

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\  
 Data File : VU031187.D  
 Acq On : 14 Apr 2019 03:34  
 Operator : JC/SP  
 Sample : K2339-11DL 200X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFC34DL

Quant Time: Apr 15 12:31:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Apr 15 01:39:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 438361   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 416142   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 167793   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 177456   | 45.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.70%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 163743   | 55.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 110.26% |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 311869   | 44.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.12%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 293776   | 94.72    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.72%  |
| 24) Chloroform-d               | 4.64    | 84    | 296148   | 49.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.08%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 203755   | 49.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.90%  |
| 32) Benzene-d6                 | 5.34    | 84    | 574030   | 47.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.50%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 201894   | 48.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.98%  |
| 41) Toluene-d8                 | 7.56    | 98    | 501748   | 46.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.20%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 79614    | 41.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.88%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 177322   | 93.19    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 93.19%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 275073   | 48.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.96%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 171354   | 51.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.86% |

## Target Compounds

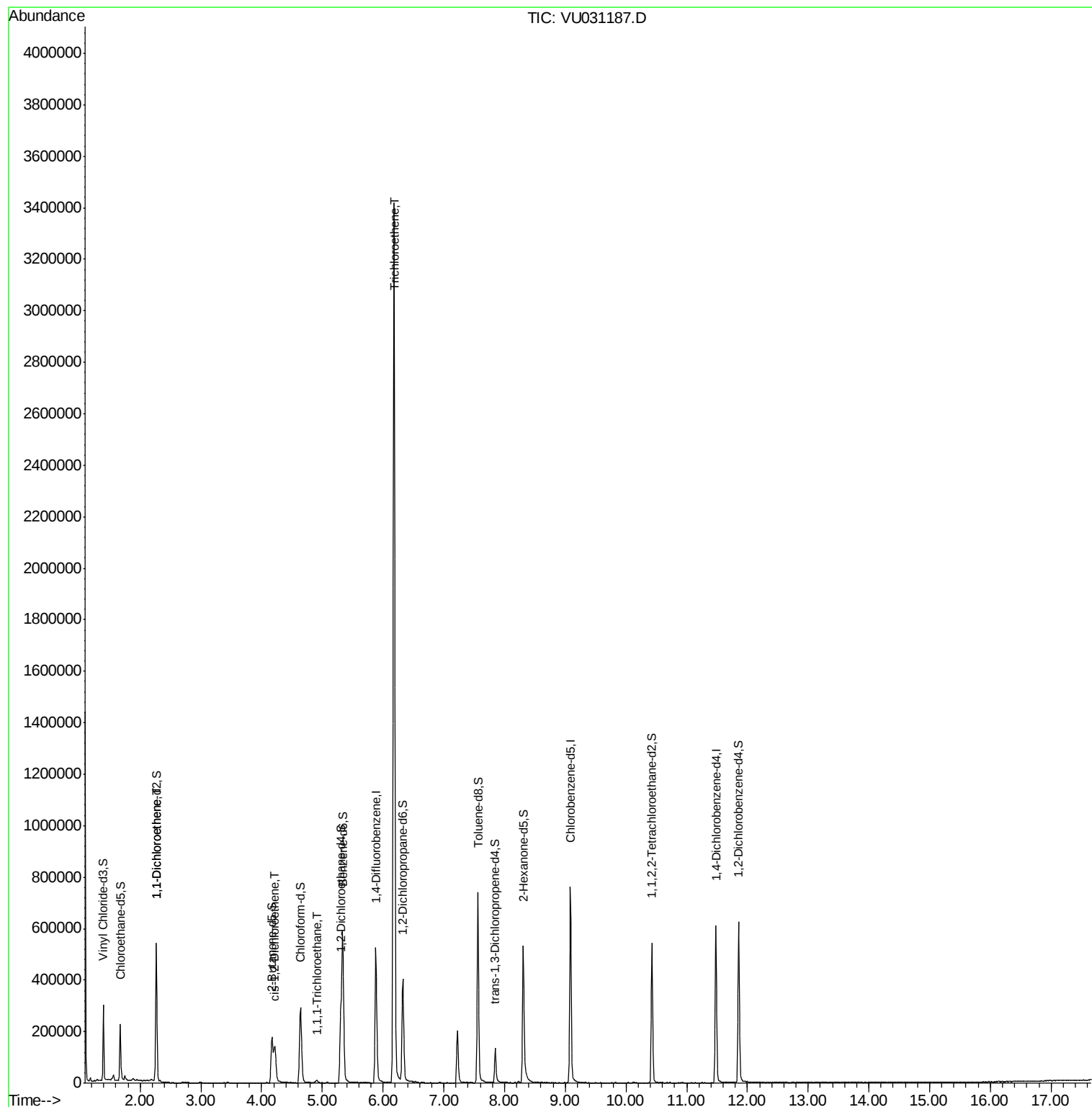
|                            |      |    |         |              | Ovalue |
|----------------------------|------|----|---------|--------------|--------|
| 12) 1,1-Dichloroethene     | 2.27 | 96 | 13141   | 4.337 ug/L   | # 1    |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 73001   | 20.549 ug/L  | 93     |
| 30) 1,1,1-Trichloroethane  | 4.91 | 97 | 7399    | 1.459 ug/L   | 96     |
| 34) Trichloroethene        | 6.18 | 95 | 1197035 | 358.389 ug/L | 96     |

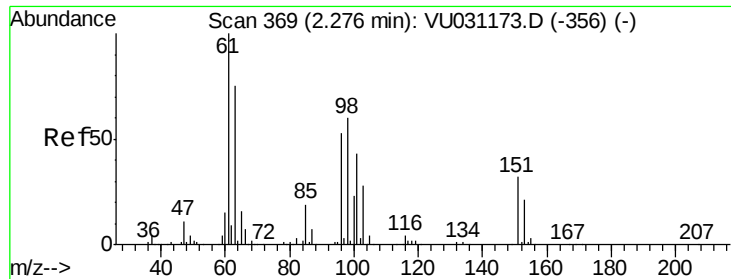
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 15 01:39:53 2019  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.337 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU031187.D

Acq: 14 Apr 2019 03:34

Instrument :

MSVOA\_U

ClientSampleId :

BFC34DL

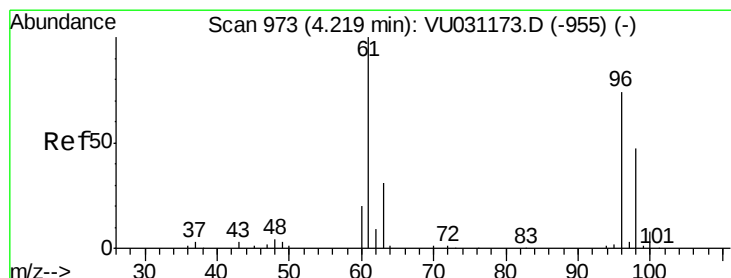
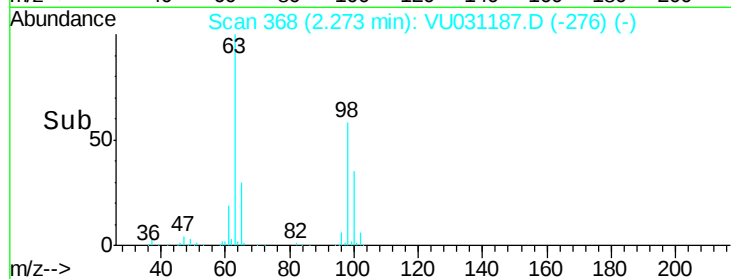
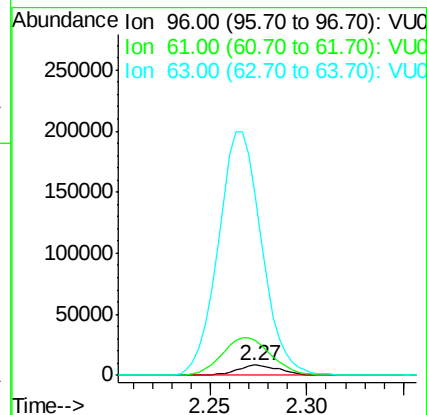
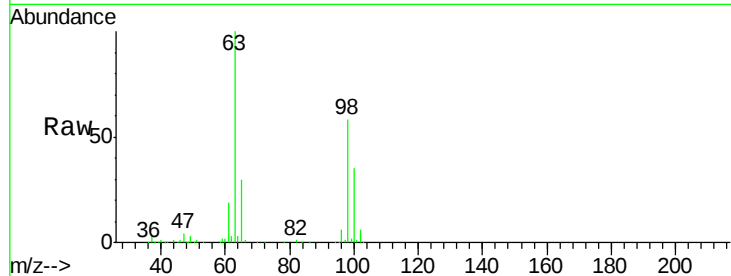
Tot Ion: 96 Resp: 13141

Ion Ratio Lower Upper

96 100

61 344.3 132.0 245.2#

63 1782.6 90.9 168.9#



#20

cis-1,2-Dichloroethene

Concen: 20.549 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031187.D

Acq: 14 Apr 2019 03:34

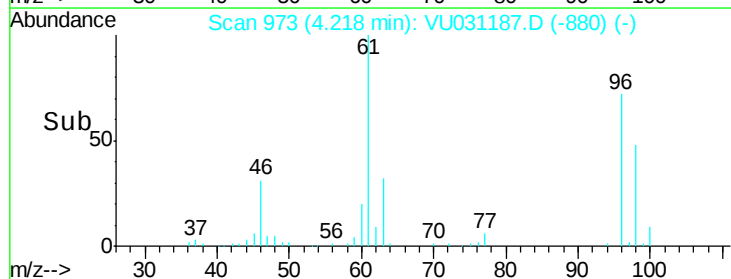
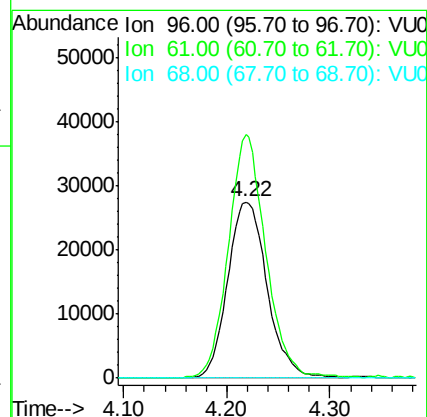
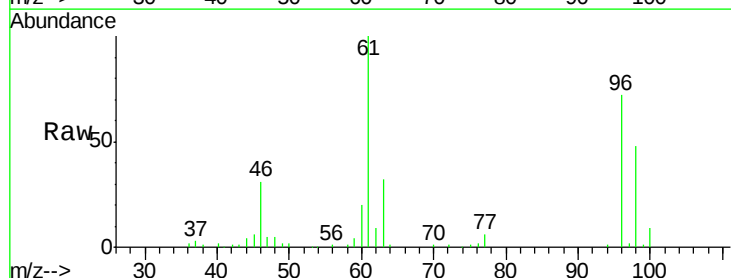
Tgt Ion: 96 Resp: 73001

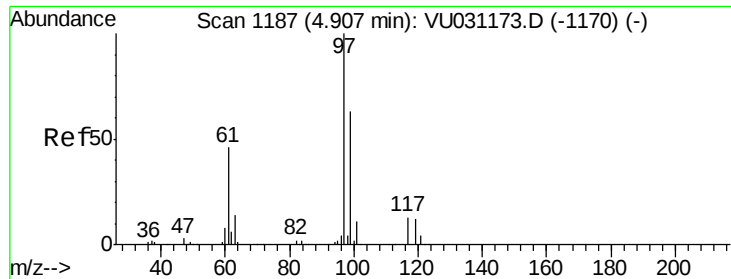
Ion Ratio Lower Upper

96 100

61 138.4 102.9 191.1

68 0.0 0.0 0.0

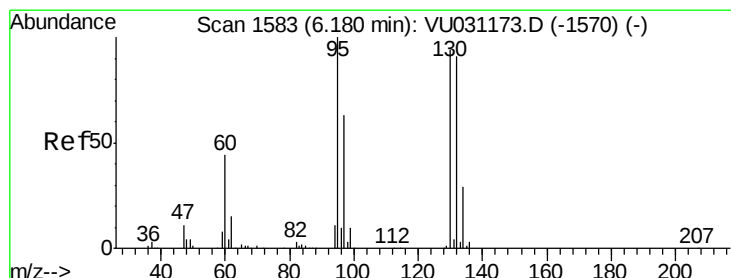
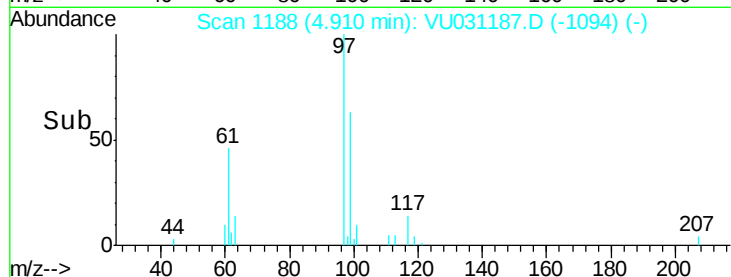
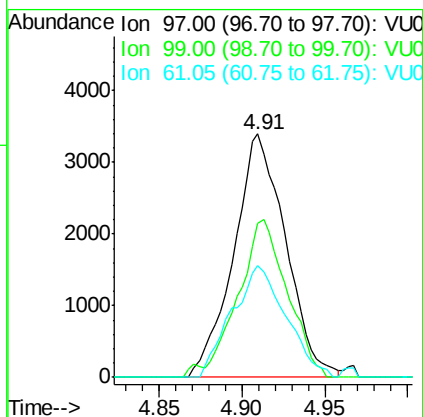
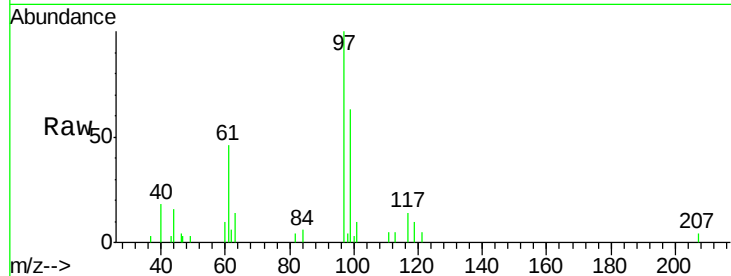




#30  
 1,1,1-Trichloroethane  
 Concen: 1.459 ug/L  
 RT: 4.91 min Scan# 1188  
 Delta R.T. 0.00 min  
 Lab File: VU031187.D  
 Acq: 14 Apr 2019 03:34

Instrument :  
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Tot Ion: 97 Resp: 7399  
 Ion Ratio Lower Upper  
 97 100  
 99 60.3 51.4 77.2  
 61 47.8 37.1 55.7



#34  
 Trichloroethene  
 Concen: 358.389 ug/L  
 RT: 6.18 min Scan# 1583  
 Delta R.T. -0.00 min  
 Lab File: VU031187.D  
 Acq: 14 Apr 2019 03:34

Tgt Ion: 95 Resp: 1197035  
 Ion Ratio Lower Upper  
 95 100  
 97 63.4 44.5 82.7  
 132 93.6 61.5 114.1  
 130 97.7 64.9 120.5

