

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\  
 Data File : VU026301.D  
 Acq On : 23 Aug 2018 16:14  
 Operator : MD/SY  
 Sample : J4601-03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C05X8

Quant Time: Aug 24 02:03:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082218WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 24 01:14:40 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 285653   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 284139   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 134035   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 86919    | 49.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 99.78%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 73612    | 51.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 103.62% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 135815   | 39.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.32%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 147965   | 106.41   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.41% |
| 24) Chloroform-d               | 4.65    | 84    | 198893   | 51.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.44% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 130597   | 51.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.34% |
| 32) Benzene-d6                 | 5.35    | 84    | 381885   | 50.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.48% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 128826   | 52.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.56% |
| 41) Toluene-d8                 | 7.57    | 98    | 351807   | 48.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.84%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 60208    | 47.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.50%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 103839   | 99.54    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 99.54%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 175750   | 48.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.30%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 149745   | 52.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.30% |

## Target Compounds

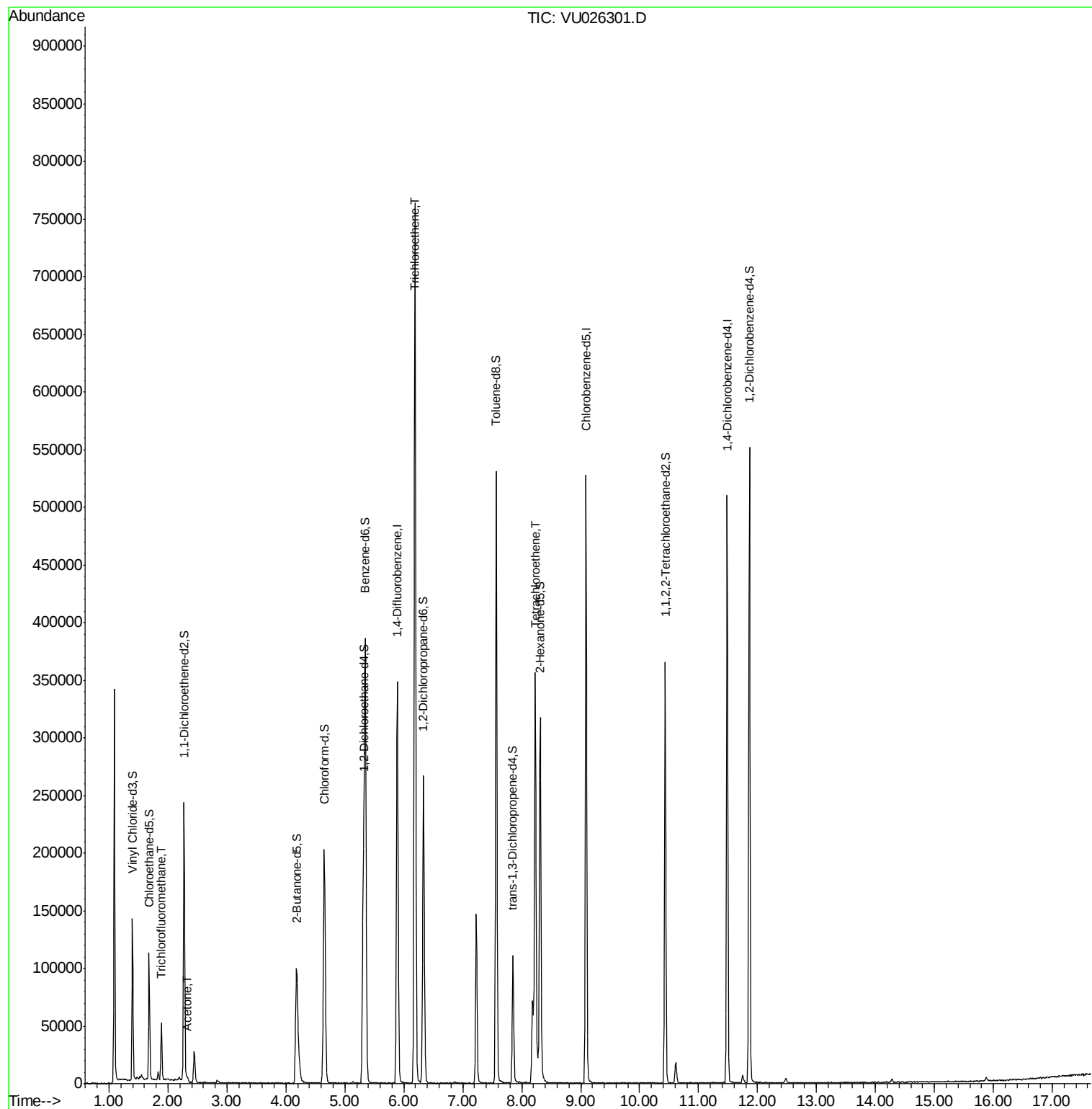
|                           |      |     |        |        | Ovalue  |
|---------------------------|------|-----|--------|--------|---------|
| 9) Trichlorofluoromethane | 1.89 | 101 | 27846  | 9.44   | ug/L 99 |
| 13) Acetone               | 2.32 | 43  | 2820   | 2.62   | ug/L 92 |
| 34) Trichloroethene       | 6.19 | 95  | 260934 | 127.39 | ug/L 98 |
| 46) Tetrachloroethene     | 8.23 | 164 | 75111  | 42.62  | ug/L 99 |

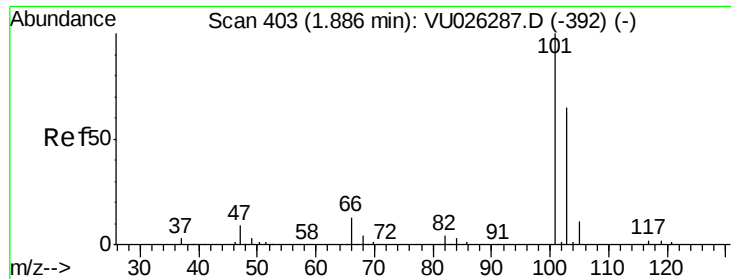
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 24 01:14:40 2018  
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 9.44 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU026301.D

Acq: 23 Aug 2018 16:14

Instrument :

MSVOA\_U

ClientSampled :

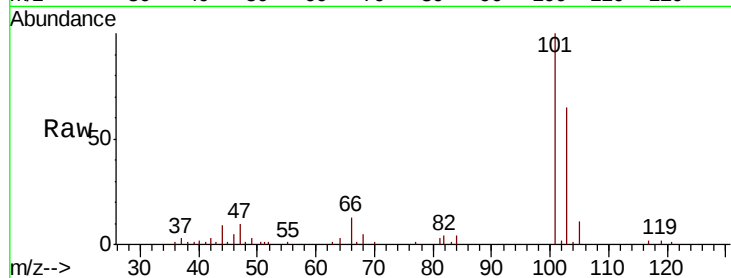
C0SX8

Tot Ion:101 Resp: 27846

Ion Ratio Lower Upper

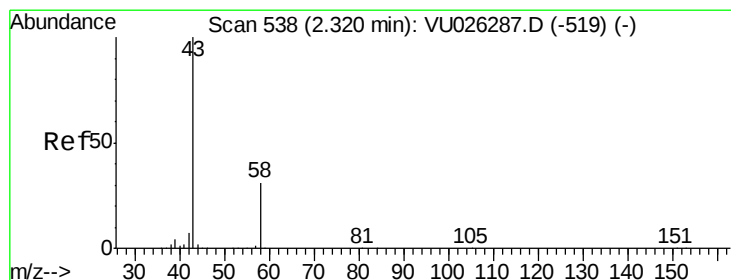
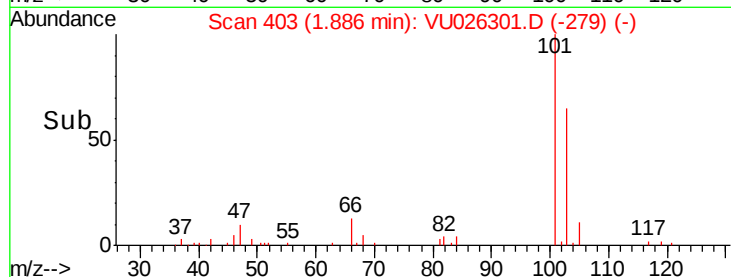
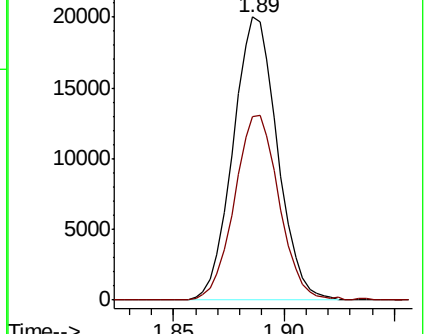
101 100

103 65.7 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Acetone

Concen: 2.62 ug/L

RT: 2.32 min Scan# 537

Delta R.T. -0.00 min

Lab File: VU026301.D

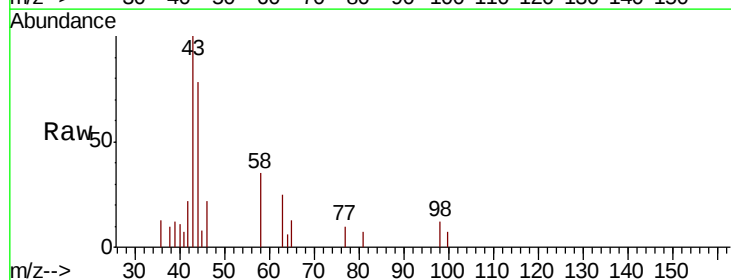
Acq: 23 Aug 2018 16:14

Tgt Ion: 43 Resp: 2820

Ion Ratio Lower Upper

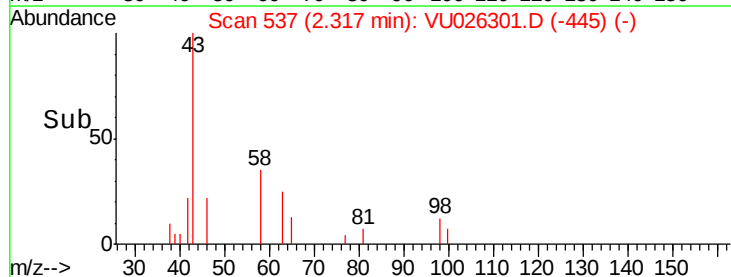
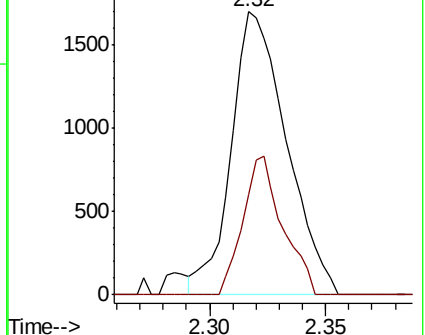
43 100

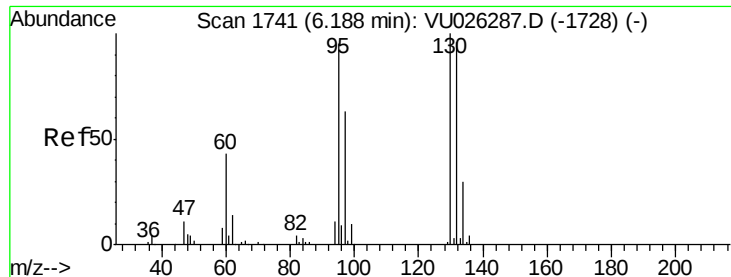
58 35.1 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

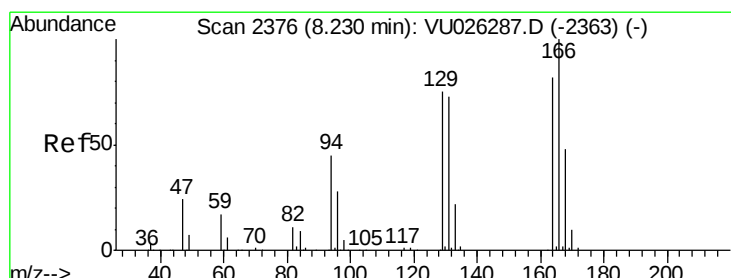
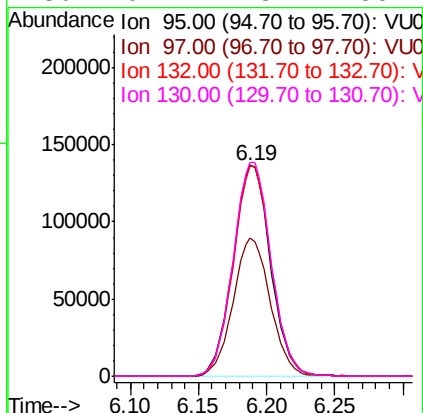
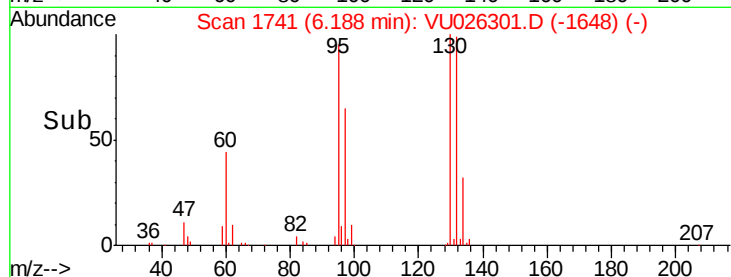
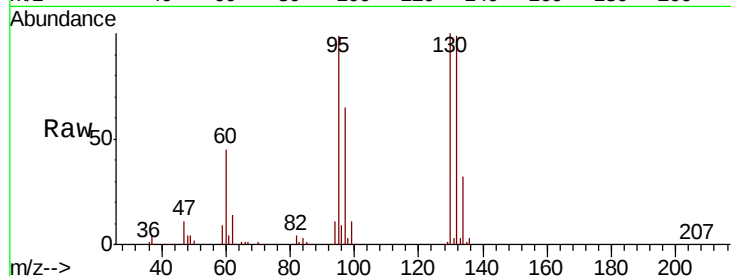




#34  
 Trichloroethene  
 Concen: 127.39 ug/L  
 RT: 6.19 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VU026301.D  
 Acq: 23 Aug 2018 16:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0SX8

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 95    | Resp: | 260934 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 65.7  | 47.2  | 87.6   |
| 132      | 99.9  | 70.2  | 130.4  |
| 130      | 101.4 | 73.4  | 136.4  |



#46  
 Tetrachloroethene  
 Concen: 42.62 ug/L  
 RT: 8.23 min Scan# 2376  
 Delta R.T. 0.00 min  
 Lab File: VU026301.D  
 Acq: 23 Aug 2018 16:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 75111 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 96.4  | 67.3  | 124.9 |
| 131      | 93.0  | 65.5  | 121.7 |
| 166      | 127.6 | 90.9  | 168.9 |

