

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\  
 Data File : VU038104.D  
 Acq On : 11 May 2020 14:30  
 Operator : JC/MD  
 Sample : L2578-03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFSF2

Quant Time: May 12 02:07:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM043020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue May 12 01:10:23 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 724385   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 694874   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 327756   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 221870   | 34.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 69.64%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 208425   | 40.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 80.42%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 293024   | 28.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 56.22%# |
| 21) 2-Butanone-d5              | 4.66    | 46    | 467976   | 93.97    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.97%  |
| 24) Chloroform-d               | 5.10    | 84    | 416880   | 42.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.50%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 297434   | 43.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.80%  |
| 32) Benzene-d6                 | 5.76    | 84    | 895781   | 43.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.48%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 302306   | 44.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 89.04%  |
| 41) Toluene-d8                 | 7.92    | 98    | 787279   | 41.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.80%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 134915   | 42.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.74%  |
| 47) 2-Hexanone-d5              | 8.65    | 63    | 318143   | 107.72   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 107.72% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 430915   | 44.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.08%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20   | 152   | 301572   | 44.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.02%  |

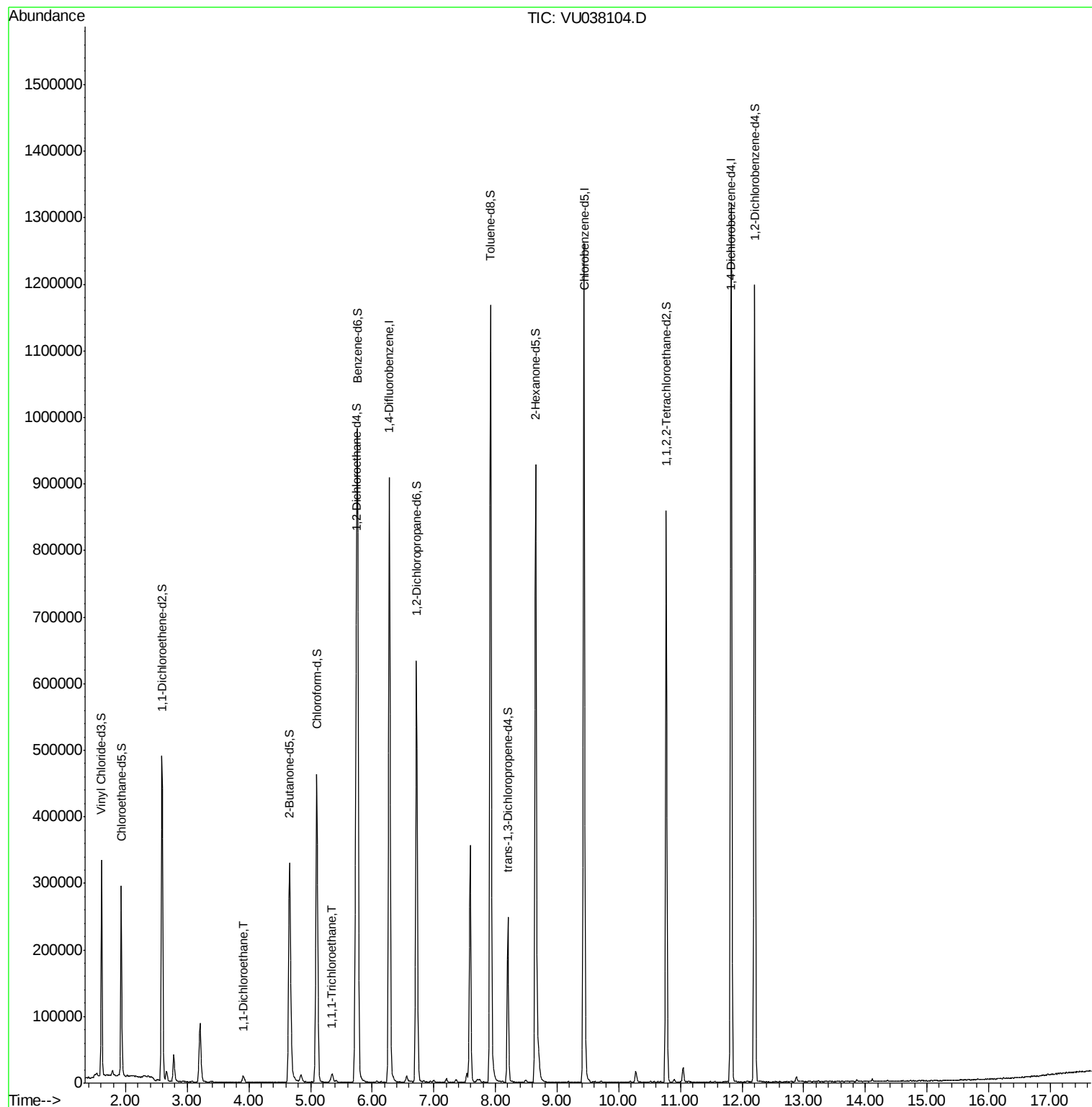
| Target Compounds          |      |    |       |            | Ovalue |
|---------------------------|------|----|-------|------------|--------|
| 19) 1,1-Dichloroethane    | 3.91 | 63 | 11497 | 1.127 ug/L | 99     |
| 30) 1,1,1-Trichloroethane | 5.35 | 97 | 9033  | 1.169 ug/L | 99     |

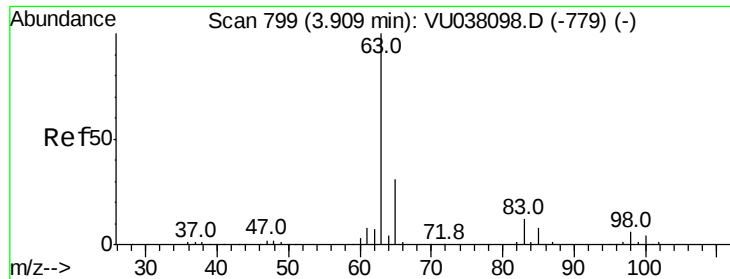
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue May 12 01:10:23 2020  
Response via : Initial Calibration





#19

1,1-Dichloroethane

Concen: 1.127 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038104.D

Acq: 11 May 2020 14:30

Instrument :

MSVOA\_U

ClientSampleId :

BFSF2

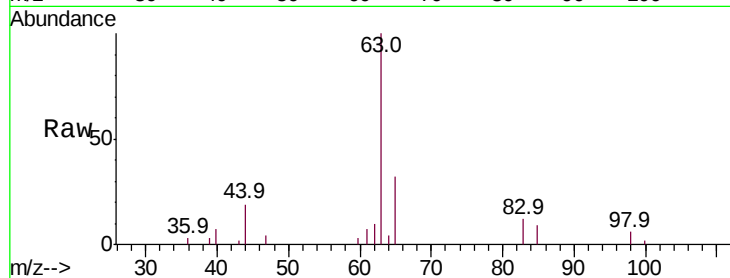
Tot Ion: 63 Resp: 11497

Ion Ratio Lower Upper

63 100

65 32.0 22.5 41.7

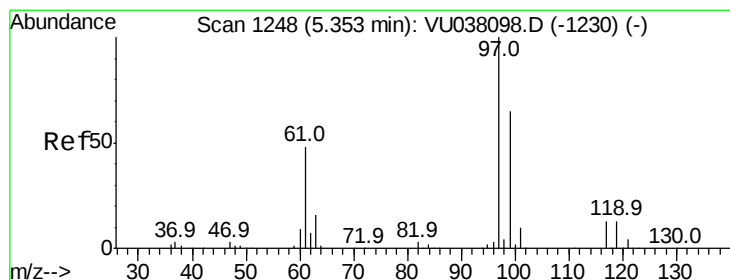
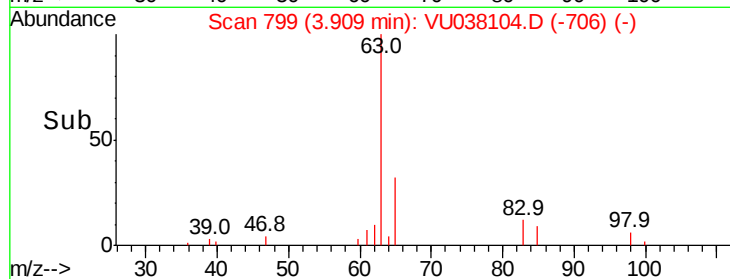
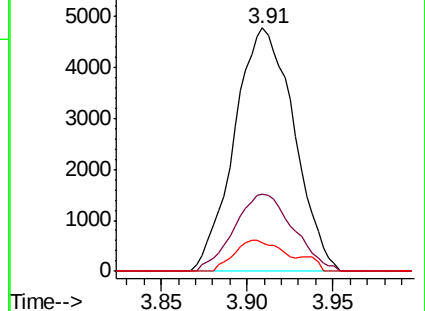
83 11.6 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU038098.D (-779) (-)

Ion 65.00 (64.70 to 65.70): VU038098.D (-779) (-)

Ion 83.00 (82.70 to 83.70): VU038098.D (-779) (-)



#30

1,1,1-Trichloroethane

Concen: 1.169 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU038104.D

Acq: 11 May 2020 14:30

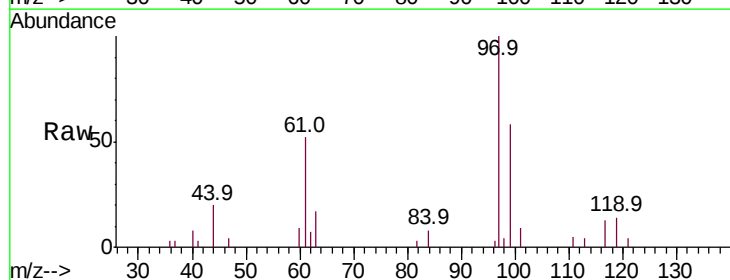
Tgt Ion: 97 Resp: 9033

Ion Ratio Lower Upper

97 100

99 63.4 50.5 75.7

61 47.2 38.8 58.2



Abundance Ion 97.00 (96.70 to 97.70): VU038098.D (-1230) (-)

Ion 99.00 (98.70 to 99.70): VU038098.D (-1230) (-)

Ion 61.05 (60.75 to 61.75): VU038098.D (-1230) (-)

