

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100521\  
 Data File : VW022581.D  
 Acq On : 05 Oct 2021 18:39  
 Operator : SY/MD  
 Sample : M4052-05  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AX5

Quant Time: Oct 06 05:30:49 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Oct 06 05:22:36 2021  
 Response via : Initial Calibration

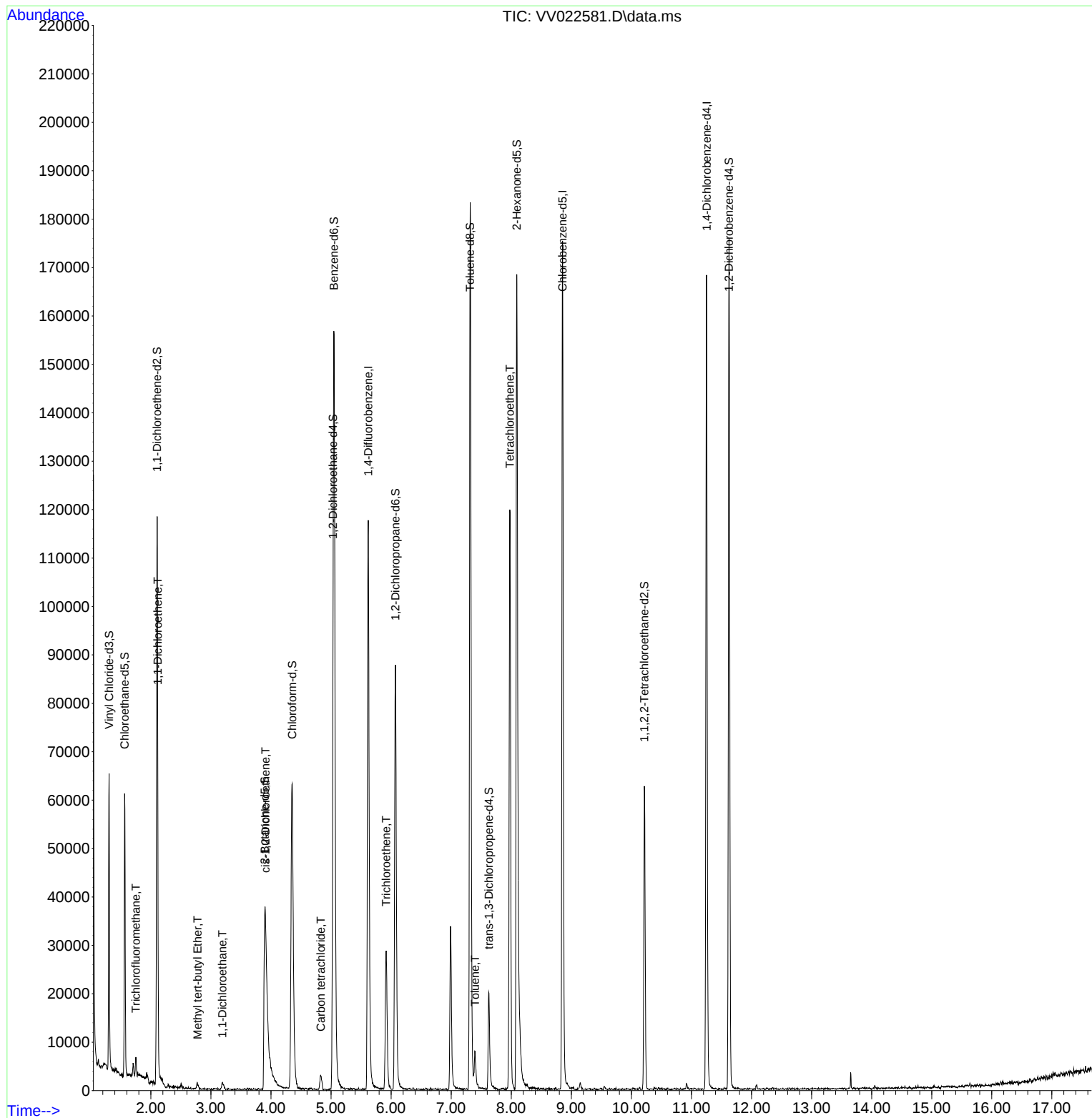
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 106447   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 102197   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.252 | 152   | 46919    | 5.000    | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 37683    | 11.049   | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 221.000%# |
| 7) Chloroethane-d5            | 1.564  | 69    | 34818    | 7.574    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 151.400%# |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 58770    | 5.939    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 118.800%  |
| 20) 2-Butanone-d5             | 3.899  | 46    | 79929    | 39.647   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 79.300%   |
| 24) Chloroform-d              | 4.352  | 84    | 66492    | 5.063    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 34500    | 5.577    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 111.600%  |
| 32) Benzene-d6                | 5.050  | 84    | 142490   | 6.187    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 123.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 42450    | 5.224    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 104.400%  |
| 41) Toluene-d8                | 7.317  | 98    | 122610   | 6.351    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 127.000%  |
| 43) trans-1,3-Dichloroprop... | 7.628  | 79    | 12236    | 5.691    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 113.800%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 57952    | 43.528   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 87.060%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 27777    | 4.499    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 90.000%   |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 47203    | 6.504    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 130.000%# |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 1906     | 0.155    | ug/L   | 84        |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 2077     | 0.319    | ug/L # | 1         |
| 17) Methyl tert-butyl Ether   | 2.777  | 73    | 1262     | 0.076    | ug/L # | 88        |
| 19) 1,1-Dichloroethane        | 3.191  | 63    | 1967     | 0.154    | ug/L   | 95        |
| 22) cis-1,2-Dichloroethene    | 3.908  | 96    | 1279     | 0.166    | ug/L   | 97        |
| 31) Carbon tetrachloride      | 4.831  | 117   | 1999     | 0.193    | ug/L   | 97        |
| 34) Trichloroethene           | 5.918  | 95    | 9652     | 1.206    | ug/L   | 97        |
| 42) Toluene                   | 7.397  | 91    | 5844     | 0.202    | ug/L   | 99        |
| 47) Tetrachloroethene         | 7.979  | 164   | 28309    | 4.548    | ug/L   | 97        |
| -----                         |        |       |          |          |        |           |

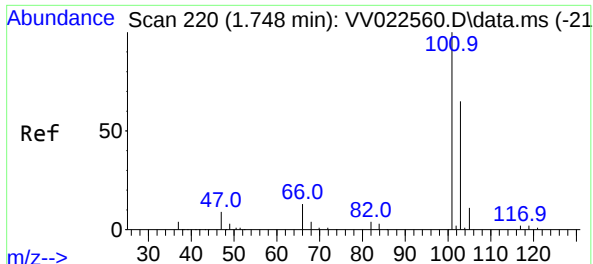
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Oct 06 05:22:36 2021  
Response via : Initial Calibration

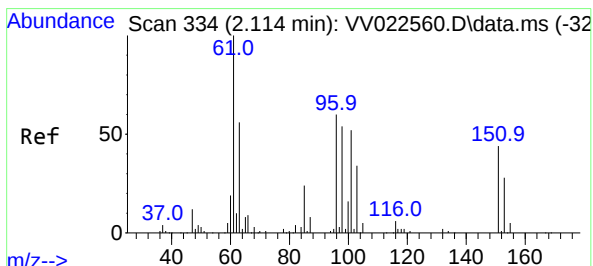
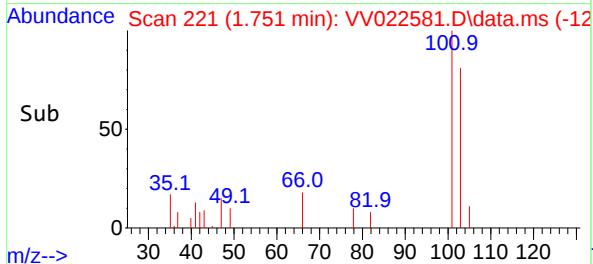
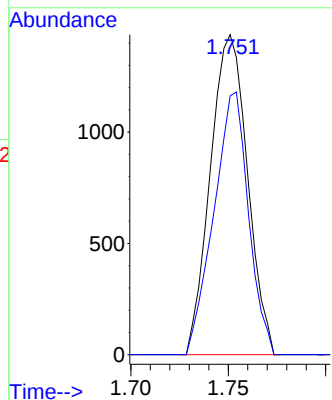
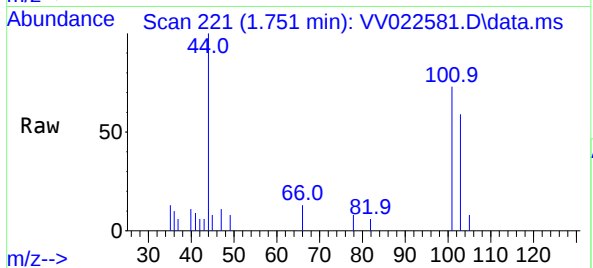




#9  
Trichlorofluoromethane  
Concen: 0.155 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. 0.003 min  
Lab File: VV022581.D  
Acq: 05 Oct 2021 18:39

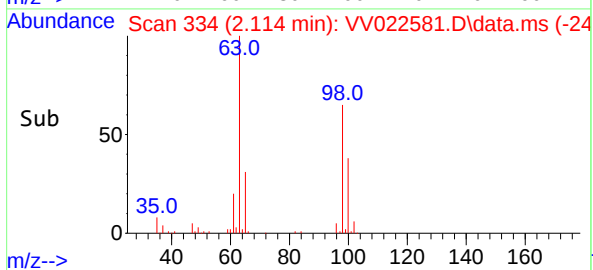
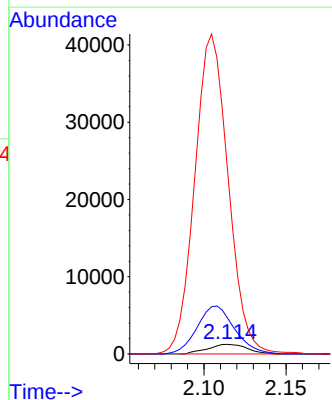
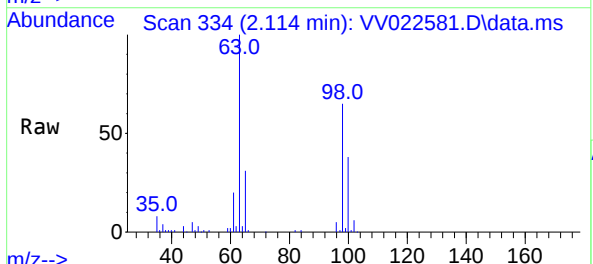
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AX5

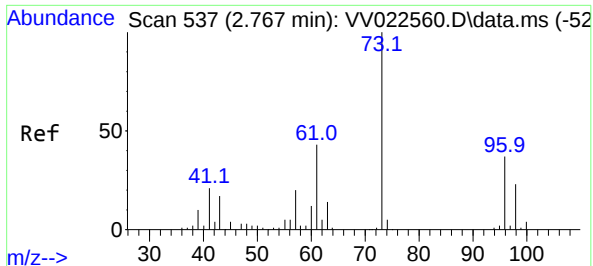
Tgt Ion:101 Resp: 1906  
Ion Ratio Lower Upper  
101 100  
103 76.7 51.4 77.2



#12  
1,1-Dichloroethene  
Concen: 0.319 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. -0.000 min  
Lab File: VV022581.D  
Acq: 05 Oct 2021 18:39

Tgt Ion: 96 Resp: 2077  
Ion Ratio Lower Upper  
96 100  
61 377.2 113.2 210.2#  
63 1928.9 66.6 123.8#

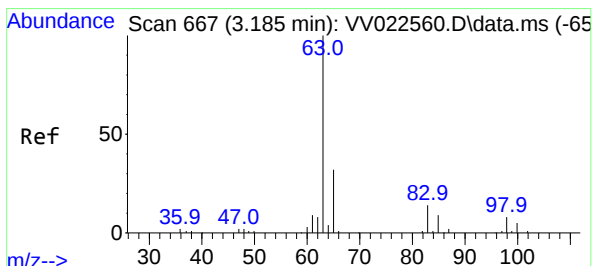
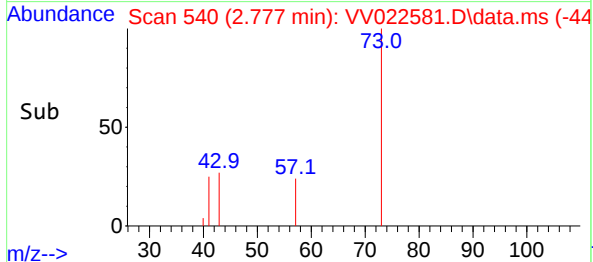
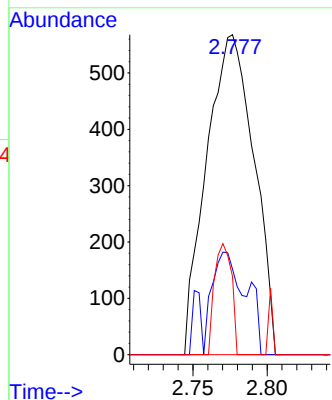
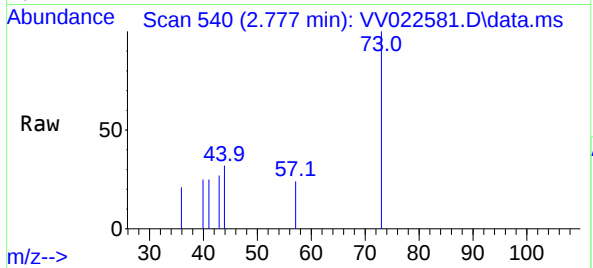




#17  
Methyl tert-butyl Ether  
Concen: 0.076 ug/L  
RT: 2.777 min Scan# 540  
Delta R.T. 0.010 min  
Lab File: VV022581.D  
Acq: 05 Oct 2021 18:39

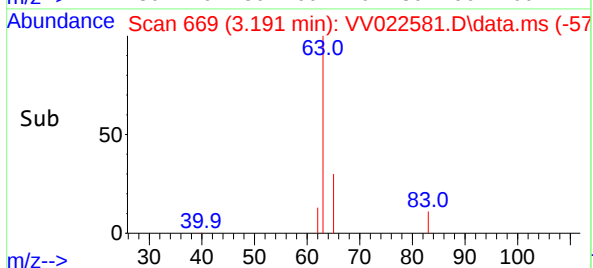
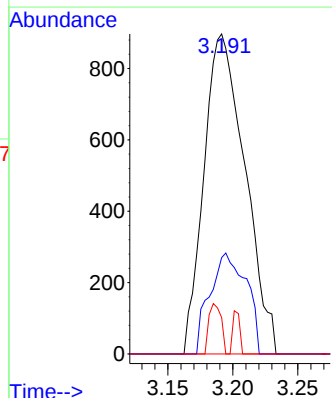
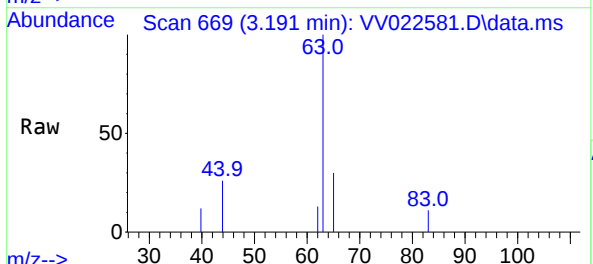
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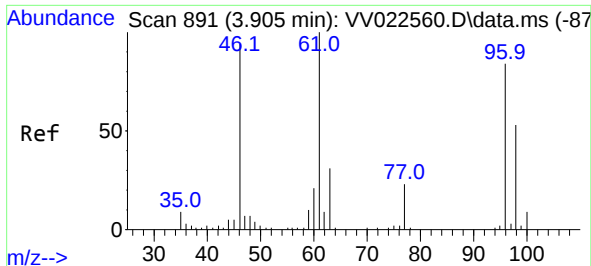
Tgt Ion: 73 Resp: 1262  
Ion Ratio Lower Upper  
73 100  
43 18.9 16.3 24.5  
57 12.4 17.5 26.3#



#19  
1,1-Dichloroethane  
Concen: 0.154 ug/L  
RT: 3.191 min Scan# 669  
Delta R.T. 0.006 min  
Lab File: VV022581.D  
Acq: 05 Oct 2021 18:39

Tgt Ion: 63 Resp: 1967  
Ion Ratio Lower Upper  
63 100  
65 30.1 22.8 42.4  
83 11.4 10.2 19.0

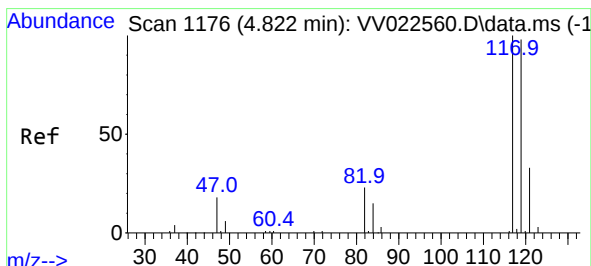
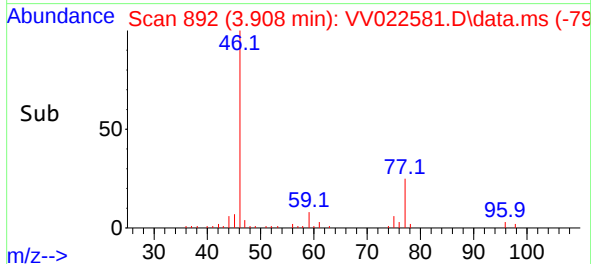
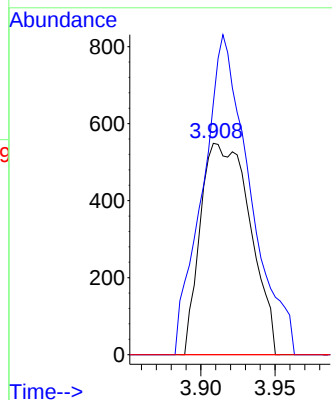
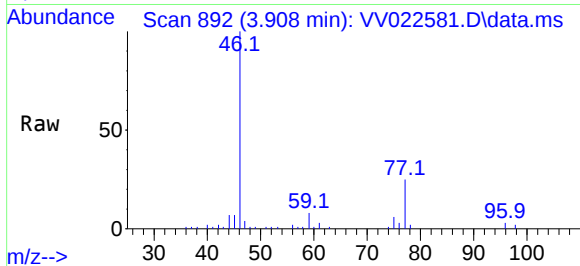




#22  
cis-1,2-Dichloroethene  
Concen: 0.166 ug/L  
RT: 3.908 min Scan# 892  
Delta R.T. 0.003 min  
Lab File: VV022581.D  
Acq: 05 Oct 2021 18:39

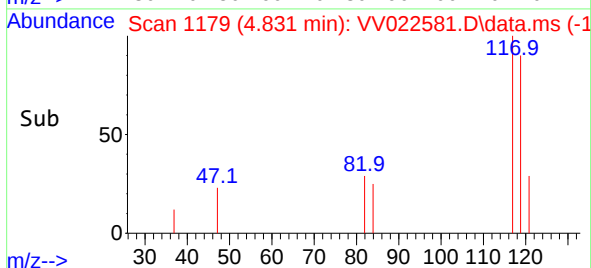
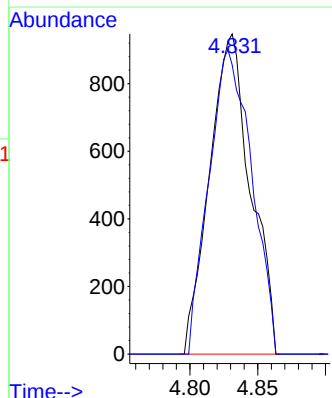
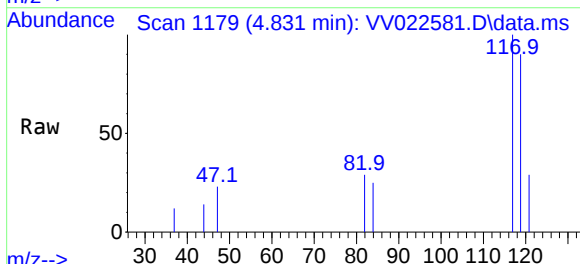
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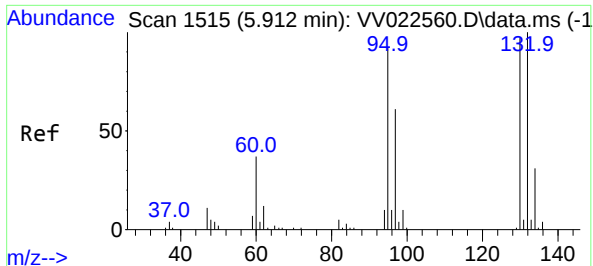
Tgt Ion: 96 Resp: 1279  
Ion Ratio Lower Upper  
96 100  
61 118.9 85.6 159.0  
68 0.0 0.0 0.0



#31  
Carbon tetrachloride  
Concen: 0.193 ug/L  
RT: 4.831 min Scan# 1179  
Delta R.T. 0.010 min  
Lab File: VV022581.D  
Acq: 05 Oct 2021 18:39

Tgt Ion: 117 Resp: 1999  
Ion Ratio Lower Upper  
117 100  
119 98.8 76.9 115.3



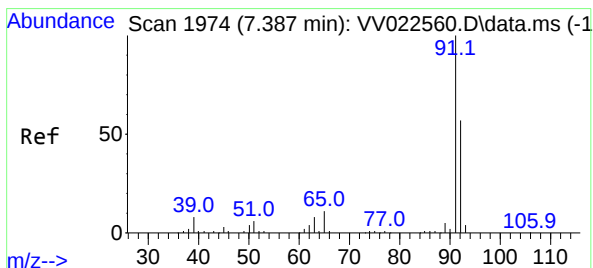
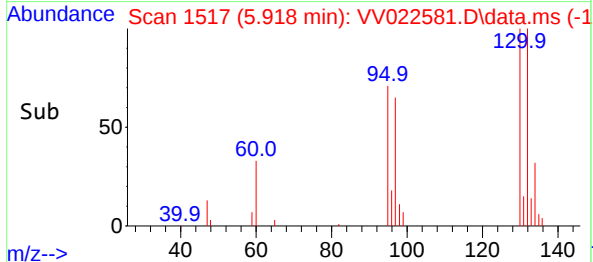
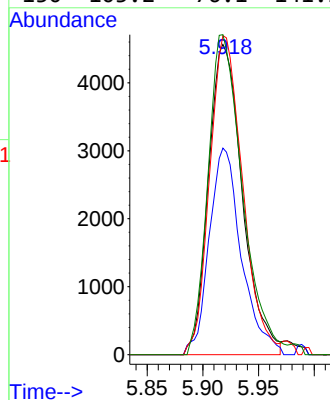
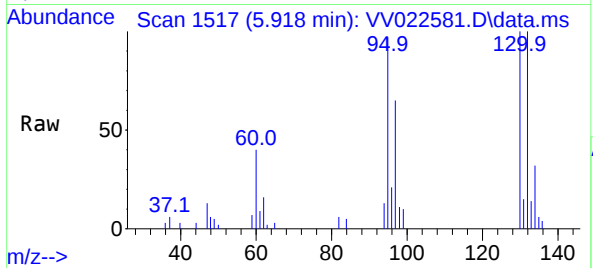


#34  
Trichloroethene  
Concen: 1.206 ug/L  
RT: 5.918 min Scan# 1517  
Delta R.T. 0.006 min  
Lab File: VV022581.D  
Acq: 05 Oct 2021 18:39

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AX5

Tgt Ion: 95 Resp: 9652

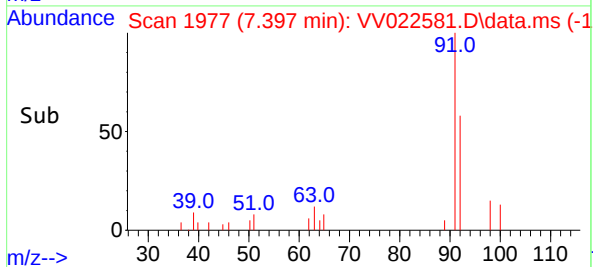
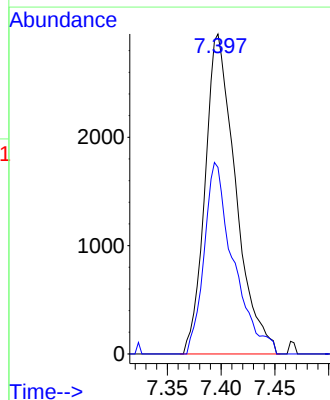
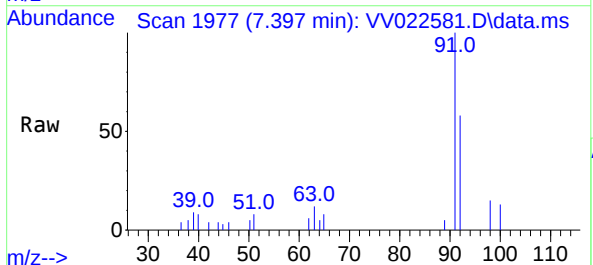
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.6  | 46.5  | 86.5  |
| 132 | 102.9 | 73.0  | 135.6 |
| 130 | 103.2 | 76.1  | 141.3 |

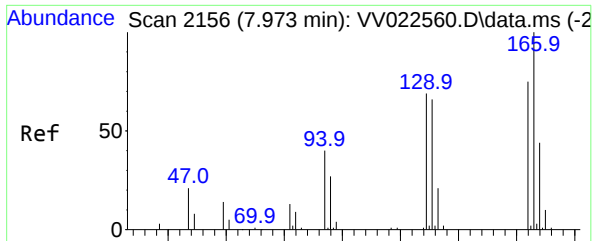


#42  
Toluene  
Concen: 0.202 ug/L  
RT: 7.397 min Scan# 1977  
Delta R.T. 0.010 min  
Lab File: VV022581.D  
Acq: 05 Oct 2021 18:39

Tgt Ion: 91 Resp: 5844

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 58.3  | 40.5  | 75.3  |





#47  
Tetrachloroethene  
Concen: 4.548 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.006 min  
Lab File: VV022581.D  
Acq: 05 Oct 2021 18:39

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Tgt Ion:164 Resp: 28309

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 91.8  | 65.5  | 121.6 |
| 131 | 94.7  | 62.4  | 116.0 |
| 166 | 131.1 | 91.1  | 169.3 |

