

Data File : VU023552.D  
Acq On : 01 May 2018 14:10  
Operator : MD/SY  
Sample : VU0501WBL01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 02 03:13:47 2018  
Quant Method : W:\HPCHEM1\MSVOA\_U\METHOD\SOMULM050118WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 02 03:12:05 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 326270   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 317297   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 153518   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

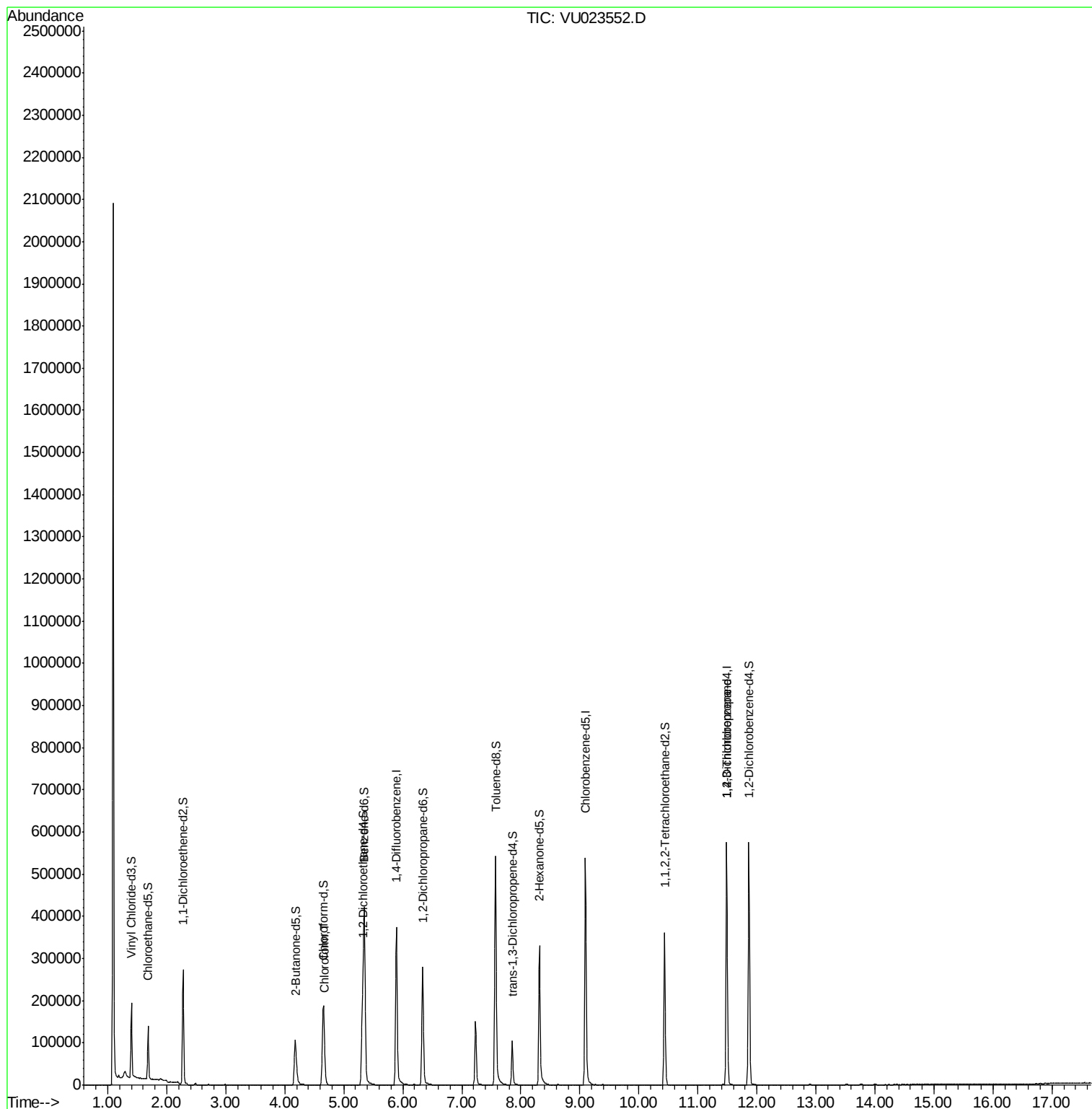
|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 112780   | 48.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 97.54%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 87486    | 49.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 99.26%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 159174   | 35.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.62%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 175910   | 110.10   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 110.10% |
| 24) Chloroform-d               | 4.65    | 84    | 183631   | 48.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.04%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 135252   | 50.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.70% |
| 32) Benzene-d6                 | 5.35    | 84    | 436768   | 51.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.62% |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 145016   | 50.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.72% |
| 41) Toluene-d8                 | 7.57    | 98    | 395791   | 50.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.86% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 60805    | 49.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 99.06%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 115176   | 106.36   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.36% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 180857   | 49.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.06%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 156625   | 52.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.60% |

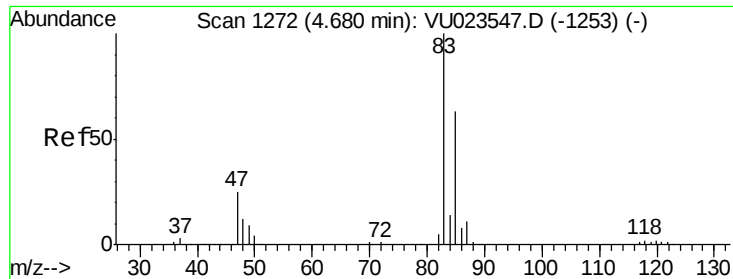
| Target Compounds           |       |    |       |      |      | Qvalue |
|----------------------------|-------|----|-------|------|------|--------|
| 25) Chloroform             | 4.68  | 83 | 17740 | 3.35 | ug/L | 98     |
| 59) 1,2,3-Trichloropropane | 11.49 | 75 | 18684 | 5.28 | ug/L | 94     |

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

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#25

Chloroform

Concen: 3.35 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU023552.D

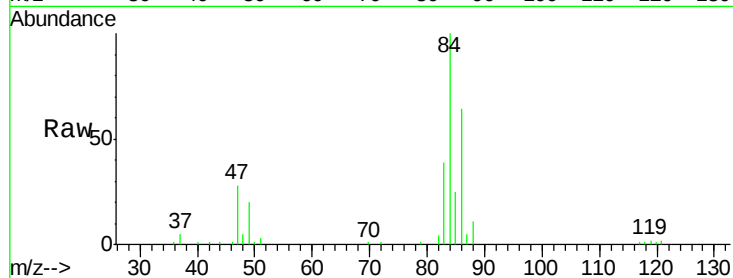
Acq: 01 May 2018 14:10

Tgt Ion: 83 Resp: 17740

Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

8000

6000

4000

2000

0

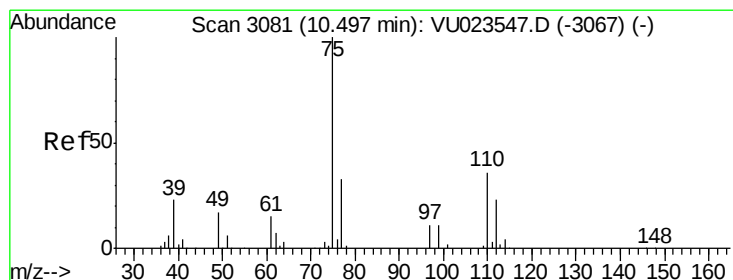
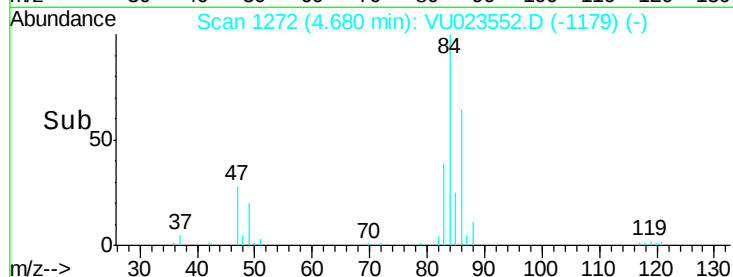
4.60

4.65

4.70

4.75

Time-->



#59

1,2,3-Trichloropropane

Concen: 5.28 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

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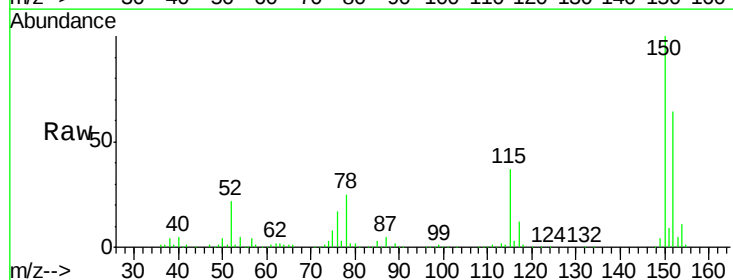
Acq: 01 May 2018 14:10

Tgt Ion: 75 Resp: 18684

Ion Ratio Lower Upper

75 100

77 35.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

10000

5000

0

11.45

11.50

11.55

Time-->

