

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042820\  
 Data File : VU037886.D  
 Acq On : 28 Apr 2020 18:59  
 Operator : JC/MD  
 Sample : L2395-06  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 29 06:27:02 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  | 644818   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 624806   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 282304   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

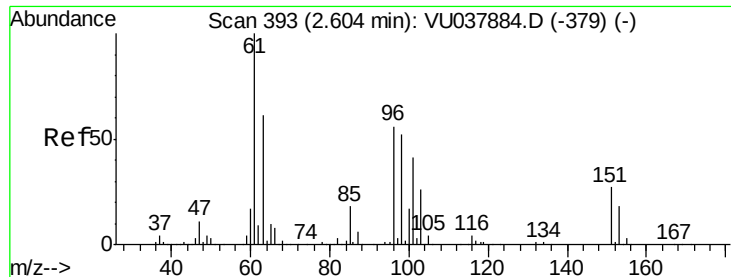
|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 228457   | 40.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 81.10%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 202710   | 46.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.84%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 317008   | 34.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.52%  |
| 21) 2-Butanone-d5              | 4.66    | 46    | 398757   | 89.32    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 89.32%  |
| 24) Chloroform-d               | 5.10    | 84    | 413116   | 48.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.28%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 289946   | 48.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.58%  |
| 32) Benzene-d6                 | 5.76    | 84    | 879439   | 49.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.54%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 296594   | 50.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.38% |
| 41) Toluene-d8                 | 7.93    | 98    | 800266   | 49.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.56%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 134209   | 44.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.24%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 317424   | 98.67    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.67%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 407361   | 49.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.08%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 288306   | 52.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.98% |

## Target Compounds

|                            |      |    |        |             | Ovalue |
|----------------------------|------|----|--------|-------------|--------|
| 12) 1,1-Dichloroethene     | 2.60 | 96 | 22053  | 5.633 ug/L  | # 1    |
| 13) Acetone                | 2.65 | 43 | 5248   | 1.970 ug/L  | 94     |
| 20) cis-1,2-Dichloroethene | 4.70 | 96 | 11822  | 2.467 ug/L  | 100    |
| 30) 1,1,1-Trichloroethane  | 5.35 | 97 | 14944  | 2.142 ug/L  | 97     |
| 34) Trichloroethene        | 6.57 | 95 | 452533 | 97.283 ug/L | 98     |

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





#12

1,1-Dichloroethene

Concen: 5.633 ug/L

RT: 2.60 min Scan# 393

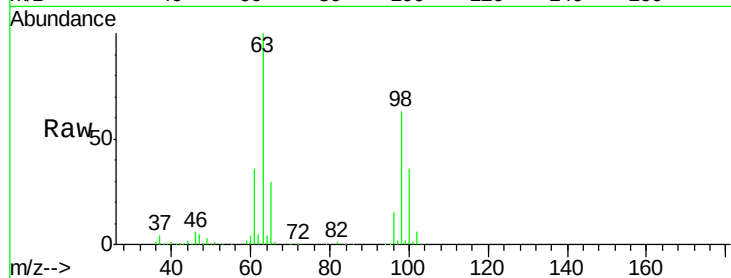
Delta R.T. 0.00 min

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Tot Ion: 96 Resp: 22053

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 237.2 | 134.1 | 249.0 |
| 63  | 657.0 | 96.5  | 179.1 |

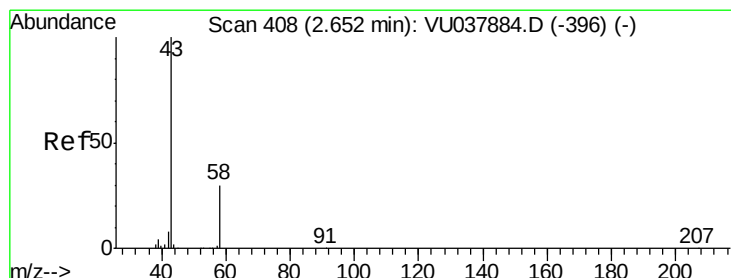
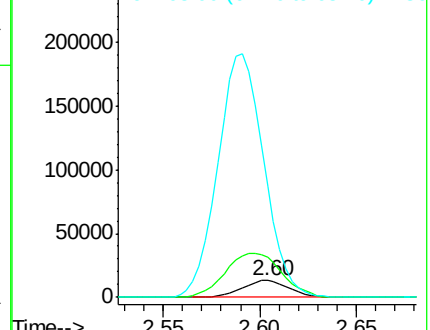
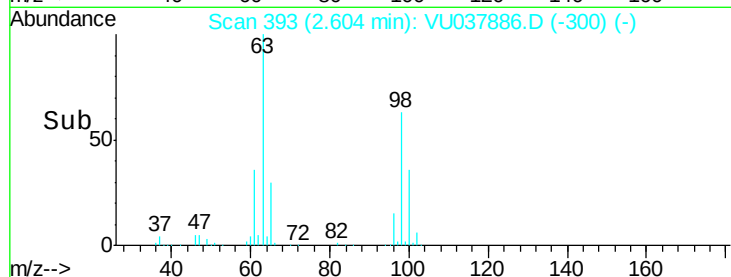


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 1.970 ug/L

RT: 2.65 min Scan# 408

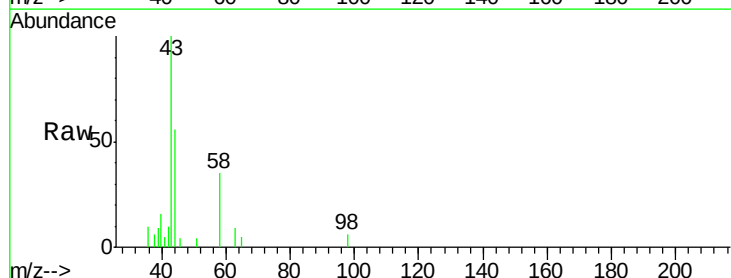
Delta R.T. 0.00 min

Lab File: VU037886.D

Acq: 28 Apr 2020 18:59

Tgt Ion: 43 Resp: 5248

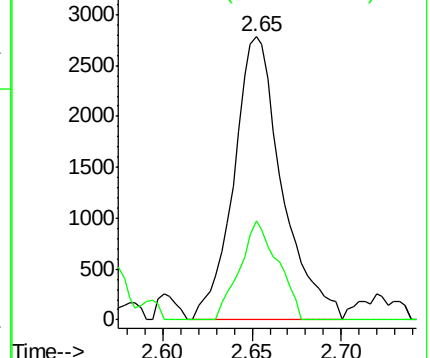
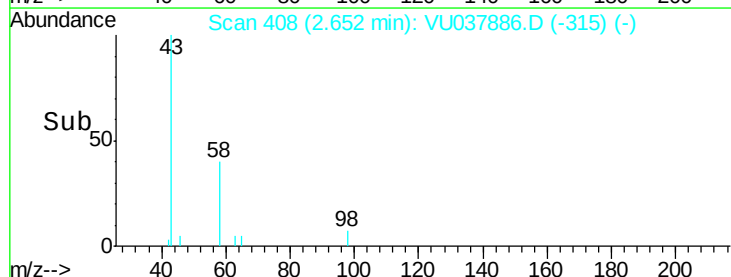
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 27.6  | 0.0   | 62.0  |

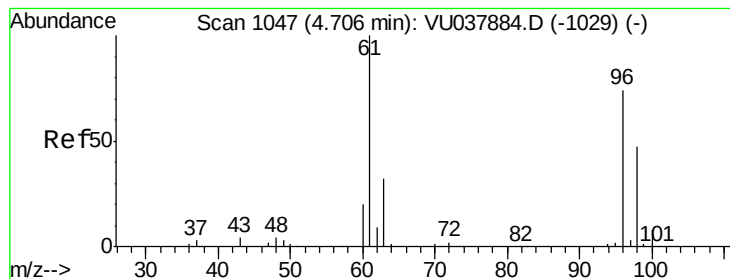


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 2.467 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU037886.D

Acq: 28 Apr 2020 18:59

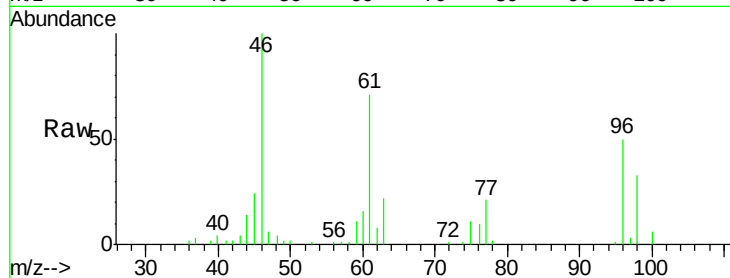
Tot Ion: 96 Resp: 11822

Ion Ratio Lower Upper

96 100

61 143.7 100.4 186.4

68 0.0 0.0 0.0

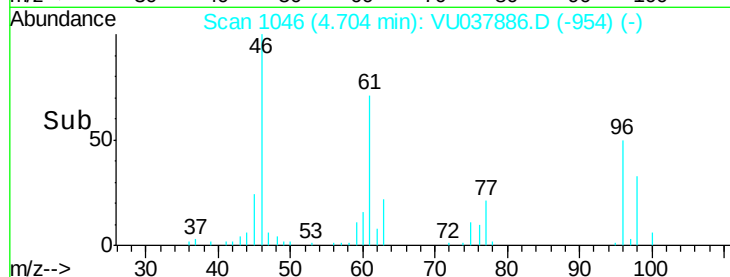


Abundance Ion 96.00 (95.70 to 96.70): VU037886.D (-1029) (-)

Ion 61.00 (60.70 to 61.70): VU037886.D (-1029) (-)

Ion 68.00 (67.70 to 68.70): VU037886.D (-1029) (-)

Time-->



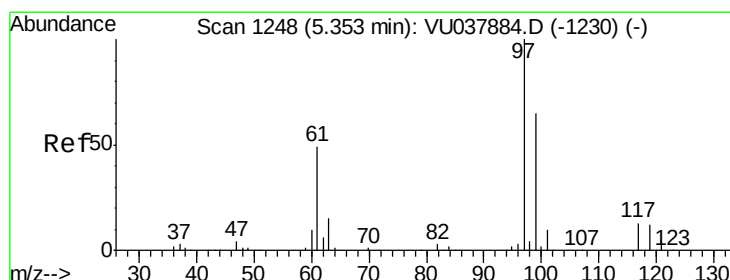
Abundance

Ion 96.00 (95.70 to 96.70): VU037886.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU037886.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU037886.D (-954) (-)

Time-->



#30

1,1,1-Trichloroethane

Concen: 2.142 ug/L

RT: 5.35 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VU037886.D

Acq: 28 Apr 2020 18:59

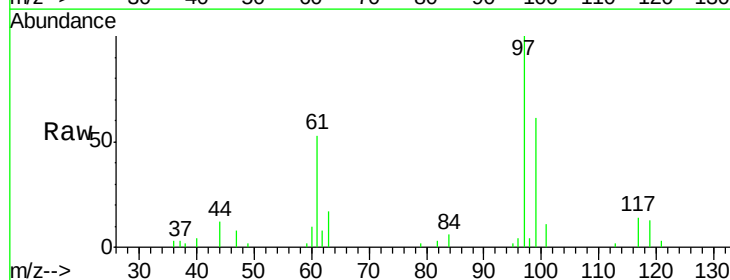
Tgt Ion: 97 Resp: 14944

Ion Ratio Lower Upper

97 100

99 61.7 50.7 76.1

61 51.1 38.9 58.3

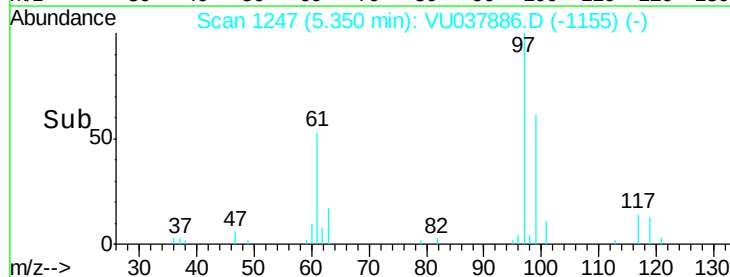


Abundance Ion 97.00 (96.70 to 97.70): VU037886.D (-1230) (-)

Ion 99.00 (98.70 to 99.70): VU037886.D (-1230) (-)

Ion 61.05 (60.75 to 61.75): VU037886.D (-1230) (-)

Time-->



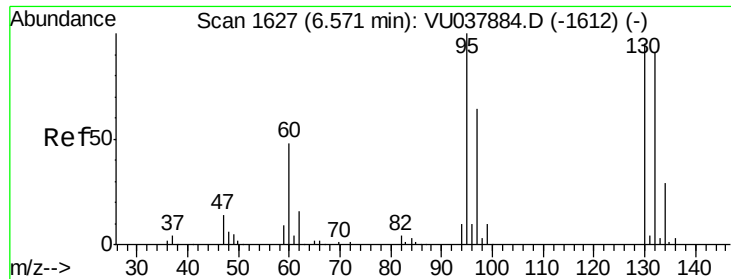
Abundance

Ion 97.00 (96.70 to 97.70): VU037886.D (-1155) (-)

Ion 99.00 (98.70 to 99.70): VU037886.D (-1155) (-)

Ion 61.05 (60.75 to 61.75): VU037886.D (-1155) (-)

Time-->



#34

Trichloroethene

Concen: 97.283 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037886.D

Acq: 28 Apr 2020 18:59

Tot Ion: 95 Resp: 452533

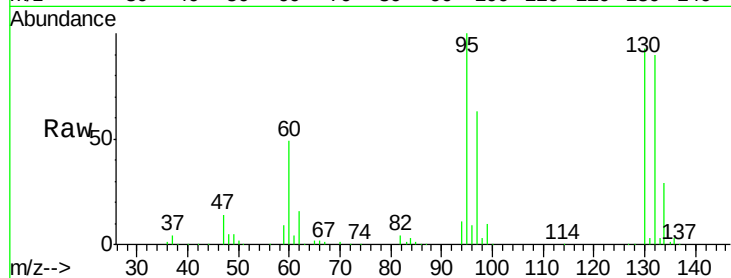
Ion Ratio Lower Upper

95 100

97 62.9 44.4 82.5

132 89.8 65.0 120.6

130 93.0 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): V

Ion 130.00 (129.70 to 130.70): V

