

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121718\  
 Data File : VV009003.D  
 Acq On : 18 Dec 2018 00:53  
 Operator : SY/MD  
 Sample : J6422-06  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COLD0

Quant Time: Dec 28 22:37:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121318WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 18 03:36:51 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 192506   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 179296   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 75893    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 52346    | 46.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.12%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 43079    | 60.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 121.78% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 106662   | 40.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 80.34%  |
| 21) 2-Butanone-d5              | 3.93    | 46    | 86886    | 115.75   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 115.75% |
| 24) Chloroform-d               | 4.41    | 84    | 116253   | 48.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.92%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 78819    | 51.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.18% |
| 32) Benzene-d6                 | 5.10    | 84    | 239444   | 49.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.12%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 74355    | 51.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.42% |
| 41) Toluene-d8                 | 7.36    | 98    | 223589   | 49.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.60%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 33667    | 45.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.44%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 56655    | 105.43   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 105.43% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 90287    | 48.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.32%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 79211    | 50.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.20% |

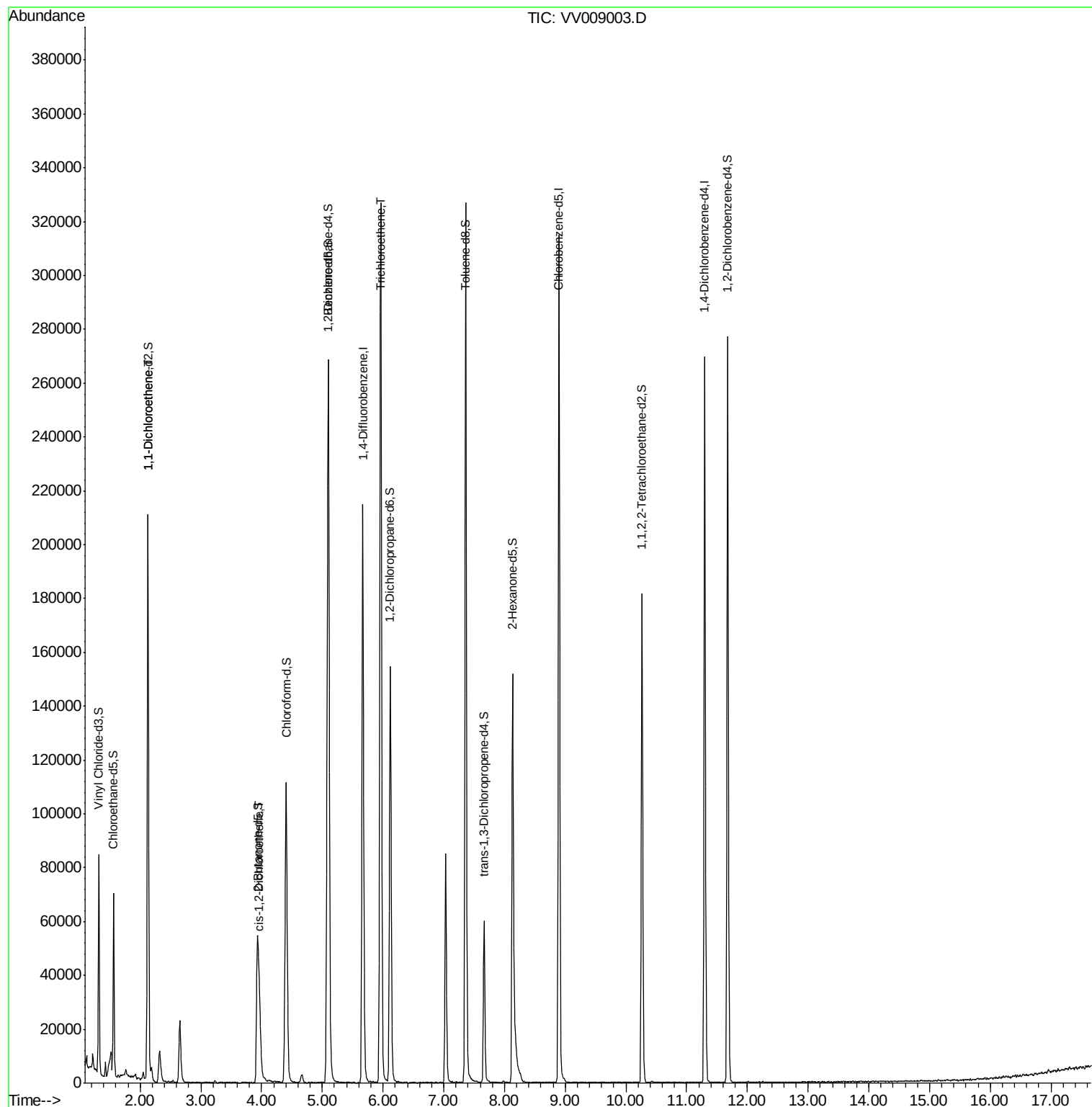
| Target Compounds           |      |    |        |             | Ovalue |
|----------------------------|------|----|--------|-------------|--------|
| 12) 1,1-Dichloroethene     | 2.14 | 96 | 8542   | 7.146 ug/L  | # 1    |
| 20) cis-1,2-Dichloroethene | 3.97 | 96 | 9822   | 7.078 ug/L  | 83     |
| 34) Trichloroethene        | 5.96 | 95 | 112799 | 79.060 ug/L | 98     |

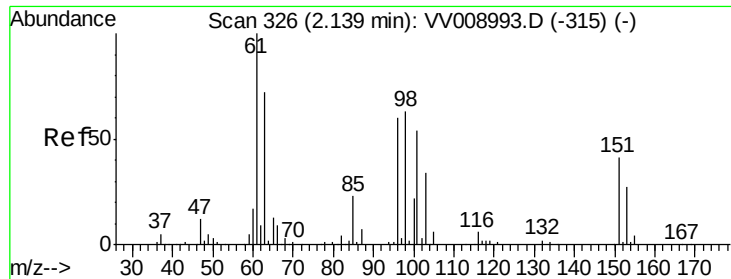
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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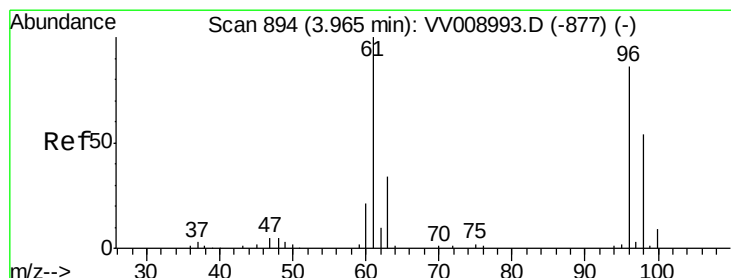
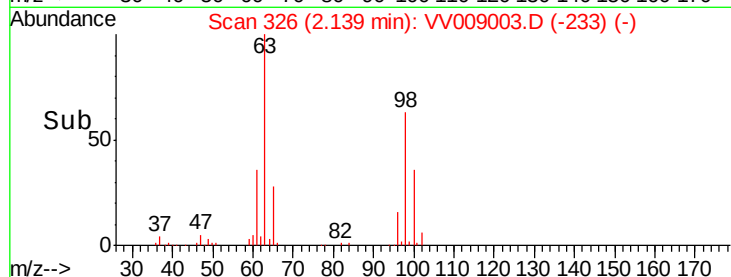
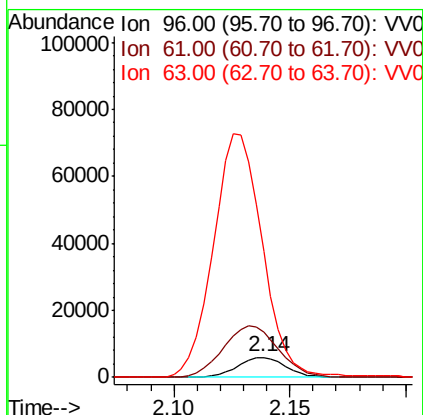
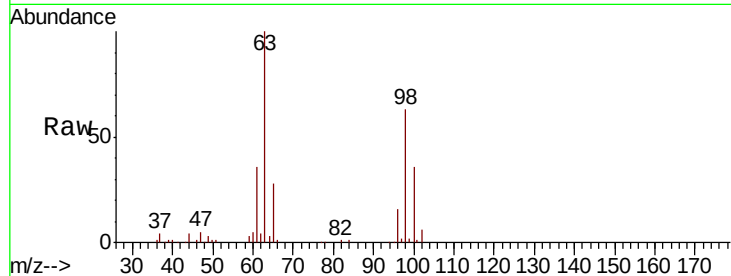




#12  
 1,1-Dichloroethene  
 Concen: 7.146 ug/L  
 RT: 2.14 min Scan# 326  
 Delta R.T. -0.00 min  
 Lab File: VV009003.D  
 Acq: 18 Dec 2018 00:53

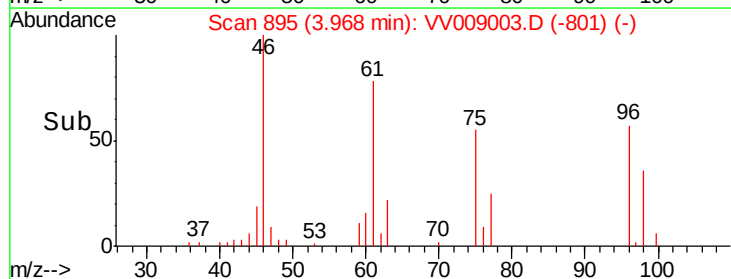
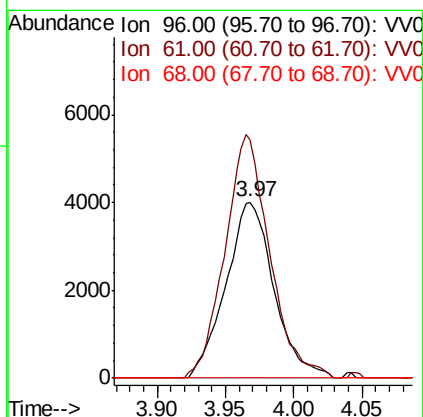
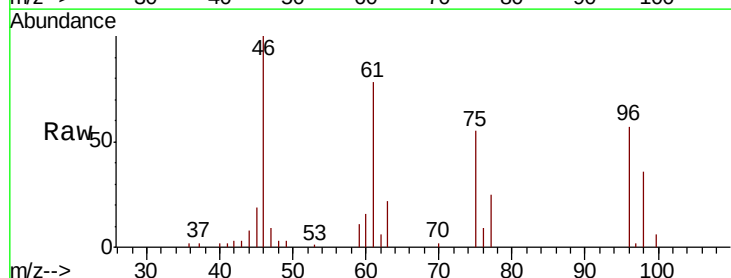
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COLD0

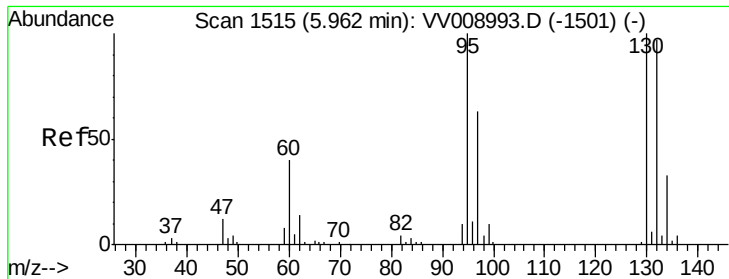
Tot Ion: 96 Resp: 8542  
 Ion Ratio Lower Upper  
 96 100  
 61 224.6 119.1 221.3#  
 63 620.3 96.0 178.2#



#20  
 cis-1,2-Dichloroethene  
 Concen: 7.078 ug/L  
 RT: 3.97 min Scan# 895  
 Delta R.T. 0.00 min  
 Lab File: VV009003.D  
 Acq: 18 Dec 2018 00:53

Tgt Ion: 96 Resp: 9822  
 Ion Ratio Lower Upper  
 96 100  
 61 135.3 81.9 152.1  
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 79.060 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV009003.D

Acq: 18 Dec 2018 00:53

Instrument :  
MSVOA\_V  
ClientSampleId :  
COLD0

Tot Ion: 95 Resp: 112799

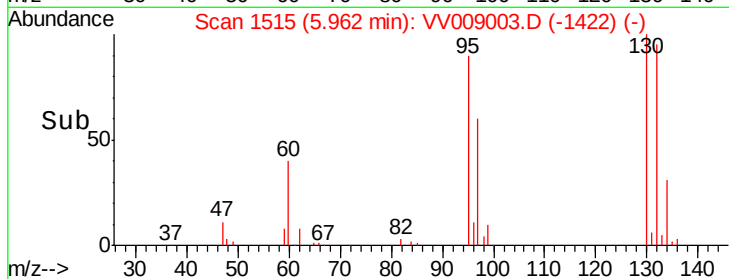
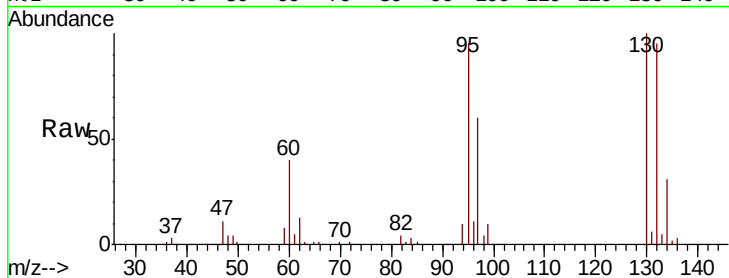
Ion Ratio Lower Upper

95 100

97 63.6 45.7 84.9

132 100.2 72.2 134.2

130 105.4 73.8 137.2



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

