

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042820\  
 Data File : VU037898.D  
 Acq On : 28 Apr 2020 23:31  
 Operator : JC/MD  
 Sample : L2396-02 500X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 29 10:47:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 29 04:16:23 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 649686   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 634225   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 284784   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

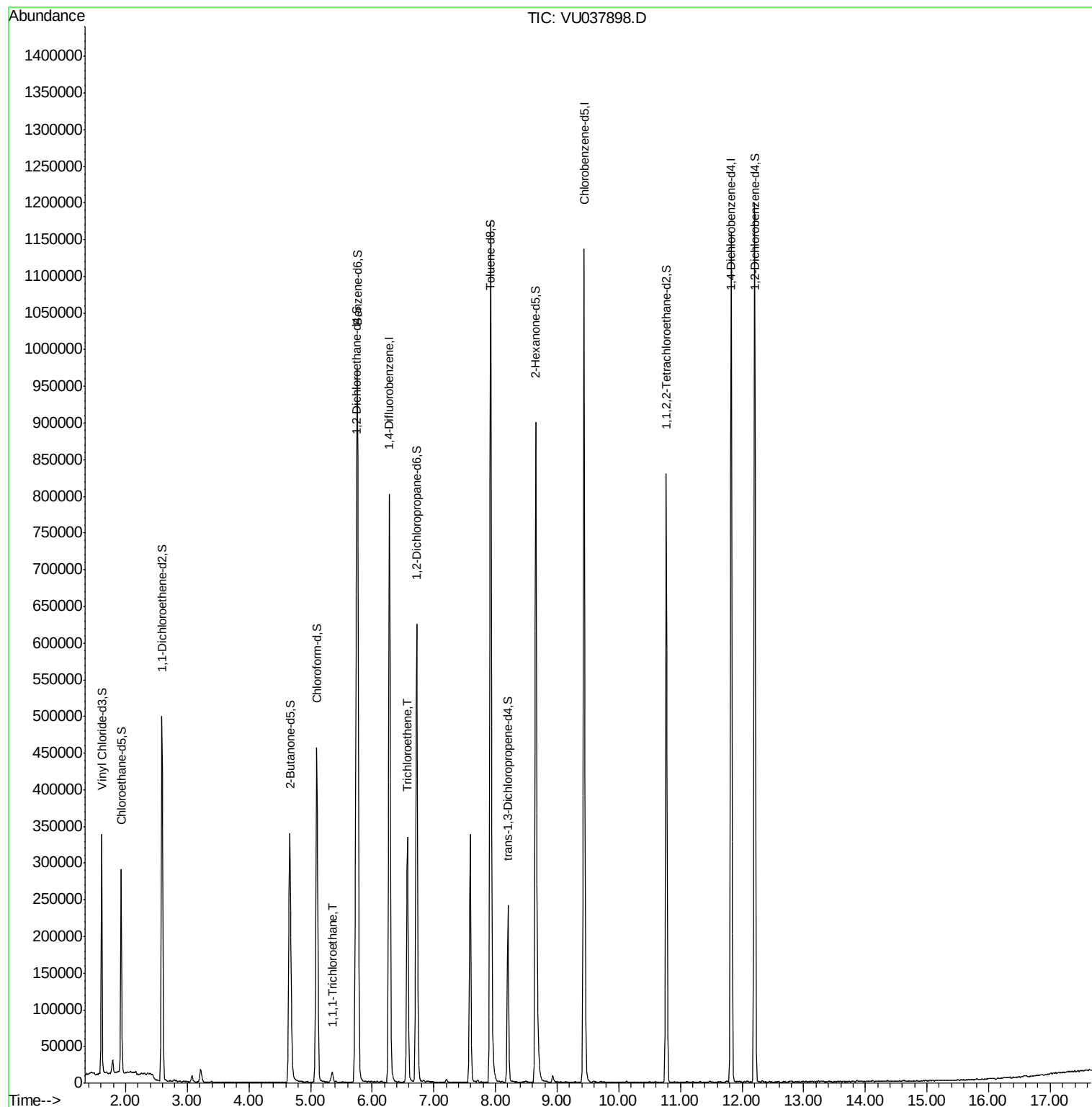
|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 216423   | 38.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.24%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 199359   | 45.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.62%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 295392   | 32.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.30%  |
| 21) 2-Butanone-d5              | 4.66    | 46    | 434478   | 96.60    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.60%  |
| 24) Chloroform-d               | 5.10    | 84    | 411131   | 47.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.10%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 285162   | 47.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.26%  |
| 32) Benzene-d6                 | 5.76    | 84    | 881641   | 49.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.32%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 297837   | 49.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.30%  |
| 41) Toluene-d8                 | 7.92    | 98    | 809894   | 49.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.26%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 127638   | 41.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.68%  |
| 47) 2-Hexanone-d5              | 8.65    | 63    | 311958   | 95.53    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.53%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 420547   | 50.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.78% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20   | 152   | 293847   | 53.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.06% |

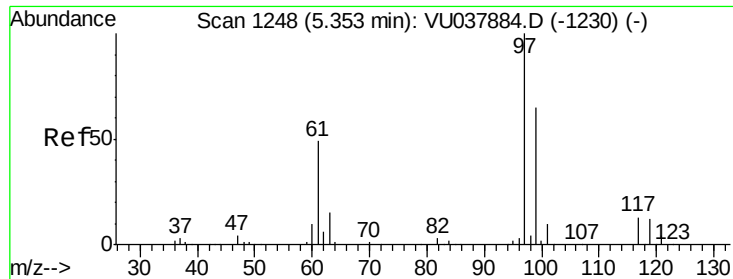
| Target Compounds          |      |    |        |             | Ovalue |
|---------------------------|------|----|--------|-------------|--------|
| 30) 1,1,1-Trichloroethane | 5.35 | 97 | 9805   | 1.384 ug/L  | 98     |
| 34) Trichloroethene       | 6.57 | 95 | 113174 | 23.968 ug/L | 96     |

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

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#30

1,1,1-Trichloroethane

Concen: 1.384 ug/L

RT: 5.35 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VU037898.D

Acq: 28 Apr 2020 23:31

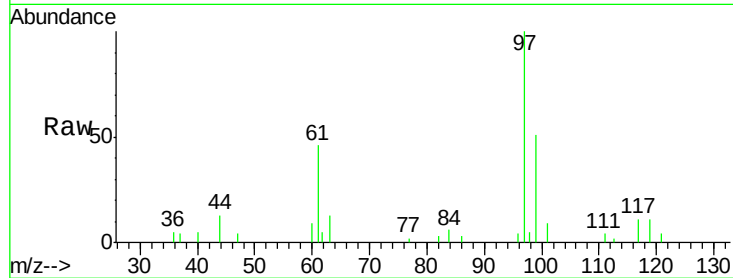
Tot Ion: 97 Resp: 9805

Ion Ratio Lower Upper

97 100

99 62.6 50.7 76.1

61 46.8 38.9 58.3

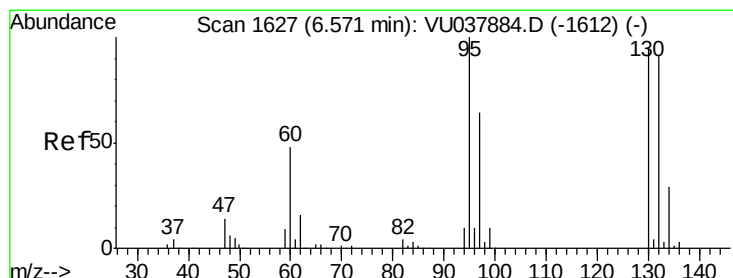
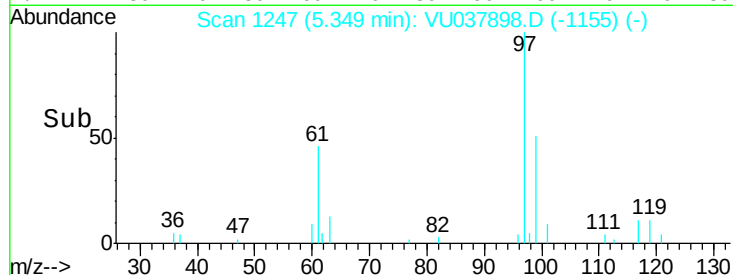
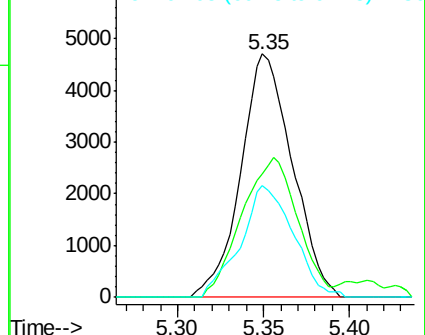


Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0



#34

Trichloroethene

Concen: 23.968 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037898.D

Acq: 28 Apr 2020 23:31

Tgt Ion: 95 Resp: 113174

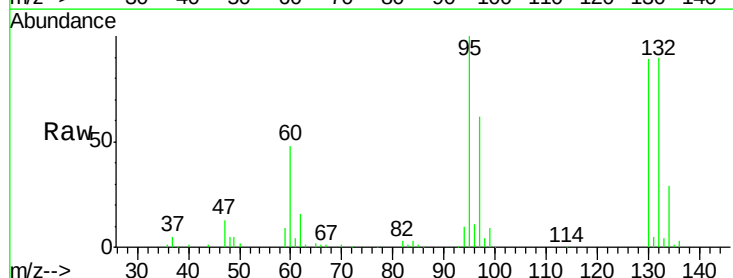
Ion Ratio Lower Upper

95 100

97 61.8 44.4 82.5

132 90.0 65.0 120.6

130 88.7 65.5 121.7



Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): VU0

Ion 130.00 (129.70 to 130.70): VU0

