

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU071318\  
 Data File : VU025399.D  
 Acq On : 13 Jul 2018 18:18  
 Operator : MD/SY  
 Sample : J3984-06  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB179

Quant Time: Jul 14 04:30:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM062918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 13 14:43:42 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 320654   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 294270   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 135828   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 75773    | 39.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 79.06%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 67085    | 42.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 84.86%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 126368   | 30.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 60.44%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 156916   | 97.94    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.94%  |
| 24) Chloroform-d               | 4.65    | 84    | 179375   | 43.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.38%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 126298   | 43.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.76%  |
| 32) Benzene-d6                 | 5.35    | 84    | 352021   | 43.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 111727   | 43.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.90%  |
| 41) Toluene-d8                 | 7.57    | 98    | 328695   | 41.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.22%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 50208    | 38.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.88%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 118226   | 100.73   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 100.73% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 164029   | 45.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.02%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 133050   | 44.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.92%  |

## Target Compounds

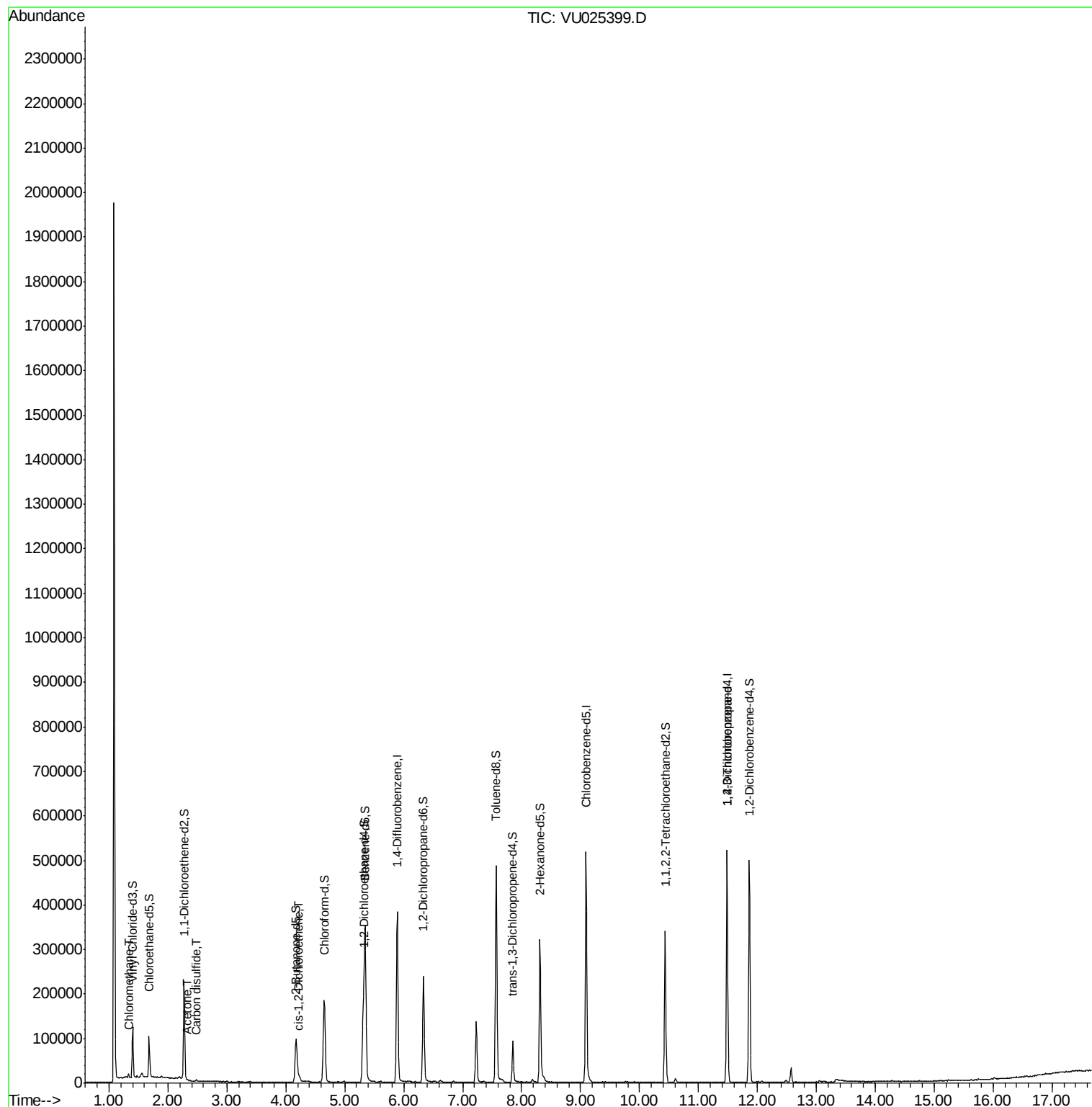
|                            |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 3) Chloromethane           | 1.33  | 50 | 7087  | 2.949 ug/L   | 95     |
| 13) Acetone                | 2.32  | 43 | 2696  | 1.637 ug/L   | 95     |
| 14) Carbon disulfide       | 2.48  | 76 | 7875  | 1.326 ug/L # | 93     |
| 20) cis-1,2-Dichloroethene | 4.23  | 96 | 5211  | 2.119 ug/L   | 95     |
| 59) 1,2,3-Trichloropropane | 11.49 | 75 | 15210 | 4.923 ug/L # | 86     |

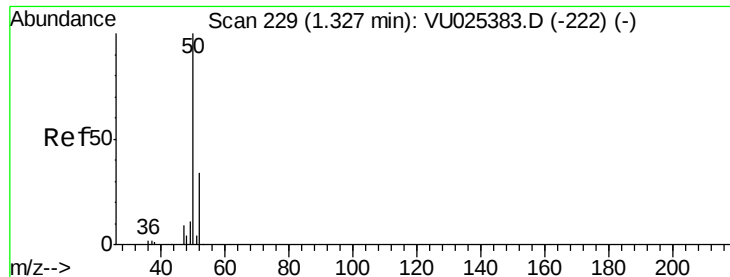
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 2.949 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025399.D

Acq: 13 Jul 2018 18:18

Instrument :

MSVOA\_U

ClientSampleId :

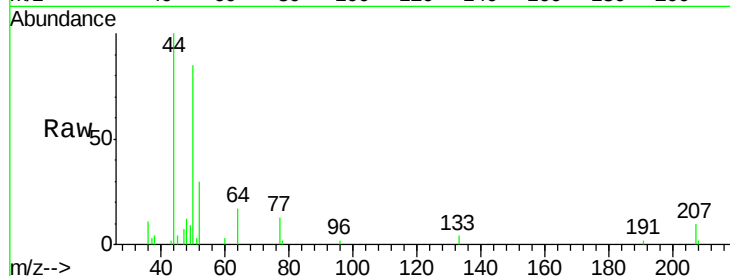
DB179

Tgt Ion: 50 Resp: 7087

Ion Ratio Lower Upper

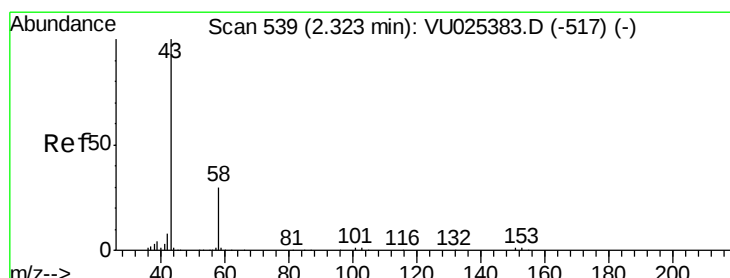
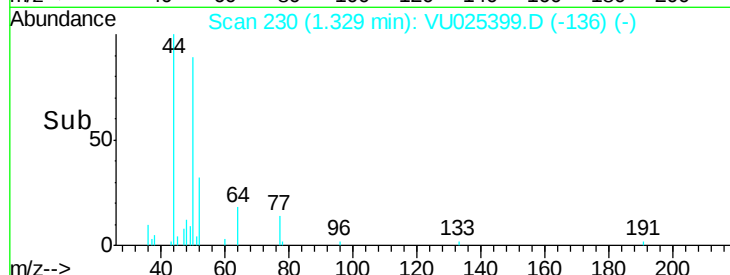
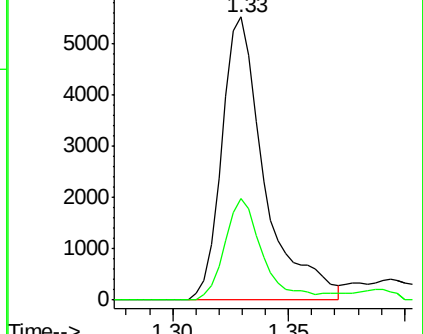
50 100

52 36.0 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#13

Acetone

Concen: 1.637 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025399.D

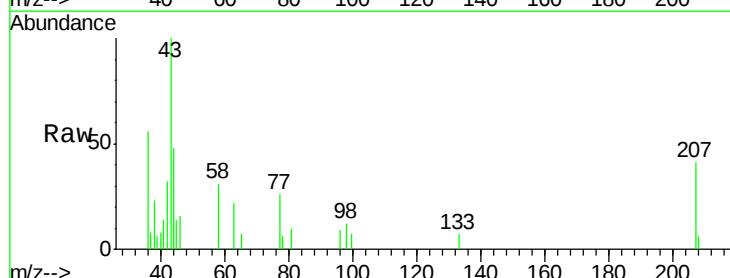
Acq: 13 Jul 2018 18:18

Tgt Ion: 43 Resp: 2696

Ion Ratio Lower Upper

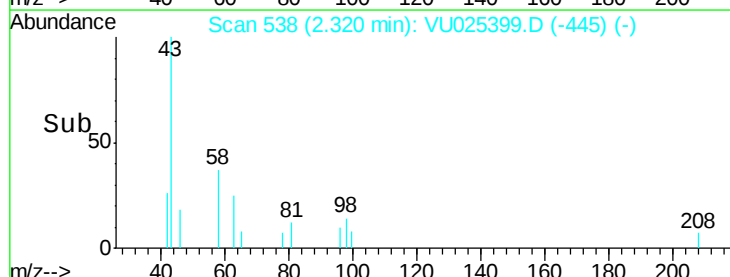
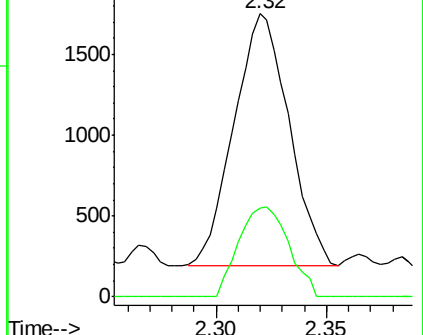
43 100

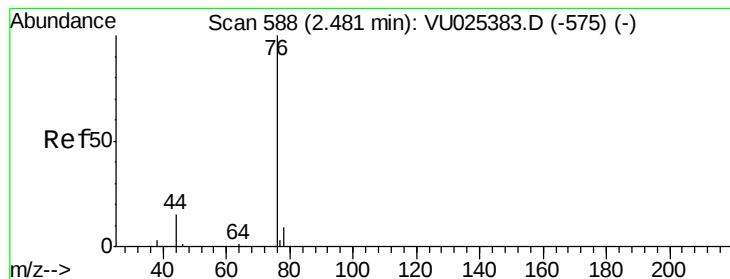
58 32.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon disulfide

Concen: 1.326 ug/L

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025399.D

Acq: 13 Jul 2018 18:18

Instrument :

MSVOA\_U

ClientSampled :

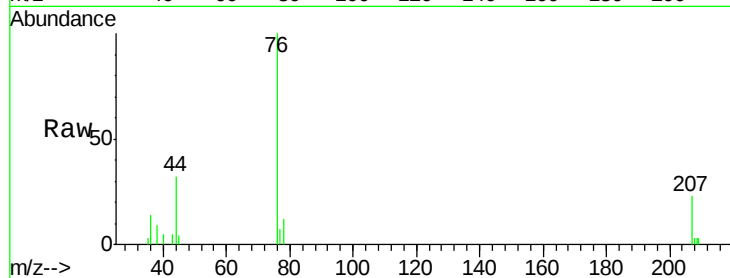
DB179

Tgt Ion: 76 Resp: 7875

Ion Ratio Lower Upper

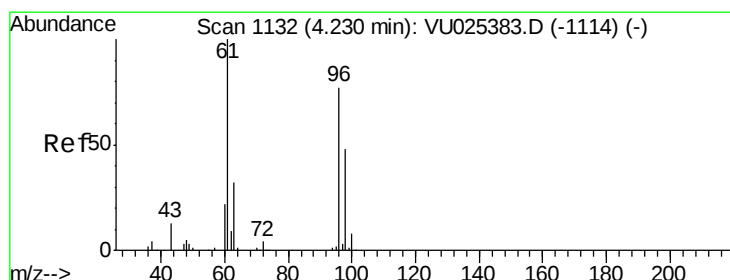
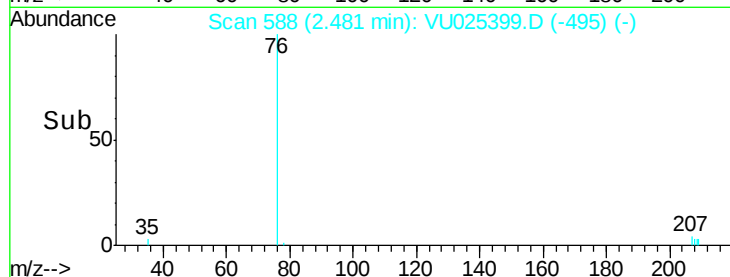
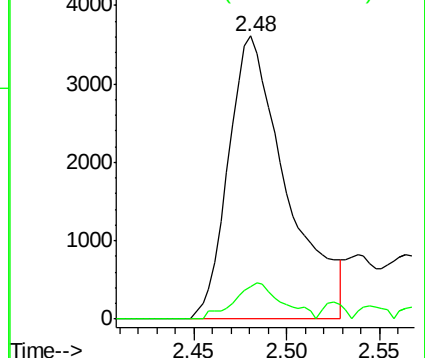
76 100

78 11.7 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 2.119 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025399.D

Acq: 13 Jul 2018 18:18

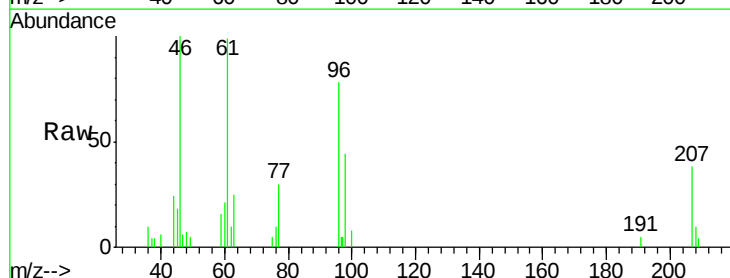
Tgt Ion: 96 Resp: 5211

Ion Ratio Lower Upper

96 100

61 127.4 93.4 173.6

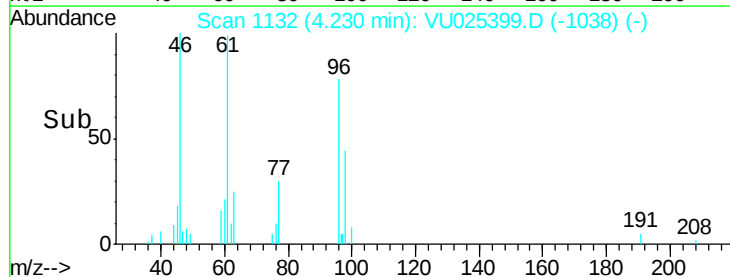
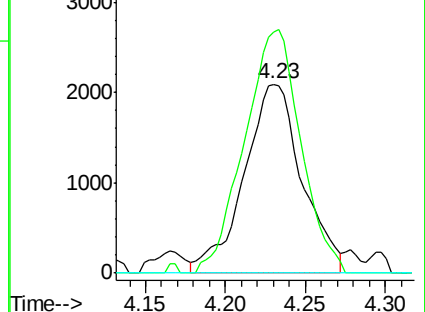
68 0.0 0.0 0.0

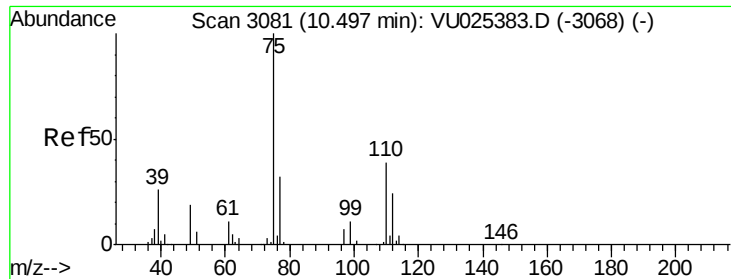


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#59

1,2,3-Trichloropropane

Concen: 4.923 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU025399.D

Acq: 13 Jul 2018 18:18

Instrument :

MSVOA\_U

ClientSampleId :

DB179

Tgt Ion: 75 Resp: 15210

Ion Ratio Lower Upper

75 100

77 40.7 26.2 39.4#

