

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV091721\  
 Data File : VV022202.D  
 Acq On : 17 Sep 2021 22:18  
 Operator : SY/MD  
 Sample : M3676-21  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0CF0

Quant Time: Sep 18 04:44:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 18 04:25:40 2021  
 Response via : Initial Calibration

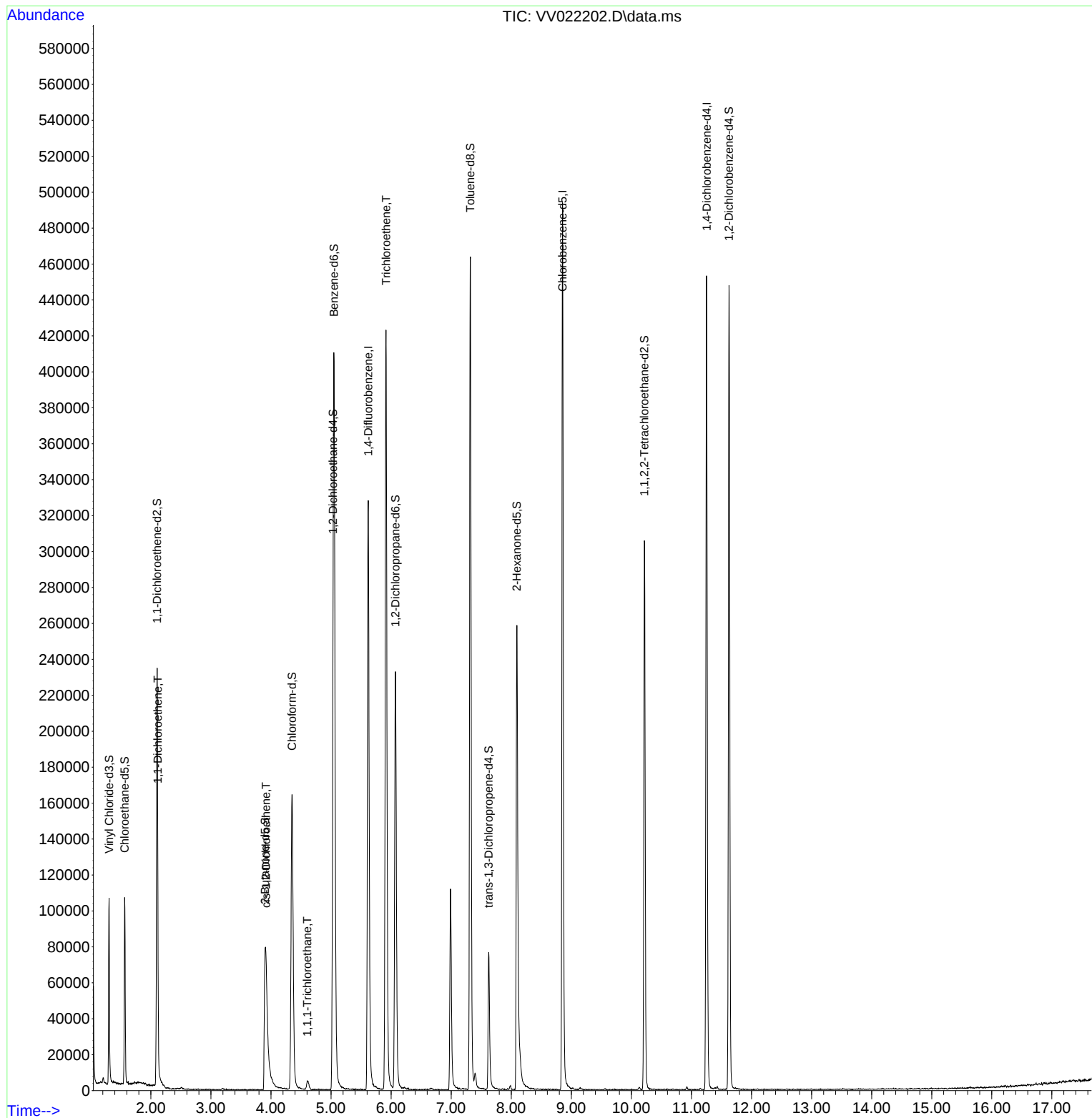
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 294628     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854          | 117  | 277801     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252         | 152  | 122870     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 67037      | 32.856   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 65.720%  |        |          |
| 7) Chloroethane-d5            | 1.565          | 69   | 65031      | 40.814   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 81.620%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.105          | 63   | 114678     | 33.985   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 67.980%  |        |          |
| 21) 2-Butanone-d5             | 3.902          | 46   | 146250     | 104.517  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 104.520% |        |          |
| 24) Chloroform-d              | 4.349          | 84   | 174117     | 46.801   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.600%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65   | 111077     | 50.689   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 101.380% |        |          |
| 32) Benzene-d6                | 5.050          | 84   | 353856     | 46.962   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.920%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 116490     | 49.160   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 98.320%  |        |          |
| 41) Toluene-d8                | 7.320          | 98   | 312536     | 43.940   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 87.880%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79   | 44592      | 39.537   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 79.080%  |        |          |
| 47) 2-Hexanone-d5             | 8.092          | 63   | 89634      | 98.583   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 98.580%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217         | 84   | 145391     | 47.907   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 95.820%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625         | 152  | 120145     | 49.740   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 99.480%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.114          | 96   | 10197      | 6.000    | ug/L # | 1        |
| 20) cis-1,2-Dichloroethene    | 3.915          | 96   | 9621       | 4.207    | ug/L   | 94       |
| 30) 1,1,1-Trichloroethane     | 4.606          | 97   | 4326       | 1.310    | ug/L # | 88       |
| 34) Trichloroethene           | 5.915          | 95   | 144008     | 62.902   | ug/L   | 98       |
| -----                         |                |      |            |          |        |          |

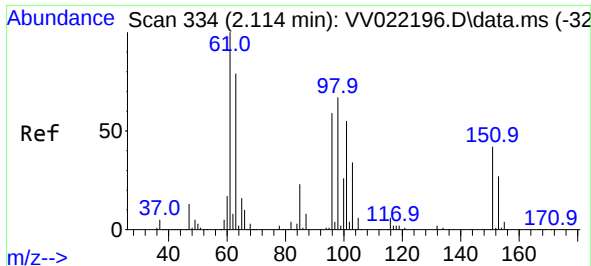
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 6.000 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.000 min

Lab File: VV022202.D

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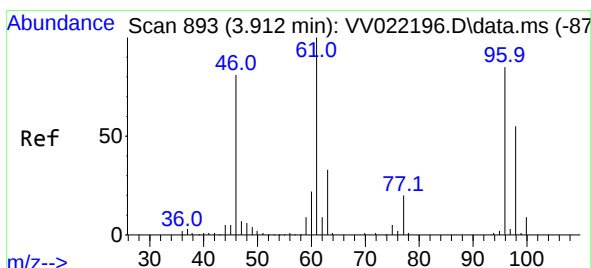
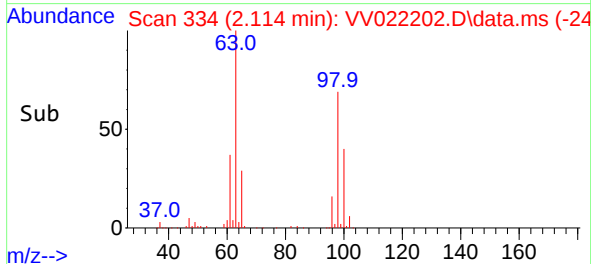
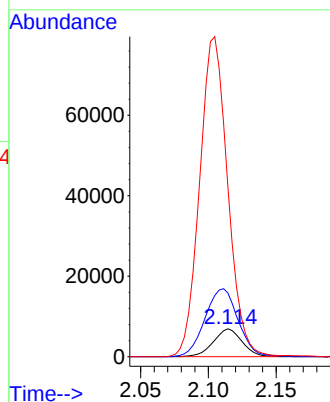
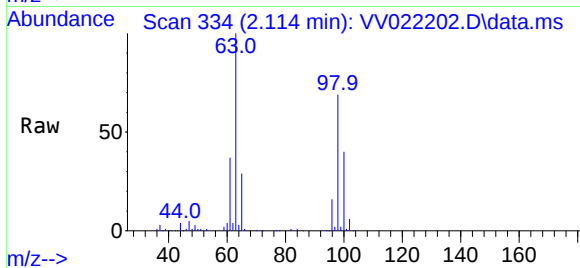
Tgt Ion: 96 Resp: 10197

Ion Ratio Lower Upper

96 100

61 228.7 113.2 210.2#

63 611.0 102.3 189.9#



#20

cis-1,2-Dichloroethene

Concen: 4.207 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.003 min

Lab File: VV022202.D

Acq: 17 Sep 2021 22:18

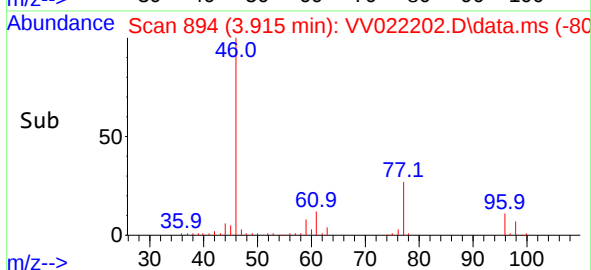
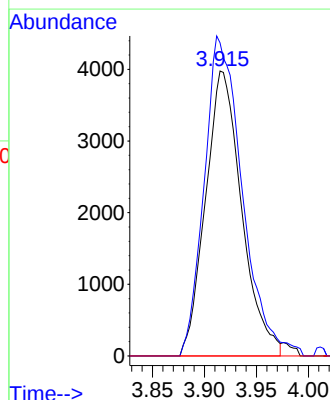
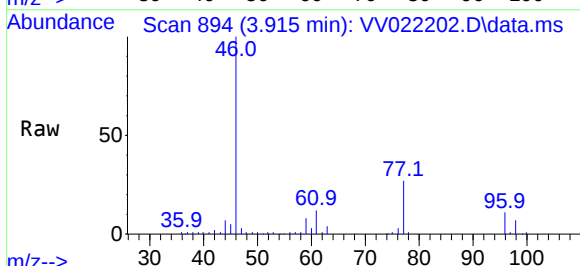
Tgt Ion: 96 Resp: 9621

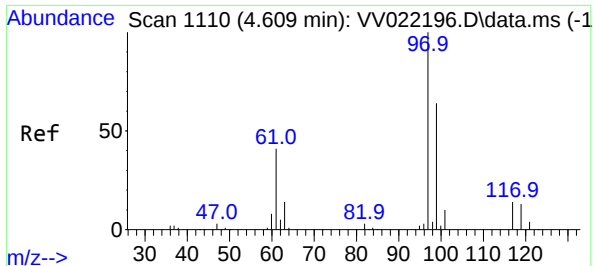
Ion Ratio Lower Upper

96 100

61 109.8 81.8 152.0

68 0.0 0.0 0.0

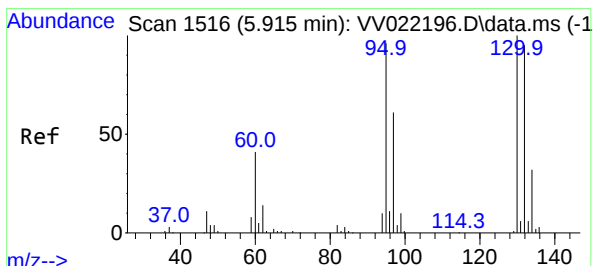
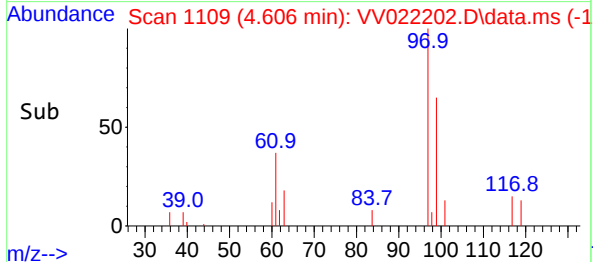
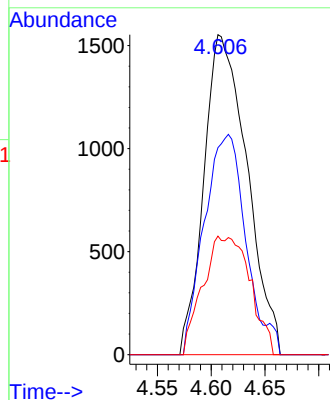
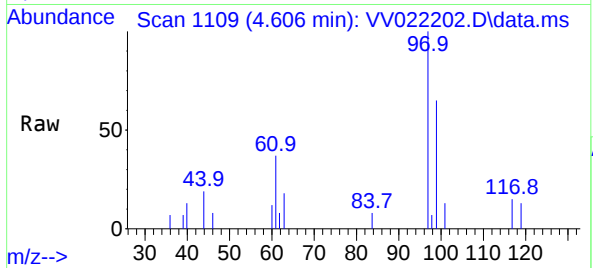




#30  
1,1,1-Trichloroethane  
Concen: 1.310 ug/L  
RT: 4.606 min Scan# 1109  
Delta R.T. -0.003 min  
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Tgt Ion: 97 Resp: 4326  
Ion Ratio Lower Upper  
97 100  
99 64.9 52.0 78.0  
61 19.9 31.8 47.8#



#34  
Trichloroethene  
Concen: 62.902 ug/L  
RT: 5.915 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VV022202.D  
Acq: 17 Sep 2021 22:18

Tgt Ion: 95 Resp: 144008  
Ion Ratio Lower Upper  
95 100  
97 66.2 44.1 81.9  
132 100.7 70.7 131.3  
130 104.7 74.8 139.0

