

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050619\  
 Data File : VU031766.D  
 Acq On : 06 May 2019 09:43  
 Operator : JC/SP  
 Sample : VU0506WBL01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 07 08:48:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue May 07 08:38:32 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 675357   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 660549   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 256840   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 274123   | 48.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 97.00%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 217313   | 49.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 99.50%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 404645   | 35.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.90%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 637217   | 124.43   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 124.43% |
| 24) Chloroform-d               | 4.64    | 84    | 522182   | 50.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.88% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 371700   | 54.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 109.92% |
| 32) Benzene-d6                 | 5.34    | 84    | 992855   | 48.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.90%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 372590   | 52.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 104.42% |
| 41) Toluene-d8                 | 7.56    | 98    | 804009   | 45.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.02%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 150229   | 49.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 98.08%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 377884   | 122.34   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 122.34% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 514993   | 53.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 107.54% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 279409   | 51.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.46% |

## Target Compounds

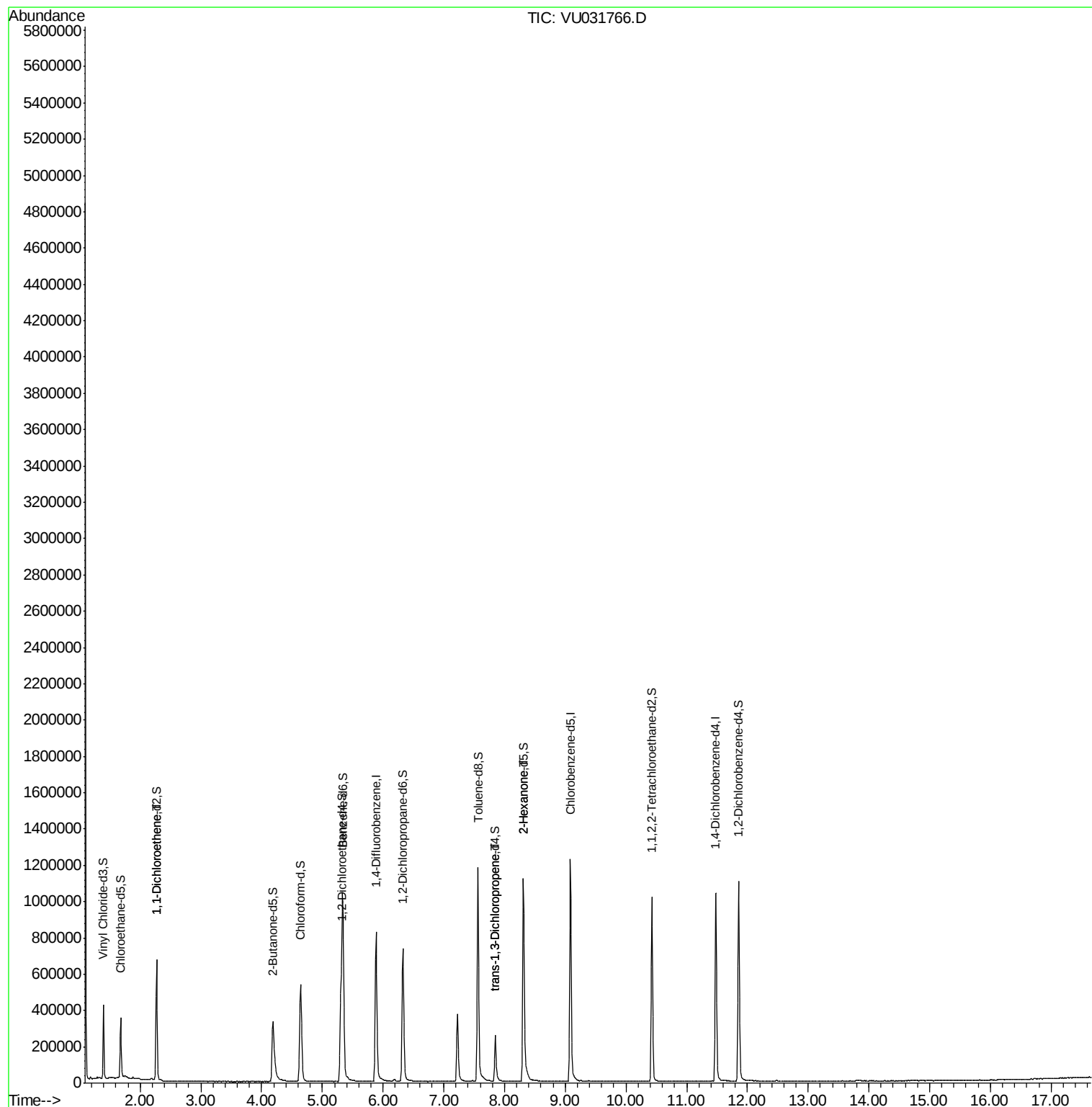
|                               |      |    |       |              | Ovalue |
|-------------------------------|------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene        | 2.27 | 96 | 3152  | 0.598 ug/L # | 1      |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 6611  | 0.800 ug/L # | 80     |
| 48) 2-Hexanone                | 8.31 | 43 | 49847 | 5.810 ug/L # | 74     |

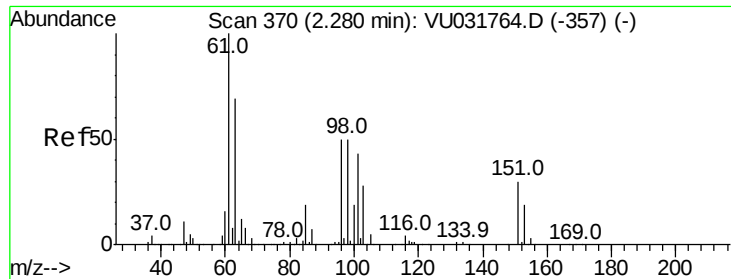
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VU0506WBL01  
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Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: May 07 08:48:35 2019  
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Quant Title : VOC Analysis  
QLast Update : Tue May 07 08:38:32 2019  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.598 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031766.D

Acq: 06 May 2019 09:43

Instrument :  
MSVOA\_U  
ClientSampled :

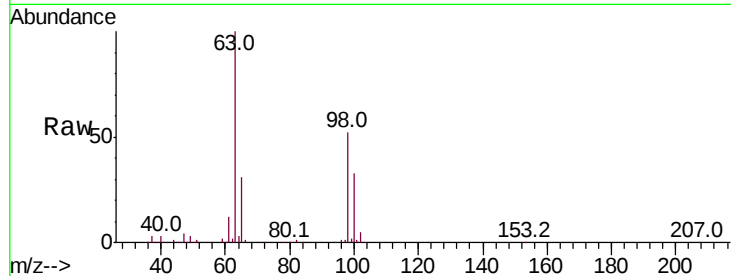
Tot Ion: 96 Resp: 3152

Ion Ratio Lower Upper

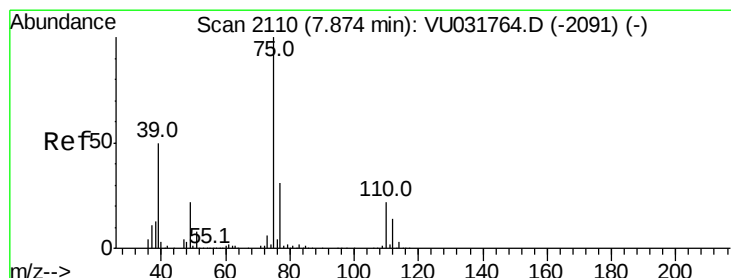
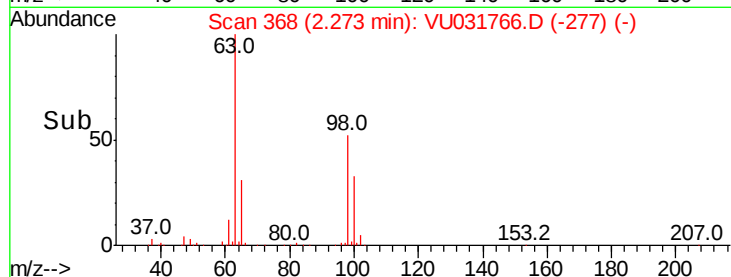
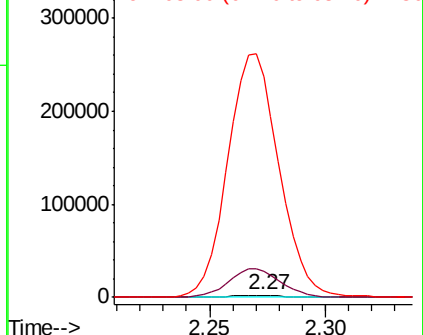
96 100

61 1482.8 135.0 250.6#

63 12552.9 103.5 192.3#



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



#44

trans-1,3-Dichloropropene

Concen: 0.800 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031766.D

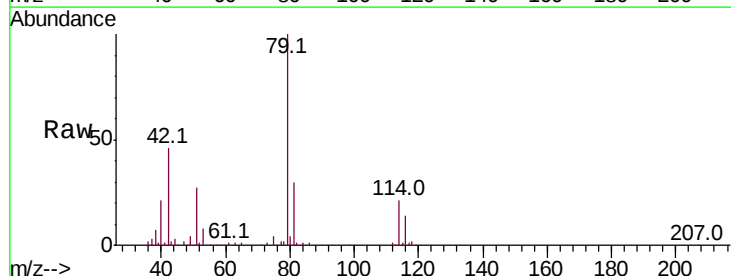
Acq: 06 May 2019 09:43

Tgt Ion: 75 Resp: 6611

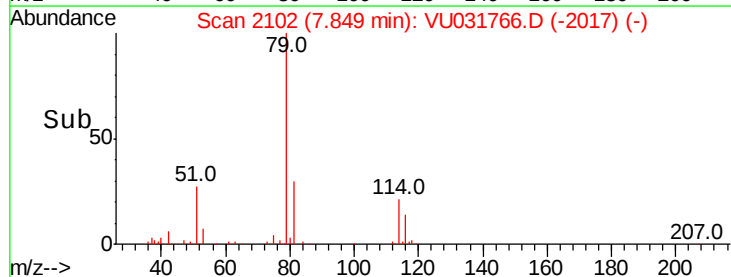
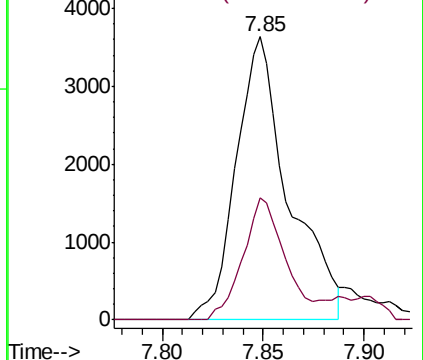
Ion Ratio Lower Upper

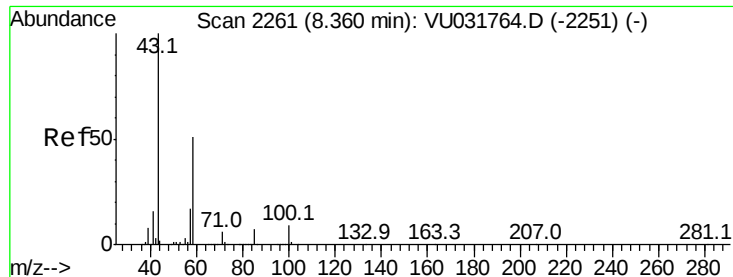
75 100

77 43.0 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0  
Ion 77.00 (76.70 to 77.70): VU0





#48

2-Hexanone

Concen: 5.810 ug/L

RT: 8.31 min Scan# 2246

Delta R.T. -0.05 min

Lab File: VU031766.D

Acq: 06 May 2019 09:43

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 43 Resp: 49847

Ion Ratio Lower Upper

43 100

58 32.4 42.1 63.1#

57 27.7 14.6 22.0#

100 0.8 7.2 10.8#

