

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081020\  
 Data File : VV017905.D  
 Acq On : 10 Aug 2020 18:50  
 Operator : SY/MD  
 Sample : L3608-10DL 10X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F2L93DL

Quant Time: Aug 11 03:34:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM080820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 11 01:17:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 254201   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 242373   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 127070   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 49110    | 37.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 74.82%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 45633    | 40.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 81.84%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 90446    | 28.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 57.34%# |
| 21) 2-Butanone-d5              | 3.91    | 46    | 79896    | 97.19    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.19%  |
| 24) Chloroform-d               | 4.38    | 84    | 148275   | 43.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.16%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 113099   | 45.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.44%  |
| 32) Benzene-d6                 | 5.07    | 84    | 245628   | 43.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.78%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 65308    | 46.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.04%  |
| 41) Toluene-d8                 | 7.34    | 98    | 239577   | 42.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.18%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 40940    | 44.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.60%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 46778    | 91.01    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 91.01%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 97701    | 44.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.34%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 118396   | 45.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.40%  |

## Target Compounds

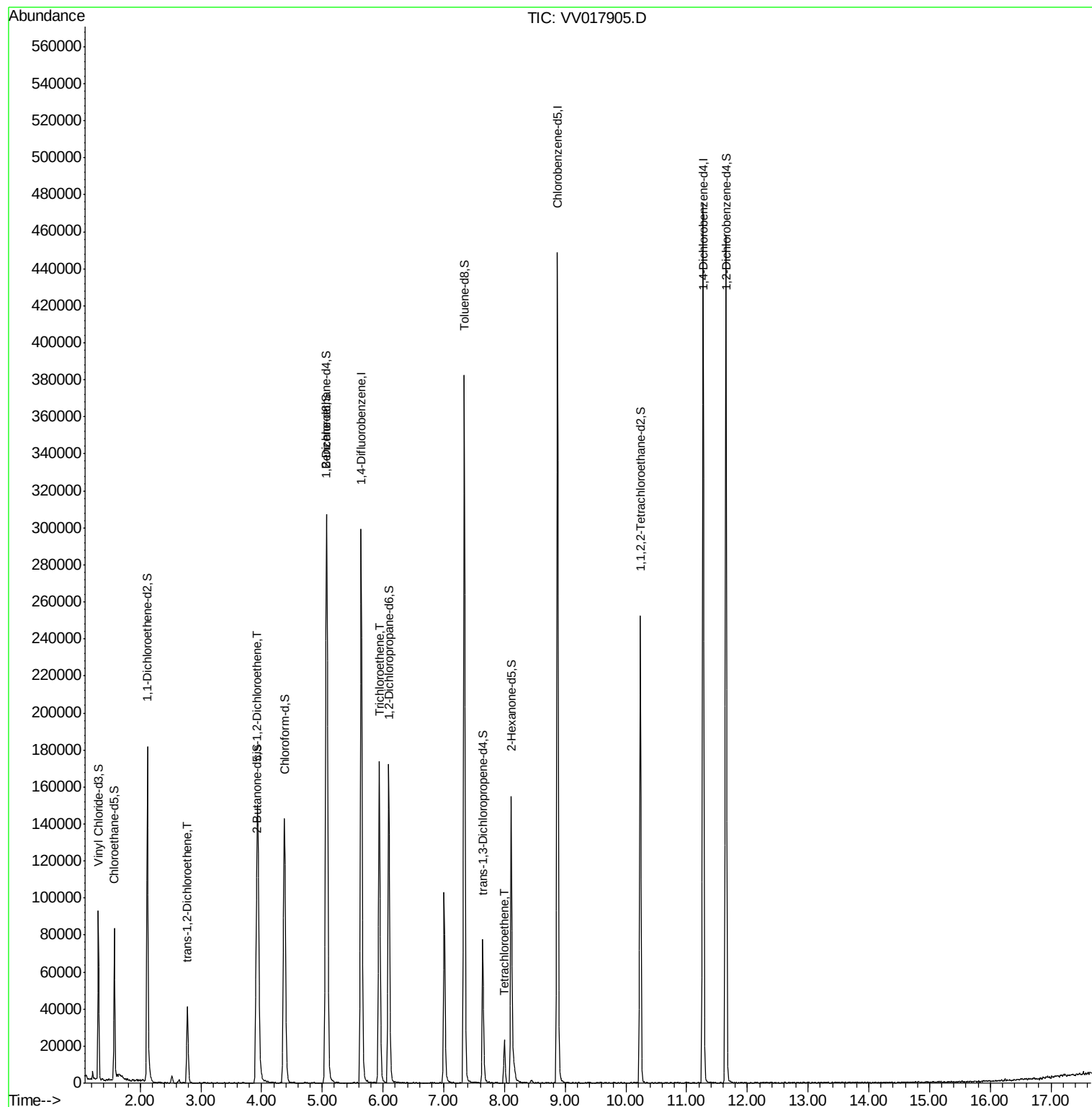
|                              |      |     |       |             | Ovalue |
|------------------------------|------|-----|-------|-------------|--------|
| 17) trans-1,2-Dichloroethene | 2.78 | 96  | 15380 | 10.062 ug/L | 98     |
| 20) cis-1,2-Dichloroethene   | 3.93 | 96  | 70525 | 42.720 ug/L | 94     |
| 34) Trichloroethene          | 5.94 | 95  | 55159 | 31.853 ug/L | 97     |
| 46) Tetrachloroethene        | 8.00 | 164 | 5168  | 3.166 ug/L  | 83     |

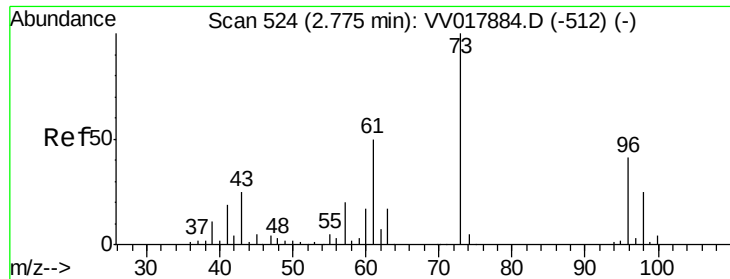
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#17

trans-1,2-Dichloroethene

Concen: 10.062 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017905.D

Acq: 10 Aug 2020 18:50

Instrument :

MSVOA\_V

ClientSampleId :

F2L93DL

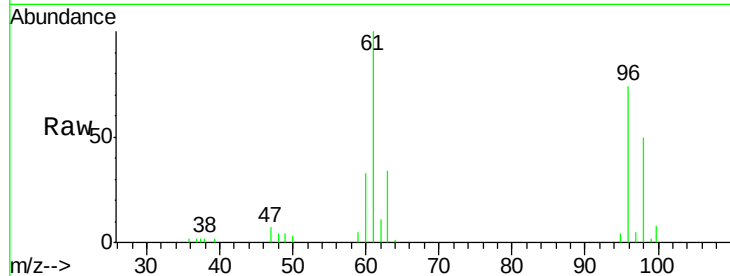
Tot Ion: 96 Resp: 15380

Ion Ratio Lower Upper

96 100

61 135.6 92.4 171.6

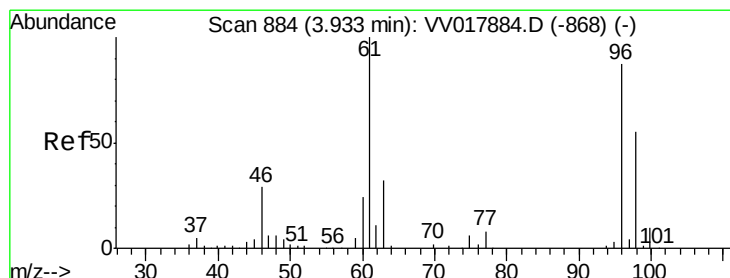
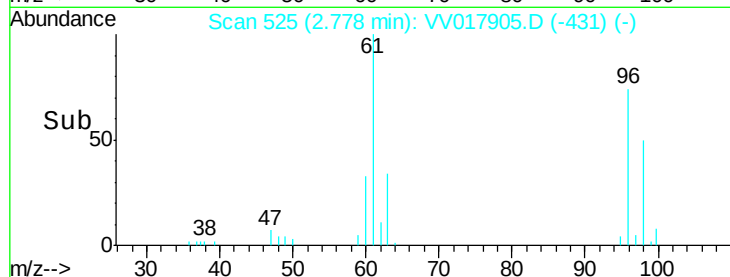
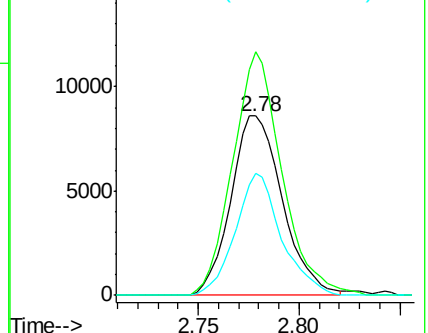
98 68.0 47.5 88.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 42.720 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV017905.D

Acq: 10 Aug 2020 18:50

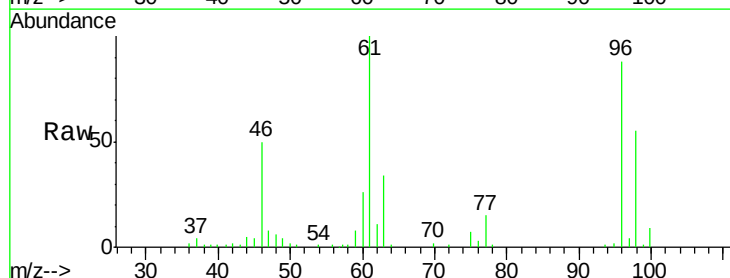
Tgt Ion: 96 Resp: 70525

Ion Ratio Lower Upper

96 100

61 113.7 84.4 156.8

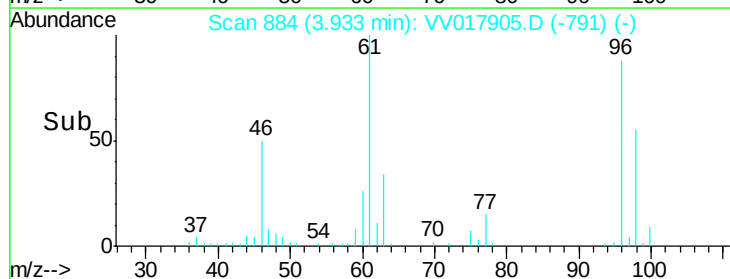
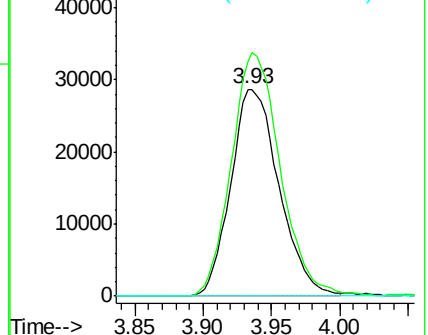
68 0.0 0.0 0.0

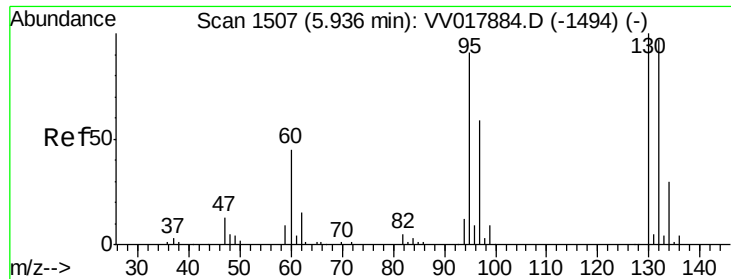


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#34

Trichloroethene

Concen: 31.853 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017905.D

Acq: 10 Aug 2020 18:50

Instrument :

MSVOA\_V

ClientSampleID :

F2L93DL

Tot Ion: 95 Resp: 55159

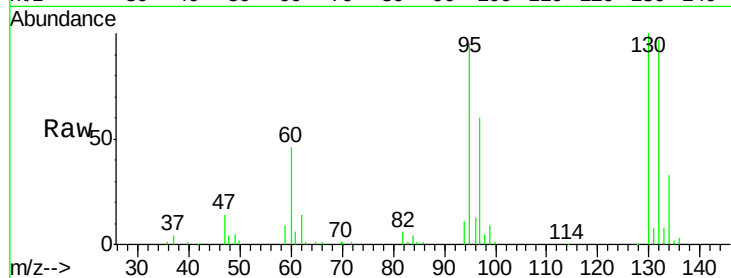
Ion Ratio Lower Upper

95 100

97 63.5 44.7 83.1

132 101.9 73.6 136.8

130 105.5 77.6 144.0

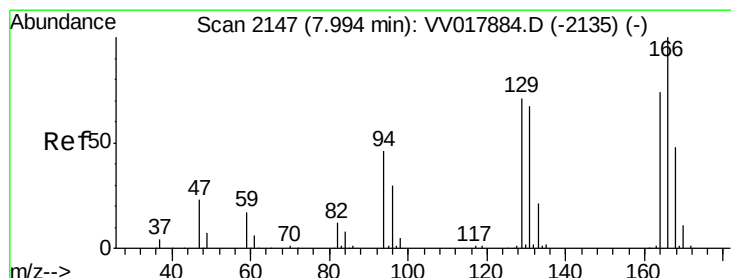
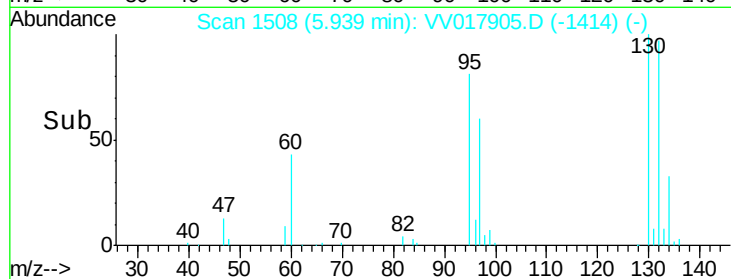
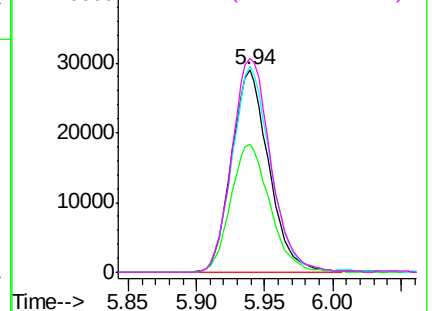


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#46

Tetrachloroethene

Concen: 3.166 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017905.D

Acq: 10 Aug 2020 18:50

Tgt Ion: 164 Resp: 5168

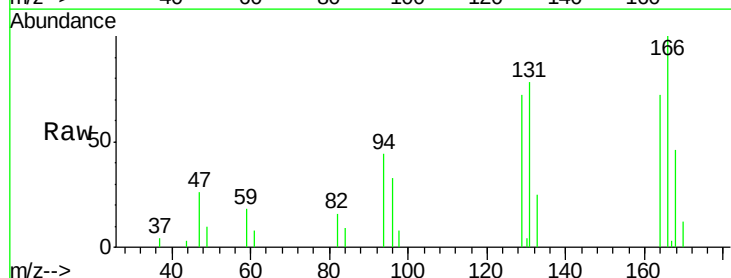
Ion Ratio Lower Upper

164 100

129 100.1 61.6 114.4

131 108.6 59.6 110.8

166 139.3 87.2 161.9



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

