

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022120\  
 Data File : VV014664.D  
 Acq On : 21 Feb 2020 19:35  
 Operator : SY/MD  
 Sample : L1607-12  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AP8

Quant Time: Feb 22 00:30:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM022120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Feb 21 23:36:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 228850   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 212623   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 99805    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                  |         |       |          |          |      |         |
|----------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3             | 1.32    | 65    | 37101    | 41.51    | ug/L | 0.00    |
| Spiked Amount                    | 50.000  | Range | 60 - 135 | Recovery | =    | 83.02%  |
| 7) Chloroethane-d5               | 1.59    | 69    | 29148    | 45.00    | ug/L | 0.00    |
| Spiked Amount                    | 50.000  | Range | 70 - 130 | Recovery | =    | 90.00%  |
| 11) 1,1-Dichloroethene-d2        | 2.13    | 63    | 59064    | 35.45    | ug/L | 0.00    |
| Spiked Amount                    | 50.000  | Range | 60 - 125 | Recovery | =    | 70.90%  |
| 21) 2-Butanone-d5                | 3.95    | 46    | 82633    | 99.46    | ug/L | 0.00    |
| Spiked Amount                    | 100.000 | Range | 40 - 130 | Recovery | =    | 99.46%  |
| 24) Chloroform-d                 | 4.40    | 84    | 134335   | 45.91    | ug/L | 0.00    |
| Spiked Amount                    | 50.000  | Range | 70 - 125 | Recovery | =    | 91.82%  |
| 26) 1,2-Dichloroethane-d4        | 5.08    | 65    | 90945    | 48.61    | ug/L | 0.00    |
| Spiked Amount                    | 50.000  | Range | 70 - 125 | Recovery | =    | 97.22%  |
| 32) Benzene-d6                   | 5.10    | 84    | 270945   | 48.14    | ug/L | 0.00    |
| Spiked Amount                    | 50.000  | Range | 70 - 125 | Recovery | =    | 96.28%  |
| 36) 1,2-Dichloropropane-d6       | 6.11    | 67    | 81193    | 49.48    | ug/L | 0.00    |
| Spiked Amount                    | 50.000  | Range | 70 - 120 | Recovery | =    | 98.96%  |
| 41) Toluene-d8                   | 7.36    | 98    | 252740   | 46.63    | ug/L | 0.00    |
| Spiked Amount                    | 50.000  | Range | 80 - 120 | Recovery | =    | 93.26%  |
| 43) trans-1,3-Dichloropropene-   | 7.66    | 79    | 42034    | 45.73    | ug/L | 0.00    |
| Spiked Amount                    | 50.000  | Range | 60 - 125 | Recovery | =    | 91.46%  |
| 47) 2-Hexanone-d5                | 8.14    | 63    | 63441    | 96.46    | ug/L | 0.00    |
| Spiked Amount                    | 100.000 | Range | 45 - 130 | Recovery | =    | 96.46%  |
| 57) 1,1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 110824   | 48.74    | ug/L | 0.00    |
| Spiked Amount                    | 50.000  | Range | 65 - 120 | Recovery | =    | 97.48%  |
| 64) 1,2-Dichlorobenzene-d4       | 11.67   | 152   | 98163    | 50.27    | ug/L | 0.00    |
| Spiked Amount                    | 50.000  | Range | 80 - 120 | Recovery | =    | 100.54% |

## Target Compounds

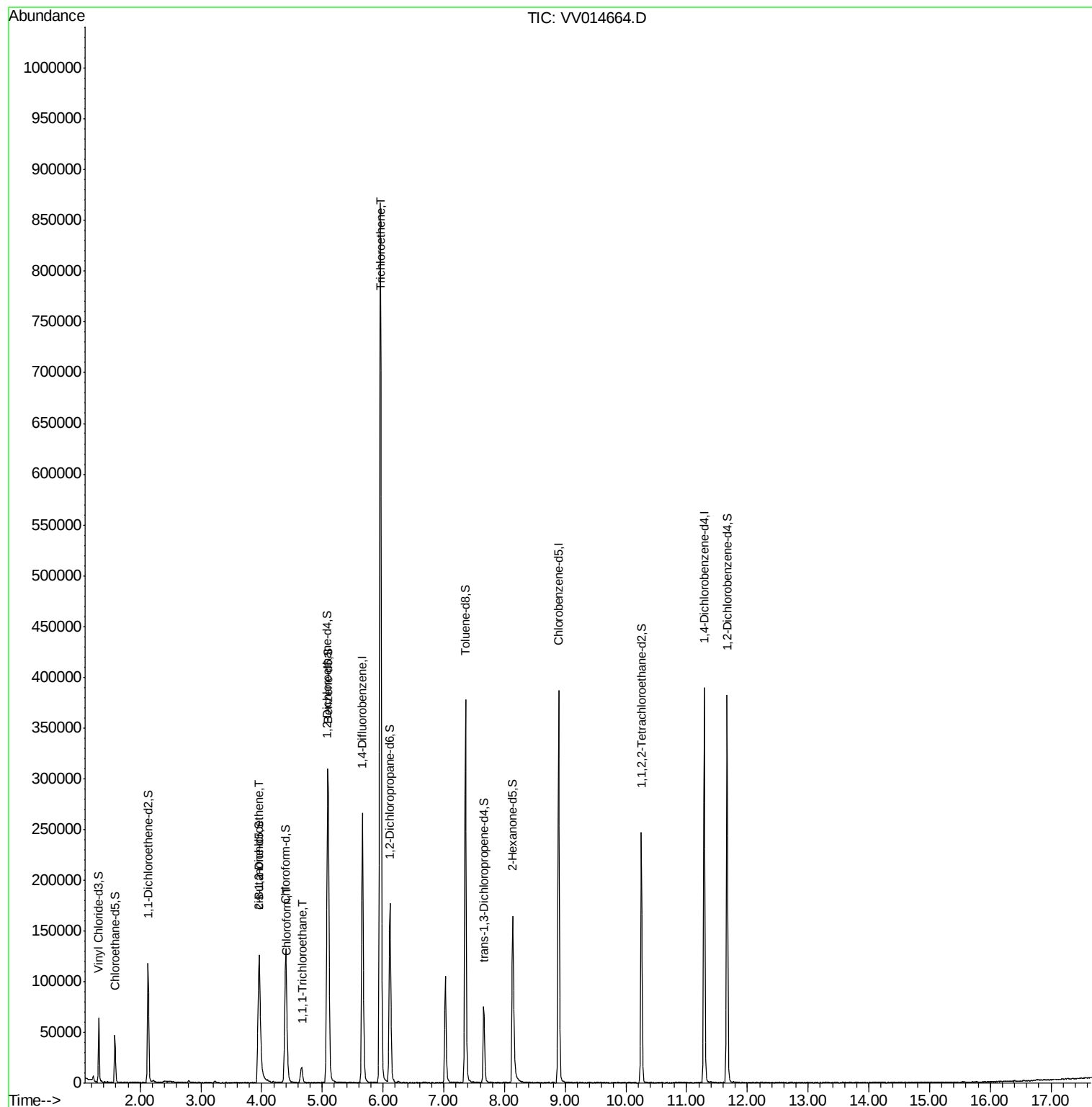
|                            |      |    |        |         | Ovalue   |
|----------------------------|------|----|--------|---------|----------|
| 20) cis-1,2-Dichloroethene | 3.96 | 96 | 51994  | 33.091  | ug/L 100 |
| 25) Chloroform             | 4.42 | 83 | 6452   | 2.275   | ug/L 94  |
| 30) 1,1,1-Trichloroethane  | 4.66 | 97 | 11791  | 4.769   | ug/L 97  |
| 34) Trichloroethene        | 5.96 | 95 | 302161 | 189.299 | ug/L 99  |

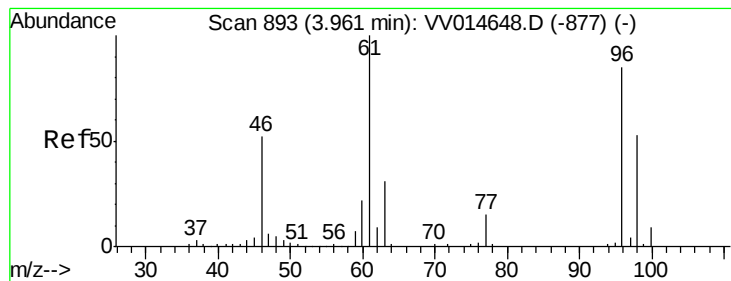
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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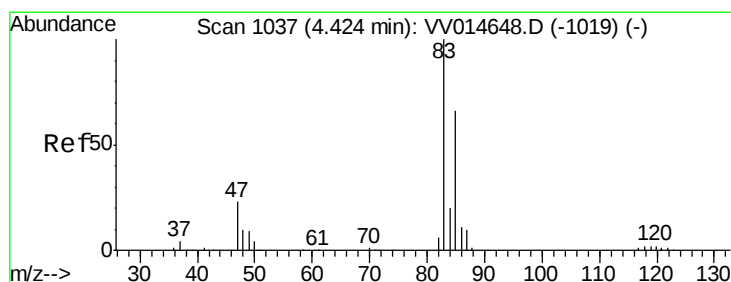
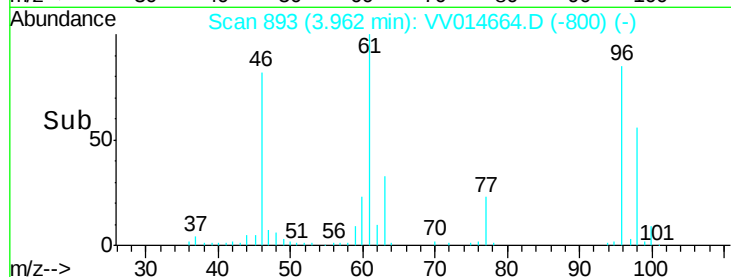
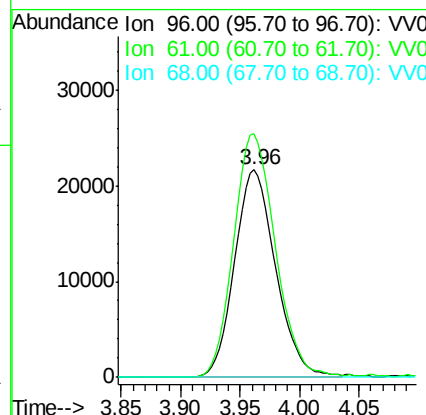
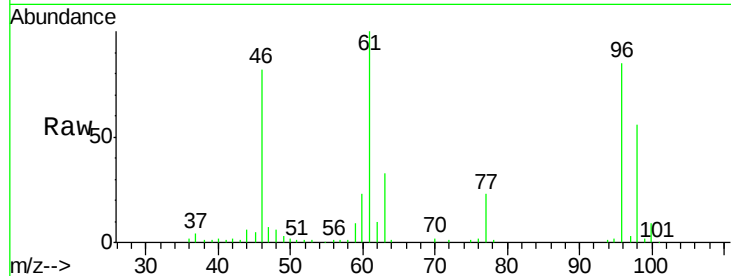


#20

cis-1,2-Dichloroethene  
 Concen: 33.091 ug/L  
 RT: 3.96 min Scan# 893  
 Delta R.T. 0.00 min  
 Lab File: VV014664.D  
 Acq: 21 Feb 2020 19:35

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 MSVOA\_V  
 ClientSampleId :  
 C0AP8

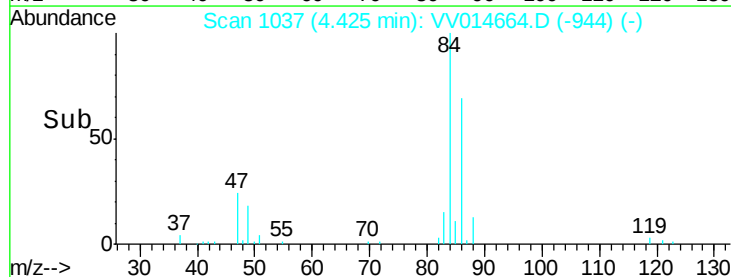
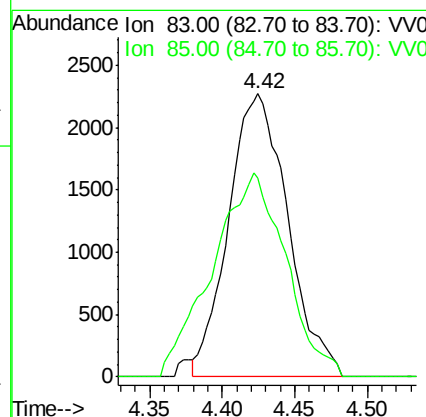
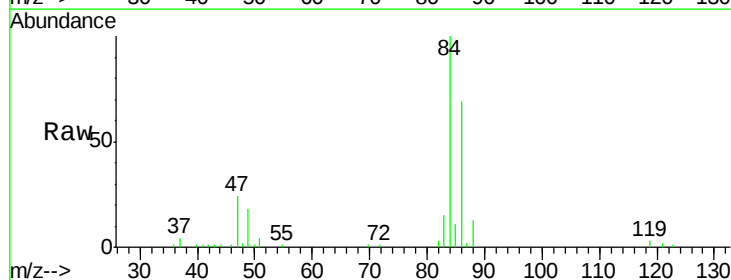
Tot Ion: 96 Resp: 51994  
 Ion Ratio Lower Upper  
 96 100  
 61 117.4 82.4 153.0  
 68 0.0 0.0 0.0

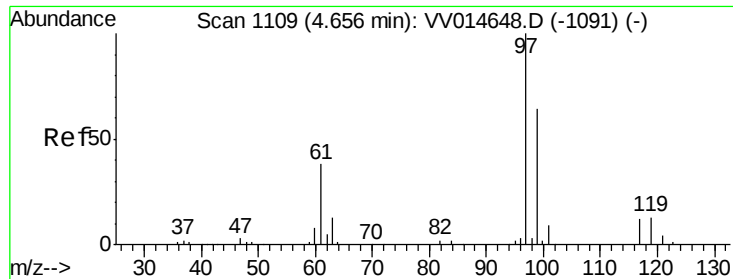


#25

Chloroform  
 Concen: 2.275 ug/L  
 RT: 4.42 min Scan# 1037  
 Delta R.T. 0.00 min  
 Lab File: VV014664.D  
 Acq: 21 Feb 2020 19:35

Tgt Ion: 83 Resp: 6452  
 Ion Ratio Lower Upper  
 83 100  
 85 70.3 46.1 85.7

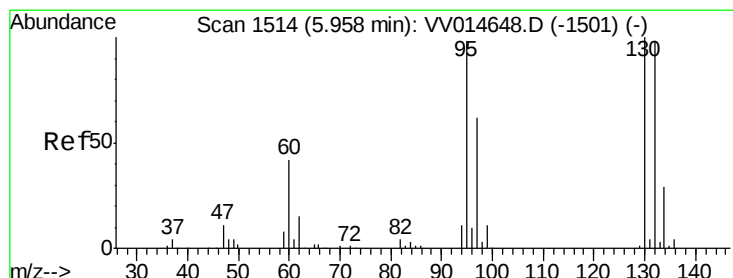
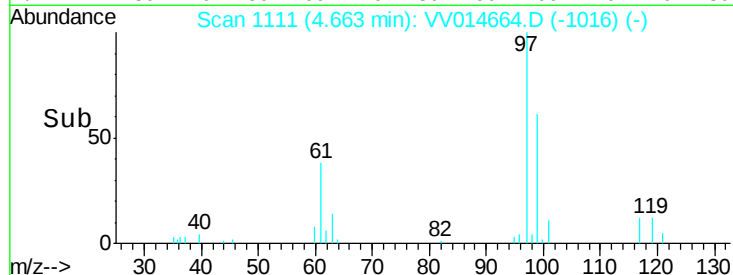
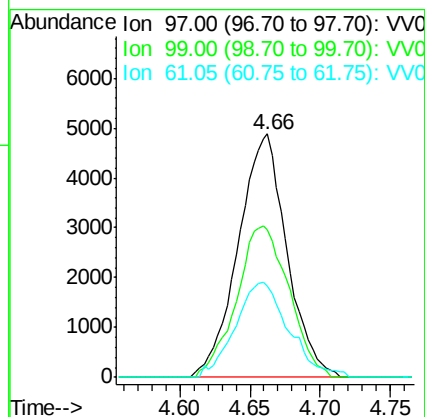
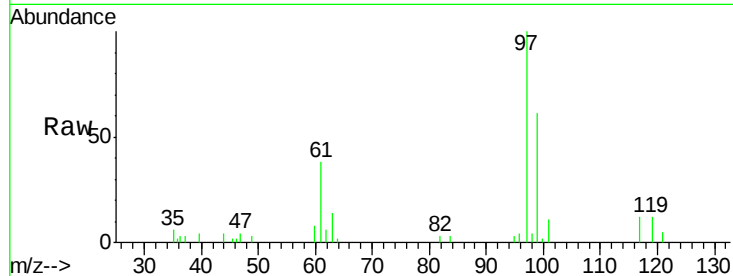




#30  
1,1,1-Trichloroethane  
Concen: 4.769 ug/L  
RT: 4.66 min Scan# 1111  
Delta R.T. 0.01 min  
Lab File: VV014664.D  
Acq: 21 Feb 2020 19:35

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Tot Ion: 97 Resp: 11791  
Ion Ratio Lower Upper  
97 100  
99 66.7 52.0 78.0  
61 42.1 31.4 47.0



#34  
Trichloroethene  
Concen: 189.299 ug/L  
RT: 5.96 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VV014664.D  
Acq: 21 Feb 2020 19:35

Tgt Ion: 95 Resp: 302161  
Ion Ratio Lower Upper  
95 100  
97 64.6 44.3 82.3  
132 97.2 69.7 129.4  
130 102.0 71.3 132.5

