

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062220\  
 Data File : VV017015.D  
 Acq On : 22 Jun 2020 12:29  
 Operator : SY/MD  
 Sample : L3074-11DL 100X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9M21DL

Quant Time: Jun 23 04:08:36 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  | 346644   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 321868   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 151577   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 105777   | 43.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 86.50%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 69500    | 47.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 94.70%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 156865   | 38.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.38%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 163418   | 90.27    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 90.27%  |
| 24) Chloroform-d               | 4.38    | 84    | 236508   | 47.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.10%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 164052   | 48.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.98%  |
| 32) Benzene-d6                 | 5.08    | 84    | 452438   | 48.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.52%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 140574   | 48.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.20%  |
| 41) Toluene-d8                 | 7.34    | 98    | 413913   | 48.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.22%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 68976    | 45.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.58%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 94291    | 74.78    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 74.78%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 164664   | 43.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.02%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 170362   | 52.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.34% |

## Target Compounds

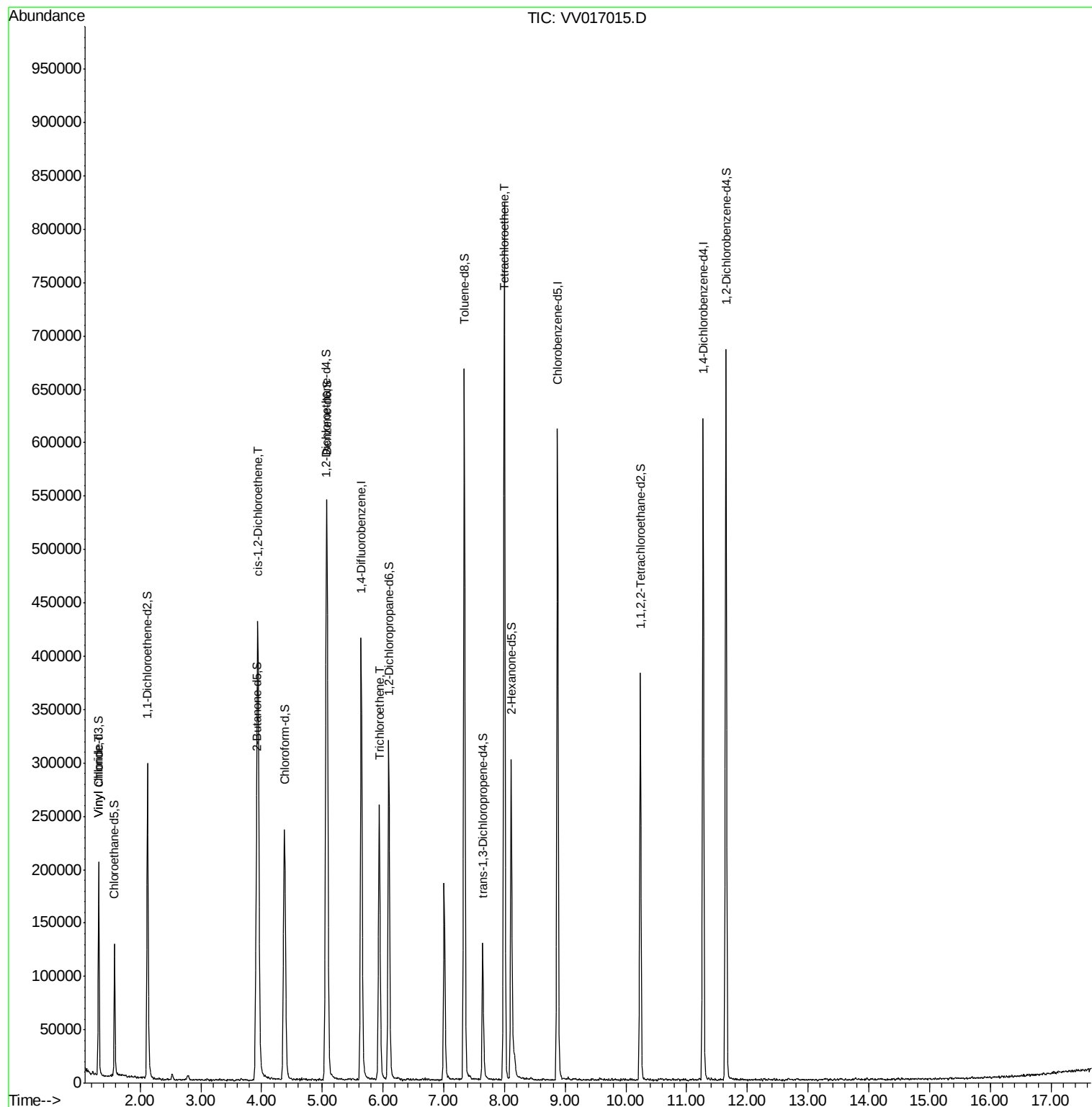
|                            |      |     |        |        | Ovalue  |
|----------------------------|------|-----|--------|--------|---------|
| 5) Vinyl chloride          | 1.32 | 62  | 16615  | 6.723  | ug/L 91 |
| 20) cis-1,2-Dichloroethene | 3.94 | 96  | 223086 | 87.232 | ug/L 97 |
| 34) Trichloroethene        | 5.94 | 95  | 81282  | 31.824 | ug/L 96 |
| 46) Tetrachloroethene      | 8.00 | 164 | 179064 | 89.143 | ug/L 96 |

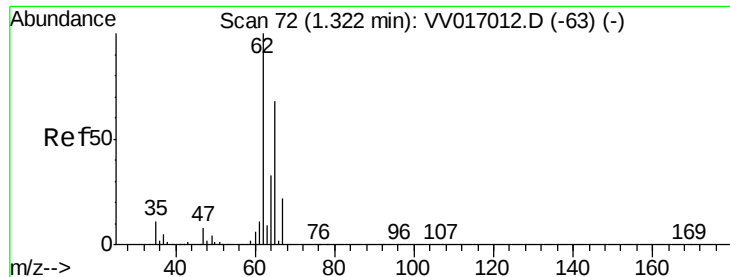
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 23 03:22:30 2020  
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#5

Vinyl chloride

Concen: 6.723 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV017015.D

Acq: 22 Jun 2020 12:29

Instrument :

MSVOA\_V

ClientSampleId :

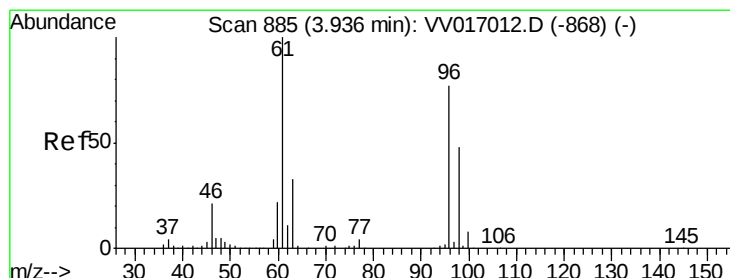
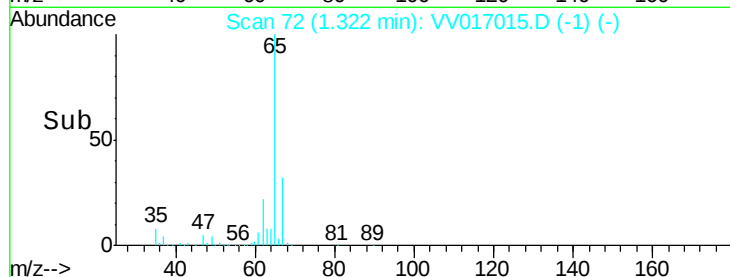
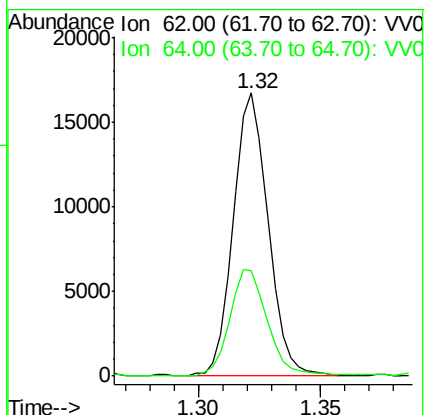
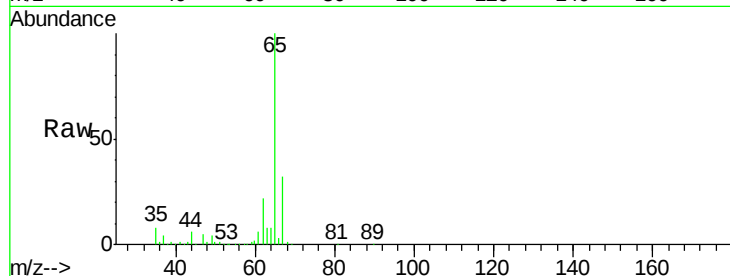
F9M21DL

Tot Ion: 62 Resp: 16615

Ion Ratio Lower Upper

62 100

64 37.1 22.3 41.5



#20

cis-1,2-Dichloroethene

Concen: 87.232 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017015.D

Acq: 22 Jun 2020 12:29

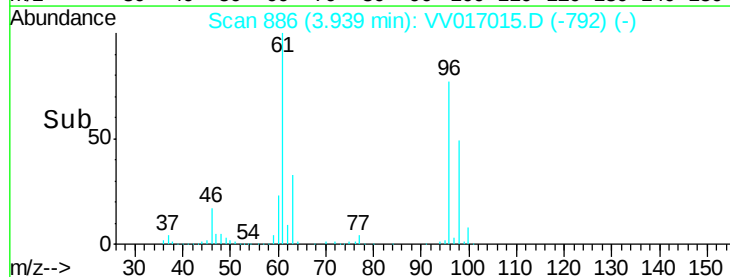
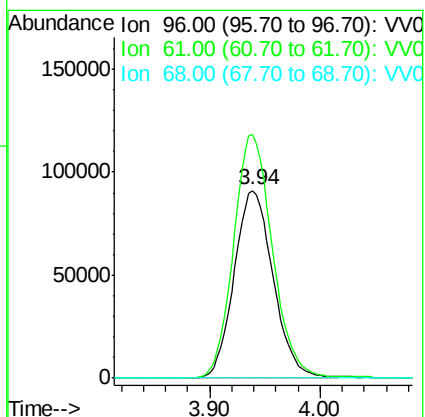
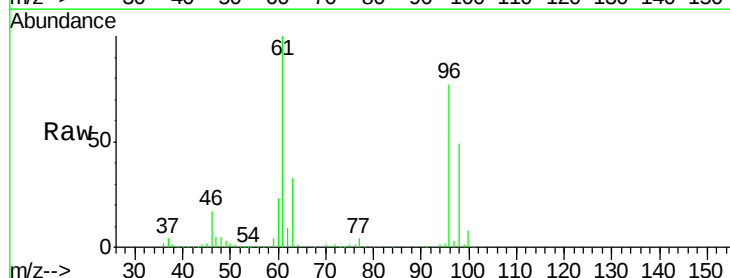
Tgt Ion: 96 Resp: 223086

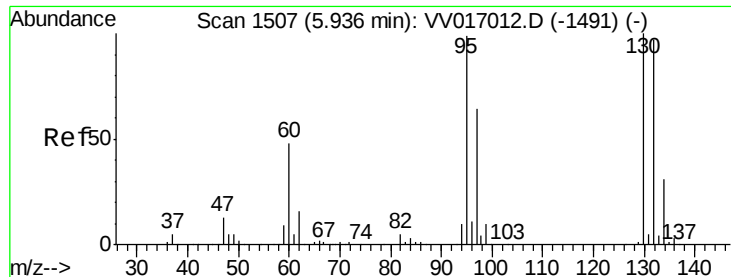
Ion Ratio Lower Upper

96 100

61 130.0 93.4 173.4

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 31.824 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017015.D

Acq: 22 Jun 2020 12:29

Instrument :

MSVOA\_V

ClientSampleId :

F9M21DL

Tot Ion: 95 Resp: 81282

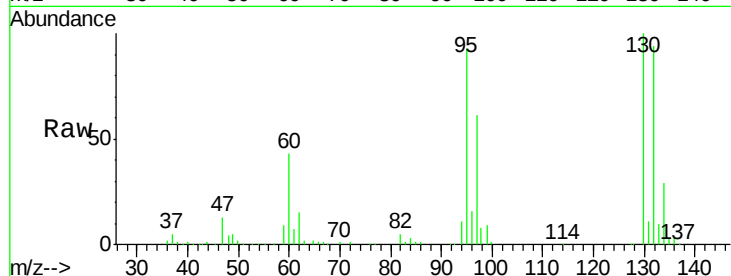
Ion Ratio Lower Upper

95 100

97 65.9 44.3 82.3

132 100.3 67.9 126.1

130 107.2 72.2 134.2

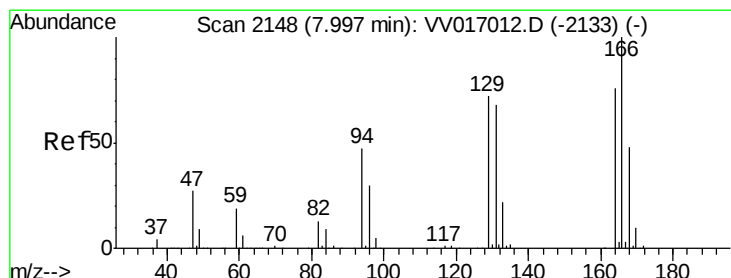
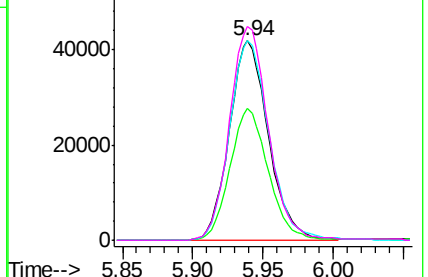
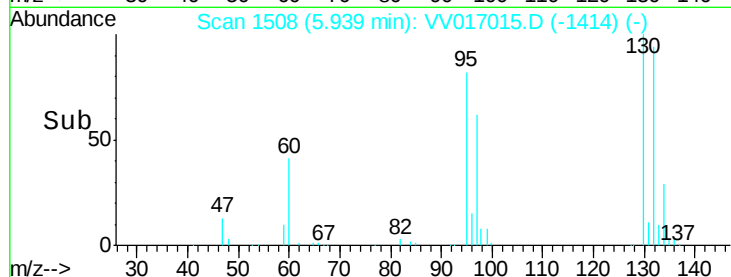


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#46

Tetrachloroethene

Concen: 89.143 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV017015.D

Acq: 22 Jun 2020 12:29

Tgt Ion: 164 Resp: 179064

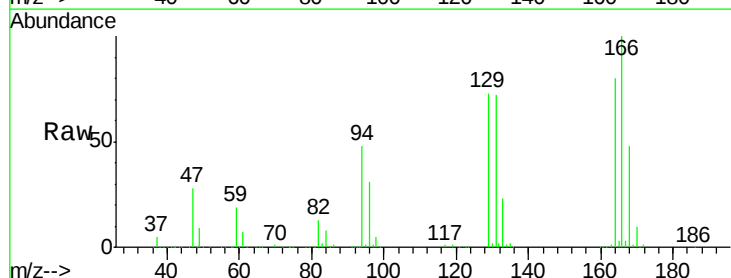
Ion Ratio Lower Upper

164 100

129 91.2 67.0 124.4

131 89.7 64.8 120.3

166 124.9 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

