

Data Path : W:\HPCHEM1\MSVOA\_U\DATA\VU052718\  
 Data File : VU024201.D  
 Acq On : 27 May 2018 20:29  
 Operator : MD/SY  
 Sample : J3092-18  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 28 04:22:14 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_U\METHOD\SOMULM052518WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 28 04:17:49 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 295764   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 278189   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 95220    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 108977   | 48.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 96.94%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 91264    | 51.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 102.22% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 151219   | 36.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.30%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 160157   | 89.60    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 89.60%  |
| 24) Chloroform-d               | 4.65    | 84    | 190746   | 47.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.68%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 127699   | 50.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.06% |
| 32) Benzene-d6                 | 5.35    | 84    | 392091   | 50.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.86% |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 130980   | 49.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.28%  |
| 41) Toluene-d8                 | 7.57    | 98    | 334878   | 46.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.86%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 46995    | 44.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.58%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 106283   | 84.43    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 84.43%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 174102   | 45.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.46%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.87   | 152   | 113388   | 54.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.62% |

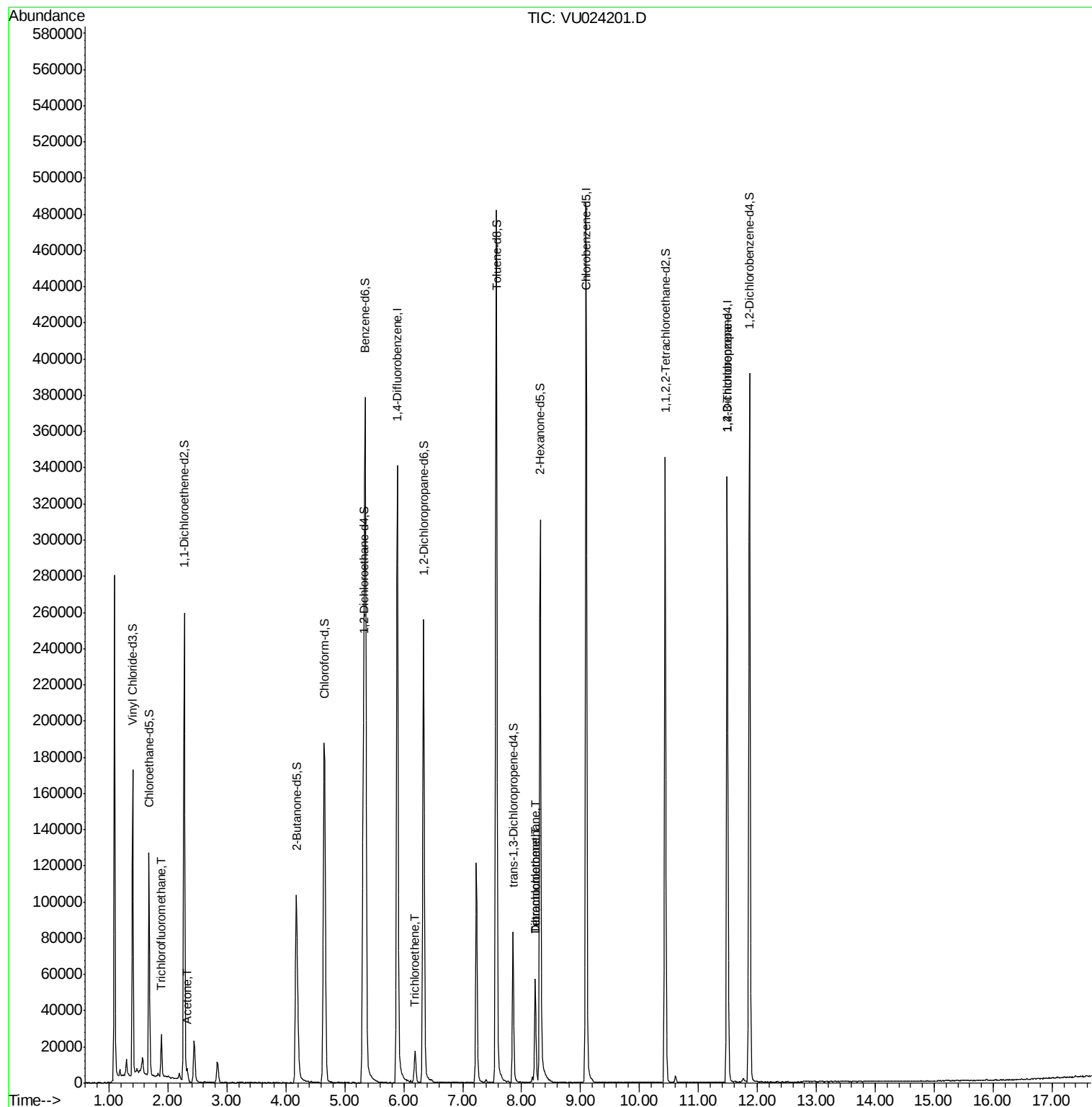
## Target Compounds

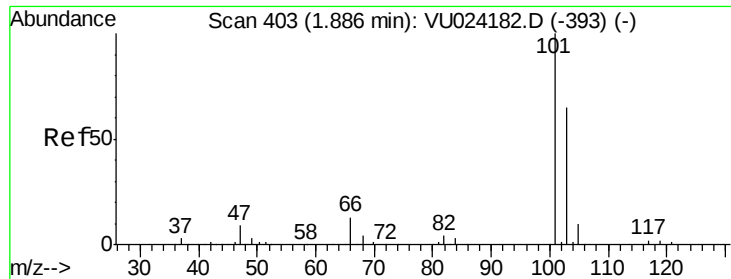
|                            |       |     |       |      |        | Qvalue |
|----------------------------|-------|-----|-------|------|--------|--------|
| 9) Trichlorofluoromethane  | 1.89  | 101 | 12764 | 3.56 | ug/L   | 100    |
| 13) Acetone                | 2.32  | 43  | 5028  | 3.23 | ug/L   | 99     |
| 34) Trichloroethene        | 6.19  | 95  | 6084  | 2.34 | ug/L   | 98     |
| 46) Tetrachloroethene      | 8.23  | 164 | 13961 | 7.67 | ug/L   | 99     |
| 49) Dibromochloromethane   | 8.23  | 129 | 13436 | 5.53 | ug/L # | 11     |
| 59) 1,2,3-Trichloropropane | 11.49 | 75  | 10950 | 3.37 | ug/L   | 92     |

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

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QLast Update : Mon May 28 04:17:49 2018  
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 3.56 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU024201.D

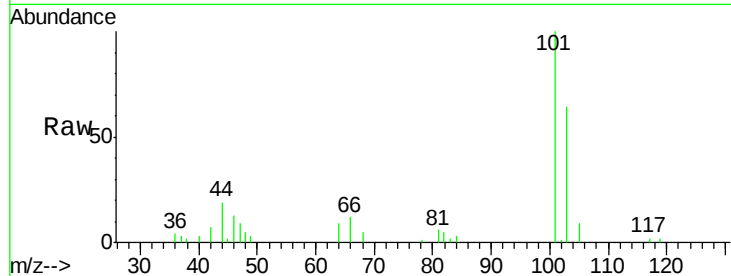
Acq: 27 May 2018 20:29

Tgt Ion: 101 Resp: 12764

Ion Ratio Lower Upper

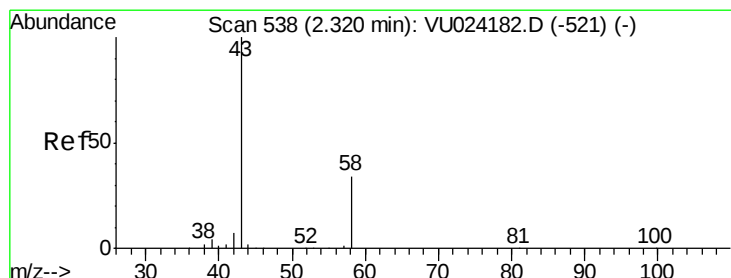
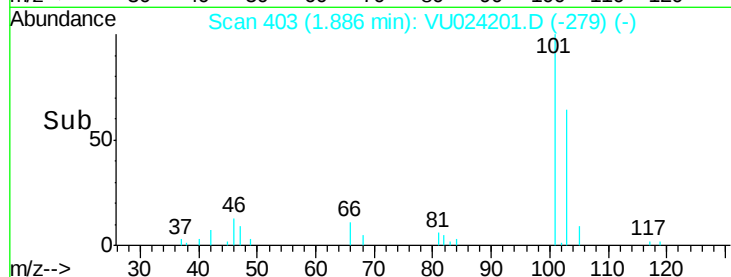
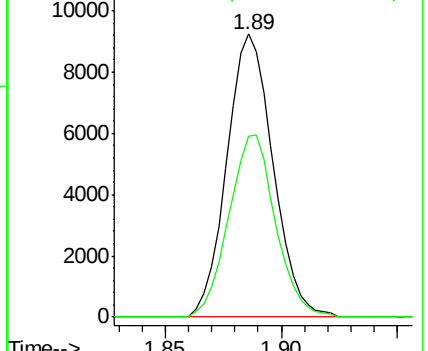
101 100

103 65.0 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Acetone

Concen: 3.23 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024201.D

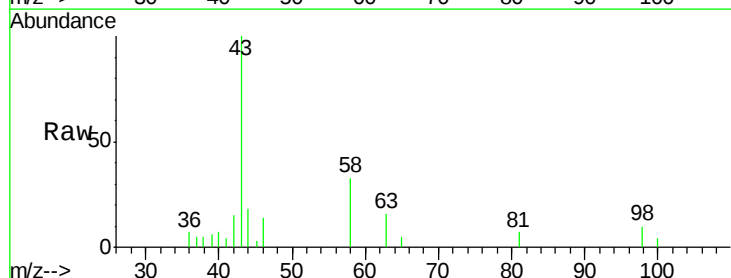
Acq: 27 May 2018 20:29

Tgt Ion: 43 Resp: 5028

Ion Ratio Lower Upper

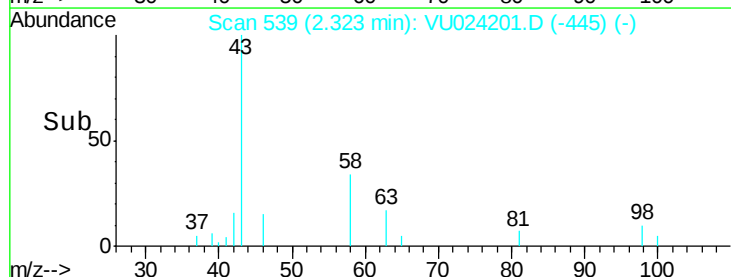
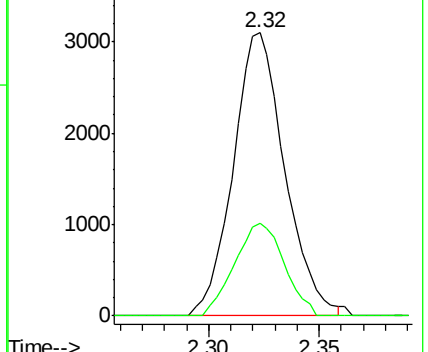
43 100

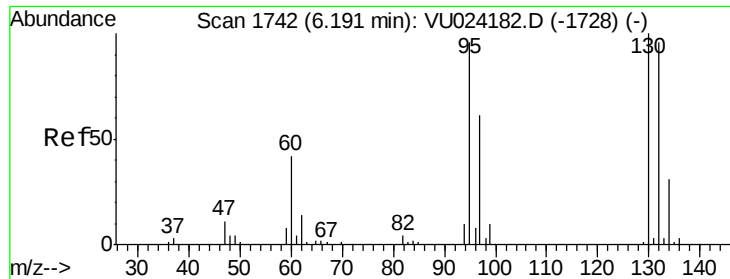
58 31.5 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#34

Trichloroethene

Concen: 2.34 ug/L

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU024201.D

Acq: 27 May 2018 20:29

Tgt Ion: 95 Resp: 6084

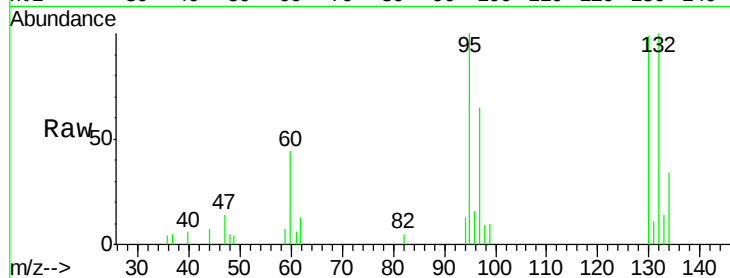
Ion Ratio Lower Upper

95 100

97 64.6 44.5 82.7

132 99.6 69.0 128.2

130 98.6 70.6 131.0

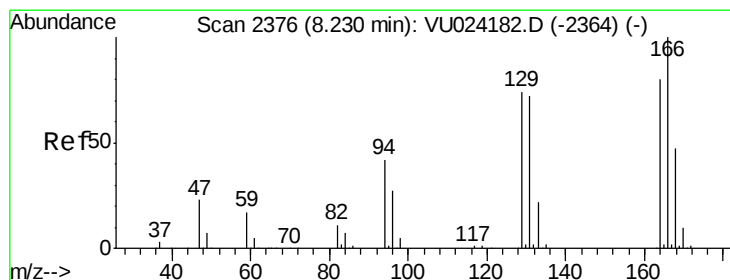
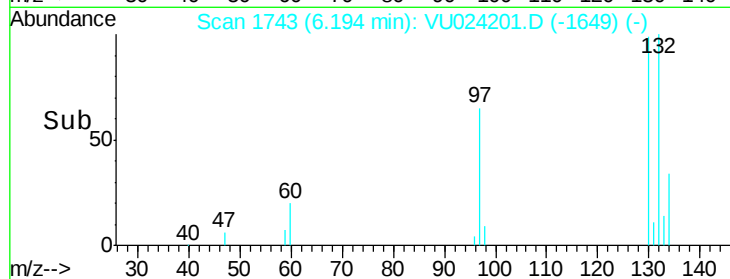
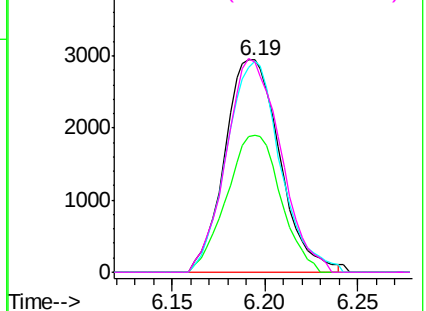


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#46

Tetrachloroethene

Concen: 7.67 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU024201.D

Acq: 27 May 2018 20:29

Tgt Ion: 164 Resp: 13961

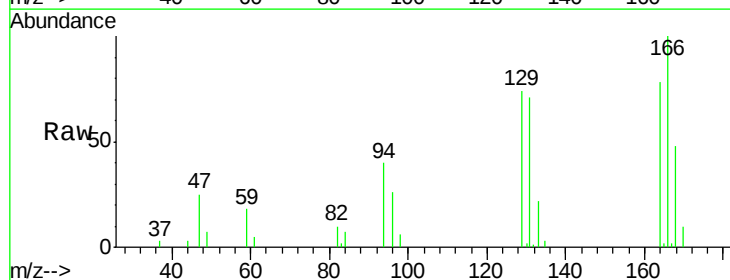
Ion Ratio Lower Upper

164 100

129 94.9 66.6 123.6

131 91.3 64.5 119.9

166 128.1 89.3 165.9

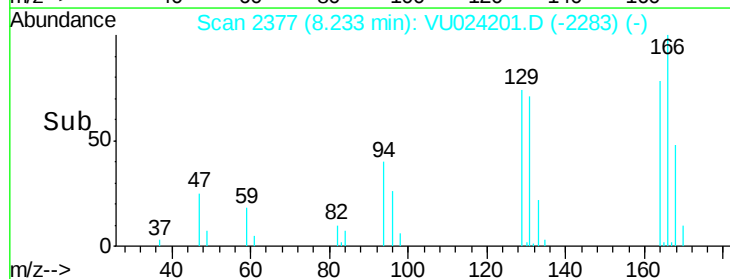
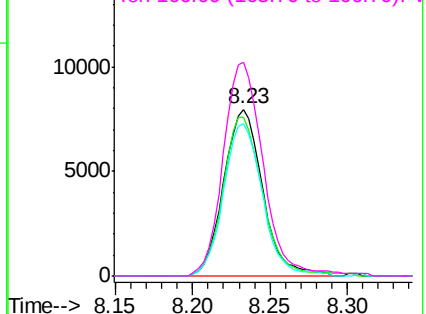


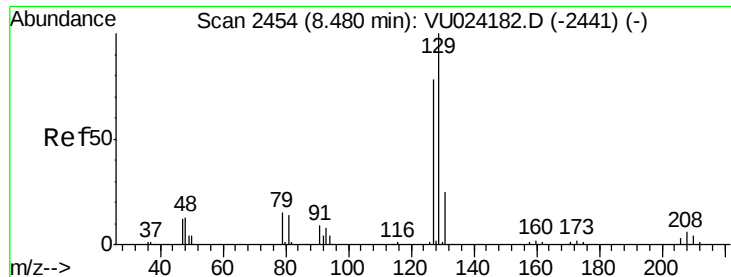
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

Dibromochloromethane

Concen: 5.53 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.25 min

Lab File: VU024201.D

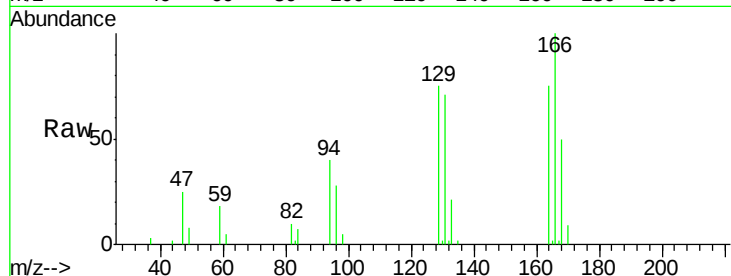
Acq: 27 May 2018 20:29

Tgt Ion: 129 Resp: 13436

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.23

8000

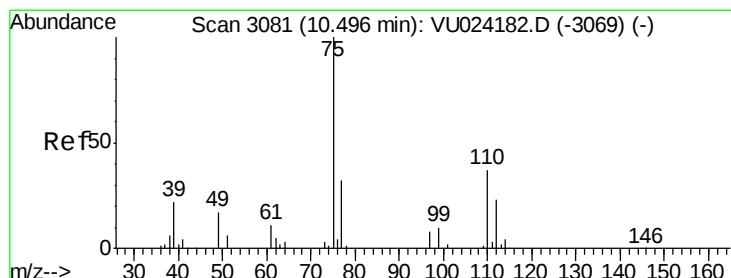
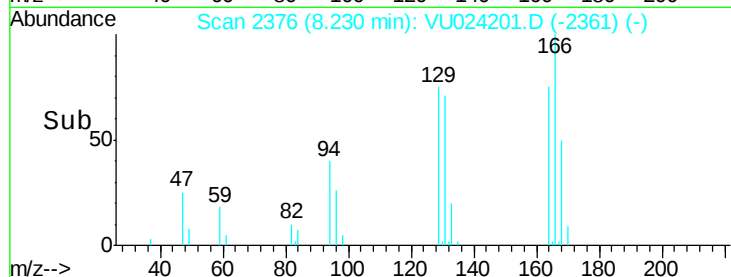
6000

4000

2000

0

Time--> 8.15 8.20 8.25 8.30



#59

1,2,3-Trichloropropane

Concen: 3.37 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU024201.D

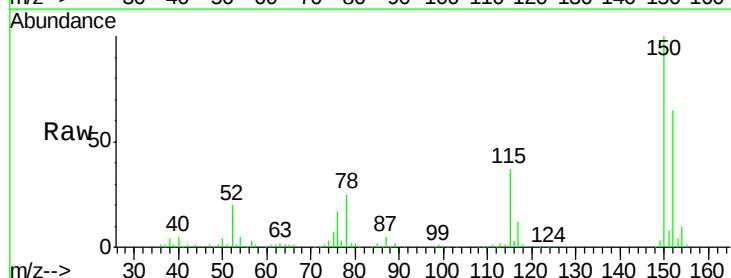
Acq: 27 May 2018 20:29

Tgt Ion: 75 Resp: 10950

Ion Ratio Lower Upper

75 100

77 36.6 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.49

6000

4000

2000

0

Time--> 11.45 11.50 11.55

