

Data File : VU030761.D  
Acq On : 05 Apr 2019 23:08  
Operator : JC/SP  
Sample : K2303-22  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF8C1

Quant Time: Apr 06 02:22:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 06 02:16:29 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 442014   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 435646   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 179814   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 165059   | 41.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 83.66%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 139371   | 46.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.08%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 236638   | 33.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.32%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 330298   | 105.62   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 105.62% |
| 24) Chloroform-d               | 4.64    | 84    | 282324   | 46.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.68%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 207256   | 50.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.78% |
| 32) Benzene-d6                 | 5.34    | 84    | 568665   | 44.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.42%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 208020   | 47.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.46%  |
| 41) Toluene-d8                 | 7.56    | 98    | 484494   | 42.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.96%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 87158    | 43.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.72%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 189921   | 95.34    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.34%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 288085   | 49.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 175643   | 49.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.34%  |

#### Target Compounds

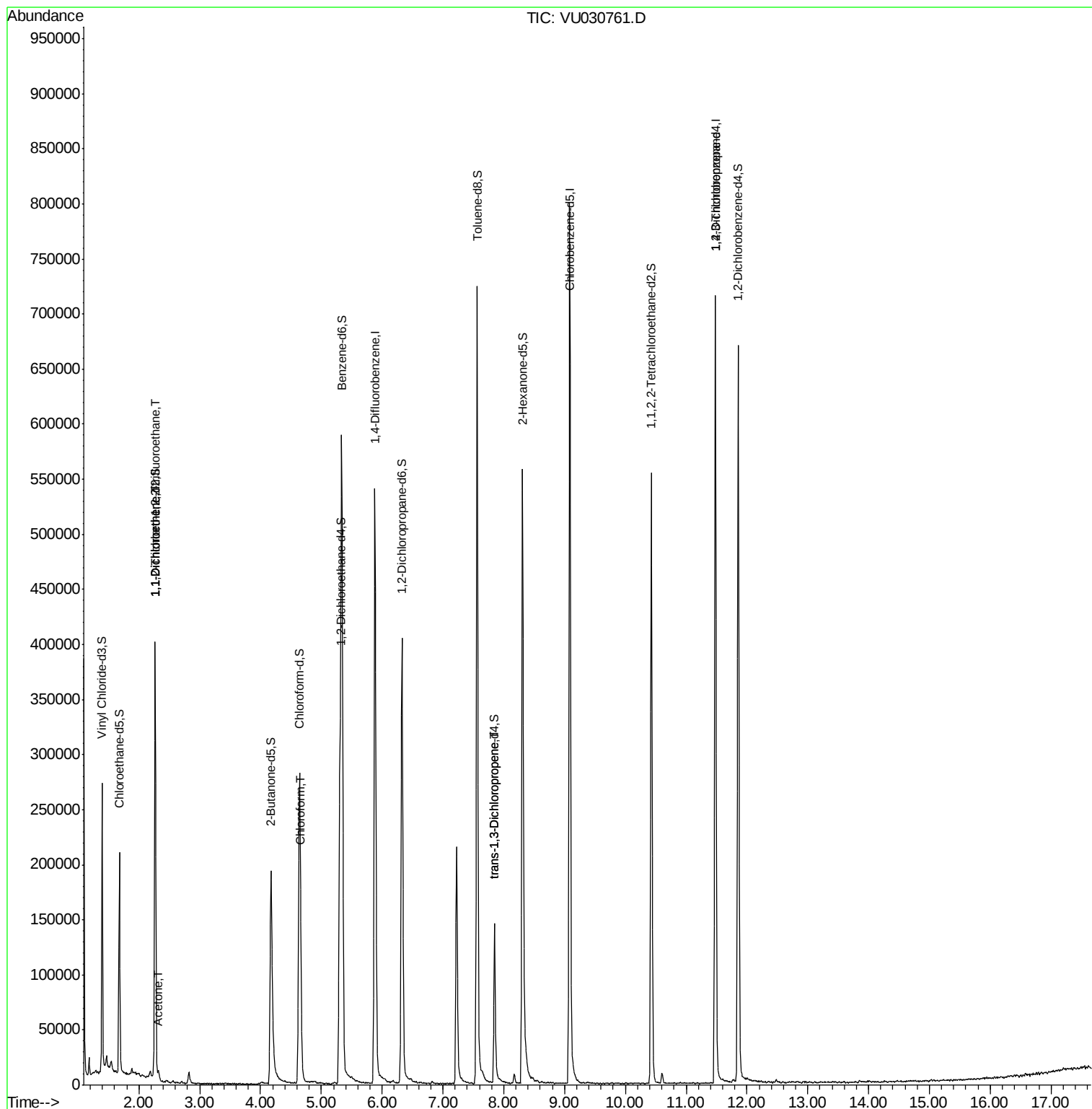
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.26  | 101 | 2016  | 0.637 ug/L # | 22     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 1687  | 0.552 ug/L # | 1      |
| 13) Acetone                    | 2.32  | 43  | 7329  | 2.290 ug/L   | 96     |
| 25) Chloroform                 | 4.67  | 83  | 18570 | 2.760 ug/L   | 96     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 3413  | 0.674 ug/L   | 98     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 23046 | 4.767 ug/L   | 93     |

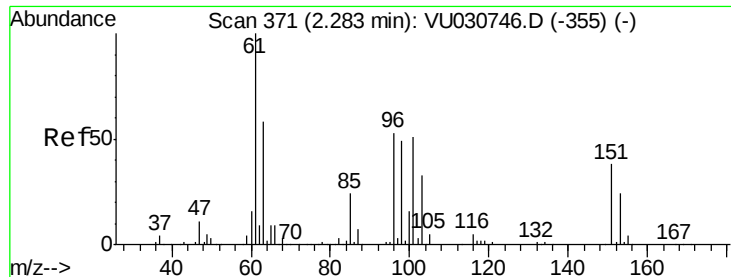
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.637 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU030761.D

Acq: 05 Apr 2019 23:08

Instrument :

MSVOA\_U

ClientSampleId :

BF8C1

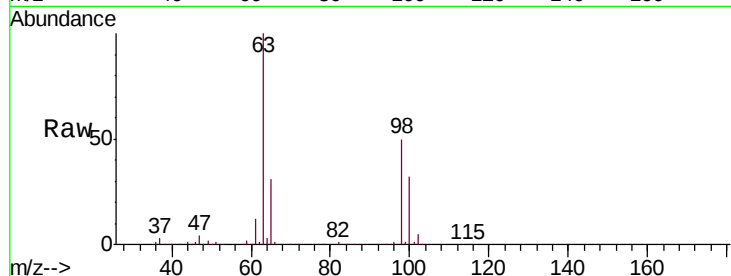
Tgt Ion: 101 Resp: 2016

Ion Ratio Lower Upper

101 100

85 3.8 36.8 55.2#

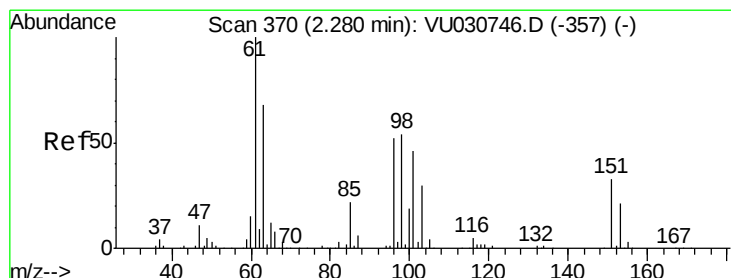
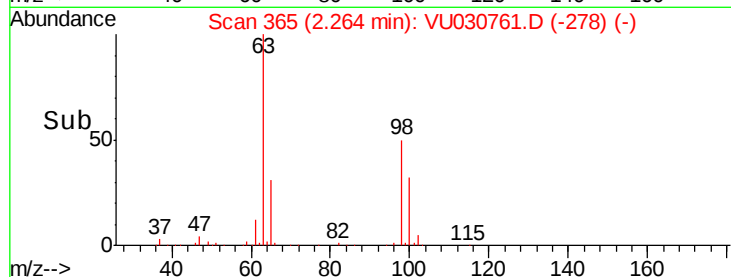
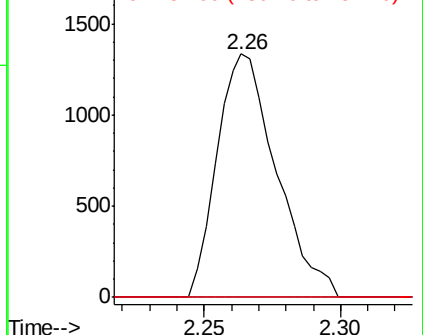
151 0.0 57.4 86.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.552 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU030761.D

Acq: 05 Apr 2019 23:08

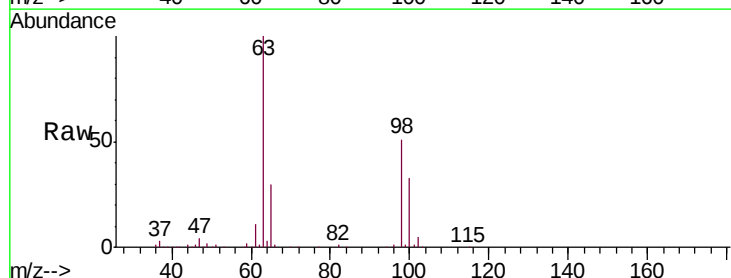
Tgt Ion: 96 Resp: 1687

Ion Ratio Lower Upper

96 100

61 1600.0 132.0 245.2#

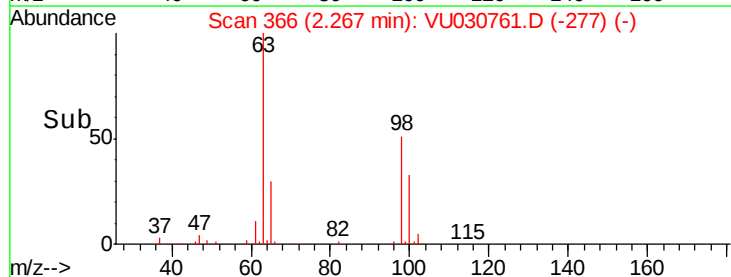
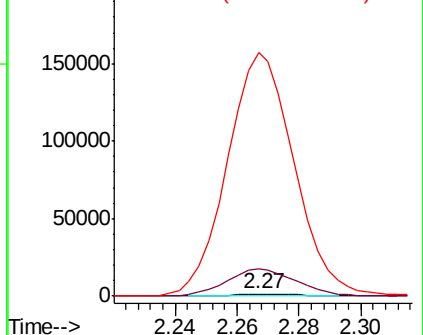
63 14016.1 90.9 168.9#

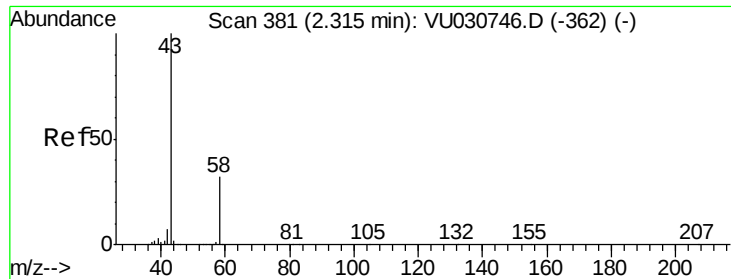


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.290 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU030761.D

Acq: 05 Apr 2019 23:08

Instrument :

MSVOA\_U

ClientSampled :

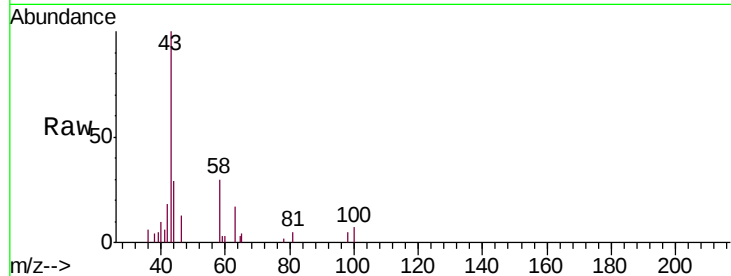
BF8C1

Tgt Ion: 43 Resp: 7329

Ion Ratio Lower Upper

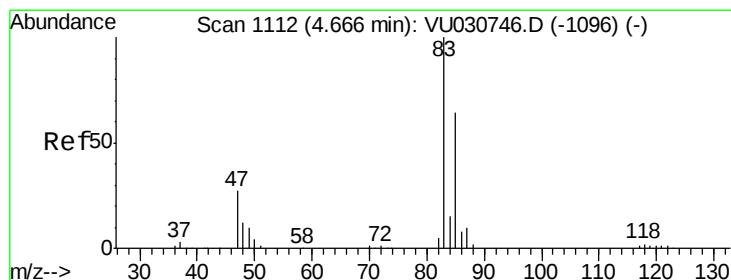
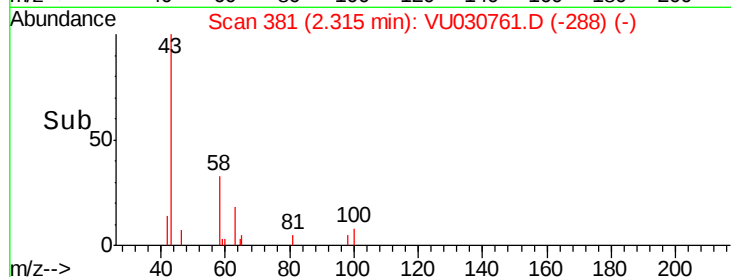
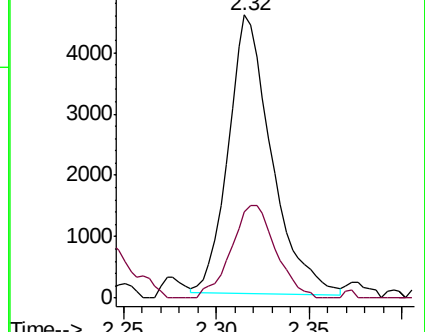
43 100

58 34.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030746.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030746.D (-362) (-)



#25

Chloroform

Concen: 2.760 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU030761.D

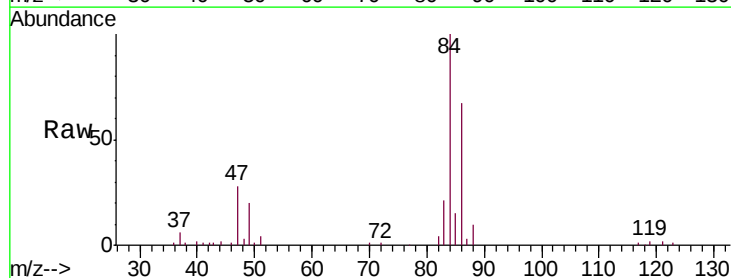
Acq: 05 Apr 2019 23:08

Tgt Ion: 83 Resp: 18570

Ion Ratio Lower Upper

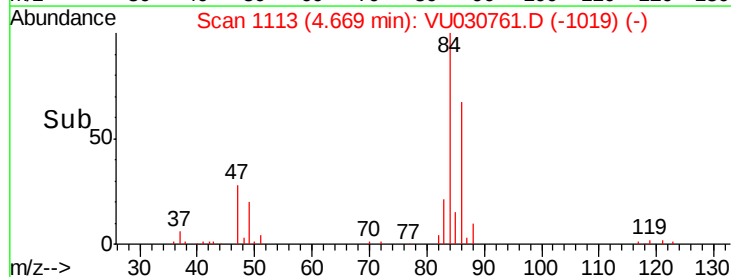
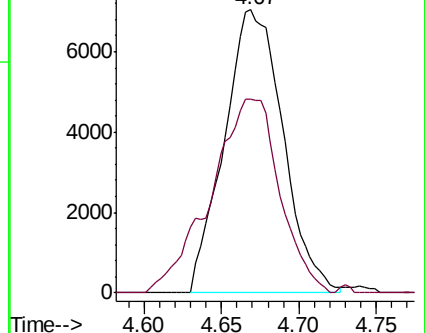
83 100

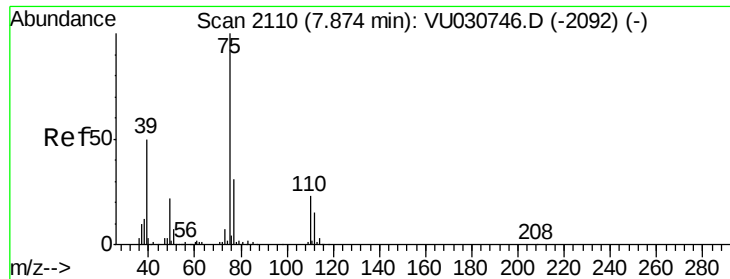
85 68.5 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU030746.D (-1096) (-)

Ion 85.00 (84.70 to 85.70): VU030746.D (-1096) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.674 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030761.D

Acq: 05 Apr 2019 23:08

Instrument :

MSVOA\_U

ClientSampleId :

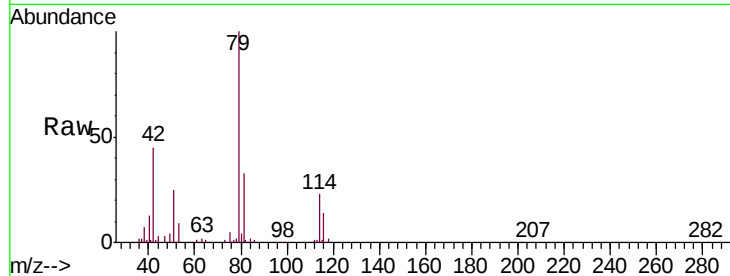
BF8C1

Tgt Ion: 75 Resp: 3413

Ion Ratio Lower Upper

75 100

77 29.5 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU030746.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU030746.D (-2092) (-)

7.85

2500

2000

1500

1000

500

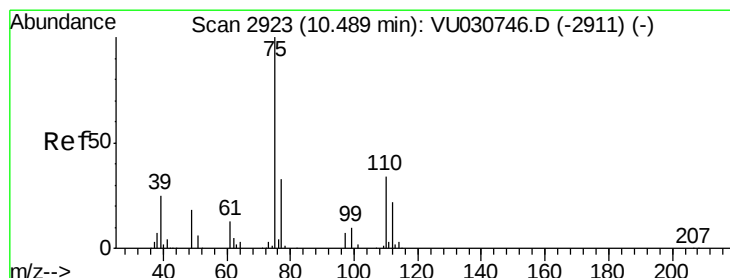
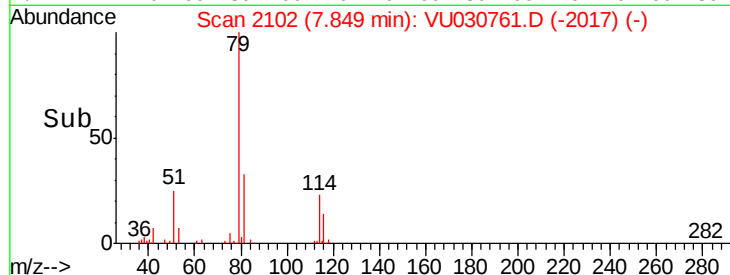
0

7.80

7.85

7.90

Time-->



#59

1,2,3-Trichloropropane

Concen: 4.767 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030761.D

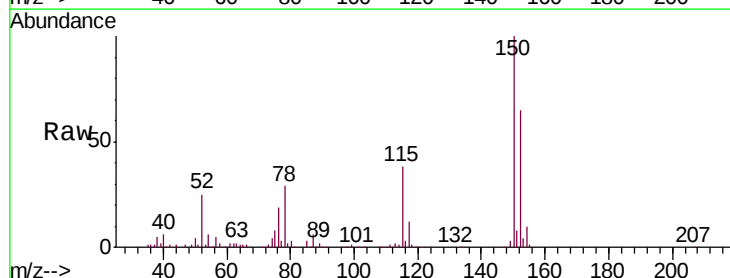
Acq: 05 Apr 2019 23:08

Tgt Ion: 75 Resp: 23046

Ion Ratio Lower Upper

75 100

77 36.4 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU030746.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU030746.D (-2911) (-)

11.48

15000

10000

5000

0

11.45

11.50

11.55

Time-->

