

Data Path : W:\HPCHEM1\MSVOA\_U\DATA\VU051118\  
 Data File : VU023794.D  
 Acq On : 11 May 2018 12:21  
 Operator : MD/SY  
 Sample : J2777-11  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 12 02:07:54 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_U\METHOD\SOMUTR051018WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat May 12 02:07:11 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 138513   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 141403   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 61293    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 56496    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 102.40% |
| 7) Chloroethane-d5             | 1.68   | 69    | 44388    | 5.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 109.00% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 71914    | 3.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 74.20%  |
| 20) 2-Butanone-d5              | 4.22   | 46    | 131477   | 51.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.18% |
| 24) Chloroform-d               | 4.65   | 84    | 83147    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.32   | 65    | 47542    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.60%  |
| 32) Benzene-d6                 | 5.35   | 84    | 182985   | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.34   | 67    | 60965    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.80%  |
| 41) Toluene-d8                 | 7.57   | 98    | 152507   | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.20%  |
| 43) trans-1,3-Dichloropropene- | 7.86   | 79    | 18625    | 4.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.40%  |
| 46) 2-Hexanone-d5              | 8.32   | 63    | 94480    | 49.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 98.58%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44  | 84    | 43871    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.87  | 152   | 59945    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.20% |

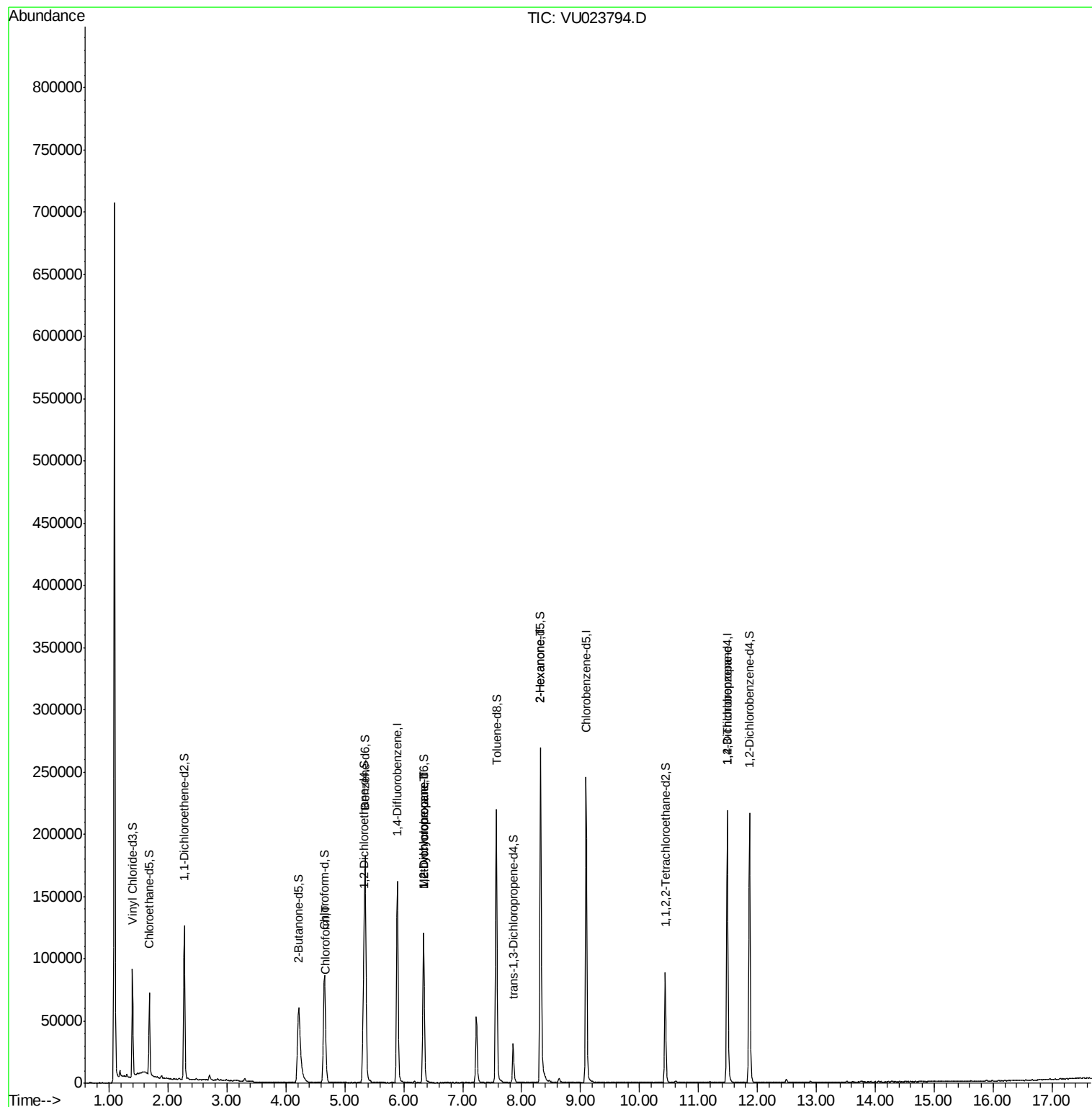
## Target Compounds

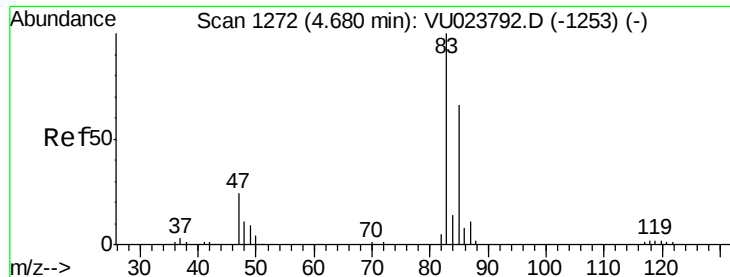
|                            |       |    |       |             | Qvalue |
|----------------------------|-------|----|-------|-------------|--------|
| 25) Chloroform             | 4.68  | 83 | 9208  | 0.45 ug/L   | 96     |
| 35) Methylcyclohexane      | 6.34  | 83 | 13679 | 0.81 ug/L # | 15     |
| 37) 1,2-Dichloropropane    | 6.34  | 63 | 6015  | 0.49 ug/L # | 89     |
| 48) 2-Hexanone             | 8.32  | 43 | 12090 | 2.53 ug/L # | 66     |
| 59) 1,2,3-Trichloropropane | 11.49 | 75 | 7105  | 1.04 ug/L   | 91     |

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

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#25

Chloroform

Concen: 0.45 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU023794.D

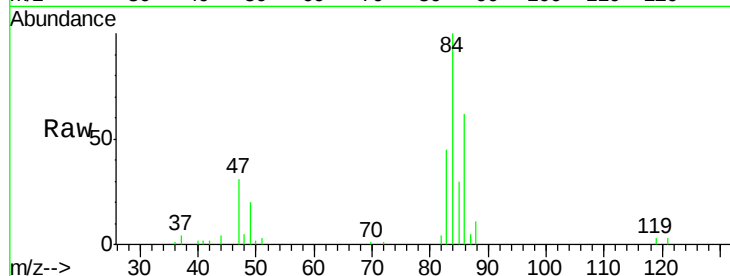
Acq: 11 May 2018 12:21

Tgt Ion: 83 Resp: 9208

Ion Ratio Lower Upper

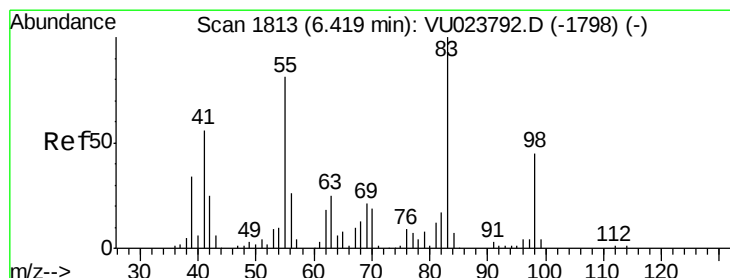
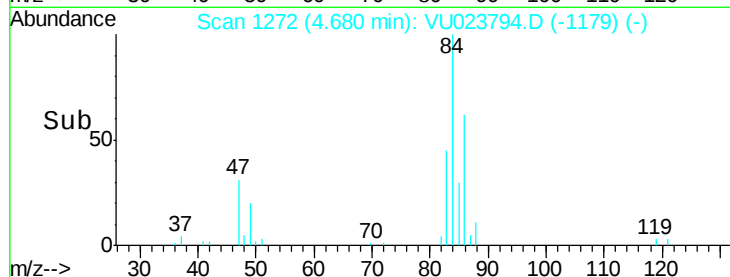
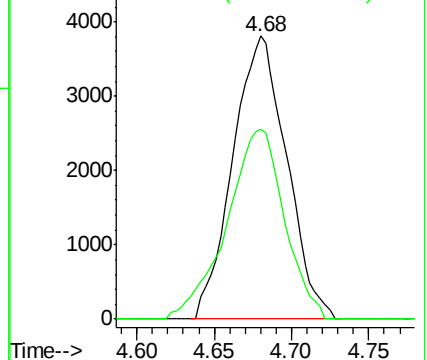
83 100

85 67.2 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#35

Methylcyclohexane

Concen: 0.81 ug/L

RT: 6.34 min Scan# 1788

Delta R.T. -0.08 min

Lab File: VU023794.D

Acq: 11 May 2018 12:21

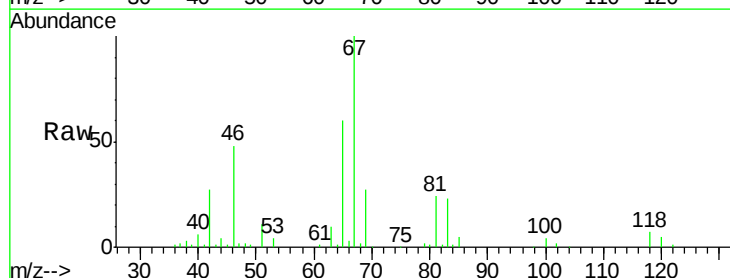
Tgt Ion: 83 Resp: 13679

Ion Ratio Lower Upper

83 100

55 0.0 69.1 103.7#

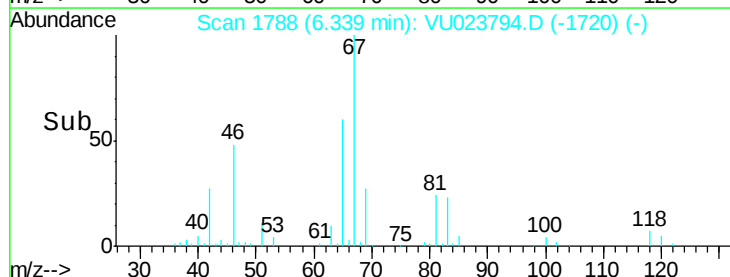
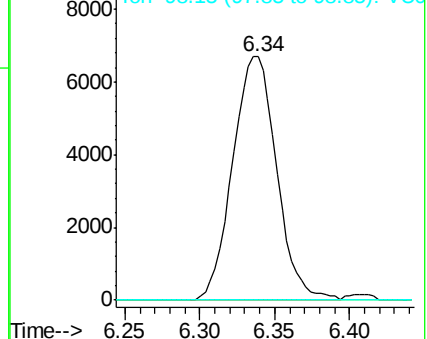
98 0.8 37.8 56.8#

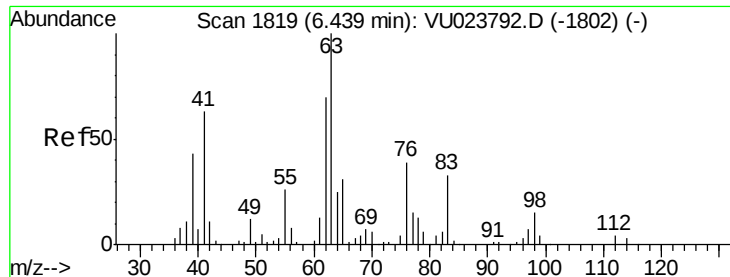


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

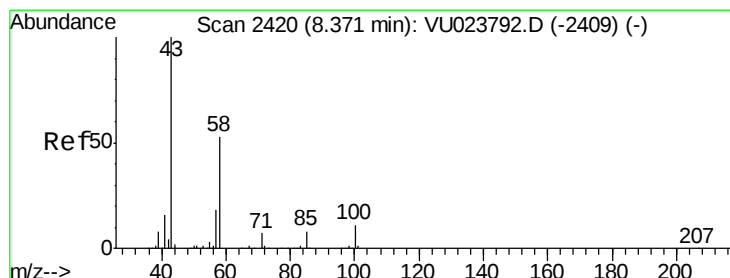
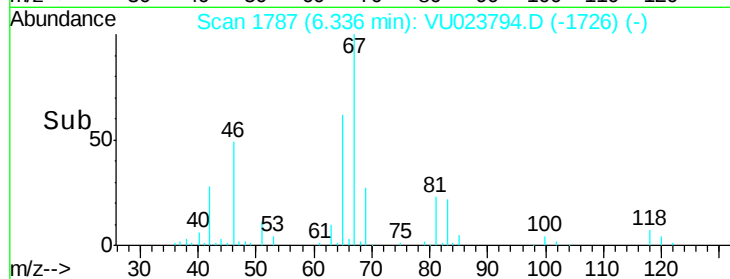
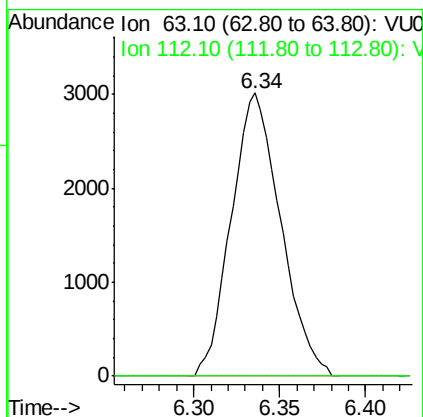
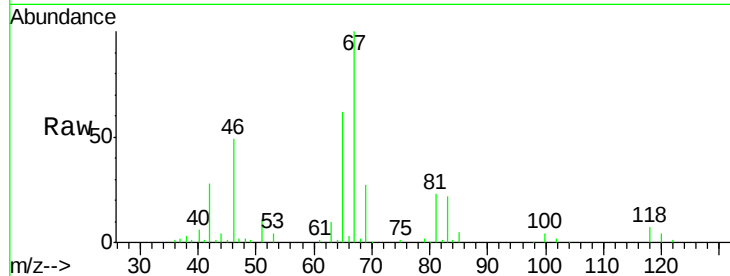
Ion 98.15 (97.85 to 98.85): VU0





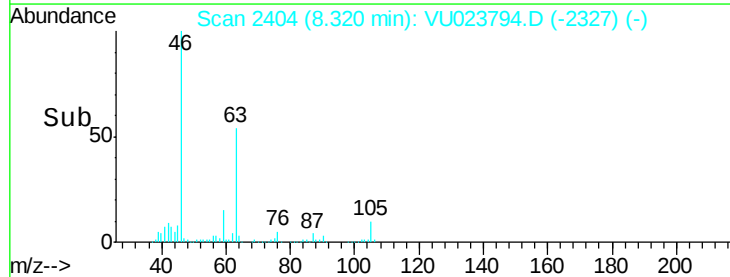
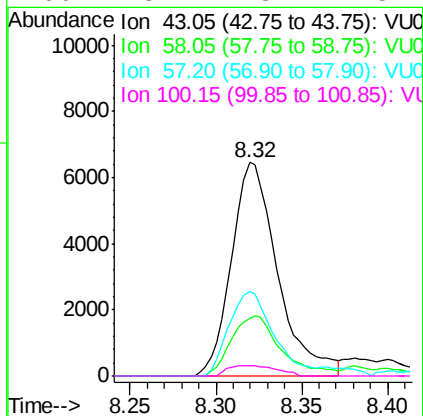
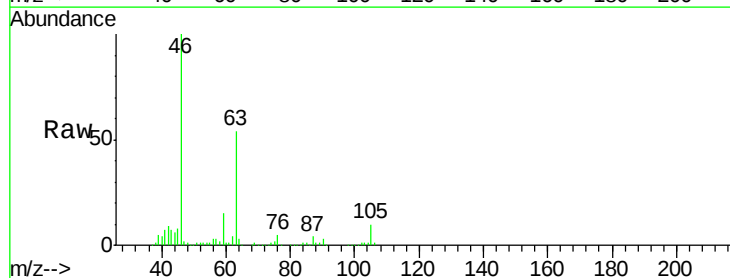
#37  
 1,2-Dichloropropane  
 Concen: 0.49 ug/L  
 RT: 6.34 min Scan# 1787  
 Delta R.T. -0.10 min  
 Lab File: VU023794.D  
 Acq: 11 May 2018 12:21

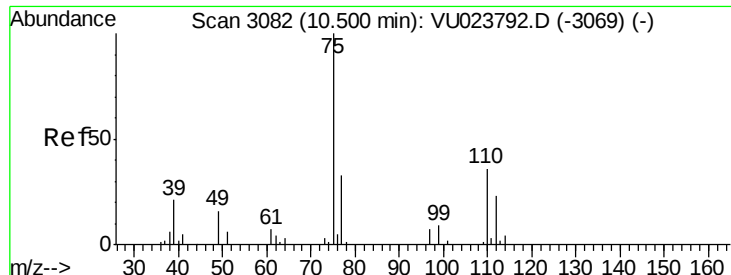
Tgt Ion: 63 Resp: 6015  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.0 4.4#



#48  
 2-Hexanone  
 Concen: 2.53 ug/L  
 RT: 8.32 min Scan# 2404  
 Delta R.T. -0.05 min  
 Lab File: VU023794.D  
 Acq: 11 May 2018 12:21

Tgt Ion: 43 Resp: 12090  
 Ion Ratio Lower Upper  
 43 100  
 58 30.0 42.3 63.5#  
 57 41.2 14.7 22.1#  
 100 5.2 8.7 13.1#





#59

1,2,3-Trichloropropane

Concen: 1.04 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU023794.D

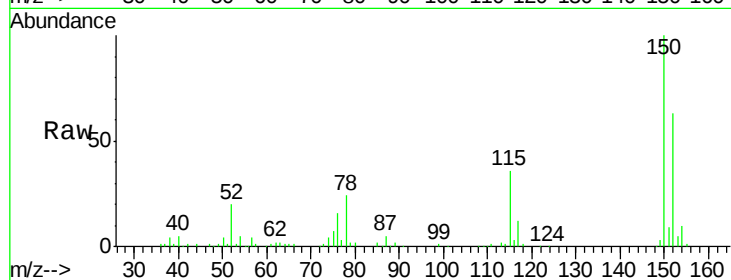
Acq: 11 May 2018 12:21

Tgt Ion: 75 Resp: 7105

Ion Ratio Lower Upper

75 100

77 37.7 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

