

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082118\  
 Data File : VU026228.D  
 Acq On : 21 Aug 2018 13:23  
 Operator : MD/SY  
 Sample : J4515-06DL 20X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0343DL

Quant Time: Aug 22 00:41:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Aug 22 00:24:50 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 131387   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 132796   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 61309    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 36212    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 104.40% |
| 7) Chloroethane-d5             | 1.68   | 69    | 30209    | 5.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 107.00% |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 76510    | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 105.20% |
| 20) 2-Butanone-d5              | 4.19   | 46    | 112907   | 56.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 113.98% |
| 24) Chloroform-d               | 4.65   | 84    | 83023    | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.00% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 46295    | 5.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.00% |
| 32) Benzene-d6                 | 5.34   | 84    | 155726   | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.20% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 50829    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.60% |
| 41) Toluene-d8                 | 7.57   | 98    | 136110   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.40%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 19823    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 99.80%  |
| 46) 2-Hexanone-d5              | 8.32   | 63    | 89505    | 54.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 108.22% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44  | 84    | 42263    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 104.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 57301    | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.80% |

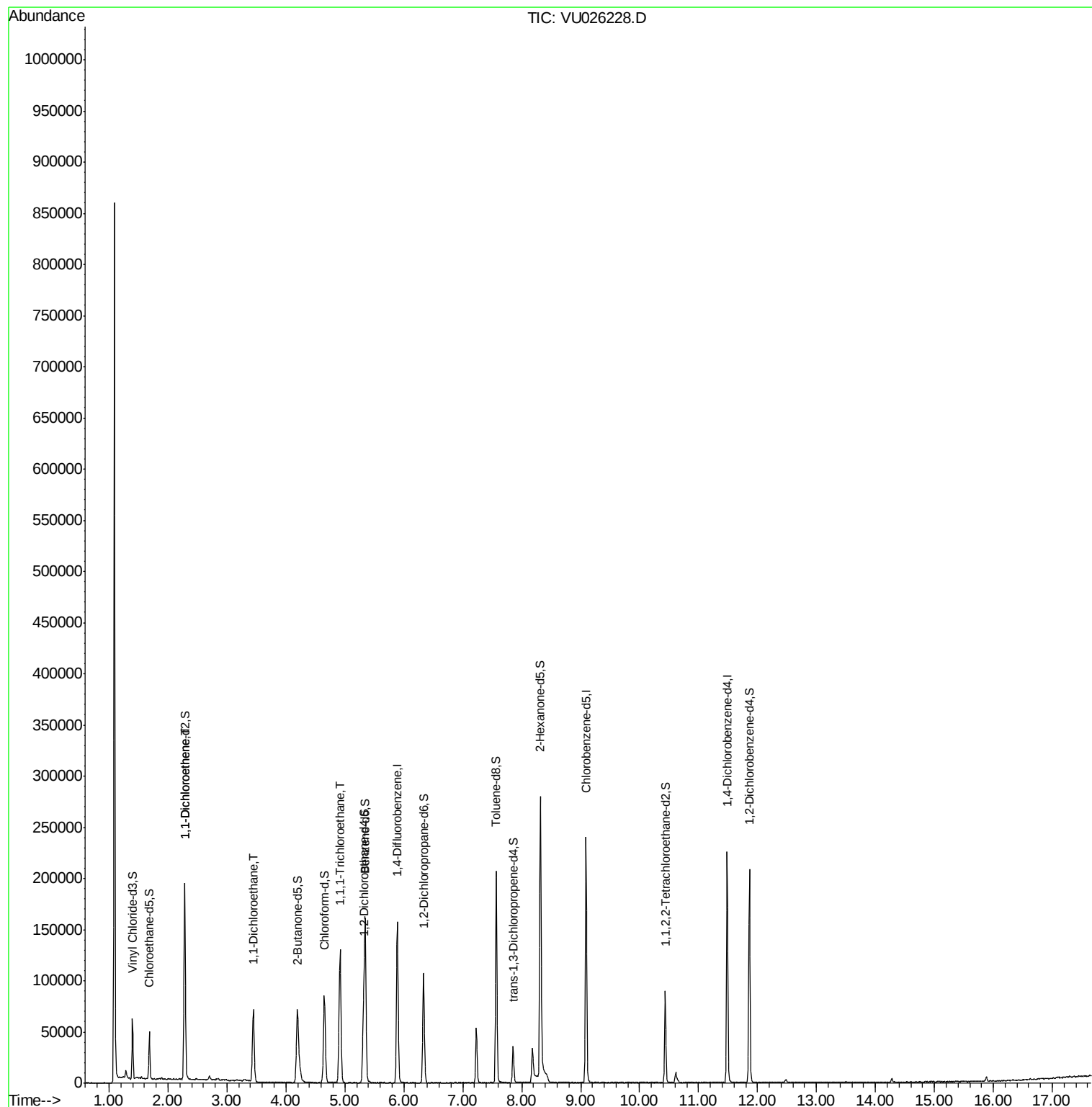
| Target Compounds          |      |    |        |      | Ovalue   |
|---------------------------|------|----|--------|------|----------|
| 12) 1,1-Dichloroethene    | 2.29 | 96 | 41147  | 5.39 | ug/L 96  |
| 19) 1,1-Dichloroethane    | 3.45 | 63 | 76169  | 4.82 | ug/L 99  |
| 29) 1,1,1-Trichloroethane | 4.92 | 97 | 100942 | 5.87 | ug/L 100 |

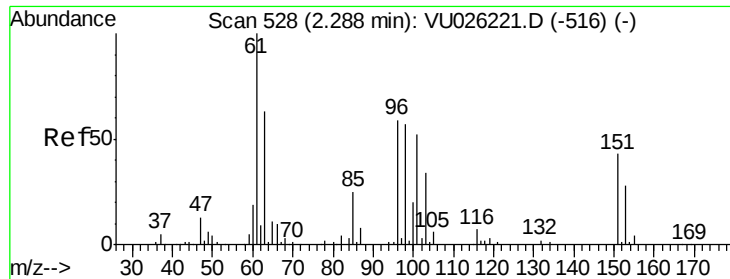
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 5.39 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026228.D

Acq: 21 Aug 2018 13:23

Instrument :

MSVOA\_U

ClientSampleID :

C0343DL

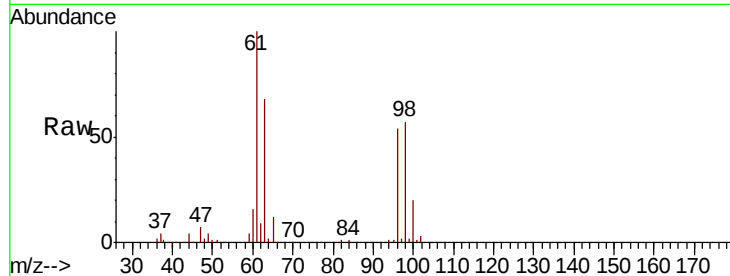
Tot Ion: 96 Resp: 41147

Ion Ratio Lower Upper

96 100

61 184.2 125.3 232.7

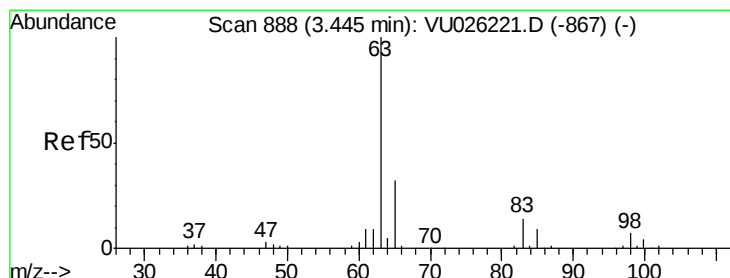
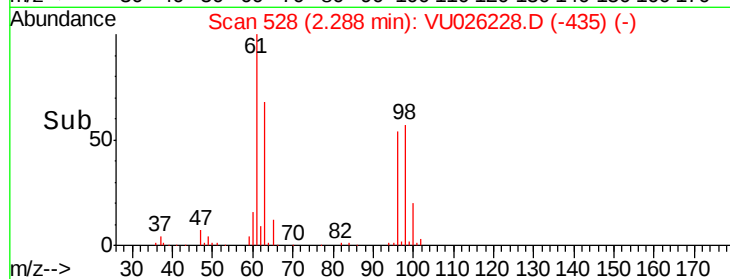
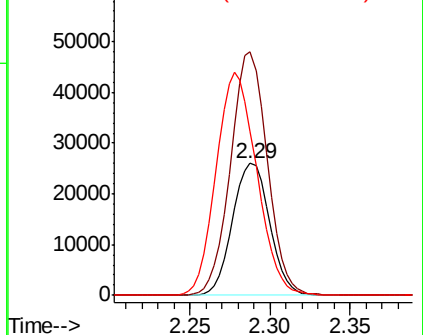
63 124.3 90.9 168.9



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#19

1,1-Dichloroethane

Concen: 4.82 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU026228.D

Acq: 21 Aug 2018 13:23

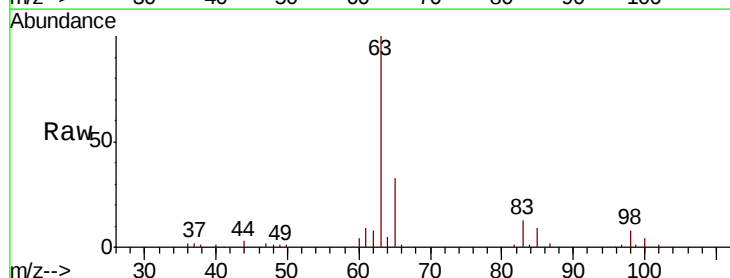
Tgt Ion: 63 Resp: 76169

Ion Ratio Lower Upper

63 100

65 33.1 23.2 43.0

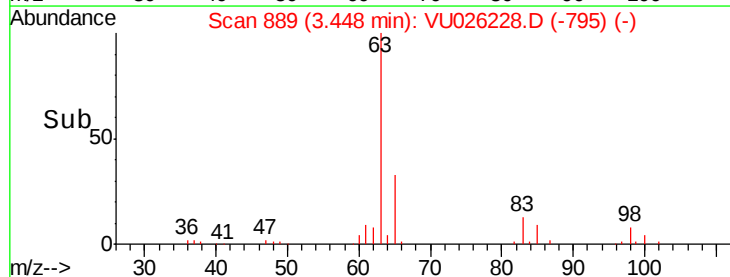
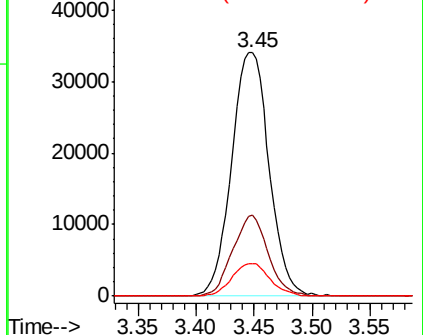
83 13.5 10.1 18.9

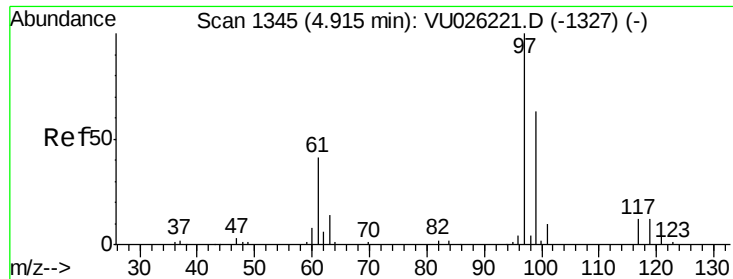


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#29

1,1,1-Trichloroethane

Concen: 5.87 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU026228.D

Acq: 21 Aug 2018 13:23

Instrument :

MSVOA\_U

ClientSampleId :

C0343DL

Tot Ion: 97 Resp: 100942

Ion Ratio Lower Upper

97 100

99 65.1 52.3 78.5

61 43.6 35.0 52.6

