VY014317.D  
Acq: 21 Jun 2023 05:33

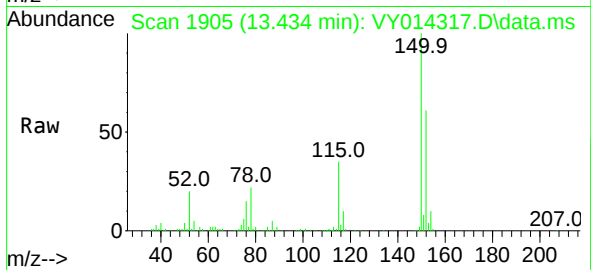
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 157486 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 51.7  | 43.4  | 65.0   |
| 119       | 32.2  | 26.3  | 39.5   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.434 min Scan# 1905  
 Delta R.T. 0.006 min  
 Lab File: VY014317.D  
 Acq: 21 Jun 2023 05:33

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TOTAL-VOC-SW03-0-8-GRAB-6



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 61921 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 56.6  | 28.8  | 86.5  |
| 150       | 158.8 | 0.0   | 348.8 |

