

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062220\  
 Data File : VV017016.D  
 Acq On : 22 Jun 2020 13:08  
 Operator : SY/MD  
 Sample : L3074-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9M05

Quant Time: Jun 23 04:13:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 23 03:22:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 359695   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 341086   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 169084   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 101094   | 39.83    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 79.66% |
| 7) Chloroethane-d5             | 1.58    | 69    | 74848    | 49.15    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.30% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 147594   | 34.63    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.26% |
| 21) 2-Butanone-d5              | 3.91    | 46    | 155868   | 82.97    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 82.97% |
| 24) Chloroform-d               | 4.37    | 84    | 226666   | 43.92    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.84% |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 162315   | 46.24    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.48% |
| 32) Benzene-d6                 | 5.07    | 84    | 433309   | 44.07    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.14% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 134077   | 43.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 87.50% |
| 41) Toluene-d8                 | 7.33    | 98    | 402139   | 44.57    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.14% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 67678    | 42.40    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.80% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 92375    | 69.13    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 69.13% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 161213   | 39.73    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 79.46% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 168234   | 46.62    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.24% |

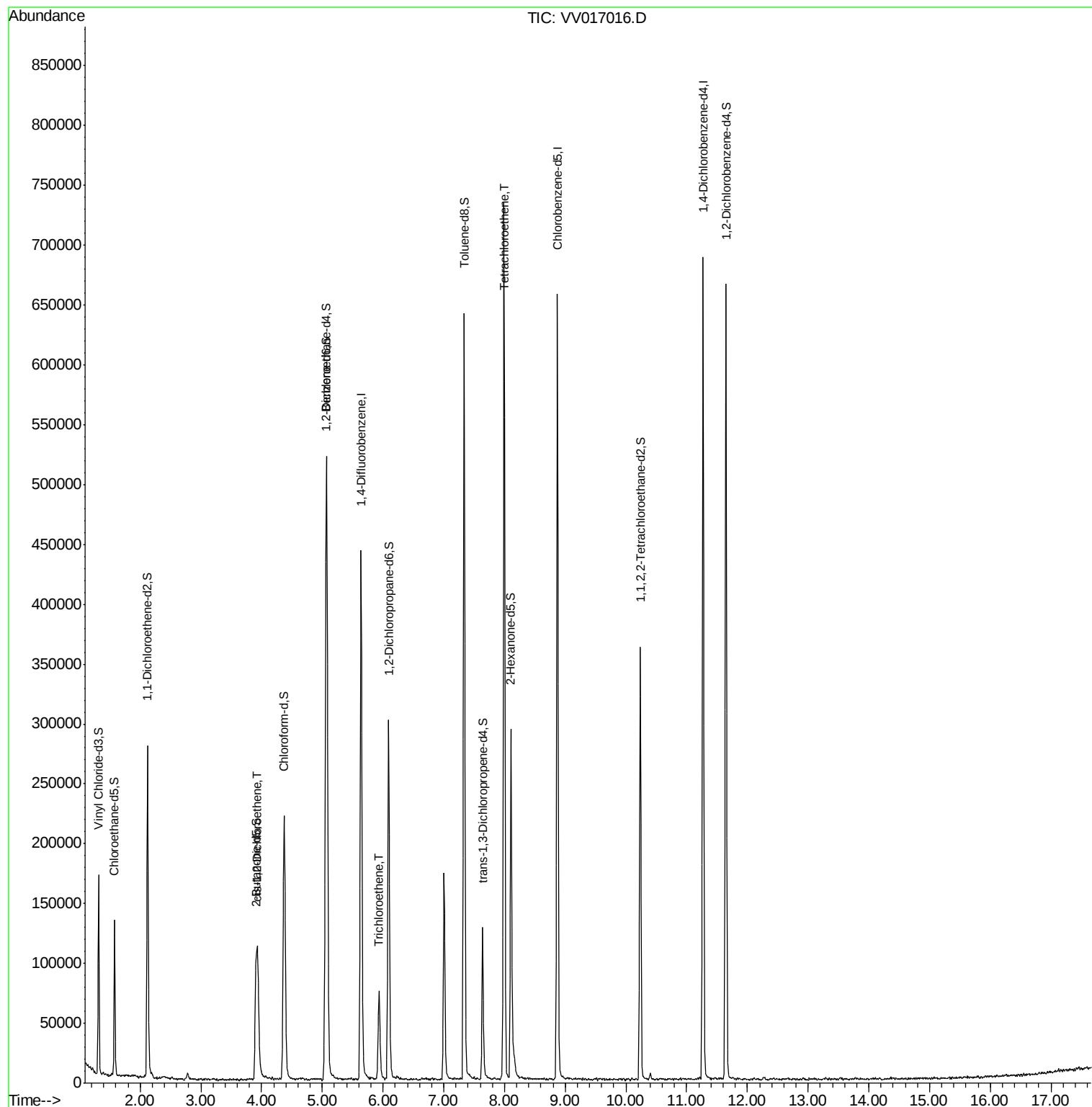
| Target Compounds           |      |     |        |             | Ovalue |
|----------------------------|------|-----|--------|-------------|--------|
| 20) cis-1,2-Dichloroethene | 3.93 | 96  | 38892  | 14.656 ug/L | 99     |
| 34) Trichloroethene        | 5.94 | 95  | 20505  | 7.576 ug/L  | 96     |
| 46) Tetrachloroethene      | 7.99 | 164 | 160509 | 75.404 ug/L | 97     |

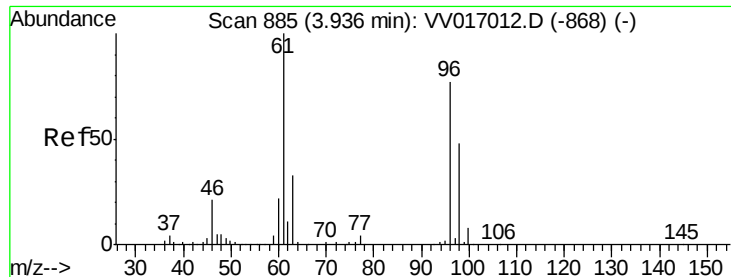
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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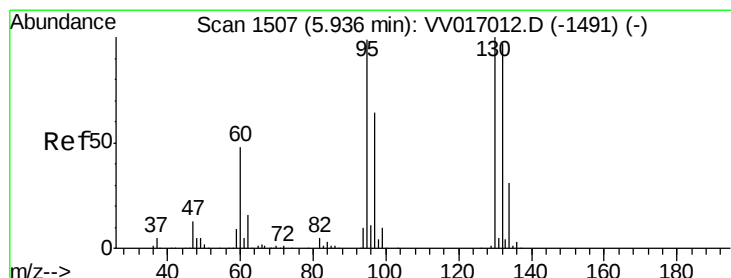
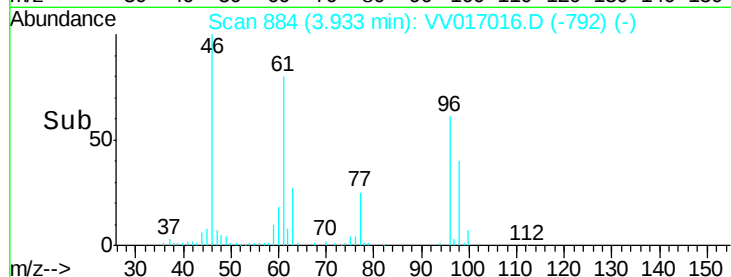
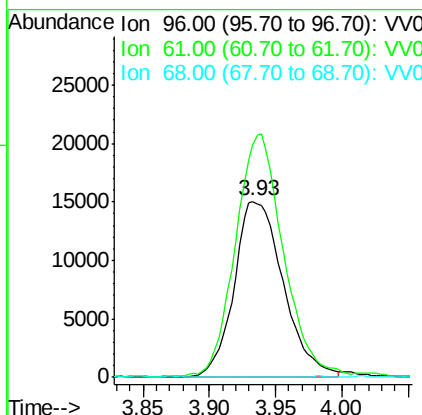
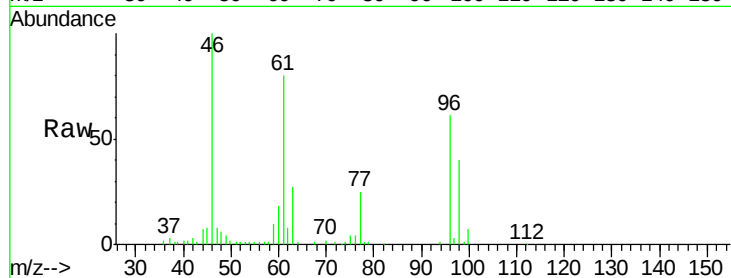




#20  
cis-1,2-Dichloroethene  
Concen: 14.656 ug/L  
RT: 3.93 min Scan# 884  
Delta R.T. -0.00 min  
Lab File: VV017016.D  
Acq: 22 Jun 2020 13:08

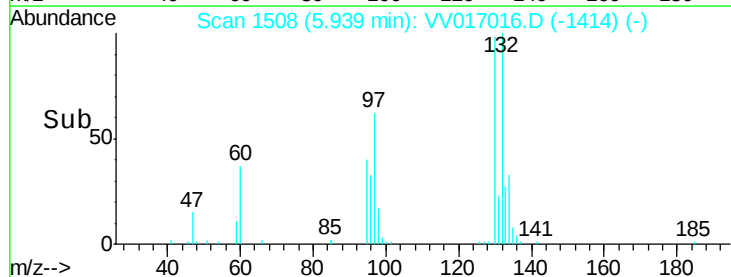
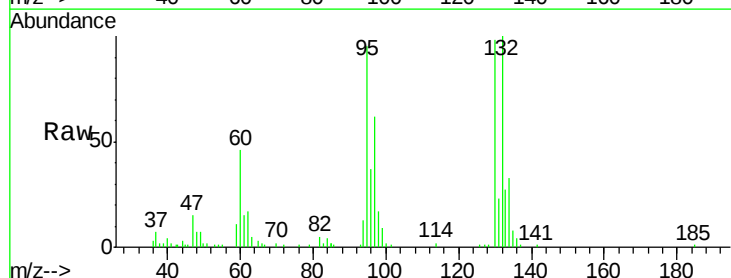
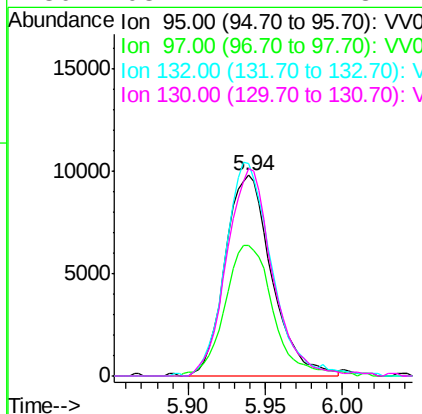
Instrument :  
MSVOA\_V  
ClientSampled :  
F9M05

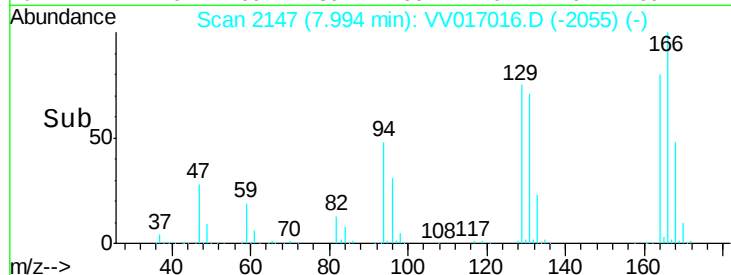
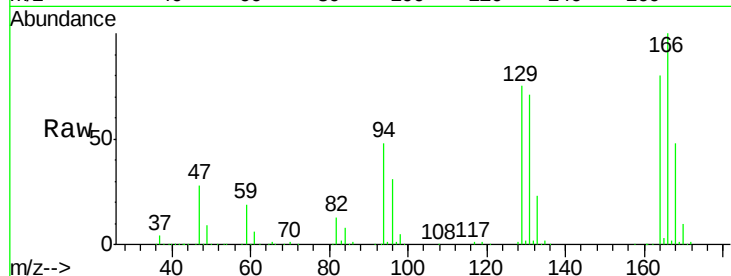
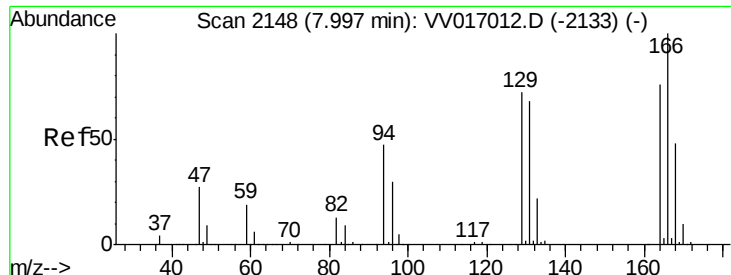
Tot Ion: 96 Resp: 38892  
Ion Ratio Lower Upper  
96 100  
61 131.6 93.4 173.4  
68 0.0 0.0 0.0



#34  
Trichloroethene  
Concen: 7.576 ug/L  
RT: 5.94 min Scan# 1508  
Delta R.T. 0.00 min  
Lab File: VV017016.D  
Acq: 22 Jun 2020 13:08

Tgt Ion: 95 Resp: 20505  
Ion Ratio Lower Upper  
95 100  
97 65.3 44.3 82.3  
132 105.8 67.9 126.1  
130 103.4 72.2 134.2





#46

Tetrachloroethene

Concen: 75.404 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV017016.D

Acq: 22 Jun 2020 13:08

Instrument :

MSVOA\_V

ClientSampleId :

F9M05

Tot Ion:164 Resp: 160509

Ion Ratio Lower Upper

164 100

129 94.1 67.0 124.4

131 89.7 64.8 120.3

166 125.6 90.4 167.8

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

