

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\  
 Data File : VU034786.D  
 Acq On : 24 Sep 2019 21:07  
 Operator : JC/SP  
 Sample : K4948-03DL 10X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEDN3DL

Quant Time: Sep 25 07:34:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 25 02:59:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 559282   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 504824   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 231108   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 210047   | 36.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 73.38%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 188190   | 42.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 85.06%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 288682   | 29.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.54%# |
| 21) 2-Butanone-d5              | 4.15    | 46    | 461576   | 105.19   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 105.19% |
| 24) Chloroform-d               | 4.62    | 84    | 388250   | 46.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.28%  |
| 26) 1,2-Dichloroethane-d4      | 5.28    | 65    | 270865   | 44.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.54%  |
| 32) Benzene-d6                 | 5.32    | 84    | 795269   | 50.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.66% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 285524   | 52.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 104.42% |
| 41) Toluene-d8                 | 7.54    | 98    | 741101   | 49.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.56%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 128102   | 48.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.82%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 298633   | 108.72   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 108.72% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 389784   | 51.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.72% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 252885   | 52.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.36% |

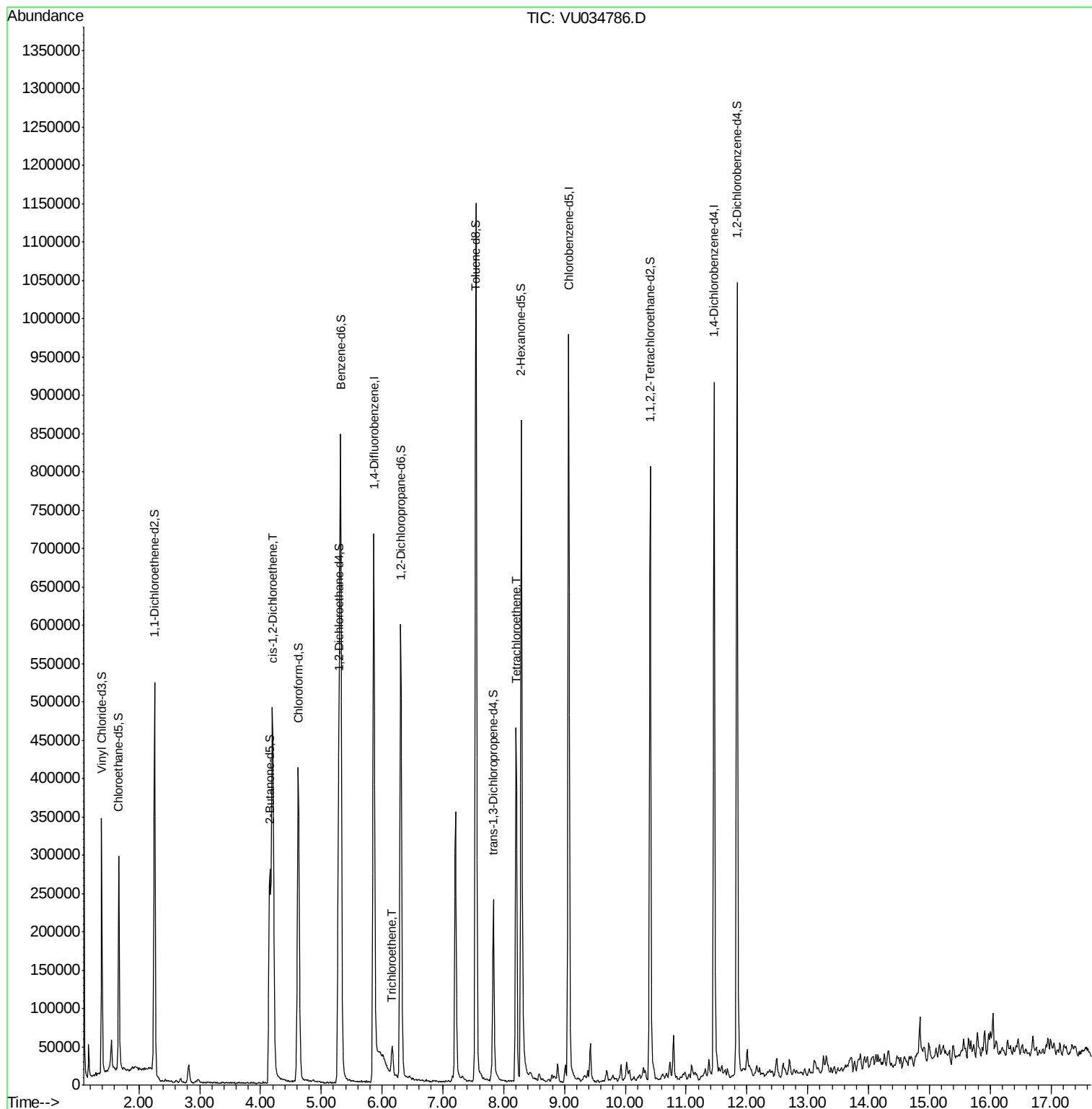
| Target Compounds           |      |     |        |             | Ovalue |
|----------------------------|------|-----|--------|-------------|--------|
| 20) cis-1,2-Dichloroethene | 4.20 | 96  | 250100 | 53.465 ug/L | 87     |
| 34) Trichloroethene        | 6.16 | 95  | 12670  | 2.930 ug/L  | 96     |
| 46) Tetrachloroethene      | 8.21 | 164 | 94502  | 31.070 ug/L | 97     |

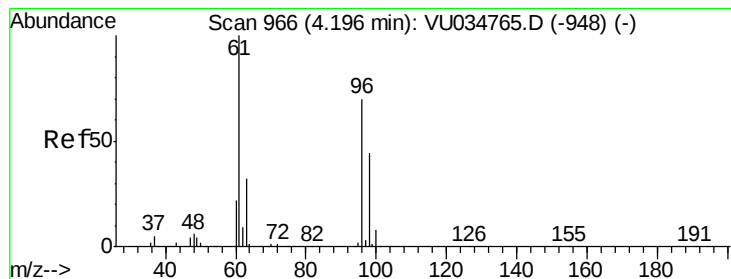
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#20

cis-1,2-Dichloroethene

Concen: 53.465 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU034786.D

Acq: 24 Sep 2019 21:07

Instrument :

MSVOA\_U

ClientSampleId :

BEDN3DL

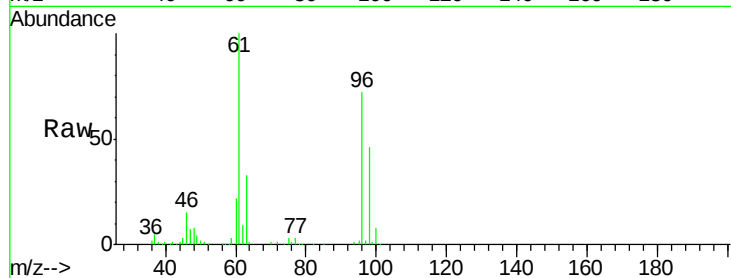
Tot Ion: 96 Resp: 250100

Ion Ratio Lower Upper

96 100

61 138.4 108.8 202.2

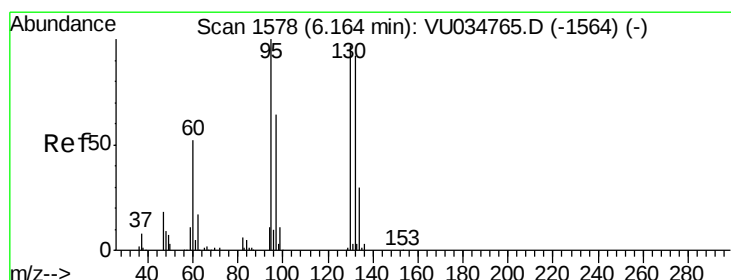
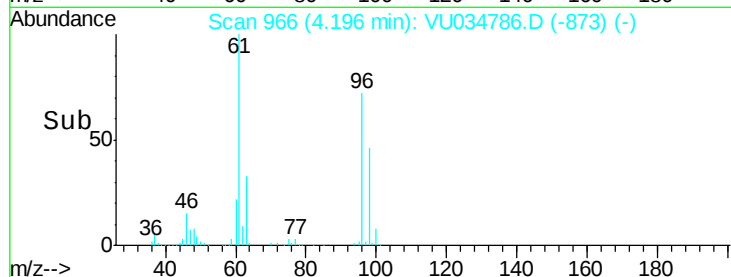
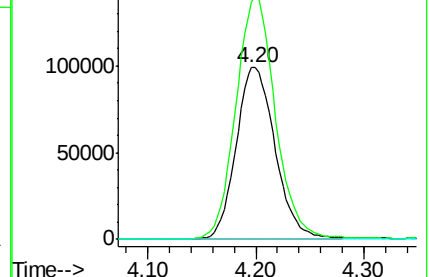
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034786.D (-1485) (-)

Ion 61.00 (60.70 to 61.70): VU034786.D (-1485) (-)

Ion 68.00 (67.70 to 68.70): VU034786.D (-1485) (-)



#34

Trichloroethene

Concen: 2.930 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034786.D

Acq: 24 Sep 2019 21:07

Tgt Ion: 95 Resp: 12670

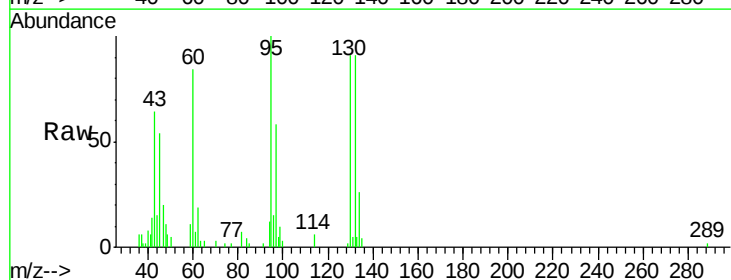
Ion Ratio Lower Upper

95 100

97 58.4 43.7 81.1

132 90.9 61.0 113.2

130 90.5 65.7 121.9

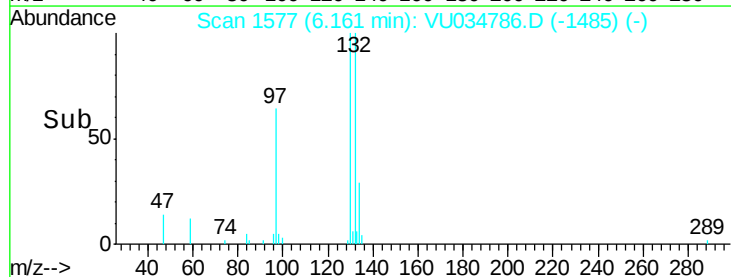
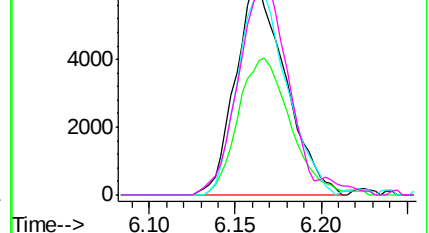


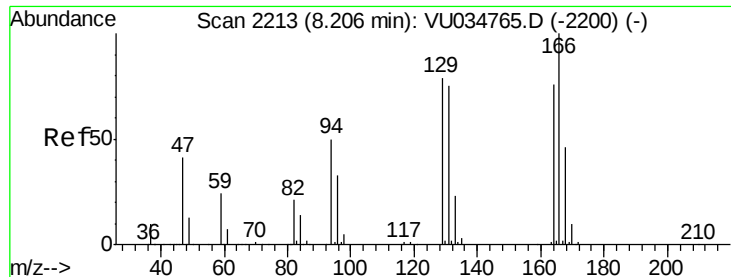
Abundance Ion 95.00 (94.70 to 95.70): VU034786.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VU034786.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VU034786.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VU034786.D (-1485) (-)





#46

Tetrachloroethene

Concen: 31.070 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034786.D

Acq: 24 Sep 2019 21:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
BEDN3DL

Tot Ion:164 Resp: 94502

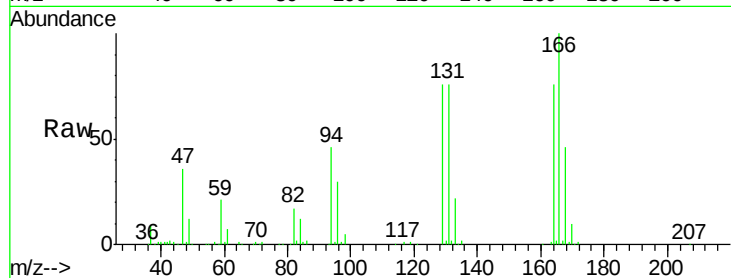
Ion Ratio Lower Upper

164 100

129 100.6 71.9 133.5

131 99.7 66.3 123.1

166 131.5 93.4 173.6



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

