

Data Path : W:\HPCHEM1\MSVOA\_U\DATA\VU052218\  
 Data File : VU024023.D  
 Acq On : 22 May 2018 18:36  
 Operator : MD/SY  
 Sample : J3043-07  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 23 02:54:07 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_U\METHOD\SOMULM051218WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 23 02:51:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 277449   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 281865   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 126319   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 86303    | 33.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 66.94%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 74894    | 36.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 73.74%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 130306   | 27.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 55.10%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 192586   | 107.34   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.34% |
| 24) Chloroform-d               | 4.65    | 84    | 178742   | 45.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.84%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 125789   | 48.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.16%  |
| 32) Benzene-d6                 | 5.35    | 84    | 346486   | 42.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.22%  |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 128098   | 46.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.18%  |
| 41) Toluene-d8                 | 7.57    | 98    | 309177   | 40.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.56%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 51323    | 43.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.80%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 134784   | 105.21   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 105.21% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 189708   | 48.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.94%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.87   | 152   | 134464   | 49.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.58%  |

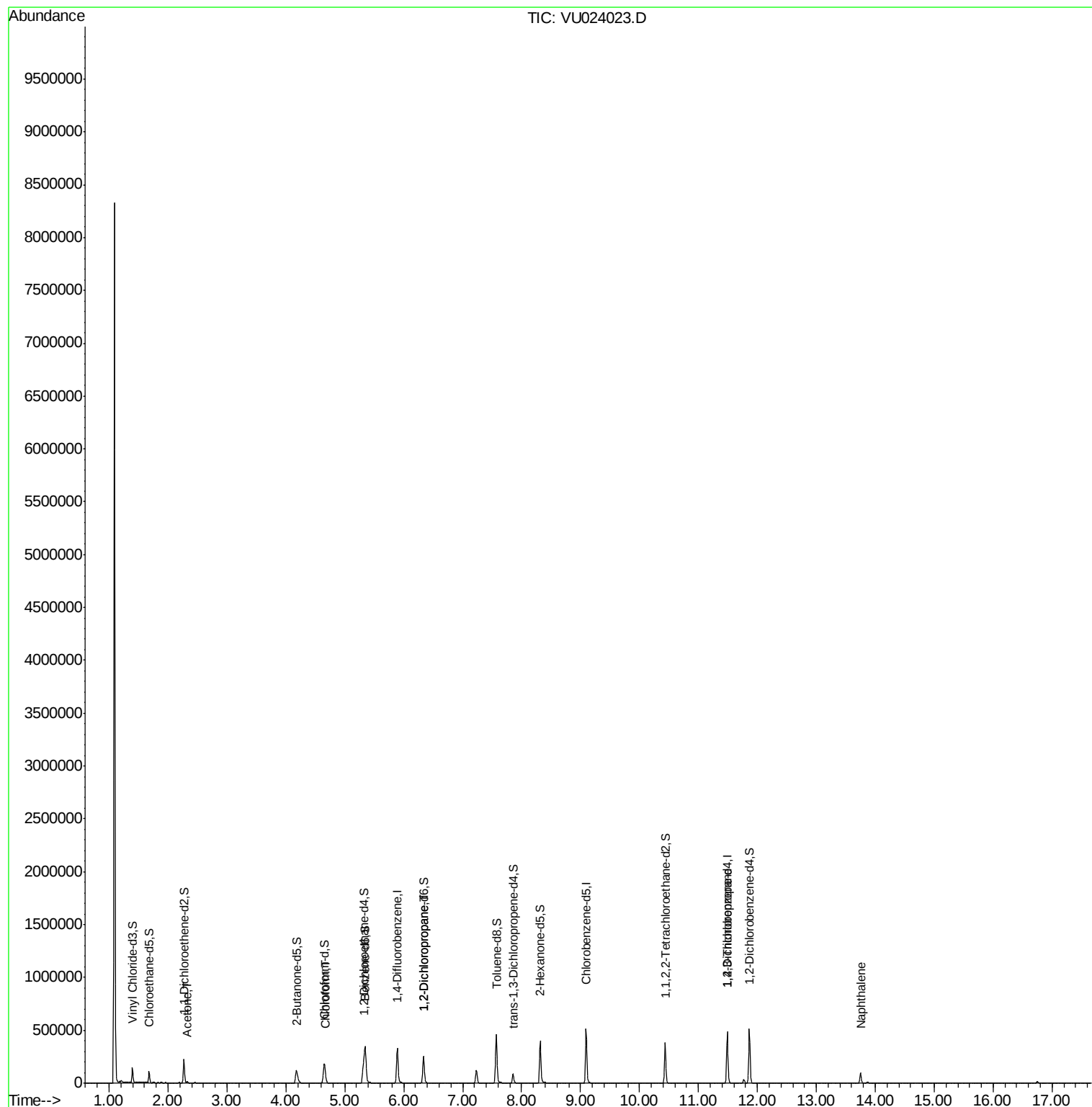
## Target Compounds

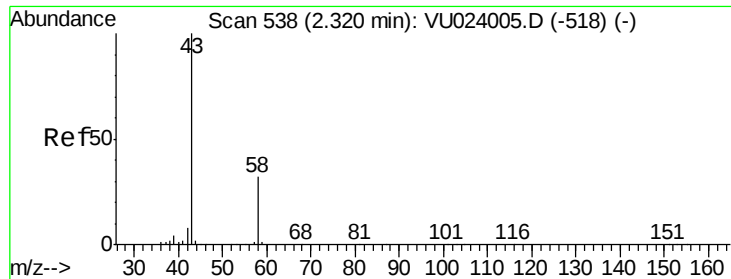
|                            |       |     |       |      |        | Qvalue |
|----------------------------|-------|-----|-------|------|--------|--------|
| 13) Acetone                | 2.32  | 43  | 13619 | 7.54 | ug/L   | 97     |
| 25) Chloroform             | 4.68  | 83  | 8216  | 1.87 | ug/L   | 98     |
| 37) 1,2-Dichloropropane    | 6.34  | 63  | 13283 | 4.84 | ug/L # | 88     |
| 59) 1,2,3-Trichloropropane | 11.49 | 75  | 16168 | 4.54 | ug/L   | 92     |
| 69) Naphthalene            | 13.75 | 128 | 78432 | 9.25 | ug/L   | 100    |

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

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#13

Acetone

Concen: 7.54 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024023.D

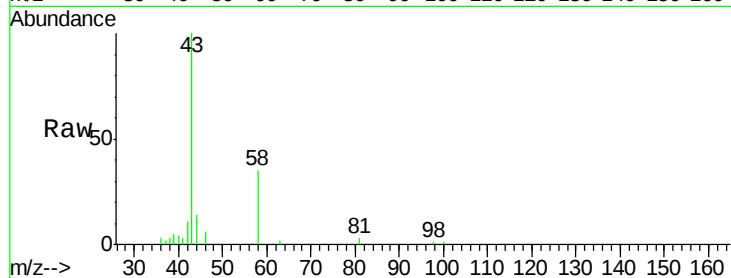
Acq: 22 May 2018 18:36

Tgt Ion: 43 Resp: 13619

Ion Ratio Lower Upper

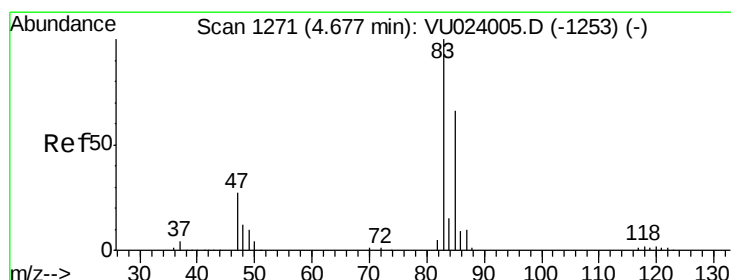
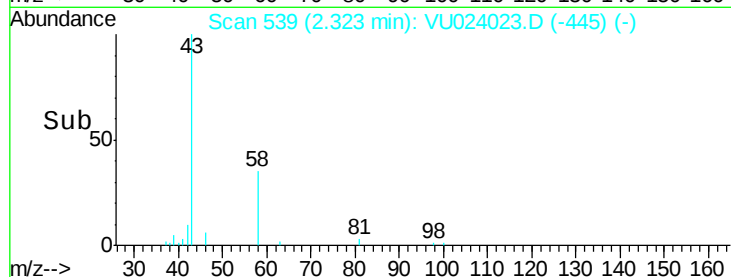
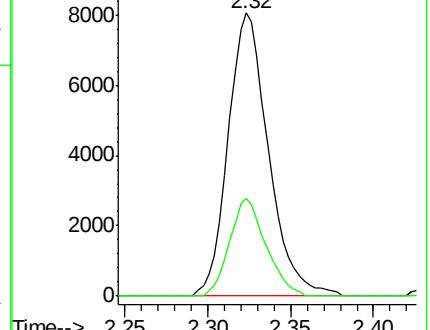
43 100

58 31.1 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VU024023.D (-445) (-)

Ion 58.00 (57.70 to 58.70): VU024023.D (-445) (-)



#25

Chloroform

Concen: 1.87 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU024023.D

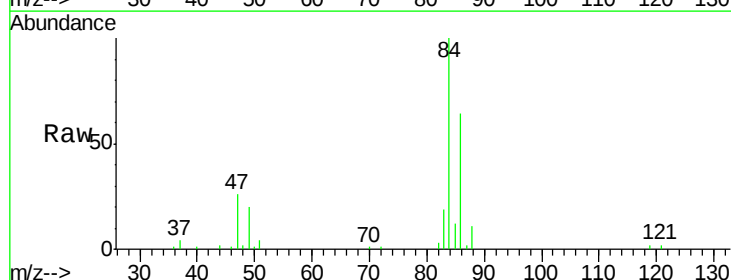
Acq: 22 May 2018 18:36

Tgt Ion: 83 Resp: 8216

Ion Ratio Lower Upper

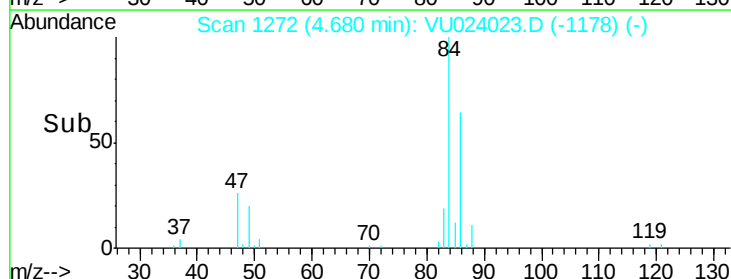
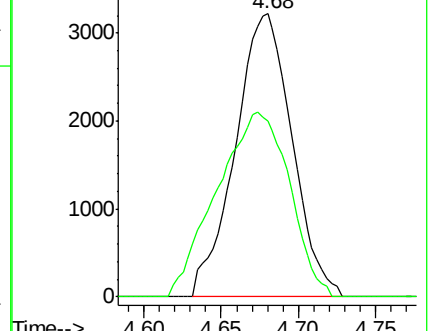
83 100

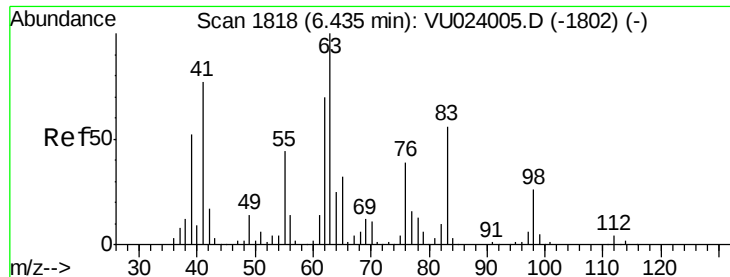
85 62.2 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VU024023.D (-1178) (-)

Ion 85.00 (84.70 to 85.70): VU024023.D (-1178) (-)





#37

1,2-Dichloropropane

Concen: 4.84 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU024023.D

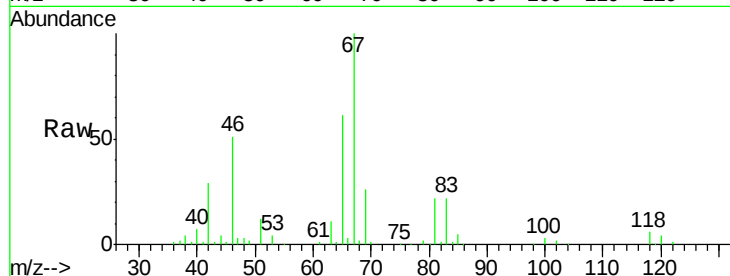
Acq: 22 May 2018 18:36

Tgt Ion: 63 Resp: 13283

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU024005.D (-1802) (-)

Ion 112.00 (111.70 to 112.70): VU024005.D (-1802) (-)

6.34

8000

6000

4000

2000

0

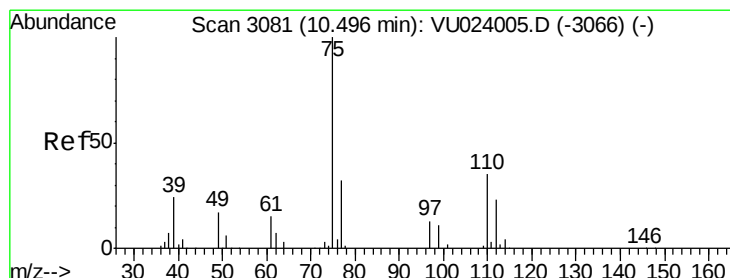
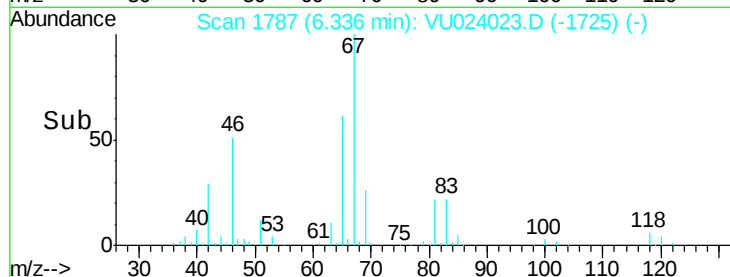
Time-->

6.25

6.30

6.35

6.40



#59

1,2,3-Trichloropropane

Concen: 4.54 ug/L

RT: 11.49 min Scan# 3390

Delta R.T. 0.99 min

Lab File: VU024023.D

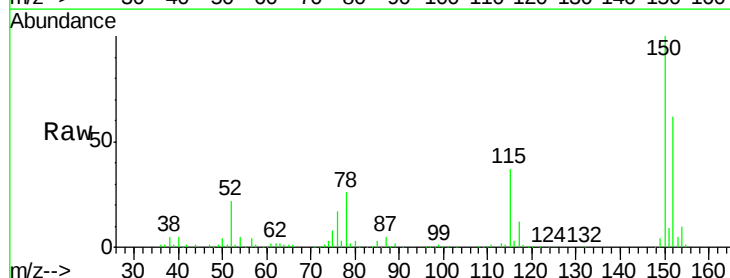
Acq: 22 May 2018 18:36

Tgt Ion: 75 Resp: 16168

Ion Ratio Lower Upper

75 100

77 37.0 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU024005.D (-3066) (-)

Ion 77.00 (76.70 to 77.70): VU024005.D (-3066) (-)

11.49

10000

8000

6000

4000

2000

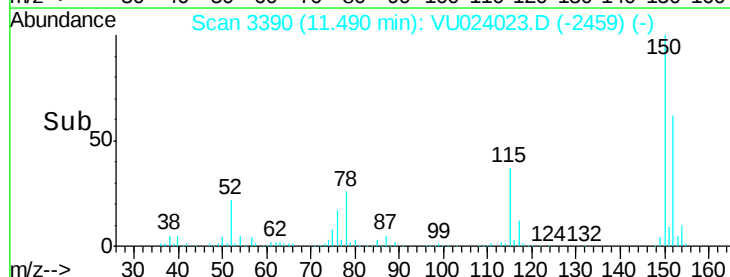
0

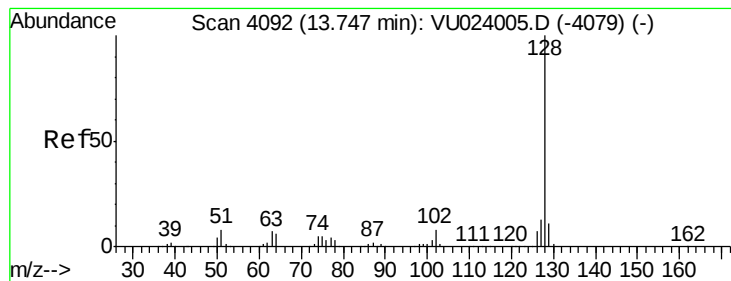
Time-->

11.45

11.50

11.55





#69  
 Naphthalene  
 Concen: 9.25 ug/L  
 RT: 13.75 min Scan# 4093  
 Delta R.T. 0.00 min  
 Lab File: VU024023.D  
 Acq: 22 May 2018 18:36

Tgt Ion:128 Resp: 78432  
 Ion Ratio Lower Upper  
 128 100  
 127 13.2 10.3 15.5  
 129 10.8 8.6 12.8

