

Data Path : W:\HPCHEM1\MSVOA\_U\DATA\VU052618\  
 Data File : VU024157.D  
 Acq On : 26 May 2018 20:04  
 Operator : MD/SY  
 Sample : J3091-09 10X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 28 01:00:40 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_U\METHOD\SOMULM052518WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 28 00:49:31 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 281383   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 264762   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 91955    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 82477    | 38.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 77.12%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 73633    | 43.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 86.70%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 121558   | 30.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.10%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 164242   | 96.58    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.58%  |
| 24) Chloroform-d               | 4.65    | 84    | 173065   | 45.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.30%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 113515   | 46.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.50%  |
| 32) Benzene-d6                 | 5.35    | 84    | 335973   | 45.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.70%  |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 119840   | 47.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.44%  |
| 41) Toluene-d8                 | 7.57    | 98    | 286501   | 42.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.38%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 41920    | 41.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.96%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 111225   | 92.83    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 92.83%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 165988   | 45.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.62%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.87   | 152   | 104199   | 51.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.36% |

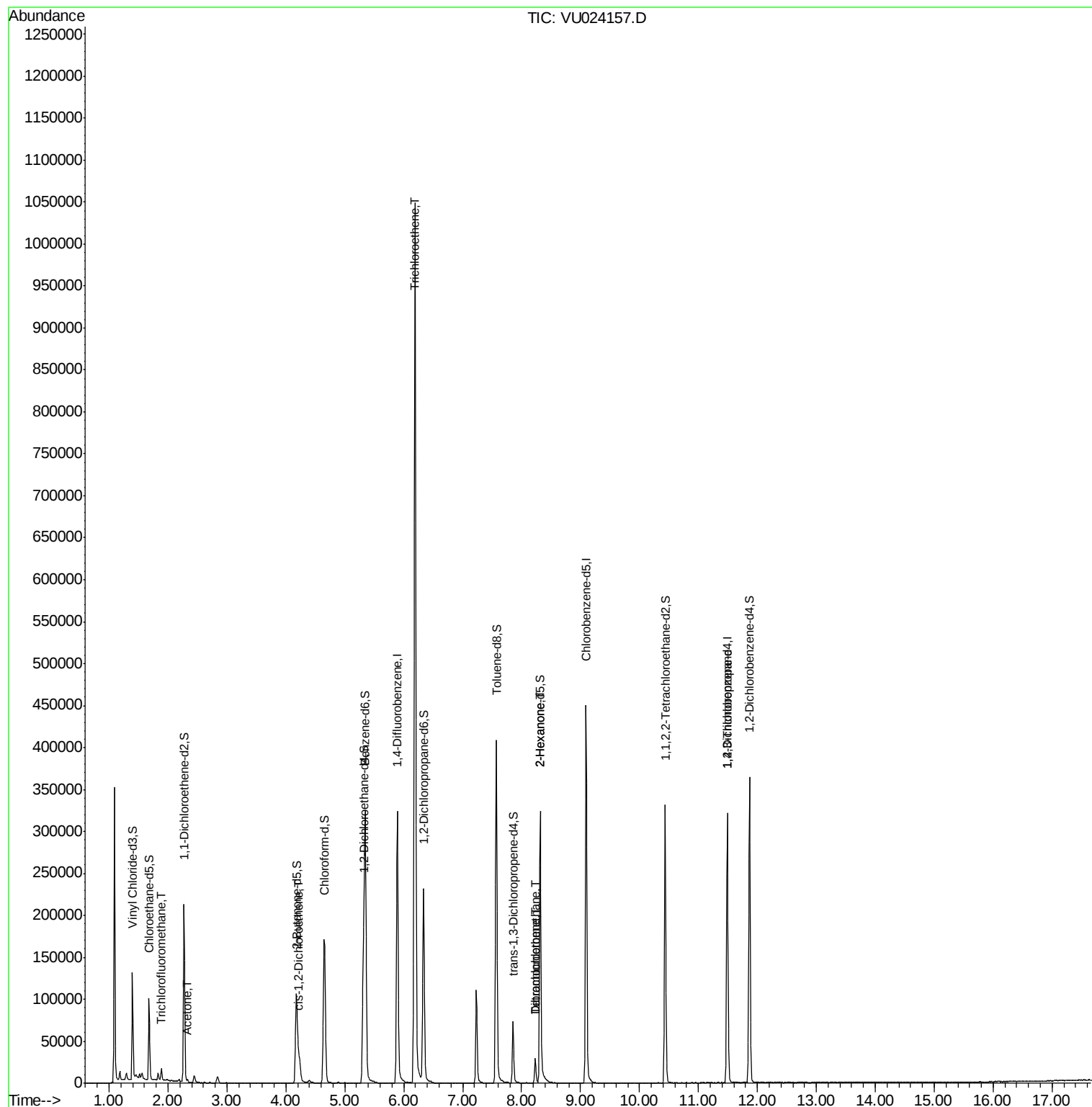
## Target Compounds

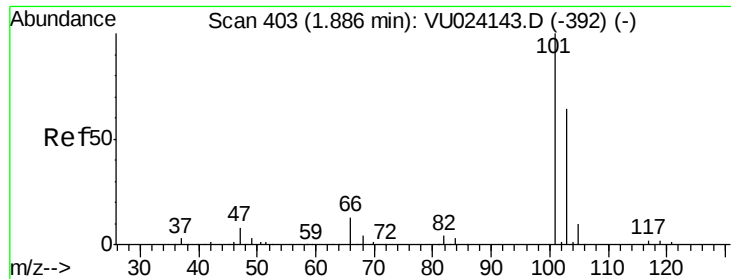
|                            |       |     |        |        |        | Qvalue |
|----------------------------|-------|-----|--------|--------|--------|--------|
| 9) Trichlorofluoromethane  | 1.89  | 101 | 6692   | 1.96   | ug/L   | 98     |
| 13) Acetone                | 2.32  | 43  | 2053   | 1.39   | ug/L   | 97     |
| 20) cis-1,2-Dichloroethene | 4.23  | 96  | 13003  | 5.74   | ug/L   | 92     |
| 34) Trichloroethene        | 6.19  | 95  | 374345 | 151.20 | ug/L   | 98     |
| 46) Tetrachloroethene      | 8.23  | 164 | 7243   | 4.18   | ug/L   | 97     |
| 48) 2-Hexanone             | 8.31  | 43  | 13030  | 4.93   | ug/L # | 64     |
| 49) Dibromochloromethane   | 8.23  | 129 | 6422   | 2.78   | ug/L # | 11     |
| 59) 1,2,3-Trichloropropane | 11.49 | 75  | 10531  | 3.40   | ug/L   | 90     |

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

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#9

Trichlorofluoromethane

Concen: 1.96 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU024157.D

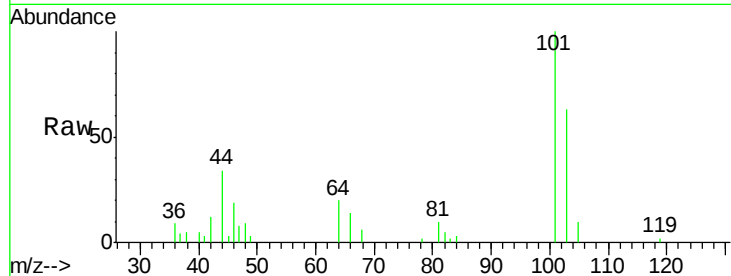
Acq: 26 May 2018 20:04

Tgt Ion: 101 Resp: 6692

Ion Ratio Lower Upper

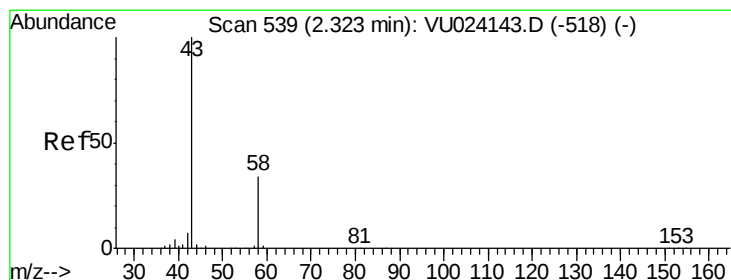
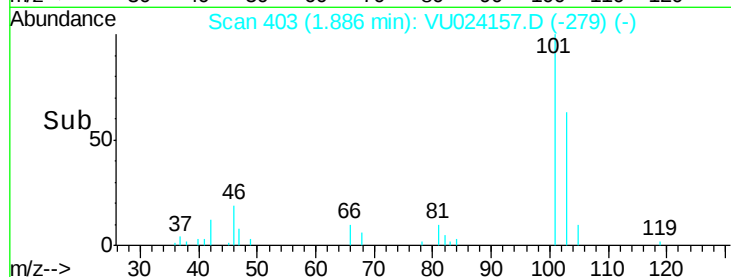
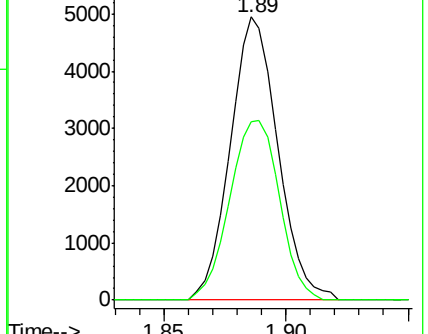
101 100

103 66.4 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: 1.39 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024157.D

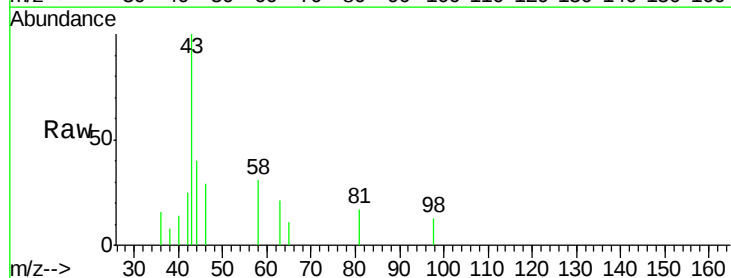
Acq: 26 May 2018 20:04

Tgt Ion: 43 Resp: 2053

Ion Ratio Lower Upper

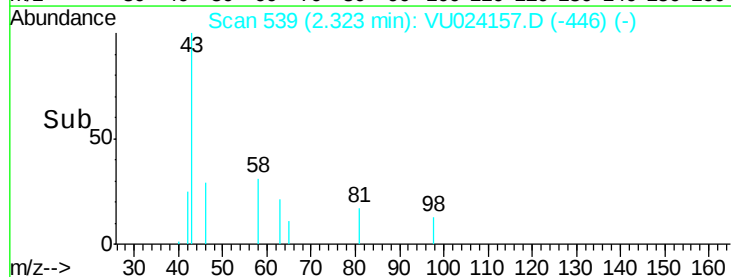
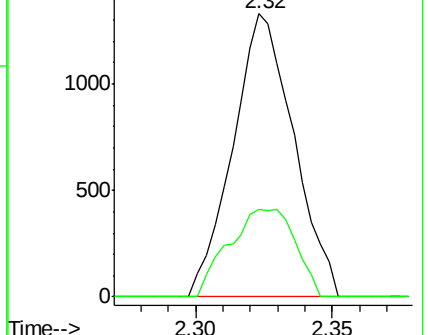
43 100

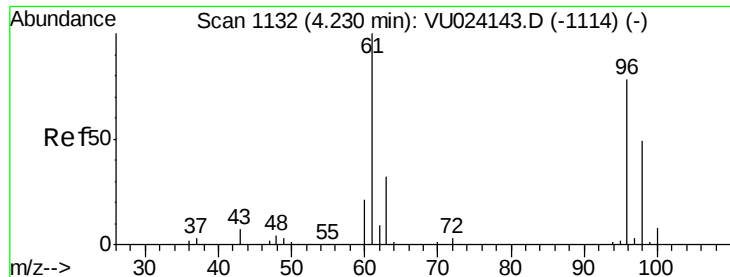
58 33.9 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 5.74 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU024157.D

Acq: 26 May 2018 20:04

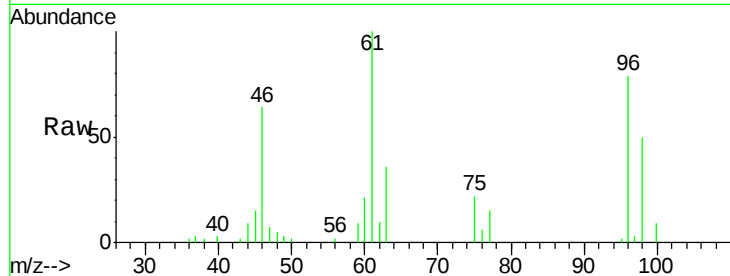
Tgt Ion: 96 Resp: 13003

Ion Ratio Lower Upper

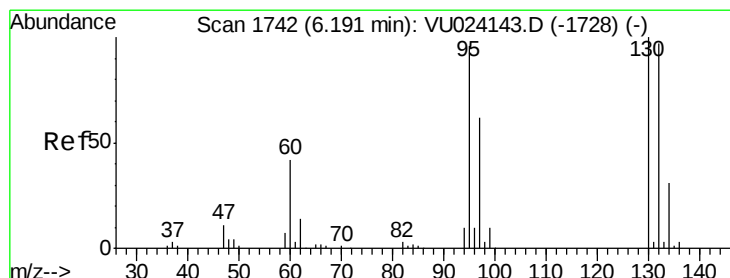
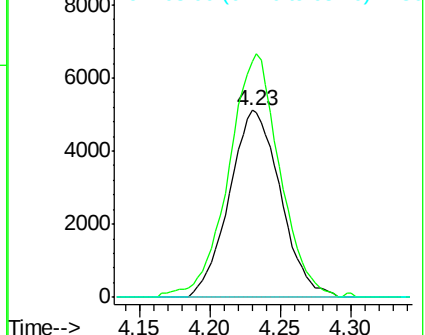
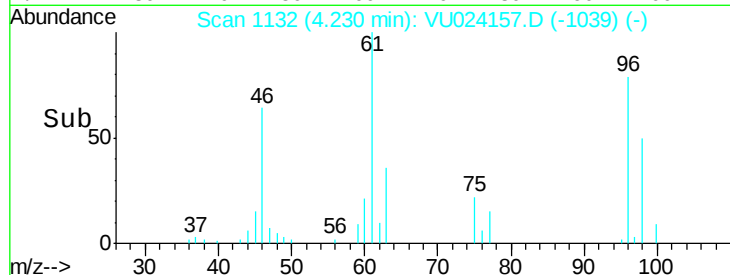
96 100

61 126.0 94.8 176.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU024157.D (-1039) (-)



#34

Trichloroethene

Concen: 151.20 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024157.D

Acq: 26 May 2018 20:04

Tgt Ion: 95 Resp: 374345

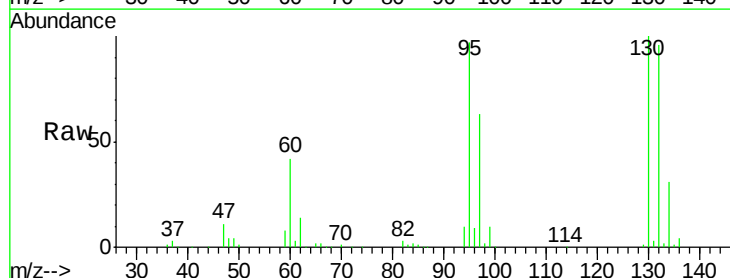
Ion Ratio Lower Upper

95 100

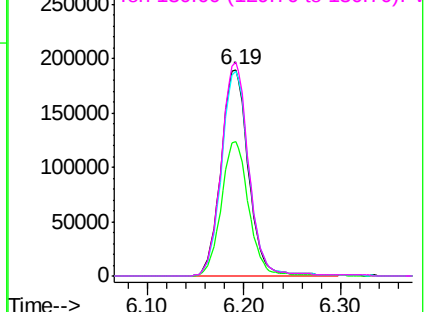
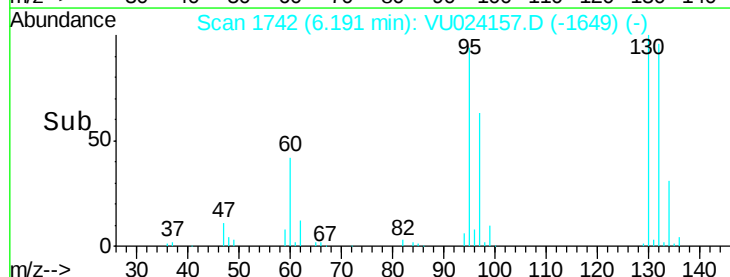
97 65.3 44.5 82.7

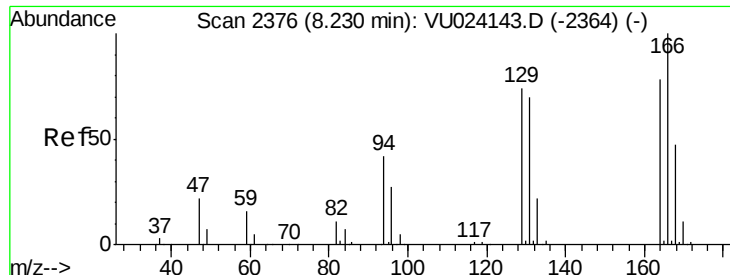
132 99.5 69.0 128.2

130 103.6 70.6 131.0



Abundance Ion 95.00 (94.70 to 95.70): VU024157.D (-1649) (-)





#46

Tetrachloroethene

Concen: 4.18 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU024157.D

Acq: 26 May 2018 20:04

Tgt Ion: 164 Resp: 7243

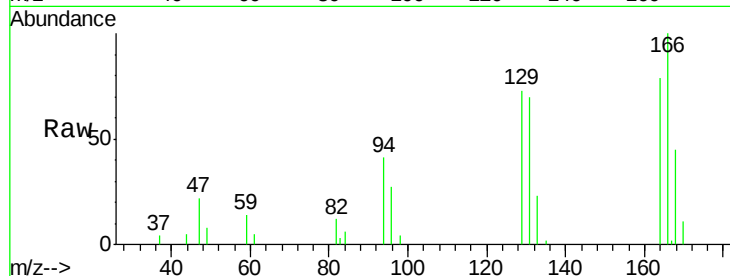
Ion Ratio Lower Upper

164 100

129 91.4 66.6 123.6

131 88.7 64.5 119.9

166 125.9 89.3 165.9

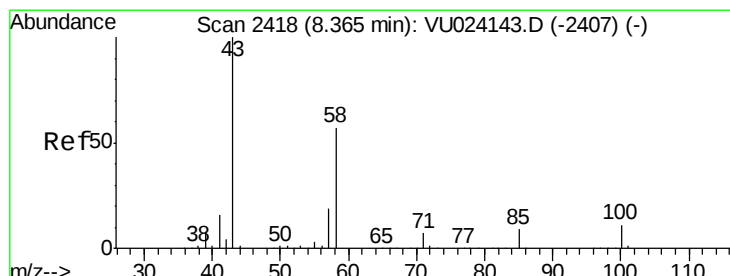
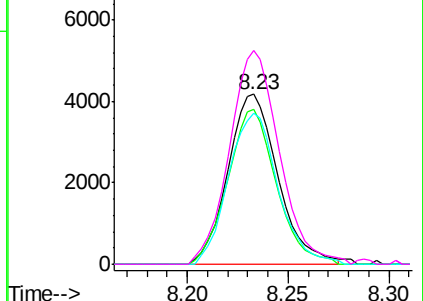
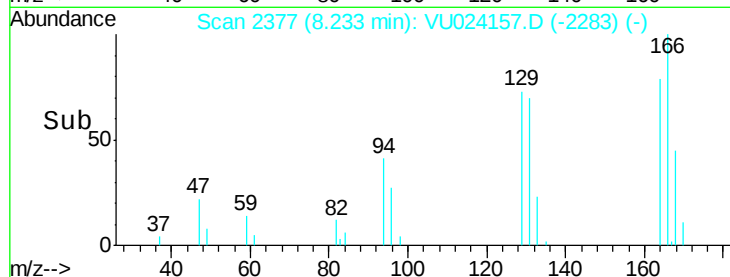


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 4.93 ug/L

RT: 8.31 min Scan# 2402

Delta R.T. -0.05 min

Lab File: VU024157.D

Acq: 26 May 2018 20:04

Tgt Ion: 43 Resp: 13030

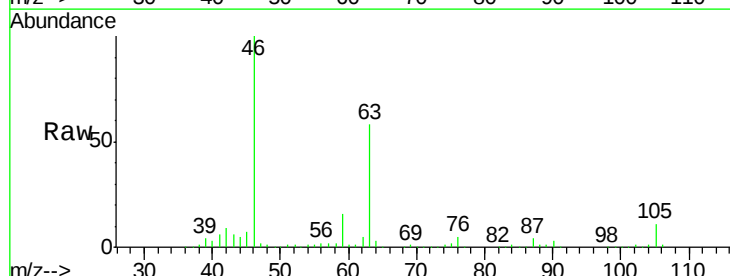
Ion Ratio Lower Upper

43 100

58 27.3 44.6 67.0#

57 34.7 15.3 22.9#

100 2.4 8.9 13.3#

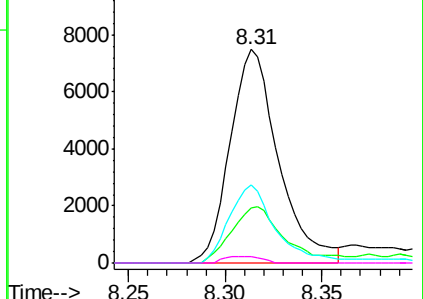
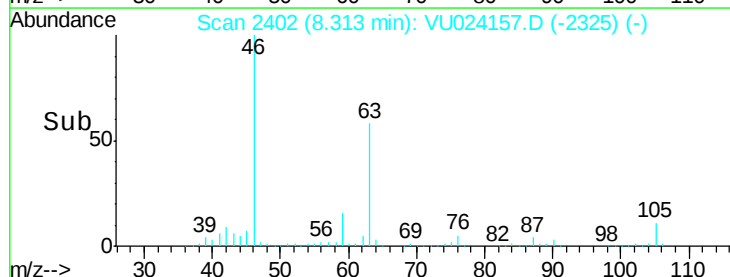


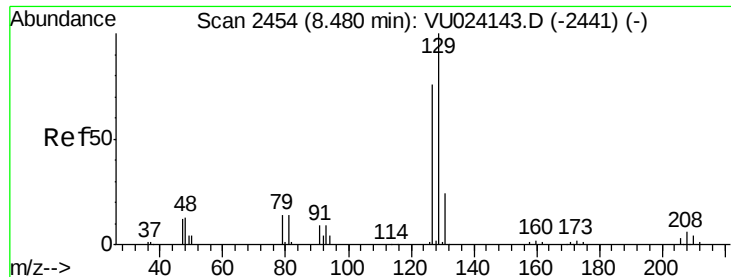
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 2.78 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. -0.25 min

Lab File: VU024157.D

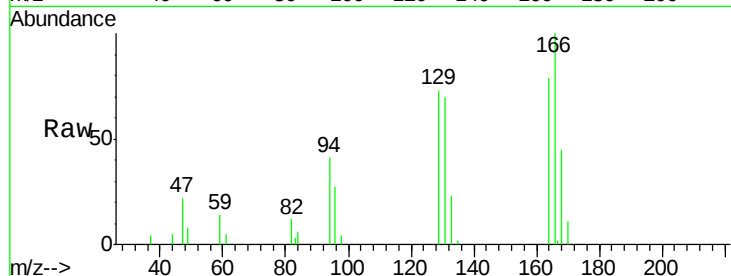
Acq: 26 May 2018 20:04

Tgt Ion: 129 Resp: 6422

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

4000

3000

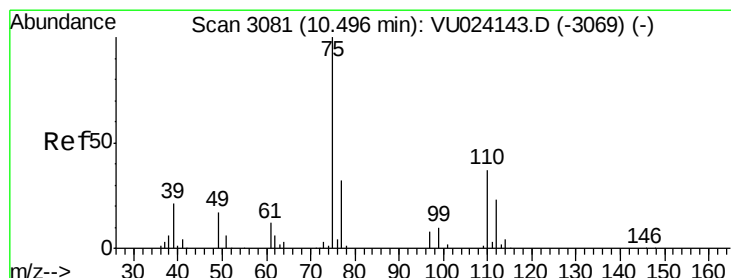
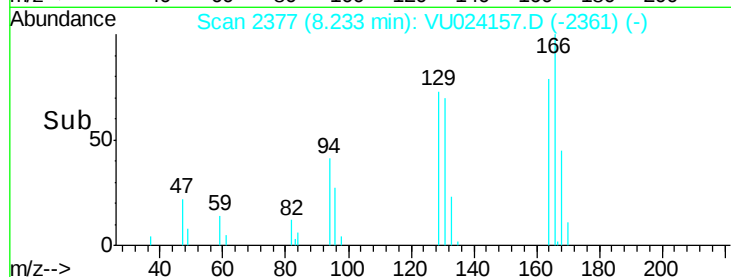
2000

1000

0

8.20 8.23 8.30

Time-->



#59

1,2,3-Trichloropropane

Concen: 3.40 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU024157.D

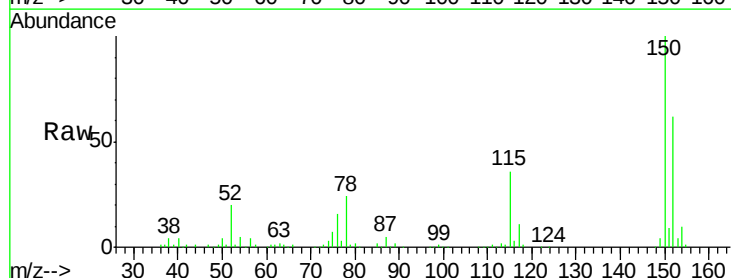
Acq: 26 May 2018 20:04

Tgt Ion: 75 Resp: 10531

Ion Ratio Lower Upper

75 100

77 37.4 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

6000

4000

2000

0

11.45 11.49 11.55

Time-->

