

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW101821\  
 Data File : VW022904.D  
 Acq On : 19 Oct 2021 06:40  
 Operator : SY/MD  
 Sample : M4137-19  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFGH3

Quant Time: Oct 19 09:00:55 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100721WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Oct 19 04:07:06 2021  
 Response via : Initial Calibration

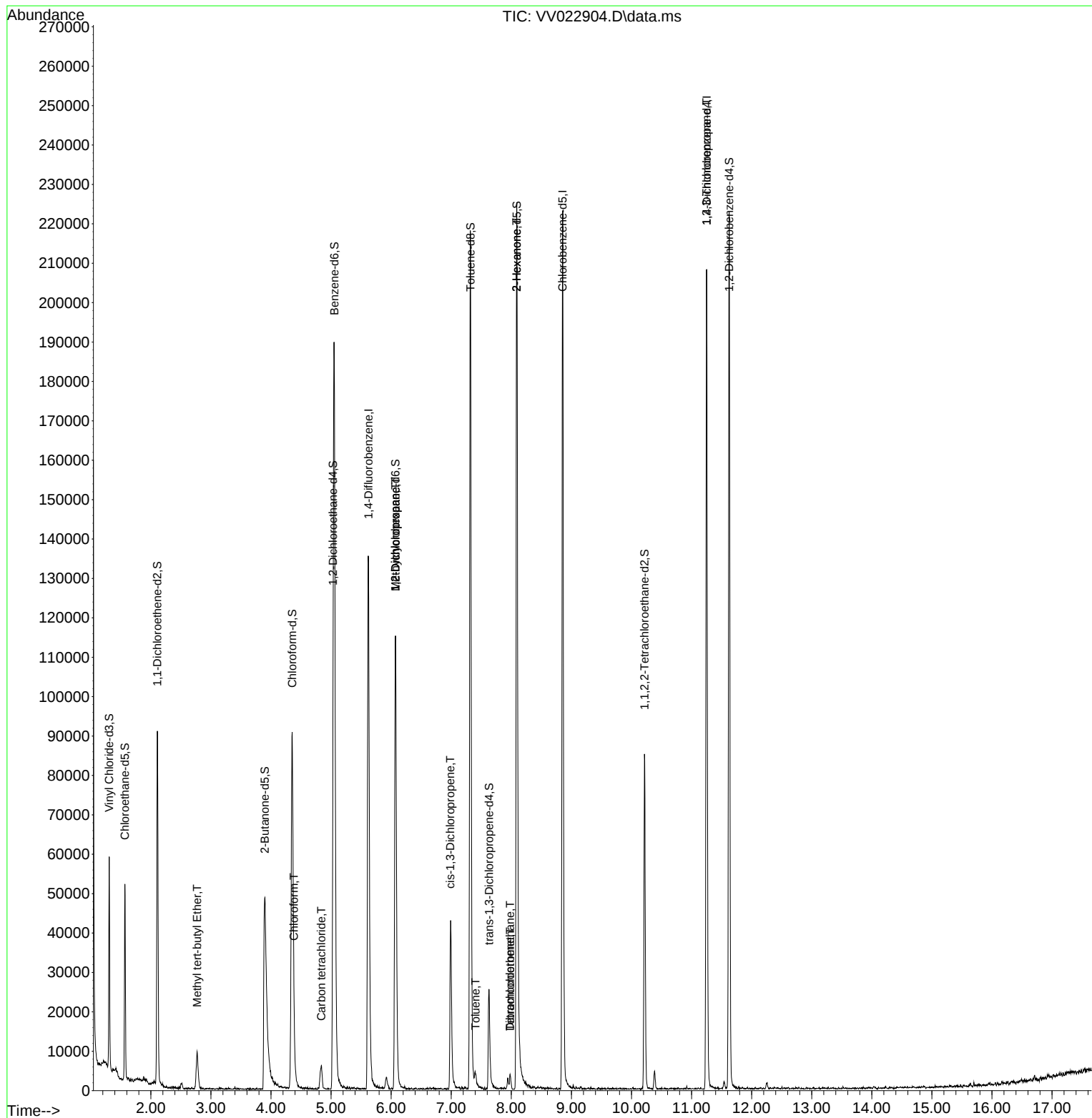
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.622  | 114   | 121913   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 125279   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252 | 152   | 56195    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 31927    | 3.806    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.200%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 29680    | 3.938    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 78.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 46621    | 2.833    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 56.600%# |
| 20) 2-Butanone-d5             | 3.895  | 46    | 100360   | 45.632   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 91.260%  |
| 24) Chloroform-d              | 4.352  | 84    | 90956    | 5.262    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 105.200% |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 42542    | 5.071    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.400% |
| 32) Benzene-d6                | 5.053  | 84    | 175749   | 4.712    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 56660    | 5.130    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 102.600% |
| 41) Toluene-d8                | 7.320  | 98    | 149119   | 4.625    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.600%  |
| 43) trans-1,3-Dichloroprop... | 7.628  | 79    | 16376    | 4.470    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.400%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 76379    | 51.729   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.460% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 39240    | 5.245    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 104.800% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 60441    | 5.801    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 116.000% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 9331     | 0.524    | ug/L   | 98       |
| 25) Chloroform                | 4.381  | 83    | 6133     | 0.367    | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.838  | 117   | 4551     | 0.366    | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.072  | 83    | 14570    | 1.133    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.072  | 63    | 6439     | 0.793    | ug/L # | 84       |
| 39) cis-1,3-Dichloropropene   | 6.985  | 75    | 1274     | 0.119    | ug/L # | 79       |
| 42) Toluene                   | 7.407  | 91    | 2888     | 0.084    | ug/L   | 86       |
| 47) Tetrachloroethene         | 7.982  | 164   | 892      | 0.120    | ug/L   | 93       |
| 48) 2-Hexanone                | 8.088  | 43    | 10227    | 3.208    | ug/L # | 65       |
| 49) Dibromochloromethane      | 7.982  | 129   | 663      | 0.094    | ug/L # | 7        |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 6211     | 1.591    | ug/L # | 61       |
| -----                         |        |       |          |          |        |          |

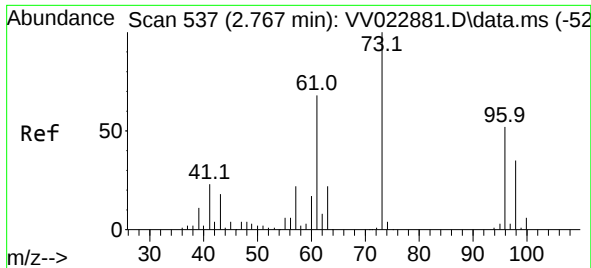
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M4137-19  
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ALS Vial : 52 Sample Multiplier: 1

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Oct 19 04:07:06 2021  
Response via : Initial Calibration

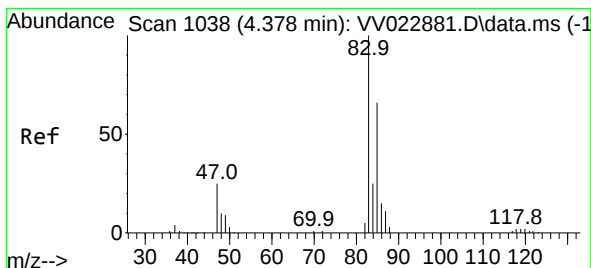
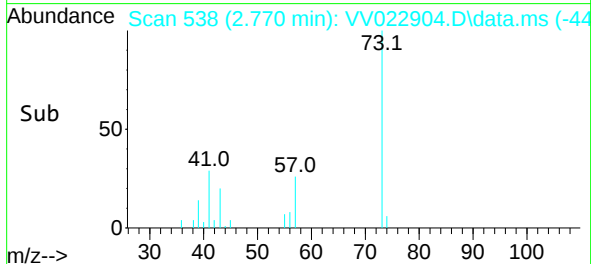
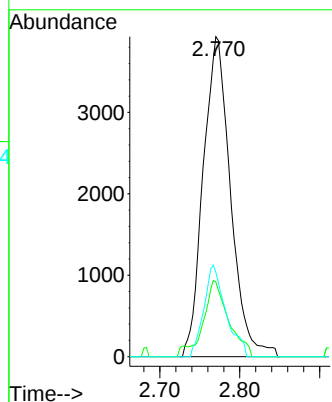
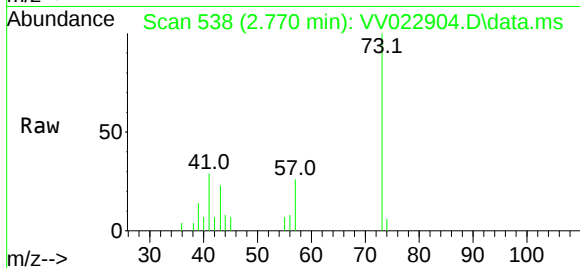




#17  
Methyl tert-butyl Ether  
Concen: 0.524 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. 0.003 min  
Lab File: VV022904.D  
Acq: 19 Oct 2021 06:40

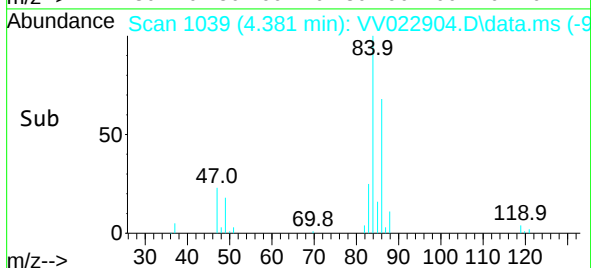
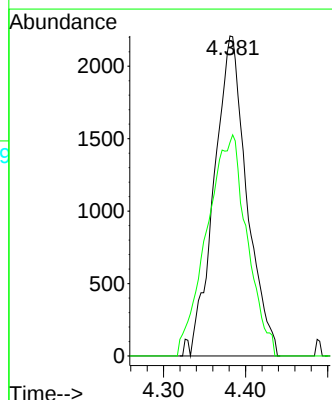
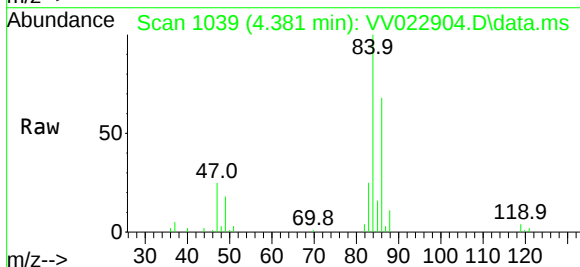
Instrument :  
MSVOA\_V  
ClientSampled :  
BFGH3

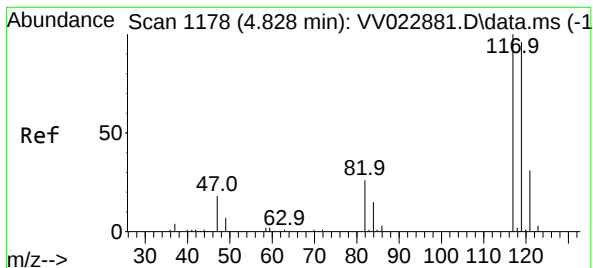
|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 9331  |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 43 21.0     | 17.1 25.7   |
| 57 22.9     | 17.2 25.8   |



#25  
Chloroform  
Concen: 0.367 ug/L  
RT: 4.381 min Scan# 1039  
Delta R.T. 0.003 min  
Lab File: VV022904.D  
Acq: 19 Oct 2021 06:40

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 6133  |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 66.7     | 45.7 84.9   |

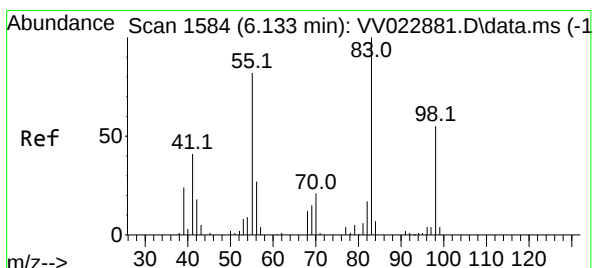
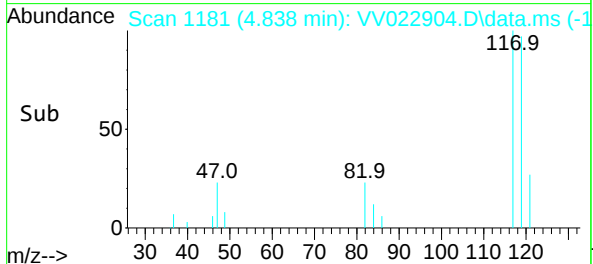
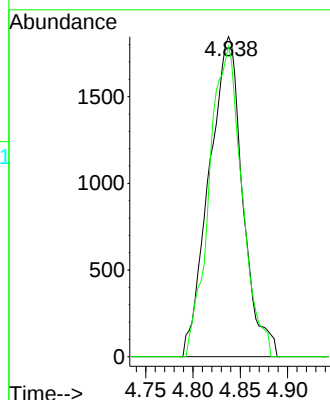
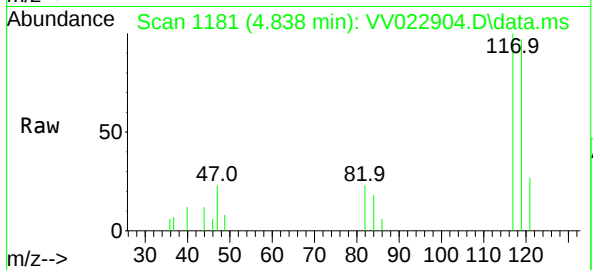




#31  
Carbon tetrachloride  
Concen: 0.366 ug/L  
RT: 4.838 min Scan# 1181  
Delta R.T. 0.010 min  
Lab File: VV022904.D  
Acq: 19 Oct 2021 06:40

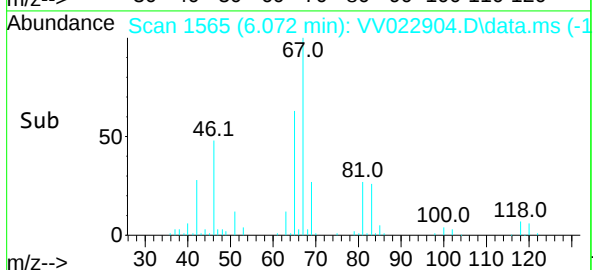
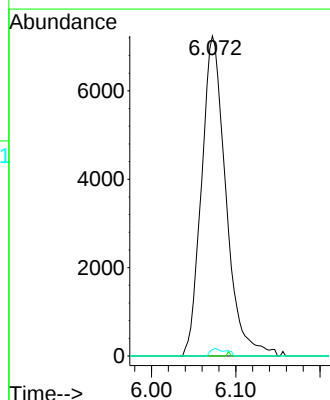
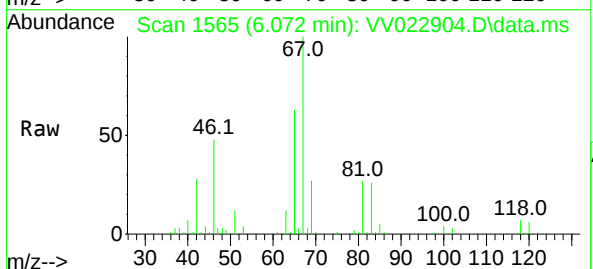
Instrument :  
MSVOA\_V  
ClientSampled :  
BFGH3

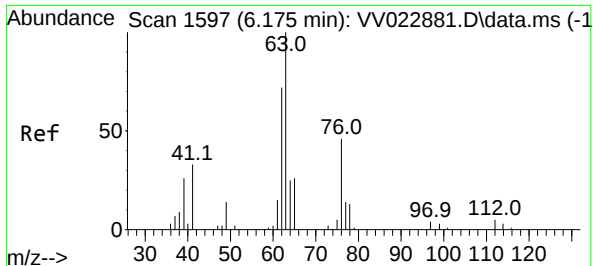
Tgt Ion:117 Resp: 4551  
Ion Ratio Lower Upper  
117 100  
119 94.6 77.4 116.0



#35  
Methylcyclohexane  
Concen: 1.133 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.061 min  
Lab File: VV022904.D  
Acq: 19 Oct 2021 06:40

Tgt Ion: 83 Resp: 14570  
Ion Ratio Lower Upper  
83 100  
55 0.1 63.8 95.6#  
98 1.0 42.1 63.1#





#37

1,2-Dichloropropane

Concen: 0.793 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.103 min

Lab File: VV022904.D

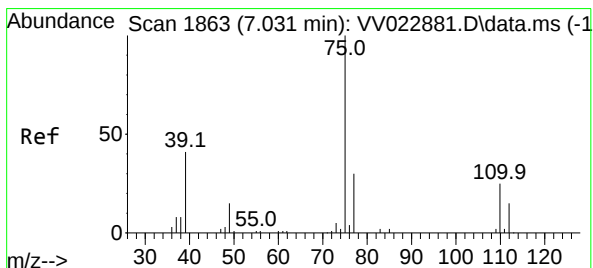
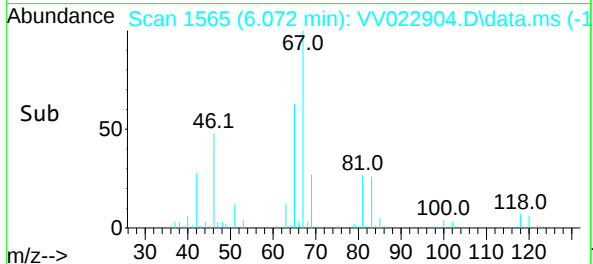
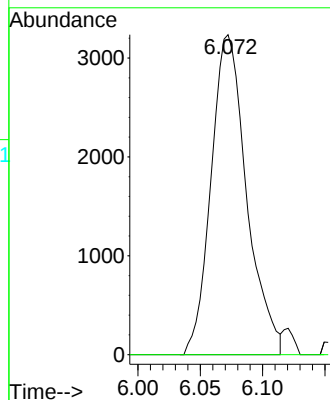
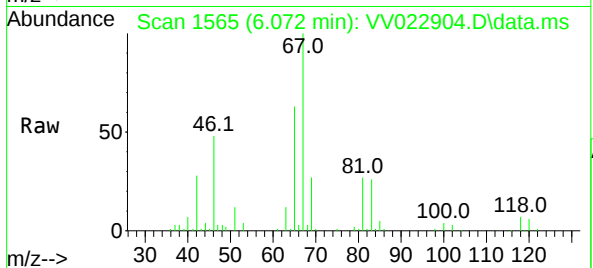
Acq: 19 Oct 2021 06:40

Tgt Ion: 63 Resp: 6439

Ion Ratio Lower Upper

63 100

112 0.0 4.4 6.6#



#39

cis-1,3-Dichloropropene

Concen: 0.119 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.045 min

Lab File: VV022904.D

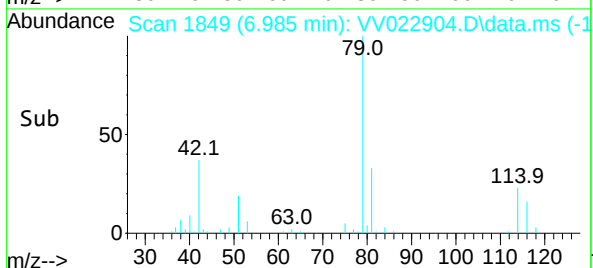
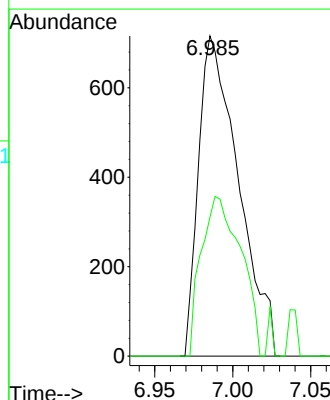
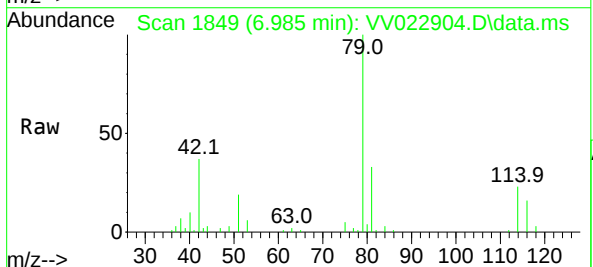
Acq: 19 Oct 2021 06:40

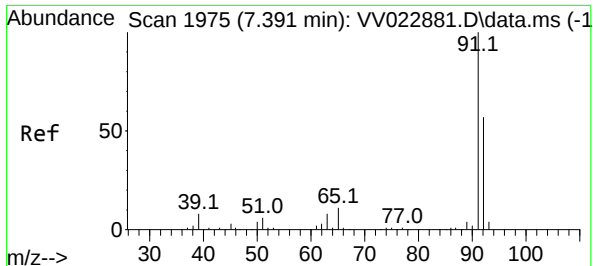
Tgt Ion: 75 Resp: 1274

Ion Ratio Lower Upper

75 100

77 43.4 22.3 41.3#





#42

Toluene

Concen: 0.084 ug/L

RT: 7.407 min Scan# 1980

Delta R.T. 0.016 min

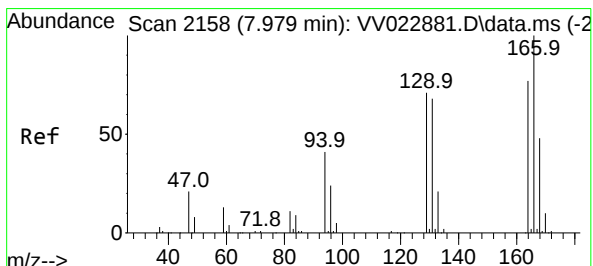
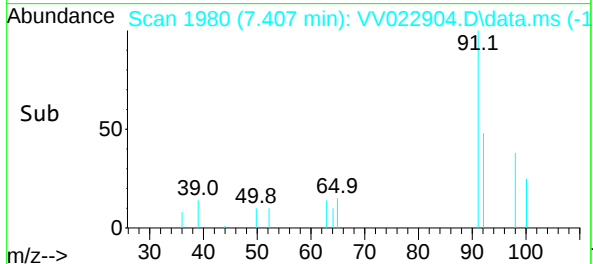
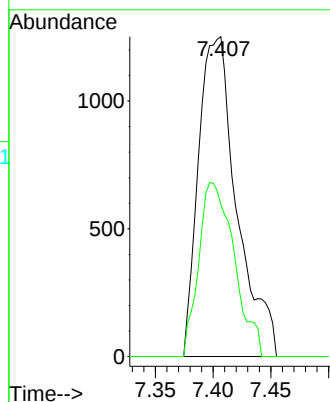
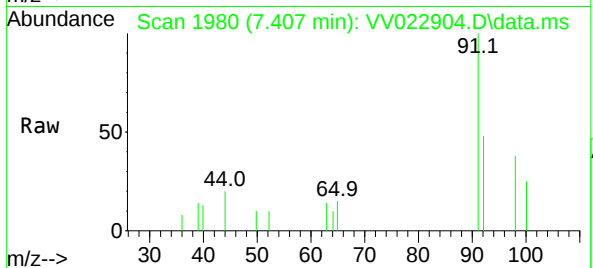
Lab File: VV022904.D

Acq: 19 Oct 2021 06:40

Tgt Ion: 91 Resp: 2888

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 47.5  | 40.7  | 75.7  |

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#47

Tetrachloroethene

Concen: 0.120 ug/L

RT: 7.982 min Scan# 2159

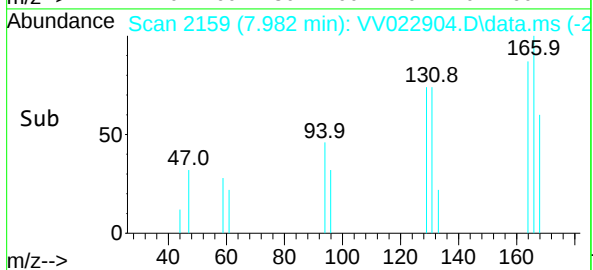
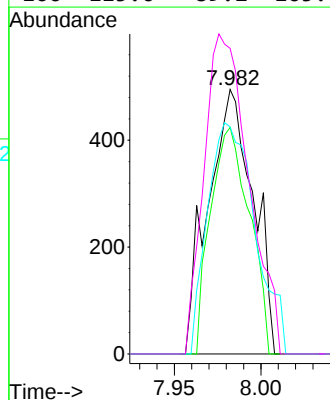
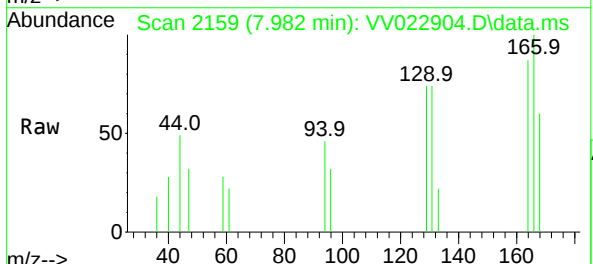
Delta R.T. 0.003 min

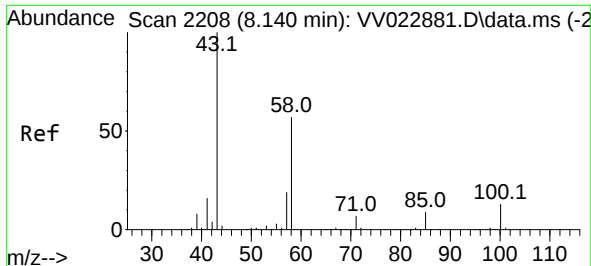
Lab File: VV022904.D

Acq: 19 Oct 2021 06:40

Tgt Ion: 164 Resp: 892

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 85.7  | 65.0  | 120.6 |
| 131 | 85.9  | 62.2  | 115.4 |
| 166 | 115.6 | 89.2  | 165.8 |

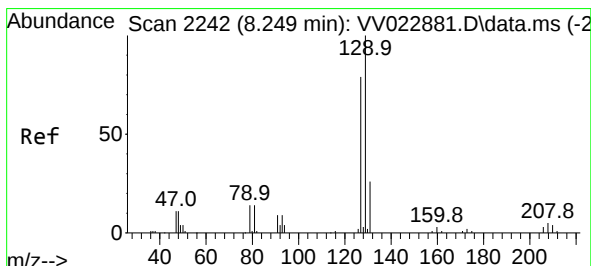
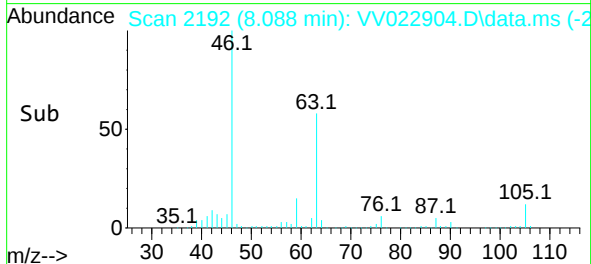
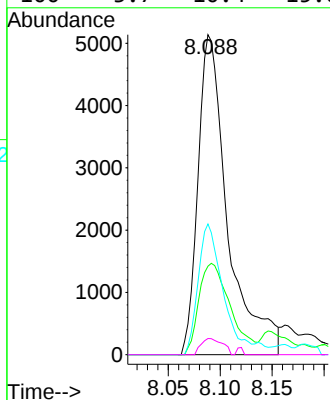
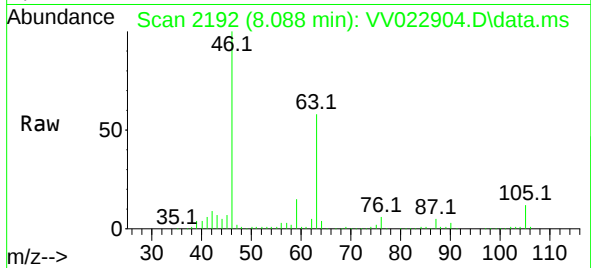




#48  
2-Hexanone  
Concen: 3.208 ug/L  
RT: 8.088 min Scan# 2192  
Delta R.T. -0.052 min  
Lab File: VV022904.D  
Acq: 19 Oct 2021 06:40

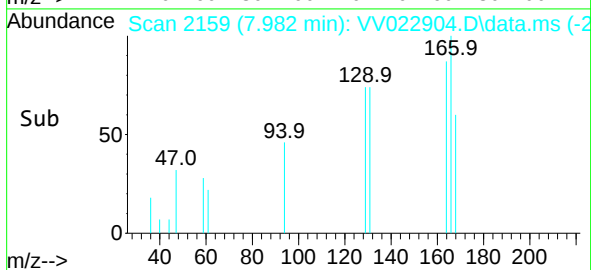
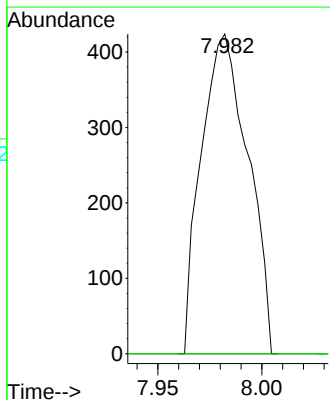
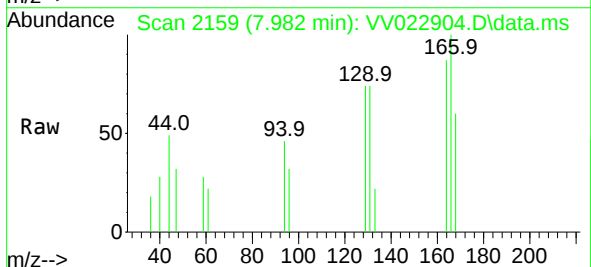
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MSVOA\_V  
ClientSampleId :  
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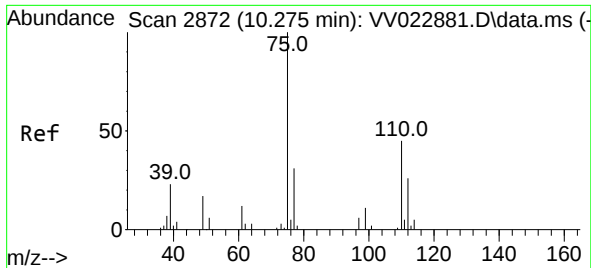
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 10227 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 30.4     | 47.4 71.0#  |
| 57 34.2     | 15.3 22.9#  |
| 100 3.7     | 10.4 15.6#  |



#49  
Dibromochloromethane  
Concen: 0.094 ug/L  
RT: 7.982 min Scan# 2159  
Delta R.T. -0.267 min  
Lab File: VV022904.D  
Acq: 19 Oct 2021 06:40

|              |             |
|--------------|-------------|
| Tgt Ion: 129 | Resp: 663   |
| Ion Ratio    | Lower Upper |
| 129 100      |             |
| 127 0.0      | 59.1 109.9# |





#61  
 1,2,3-Trichloropropane  
 Concen: 1.591 ug/L  
 RT: 11.249 min Scan# 3175  
 Delta R.T. 0.974 min  
 Lab File: VV022904.D  
 Acq: 19 Oct 2021 06:40

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFGH3

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 6211  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 34.8  | 25.4  | 38.2  |
| 110      | 2.2   | 34.2  | 51.4# |

