

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082418\  
 Data File : VU026328.D  
 Acq On : 24 Aug 2018 12:56  
 Operator : MD/SY  
 Sample : VU0824WBL01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 25 02:30:43 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082218WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 25 02:29:46 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 310052   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 301779   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 140586   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 86078    | 45.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 91.04%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 75086    | 48.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.38%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 135717   | 36.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.02%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 152302   | 100.91   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.91% |
| 24) Chloroform-d               | 4.65    | 84    | 203228   | 48.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.42%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 137552   | 50.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.28% |
| 32) Benzene-d6                 | 5.34    | 84    | 396407   | 49.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 130460   | 50.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.66% |
| 41) Toluene-d8                 | 7.57    | 98    | 362708   | 47.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 61272    | 45.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.50%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 105778   | 95.48    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.48%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 180318   | 47.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 149782   | 50.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.42% |

## Target Compounds

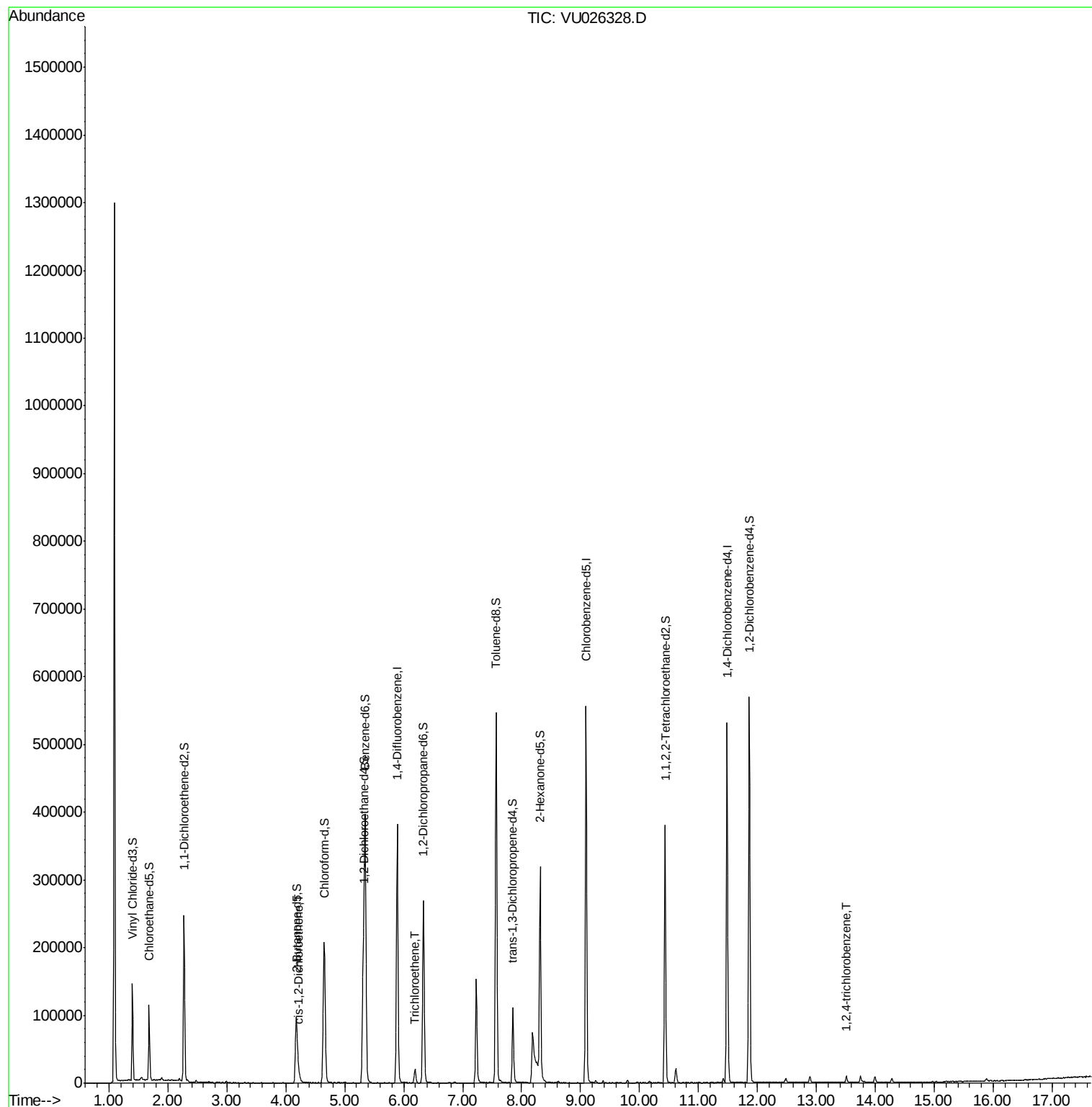
|                            |       |     |      |              | Ovalue |
|----------------------------|-------|-----|------|--------------|--------|
| 20) cis-1,2-Dichloroethene | 4.23  | 96  | 3760 | 1.694 ug/L   | 90     |
| 34) Trichloroethene        | 6.19  | 95  | 7173 | 3.297 ug/L   | 99     |
| 68) 1,2,4-trichlorobenzene | 13.51 | 180 | 4122 | 1.452 ug/L # | 89     |

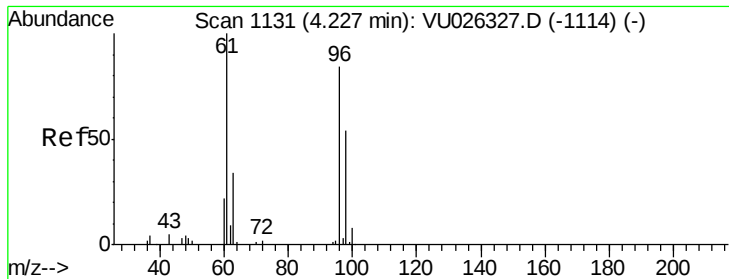
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VU0824WBL01  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Aug 25 02:30:43 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082218WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Aug 25 02:29:46 2018  
Response via : Initial Calibration





#20

cis-1,2-Dichloroethene

Concen: 1.694 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026328.D

Acq: 24 Aug 2018 12:56

Instrument :  
MSVOA\_U  
ClientSampleId :

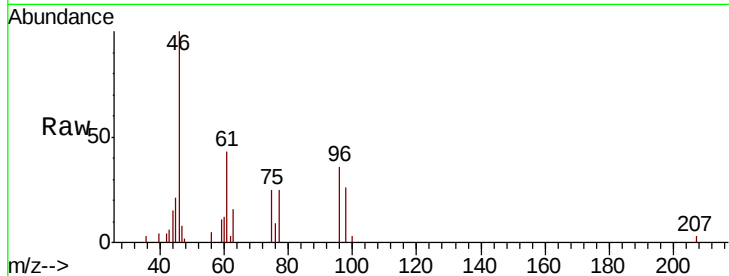
Tot Ion: 96 Resp: 3760

Ion Ratio Lower Upper

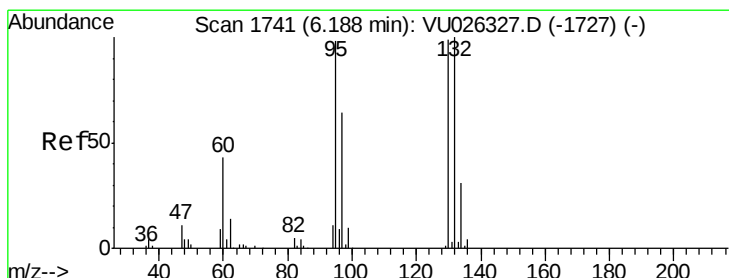
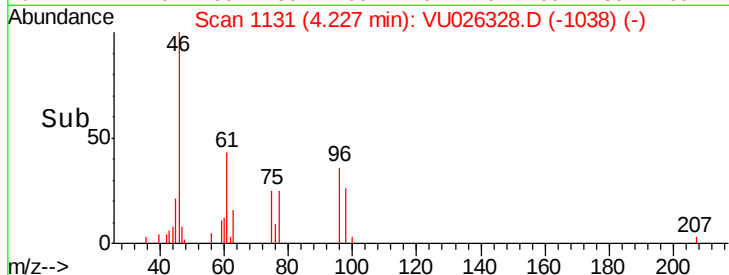
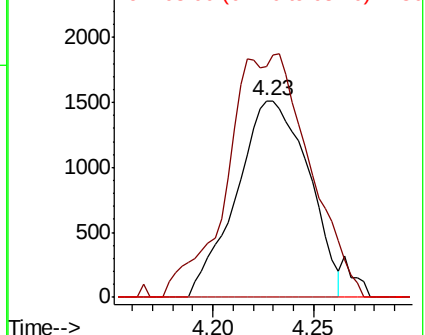
96 100

61 117.7 90.3 167.7

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



#34

Trichloroethene

Concen: 3.297 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU026328.D

Acq: 24 Aug 2018 12:56

Tgt Ion: 95 Resp: 7173

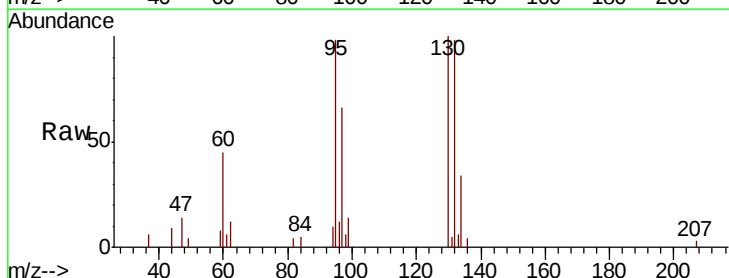
Ion Ratio Lower Upper

95 100

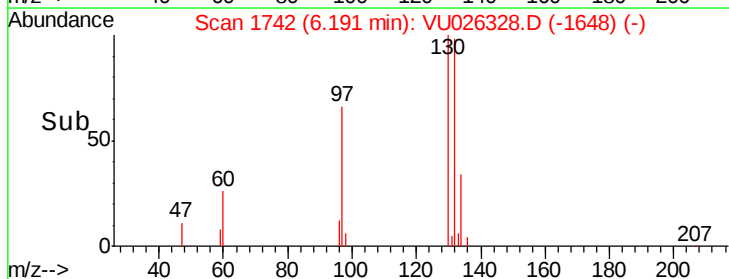
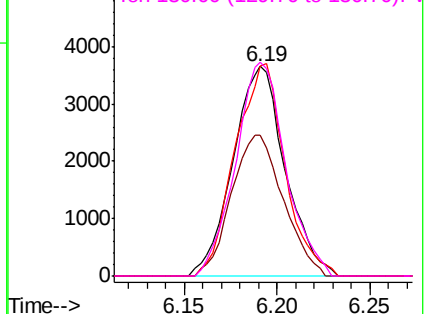
97 67.2 47.2 87.6

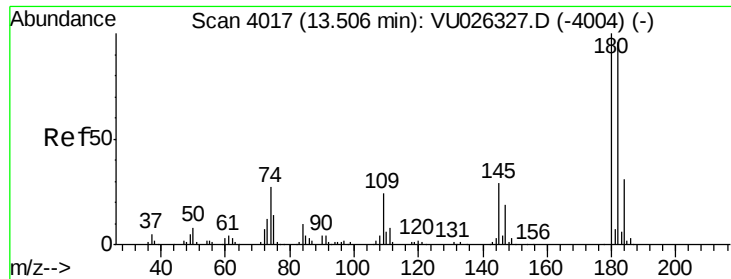
132 100.1 70.2 130.4

130 101.9 73.4 136.4



Abundance Ion 95.00 (94.70 to 95.70): VU0  
Ion 97.00 (96.70 to 97.70): VU0  
Ion 132.00 (131.70 to 132.70): V  
Ion 130.00 (129.70 to 130.70): V





#68  
 1,2,4-trichlorobenzene  
 Concen: 1.452 ug/L  
 RT: 13.51 min Scan# 4018  
 Delta R.T. 0.00 min  
 Lab File: VU026328.D  
 Acq: 24 Aug 2018 12:56

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion:180 Resp: 4122  
 Ion Ratio Lower Upper  
 180 100  
 182 85.3 75.8 113.6  
 145 22.7 23.8 35.8#

