

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV102021\  
 Data File : VV022930.D  
 Acq On : 20 Oct 2021 14:30  
 Operator : SY/MD  
 Sample : M4200-03DL 20X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFG3DL

Quant Time: Oct 21 02:45:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100721WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 21 02:43:59 2021  
 Response via : Initial Calibration

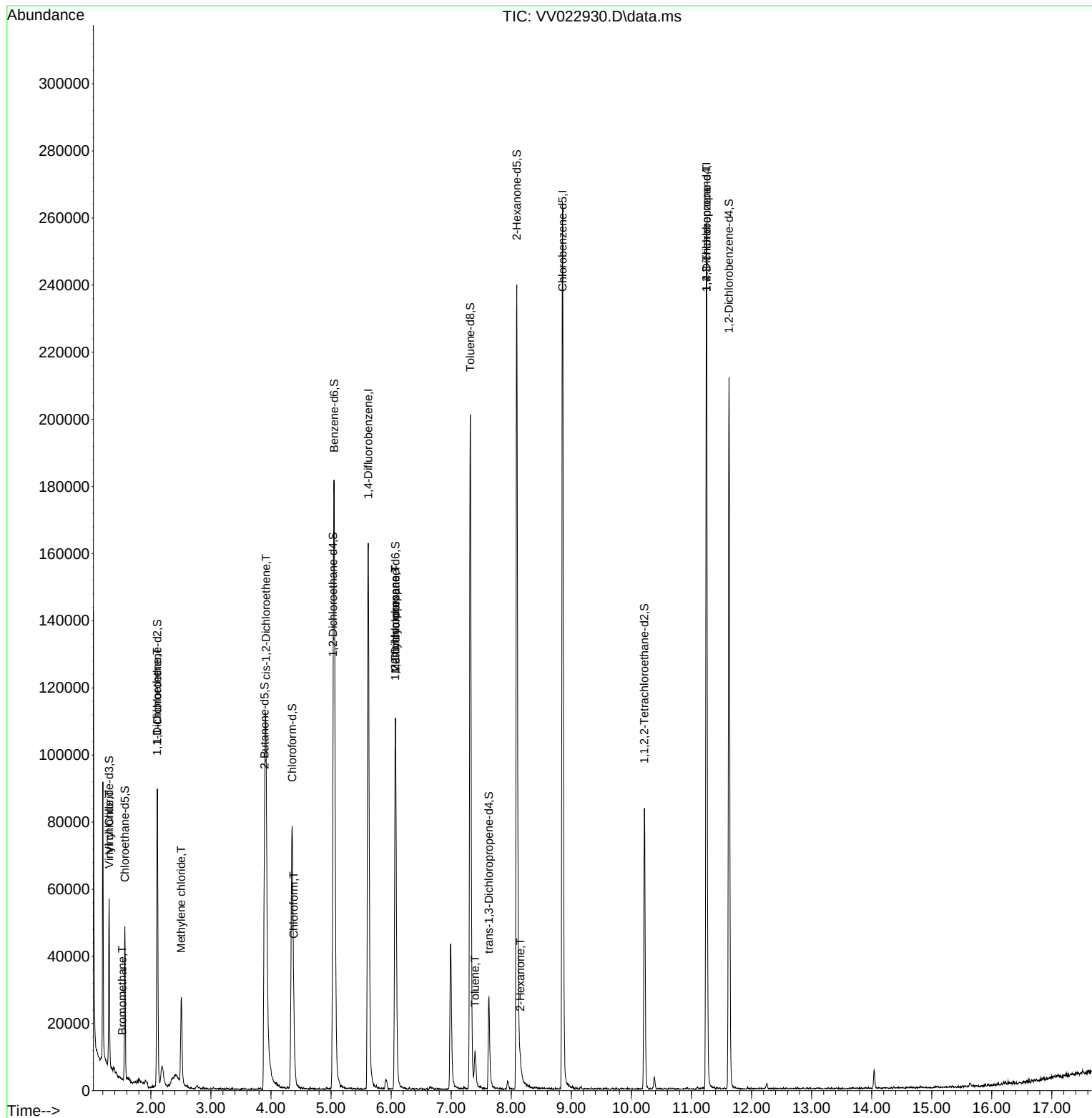
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 146544   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 152312   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 69348    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 30507    | 3.026    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 60.600%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 27790    | 3.067    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 61.400%# |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 44842    | 2.267    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 45.400%# |
| 20) 2-Butanone-d5             | 3.892  | 46    | 112314   | 42.484   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 84.960%  |
| 24) Chloroform-d              | 4.352  | 84    | 81107    | 3.904    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 78.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 40812    | 4.047    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 81.000%  |
| 32) Benzene-d6                | 5.053  | 84    | 166018   | 3.661    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 73.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 55126    | 4.105    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 82.200%  |
| 41) Toluene-d8                | 7.317  | 98    | 137811   | 3.516    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 70.400%  |
| 43) trans-1,3-Dichloroprop... | 7.628  | 79    | 15933    | 3.577    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 71.600%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 81425    | 45.359   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 90.720%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 41336    | 4.544    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 90.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 56663    | 4.407    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 88.200%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 5) Vinyl chloride             | 1.307  | 62    | 817      | 0.074    | ug/L # | 38       |
| 6) Bromomethane               | 1.523  | 94    | 290      | 0.042    | ug/L   | 73       |
| 12) 1,1-Dichloroethene        | 2.105  | 96    | 552      | 0.062    | ug/L # | 1        |
| 16) Methylene chloride        | 2.506  | 84    | 10764    | 0.883    | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 45291    | 4.481    | ug/L   | 95       |
| 25) Chloroform                | 4.378  | 83    | 8958     | 0.446    | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.072  | 83    | 13247    | 0.848    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.069  | 63    | 5682     | 0.576    | ug/L # | 84       |
| 42) Toluene                   | 7.397  | 91    | 8306     | 0.199    | ug/L   | 98       |
| 48) 2-Hexanone                | 8.153  | 43    | 3172     | 0.818    | ug/L # | 91       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 7337     | 1.523    | ug/L # | 62       |
| -----                         |        |       |          |          |        |          |

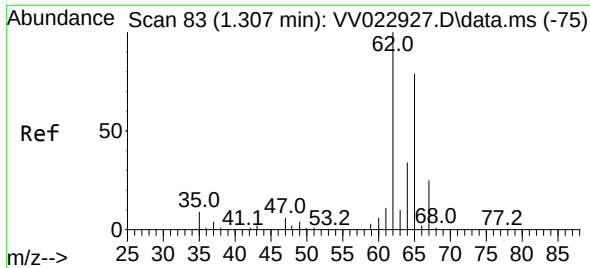
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Oct 21 02:43:59 2021  
Response via : Initial Calibration

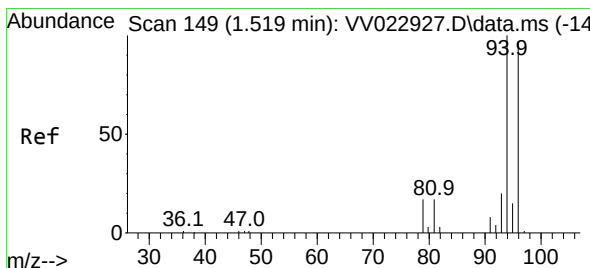
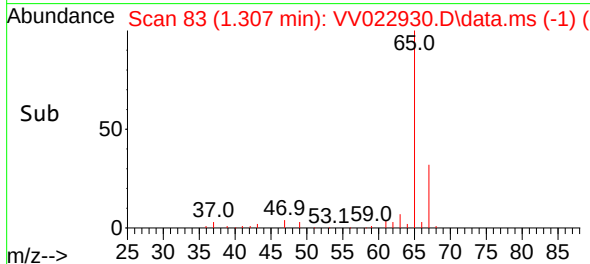
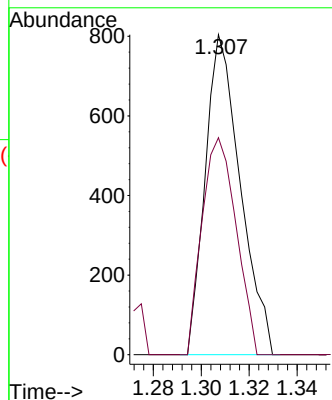
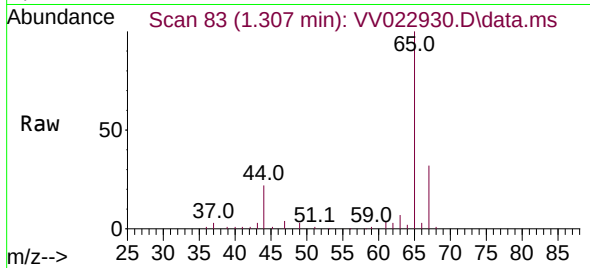




#5  
 Vinyl chloride  
 Concen: 0.074 ug/L  
 RT: 1.307 min Scan# 83  
 Delta R.T. -0.000 min  
 Lab File: VV022930.D  
 Acq: 20 Oct 2021 14:30

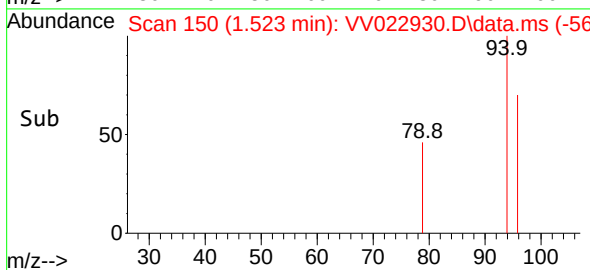
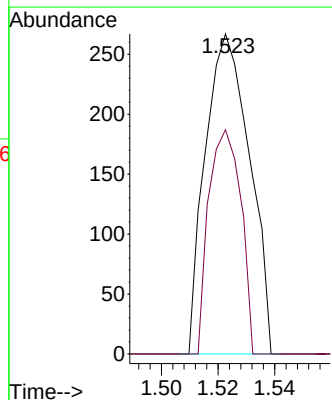
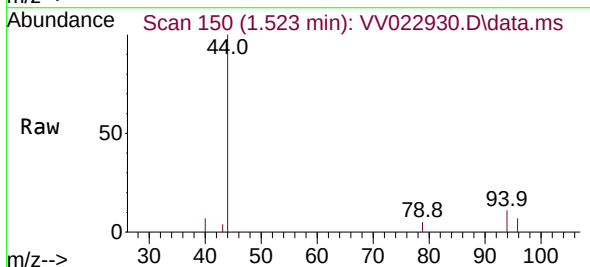
Instrument :  
 MSVOA\_V  
 ClientSampleID :  
 BFGE3DL

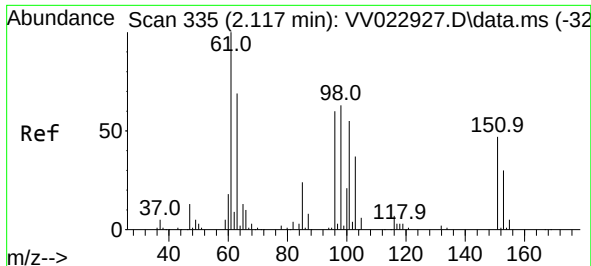
Tgt Ion: 62 Resp: 817  
 Ion Ratio Lower Upper  
 62 100  
 64 67.8 23.0 42.8#



#6  
 Bromomethane  
 Concen: 0.042 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. 0.003 min  
 Lab File: VV022930.D  
 Acq: 20 Oct 2021 14:30

Tgt Ion: 94 Resp: 290  
 Ion Ratio Lower Upper  
 94 100  
 96 70.0 67.2 124.8

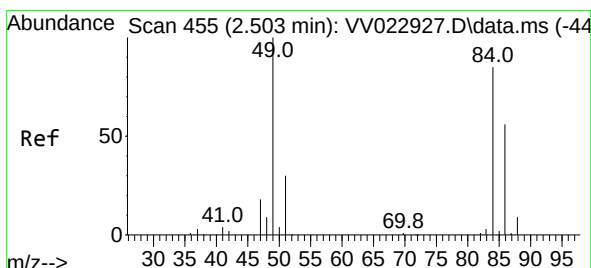
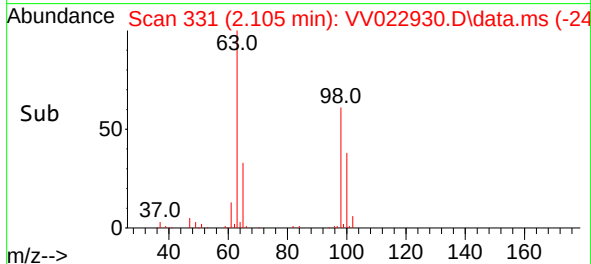
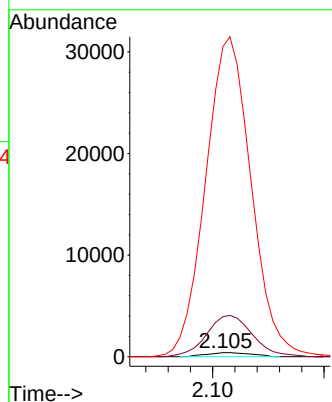
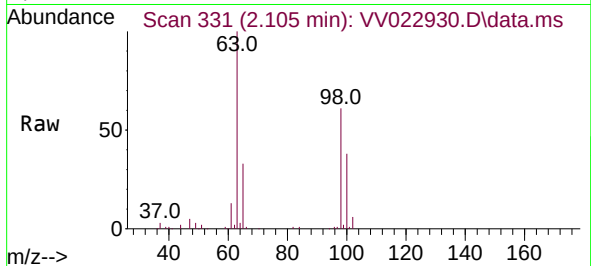




#12  
1,1-Dichloroethene  
Concen: 0.062 ug/L  
RT: 2.105 min Scan# 331  
Delta R.T. -0.013 min  
Lab File: VV022930.D  
Acq: 20 Oct 2021 14:30

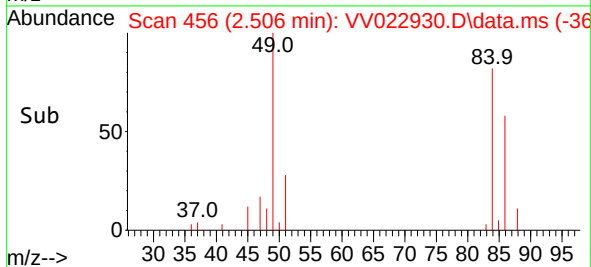
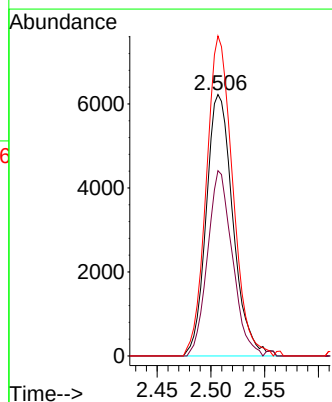
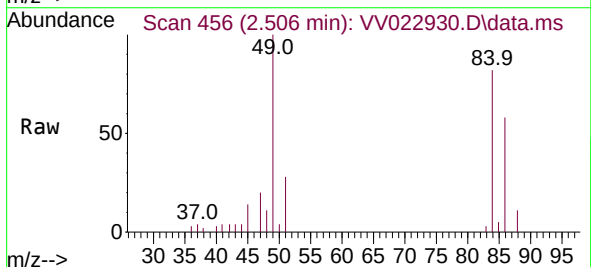
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFGE3DL

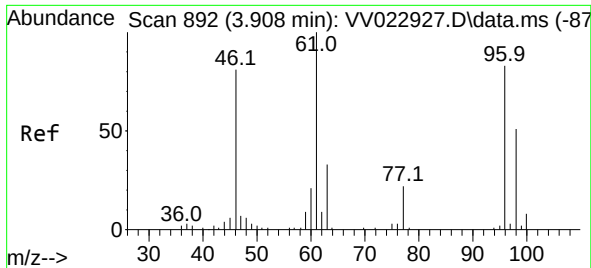
Tgt Ion: 96 Resp: 552  
Ion Ratio Lower Upper  
96 100  
61 1009.2 127.3 236.5#  
63 7819.5 106.2 197.2#



#16  
Methylene chloride  
Concen: 0.883 ug/L  
RT: 2.506 min Scan# 456  
Delta R.T. 0.003 min  
Lab File: VV022930.D  
Acq: 20 Oct 2021 14:30

Tgt Ion: 84 Resp: 10764  
Ion Ratio Lower Upper  
84 100  
86 70.9 45.8 85.2  
49 122.4 90.3 167.7

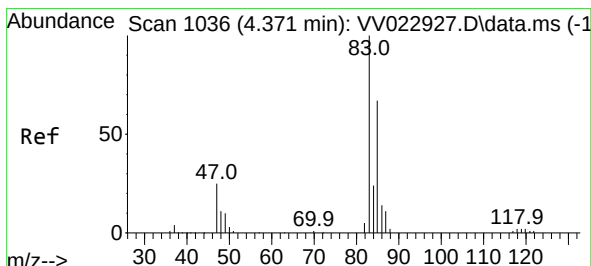
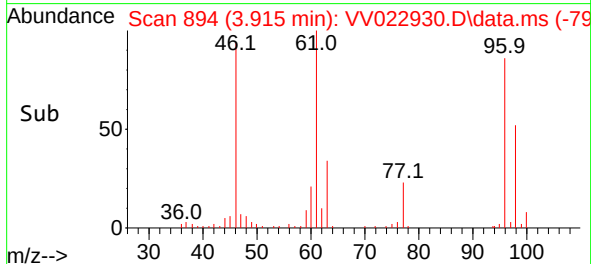
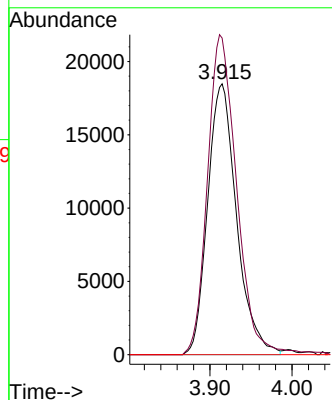
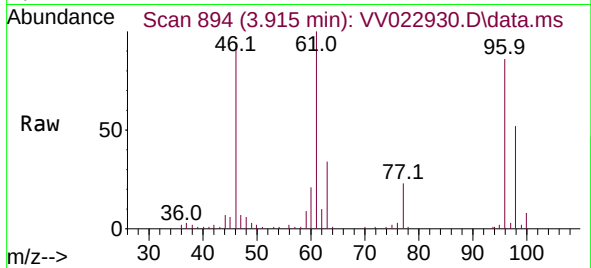




#22  
cis-1,2-Dichloroethene  
Concen: 4.481 ug/L  
RT: 3.915 min Scan# 894  
Delta R.T. 0.006 min  
Lab File: VV022930.D  
Acq: 20 Oct 2021 14:30

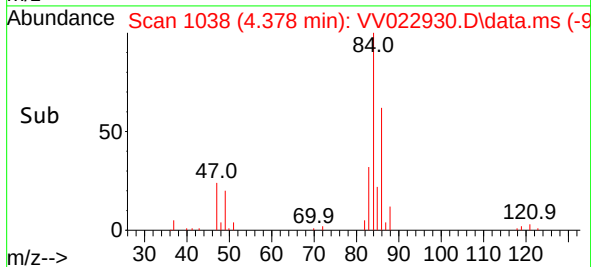
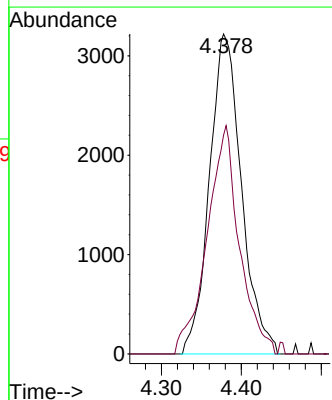
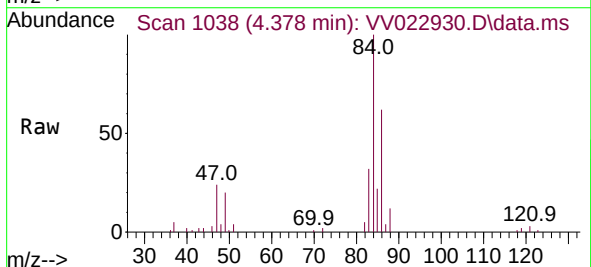
Instrument :  
MSVOA\_V  
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BFGE3DL

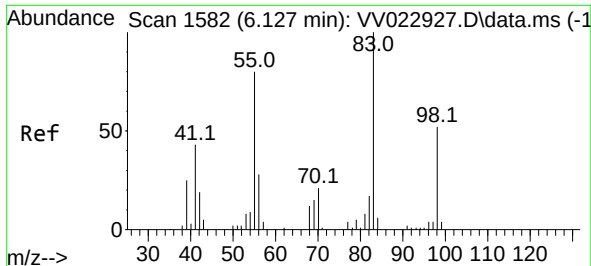
Tgt Ion: 96 Resp: 45291  
Ion Ratio Lower Upper  
96 100  
61 116.9 86.0 159.6  
68 0.0 0.0 0.0



#25  
Chloroform  
Concen: 0.446 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VV022930.D  
Acq: 20 Oct 2021 14:30

Tgt Ion: 83 Resp: 8958  
Ion Ratio Lower Upper  
83 100  
85 68.3 45.7 84.9

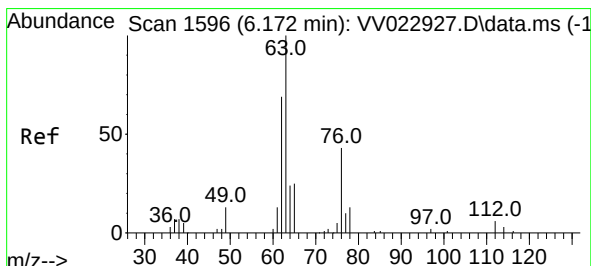
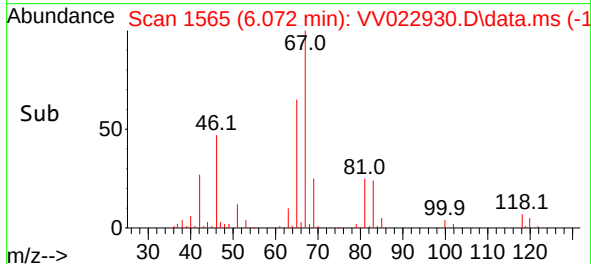
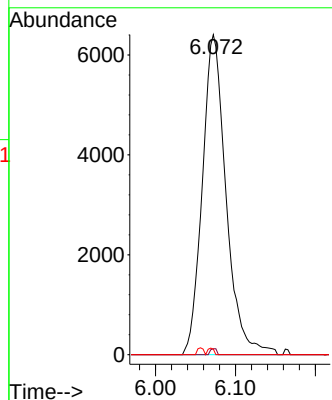
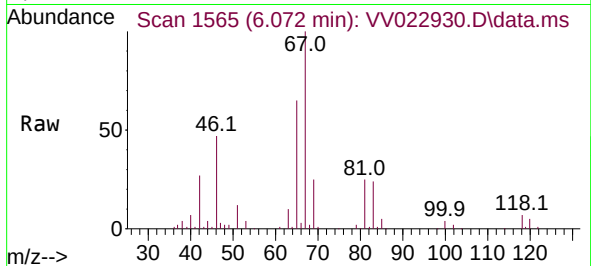




#35  
Methylcyclohexane  
Concen: 0.848 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.055 min  
Lab File: VV022930.D  
Acq: 20 Oct 2021 14:30

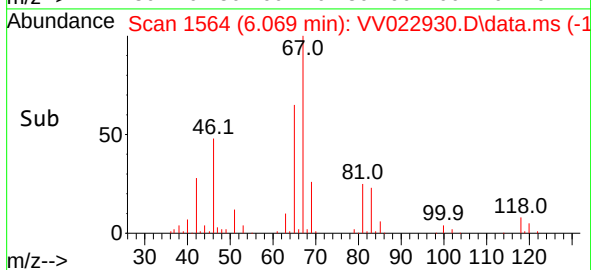
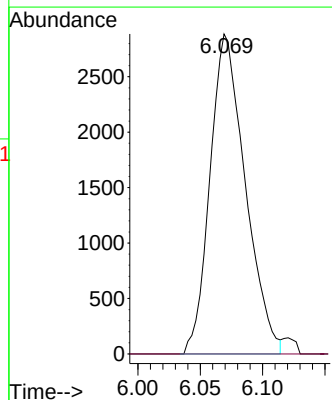
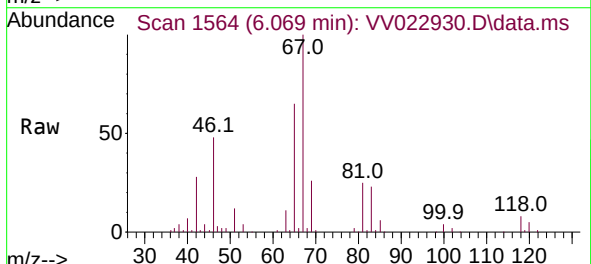
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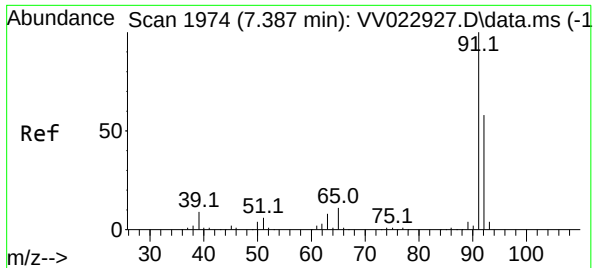
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 13247 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.5   | 63.8  | 95.6# |
| 98       | 0.5   | 42.1  | 63.1# |



#37  
1,2-Dichloropropane  
Concen: 0.576 ug/L  
RT: 6.069 min Scan# 1564  
Delta R.T. -0.103 min  
Lab File: VV022930.D  
Acq: 20 Oct 2021 14:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 5682  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 112      | 0.0   | 4.4   | 6.6#  |

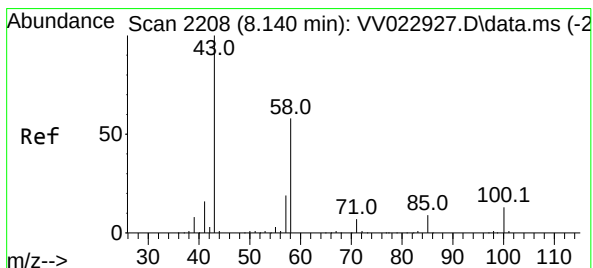
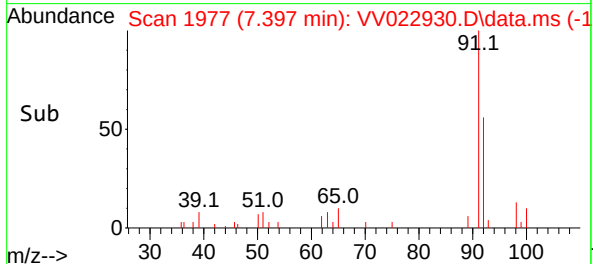
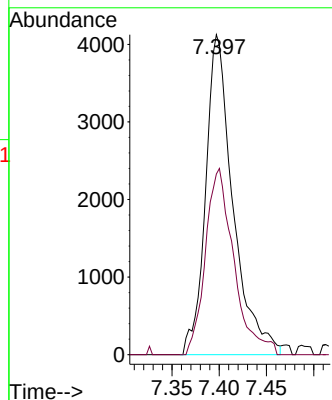
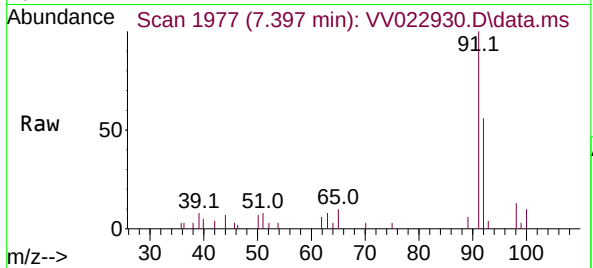




#42  
Toluene  
Concen: 0.199 ug/L  
RT: 7.397 min Scan# 1977  
Delta R.T. 0.010 min  
Lab File: VV022930.D  
Acq: 20 Oct 2021 14:30

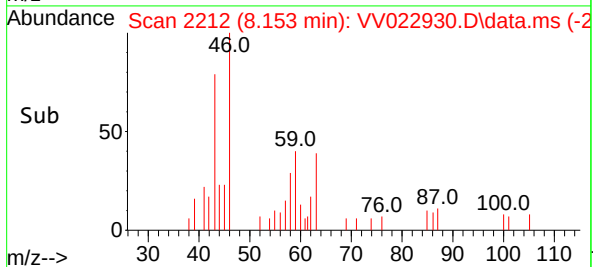
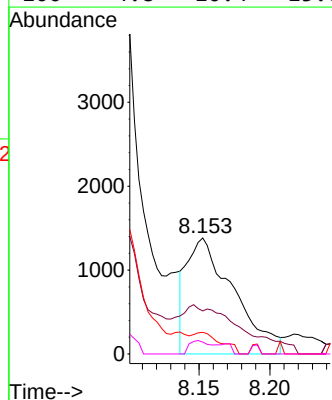
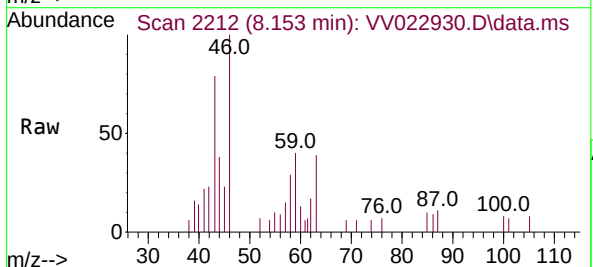
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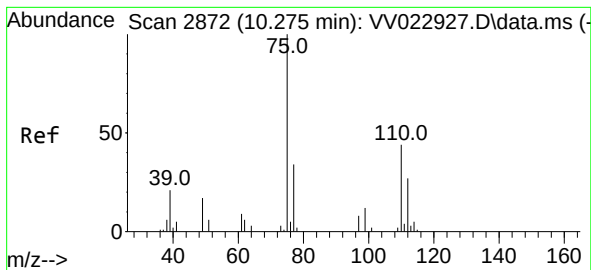
Tgt Ion: 91 Resp: 8306  
Ion Ratio Lower Upper  
91 100  
92 56.4 40.7 75.7



#48  
2-Hexanone  
Concen: 0.818 ug/L  
RT: 8.153 min Scan# 2212  
Delta R.T. 0.013 min  
Lab File: VV022930.D  
Acq: 20 Oct 2021 14:30

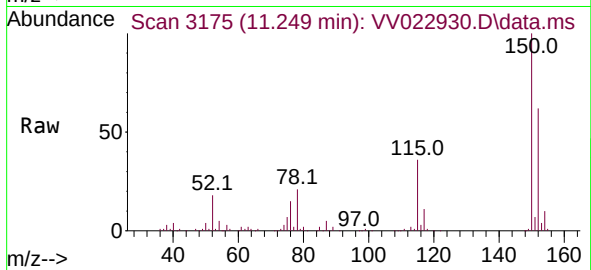
Tgt Ion: 43 Resp: 3172  
Ion Ratio Lower Upper  
43 100  
58 56.7 47.4 71.0  
57 11.0 15.3 22.9#  
100 4.8 10.4 15.6#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.523 ug/L  
 RT: 11.249 min Scan# 3175  
 Delta R.T. 0.974 min  
 Lab File: VV022930.D  
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Tgt Ion: 75 Resp: 7337  
 Ion Ratio Lower Upper  
 75 100  
 77 33.8 25.4 38.2  
 110 2.2 34.2 51.4#

