

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082518\  
 Data File : VU026370.D  
 Acq On : 25 Aug 2018 14:53  
 Operator : MD/SY  
 Sample : J4644-15  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETOM5

Quant Time: Aug 27 01:32:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082218WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 25 04:25:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 320847   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 320831   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 150906   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 100246   | 51.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 102.46% |
| 7) Chloroethane-d5             | 1.68    | 69    | 81008    | 50.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 101.52% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 146105   | 37.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.96%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 148779   | 95.26    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.26%  |
| 24) Chloroform-d               | 4.65    | 84    | 207033   | 47.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.92%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 135941   | 47.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.78%  |
| 32) Benzene-d6                 | 5.35    | 84    | 405114   | 47.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 132191   | 47.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.94%  |
| 41) Toluene-d8                 | 7.57    | 98    | 366992   | 44.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.46%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 62969    | 44.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.44%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 108768   | 92.35    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 92.35%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 180930   | 44.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.72%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 160521   | 50.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.26% |

## Target Compounds

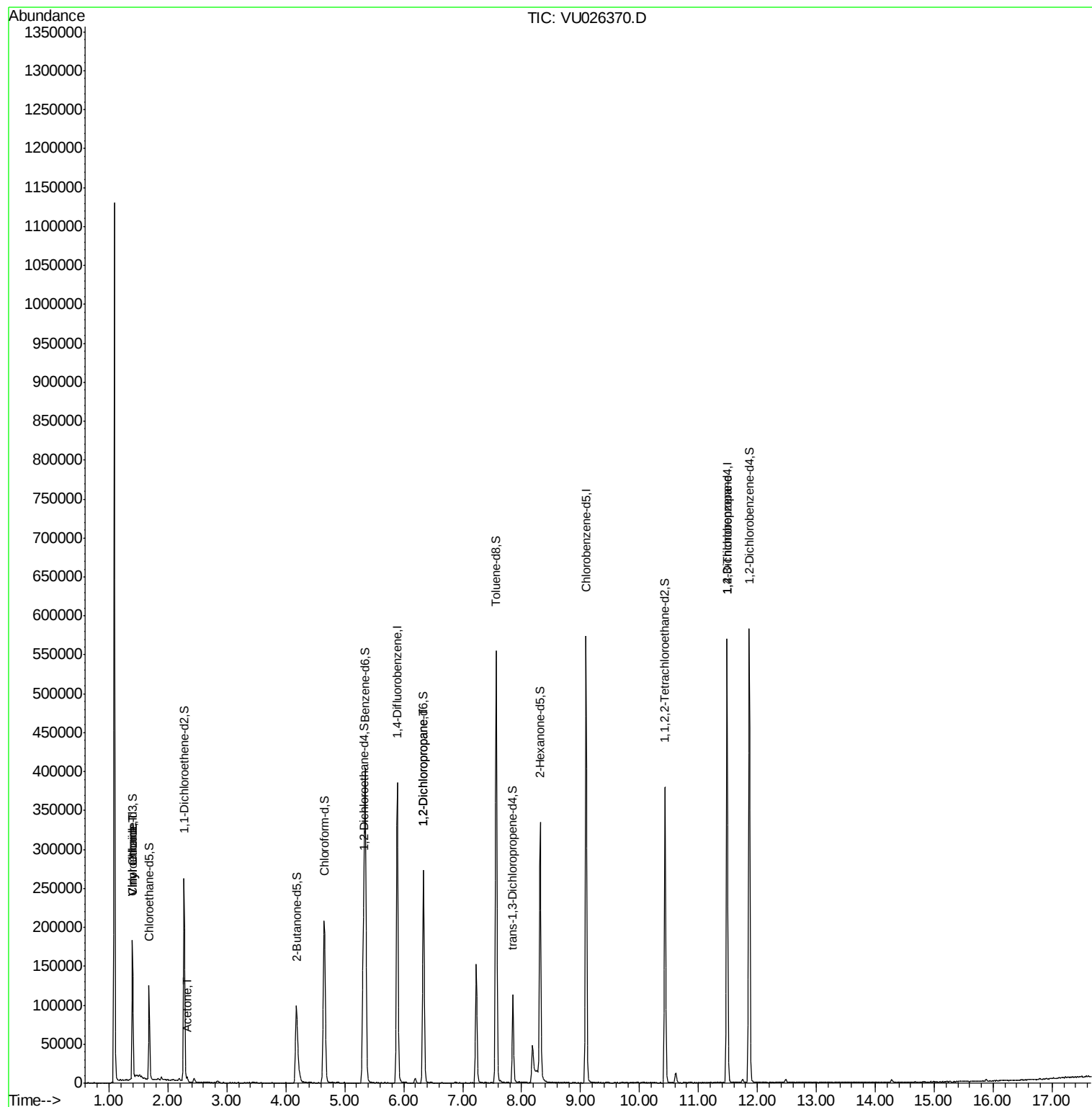
|                            |       |    |       |           | Ovalue |
|----------------------------|-------|----|-------|-----------|--------|
| 5) Vinyl chloride          | 1.40  | 62 | 14383 | 6.15 ug/L | # 62   |
| 8) Chloroethane            | 1.40  | 64 | 13050 | 9.72 ug/L | 87     |
| 13) Acetone                | 2.32  | 43 | 3081  | 2.55 ug/L | 97     |
| 37) 1,2-Dichloropropane    | 6.33  | 63 | 15096 | 6.32 ug/L | # 88   |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 16459 | 5.52 ug/L | 90     |

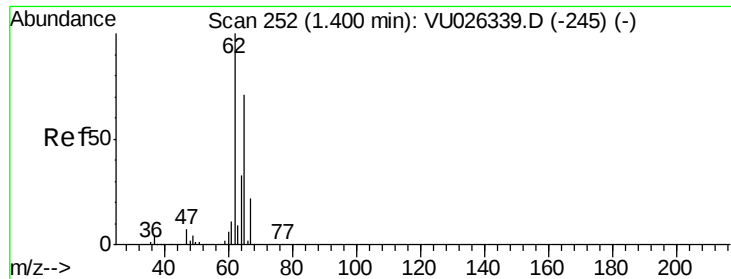
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.15 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026370.D

Acq: 25 Aug 2018 14:53

Instrument :

MSVOA\_U

ClientSampleId :

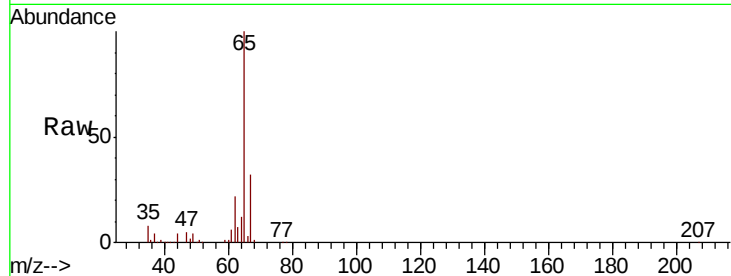
ETOM5

Tot Ion: 62 Resp: 14383

Ion Ratio Lower Upper

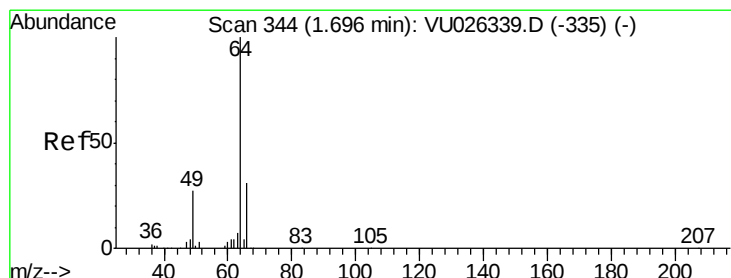
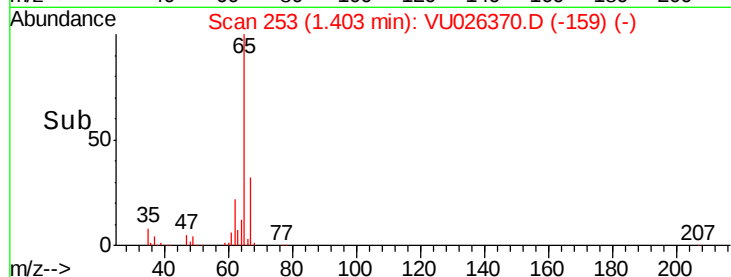
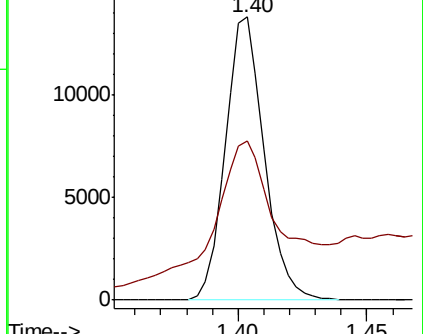
62 100

64 56.3 24.2 45.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 9.72 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.29 min

Lab File: VU026370.D

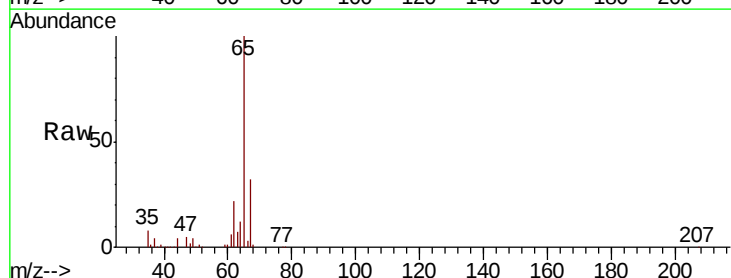
Acq: 25 Aug 2018 14:53

Tgt Ion: 64 Resp: 13050

Ion Ratio Lower Upper

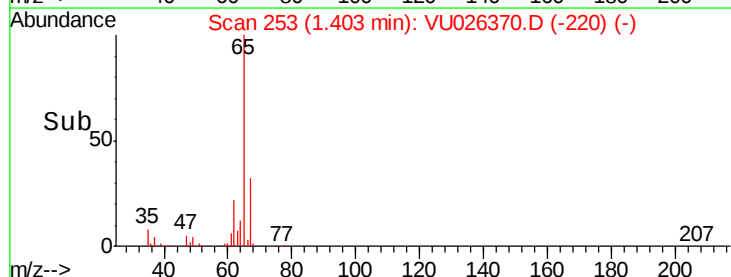
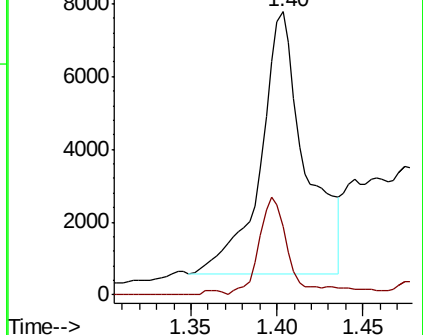
64 100

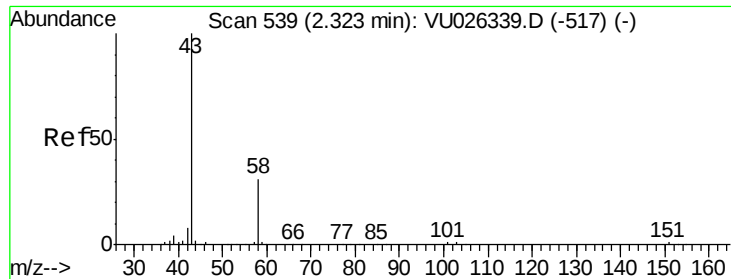
66 24.2 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#13

Acetone

Concen: 2.55 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU026370.D

Acq: 25 Aug 2018 14:53

Instrument :

MSVOA\_U

ClientSampleId :

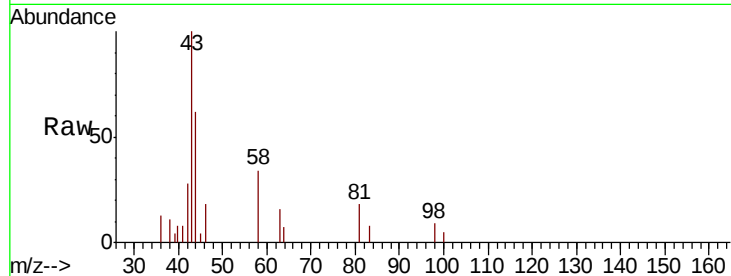
ETOM5

Tot Ion: 43 Resp: 3081

Ion Ratio Lower Upper

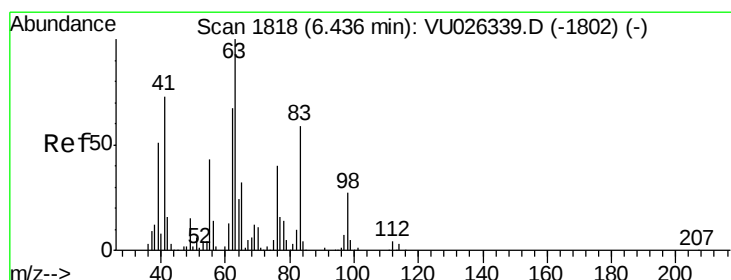
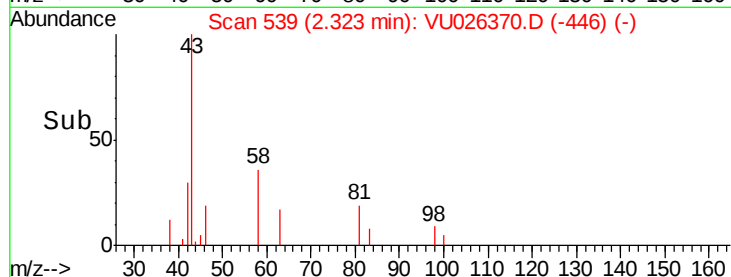
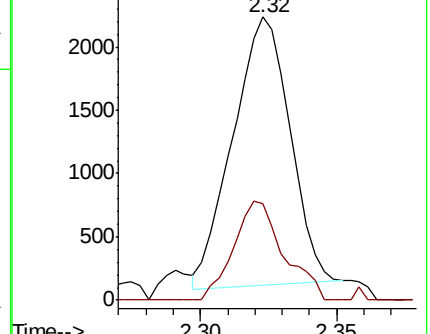
43 100

58 32.3 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#37

1,2-Dichloropropane

Concen: 6.32 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU026370.D

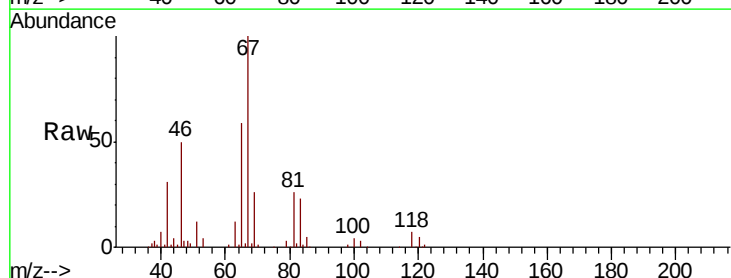
Acq: 25 Aug 2018 14:53

Tgt Ion: 63 Resp: 15096

Ion Ratio Lower Upper

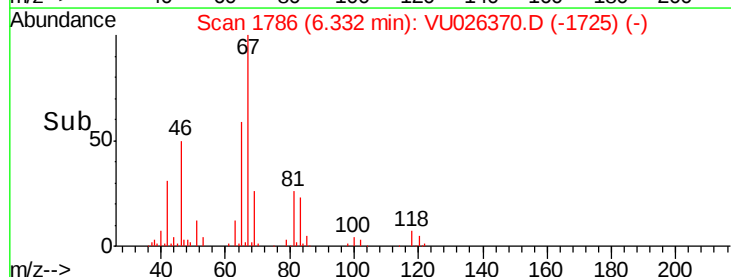
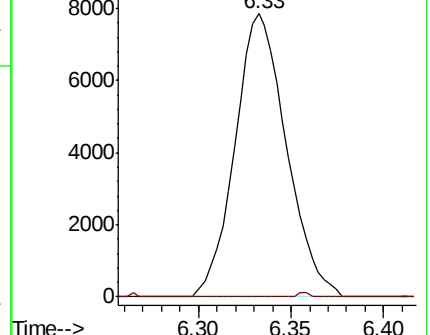
63 100

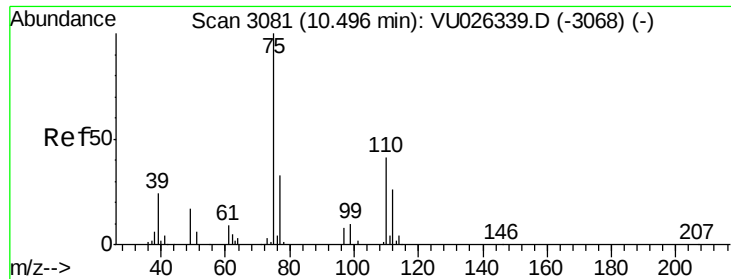
112 0.3 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#59

1,2,3-Trichloropropane

Concen: 5.52 ug/L

RT: 11.48 min Scan# 3388

Delta R.T. 0.99 min

Lab File: VU026370.D

Acq: 25 Aug 2018 14:53

Instrument :

MSVOA\_U

ClientSampleId :

ETOM5

Tot Ion: 75 Resp: 16459

Ion Ratio Lower Upper

75 100

77 37.5 25.5 38.3

