

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW031924\  
 Data File : VW034710.D  
 Acq On : 18 Mar 2024 21:07  
 Operator : SY/MD  
 Sample : P1766-13  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COGN2

Quant Time: Mar 19 02:57:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 19 02:53:17 2024  
 Response via : Initial Calibration

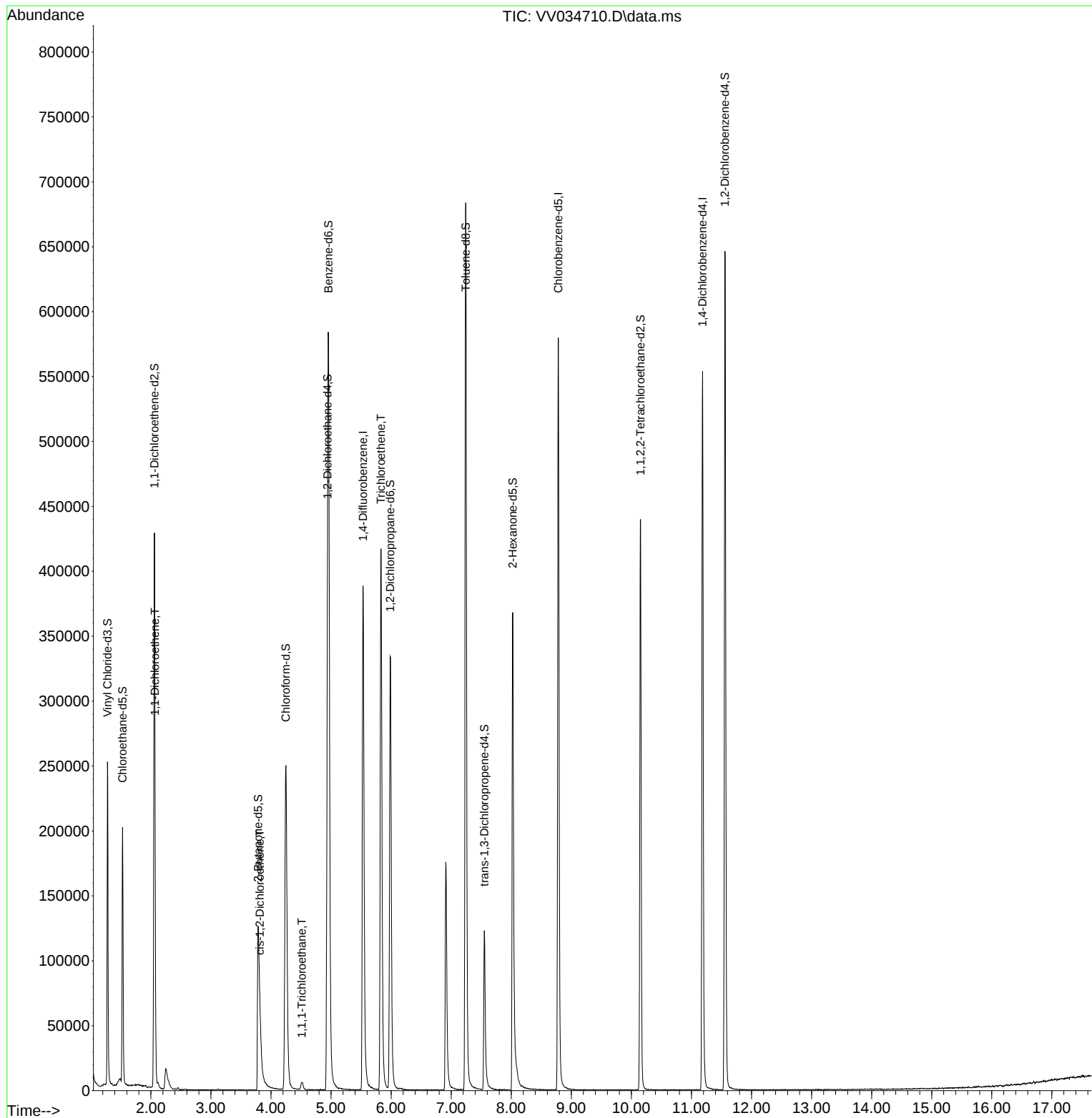
| Compound                      | R.T.     | QIon  | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|----------|-------|----------|---------|----------|----------|
| -----                         |          |       |          |         |          |          |
| Internal Standards            |          |       |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 5.532    | 114   | 333226   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.783    | 117   | 315954   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185   | 152   | 140187   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |          |       |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.278    | 65    | 159406   | 55.182  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 135 | Recovery | =       | 110.360% |          |
| 7) Chloroethane-d5            | 1.529    | 69    | 125576   | 55.799  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 130 | Recovery | =       | 111.600% |          |
| 11) 1,1-Dichloroethene-d2     | 2.060    | 65    | 68144    | 52.161  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery | =       | 104.320% |          |
| 21) 2-Butanone-d5             | 3.786    | 46    | 207107   | 107.209 | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 40 | - 130 | Recovery | =       | 107.210% |          |
| 24) Chloroform-d              | 4.246    | 84    | 266580   | 52.193  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 104.380% |          |
| 26) 1,2-Dichloroethane-d4     | 4.941    | 65    | 174843   | 52.385  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 104.760% |          |
| 32) Benzene-d6                | 4.957    | 84    | 512818   | 53.779  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 107.560% |          |
| 36) 1,2-Dichloropropane-d6    | 5.986    | 67    | 159683   | 54.873  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 120 | Recovery | =       | 109.740% |          |
| 41) Toluene-d8                | 7.243    | 98    | 456575   | 52.910  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery | =       | 105.820% |          |
| 43) trans-1,3-Dichloroprop... | 7.551    | 79    | 72608    | 49.686  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery | =       | 99.380%  |          |
| 47) 2-Hexanone-d5             | 8.024    | 63    | 125685   | 86.491  | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 45 | - 130 | Recovery | =       | 86.490%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149   | 84    | 204441   | 53.384  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 65 | - 120 | Recovery | =       | 106.760% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.558   | 152   | 163545   | 57.075  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery | =       | 114.140% |          |
| Target Compounds              |          |       |          |         |          | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.069    | 96    | 11688    | 4.684   | ug/L #   | 1        |
| 20) cis-1,2-Dichloroethene    | 3.815    | 96    | 10625    | 4.055   | ug/L     | 98       |
| 30) 1,1,1-Trichloroethane     | 4.513    | 97    | 5217     | 1.151   | ug/L #   | 87       |
| 34) Trichloroethene           | 5.831    | 95    | 147317   | 52.845  | ug/L     | 97       |
| -----                         |          |       |          |         |          |          |

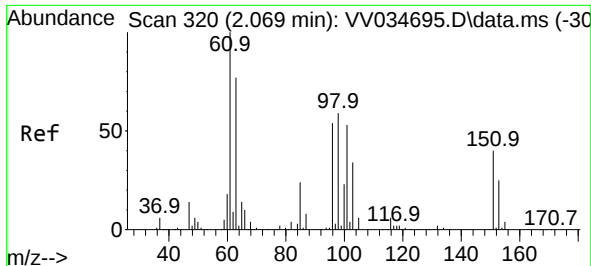
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.684 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV034710.D

Acq: 18 Mar 2024 21:07

Instrument :

MSVOA\_V

ClientSampleId :

COGN2

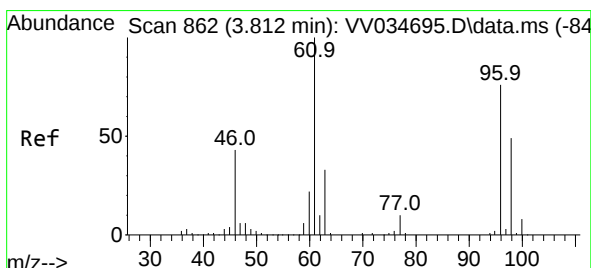
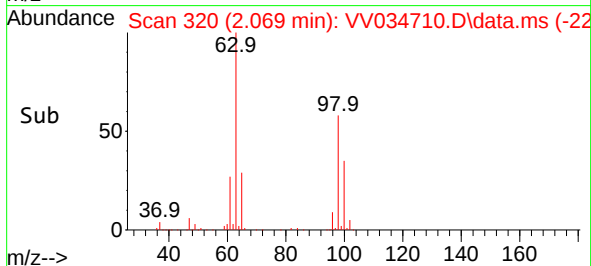
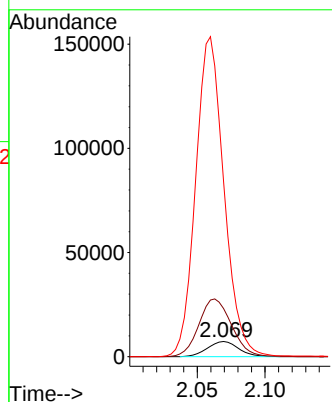
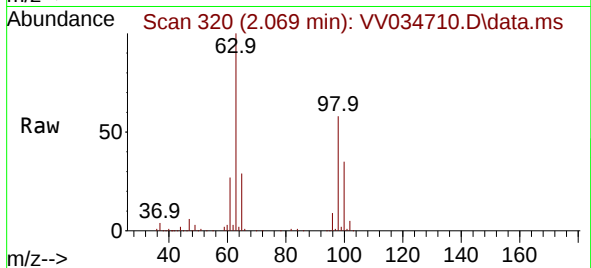
Tgt Ion: 96 Resp: 11688

Ion Ratio Lower Upper

96 100

61 318.3 128.9 239.3#

63 1157.7 98.0 182.0#



#20

cis-1,2-Dichloroethene

Concen: 4.055 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV034710.D

Acq: 18 Mar 2024 21:07

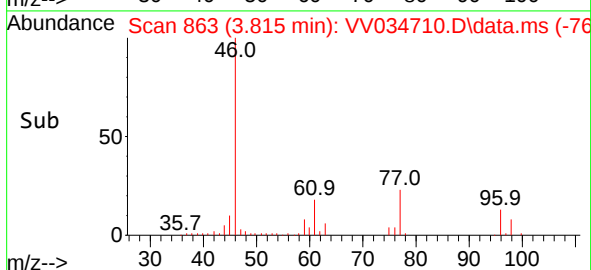
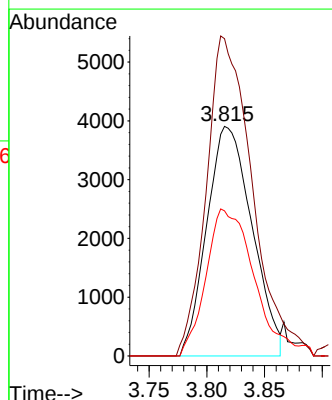
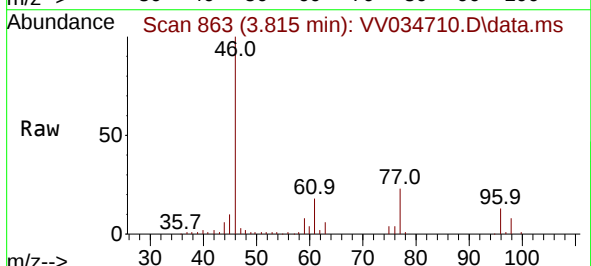
Tgt Ion: 96 Resp: 10625

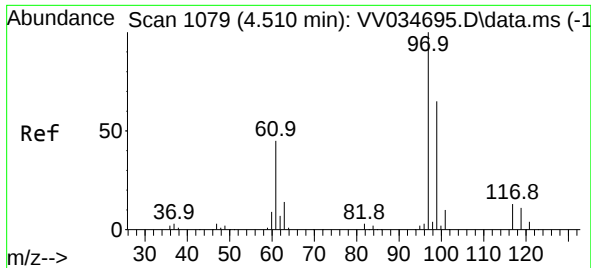
Ion Ratio Lower Upper

96 100

61 138.2 96.0 178.4

98 63.2 46.0 85.4

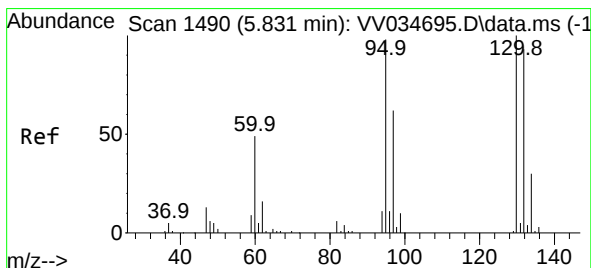
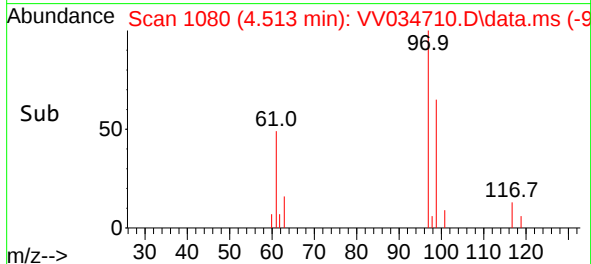
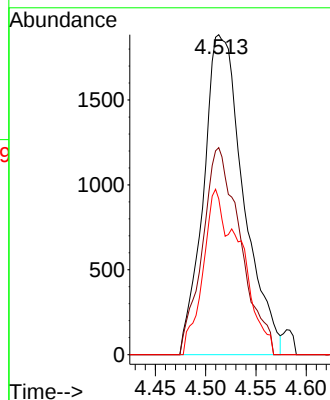
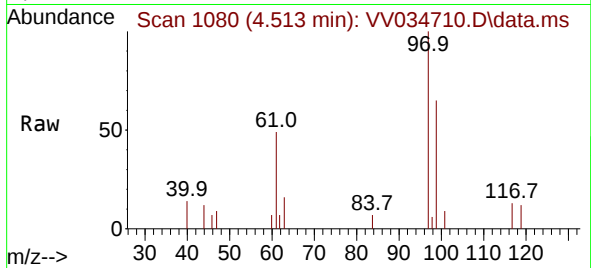




#30  
1,1,1-Trichloroethane  
Concen: 1.151 ug/L  
RT: 4.513 min Scan# 1079  
Delta R.T. 0.003 min  
Lab File: VV034710.D  
Acq: 18 Mar 2024 21:07

Instrument :  
MSVOA\_V  
ClientSampleId :  
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Tgt Ion: 97 Resp: 5217  
Ion Ratio Lower Upper  
97 100  
99 61.6 51.3 76.9  
61 26.9 36.0 54.0#



#34  
Trichloroethene  
Concen: 52.845 ug/L  
RT: 5.831 min Scan# 1490  
Delta R.T. 0.000 min  
Lab File: VV034710.D  
Acq: 18 Mar 2024 21:07

Tgt Ion: 95 Resp: 147317  
Ion Ratio Lower Upper  
95 100  
97 64.9 44.7 83.1  
132 97.6 65.3 121.3  
130 101.7 69.1 128.3

