

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083118\  
 Data File : VU026491.D  
 Acq On : 31 Aug 2018 11:55  
 Operator : MD/SY  
 Sample : J4691-06DL2 2000X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEE03DL2

Quant Time: Sep 01 01:26:12 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 01 01:02:22 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 146280   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 138539   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 59121    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 41291    | 45.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 91.12%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 39560    | 48.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.66%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 69434    | 34.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.04%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 74298    | 105.62   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 105.62% |
| 24) Chloroform-d               | 4.65    | 84    | 80723    | 47.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.32%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 59026    | 51.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.58% |
| 32) Benzene-d6                 | 5.35    | 84    | 167136   | 52.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.68% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 58213    | 53.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 106.14% |
| 41) Toluene-d8                 | 7.57    | 98    | 153827   | 49.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.82%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 25402    | 50.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 101.42% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 55665    | 110.65   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 110.65% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 81416    | 50.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.76% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 61650    | 57.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 114.96% |

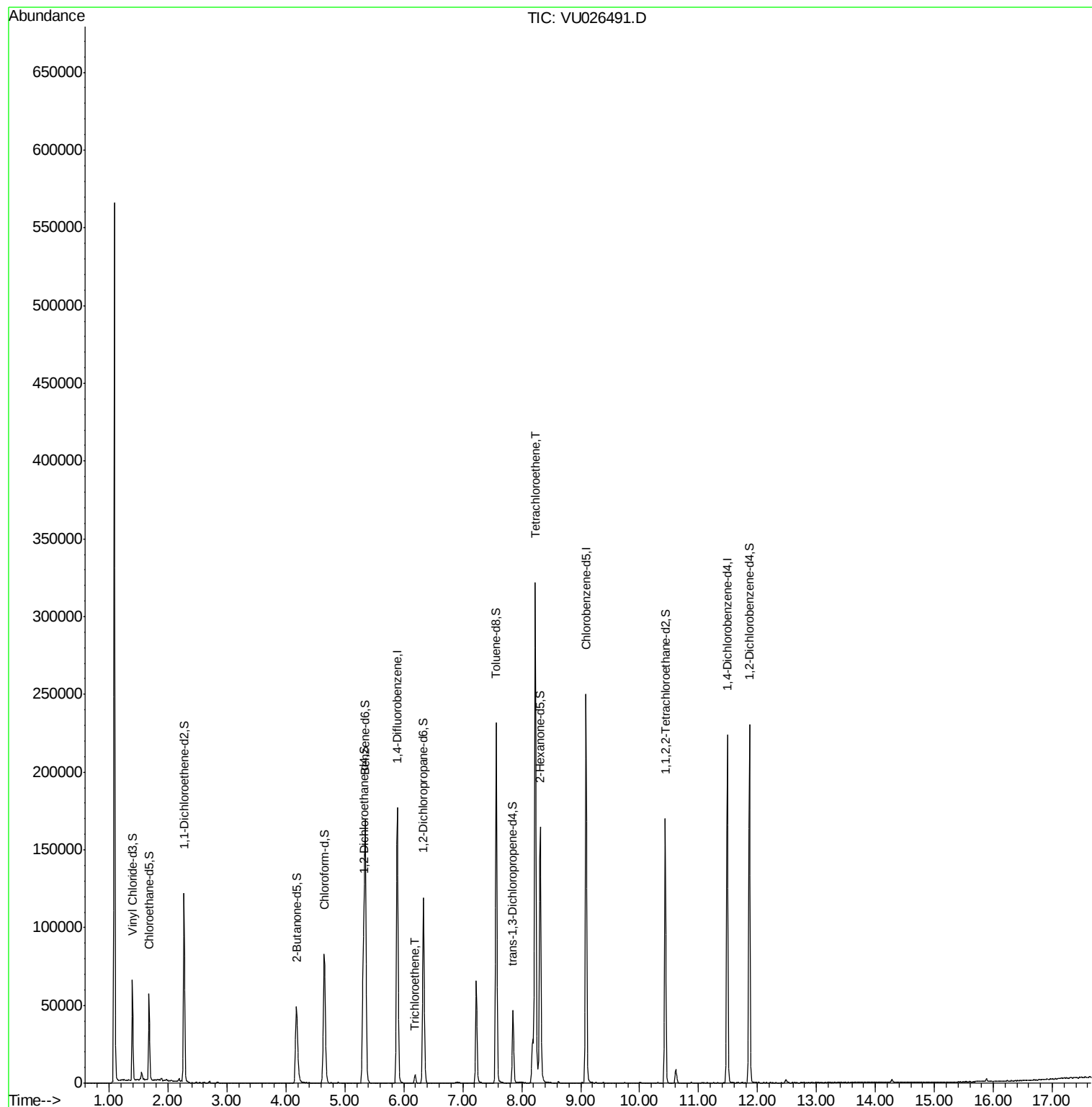
| Target Compounds      |      |     |       |       |      | Ovalue |
|-----------------------|------|-----|-------|-------|------|--------|
| 34) Trichloroethene   | 6.19 | 95  | 2109  | 2.12  | ug/L | 89     |
| 46) Tetrachloroethene | 8.23 | 164 | 69415 | 85.22 | ug/L | 97     |

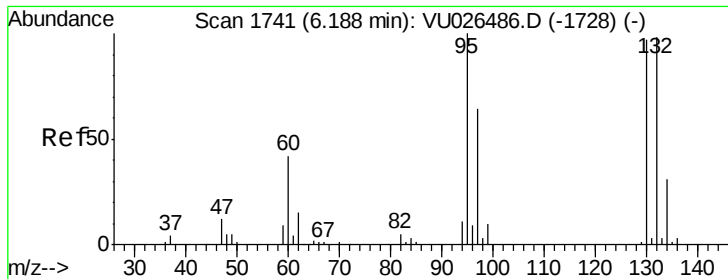
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Sep 01 01:02:22 2018  
Response via : Initial Calibration





#34

Trichloroethene

Concen: 2.12 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026491.D

Acq: 31 Aug 2018 11:55

Instrument :

MSVOA\_U

ClientSampleId :

BEE03DL2

Tot Ion: 95 Resp: 2109

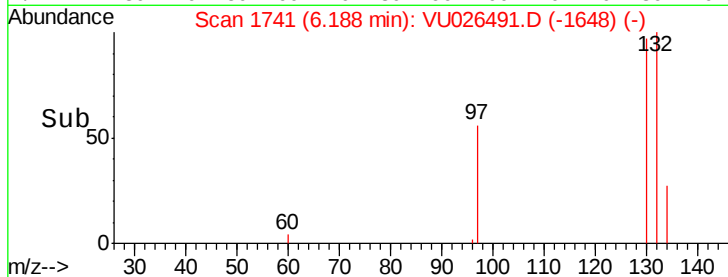
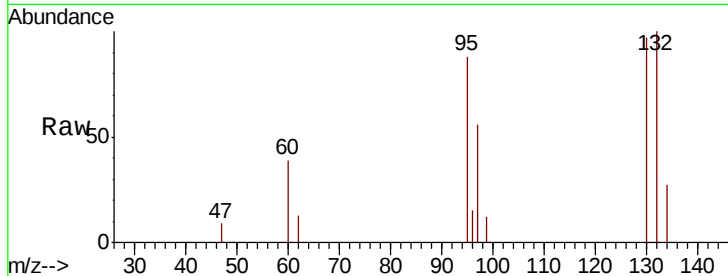
Ion Ratio Lower Upper

95 100

97 63.9 45.1 83.7

132 114.0 67.5 125.3

130 110.2 69.3 128.7

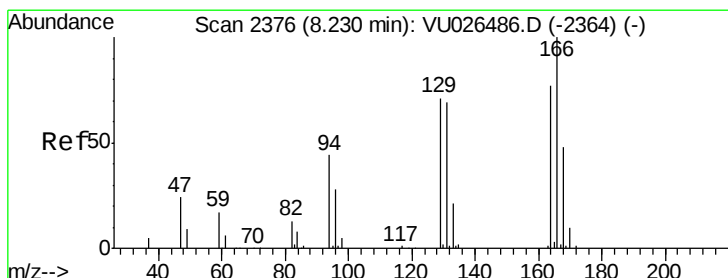
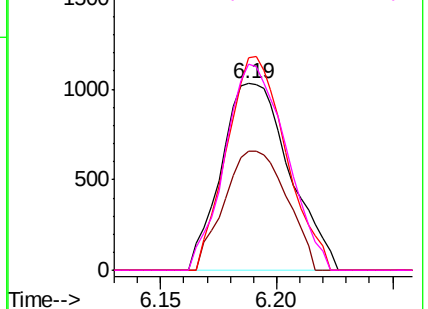


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#46

Tetrachloroethene

Concen: 85.22 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026491.D

Acq: 31 Aug 2018 11:55

Tgt Ion:164 Resp: 69415

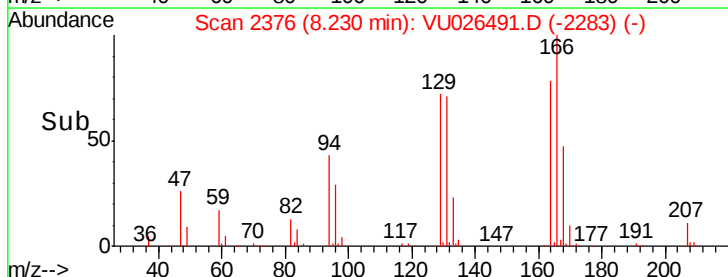
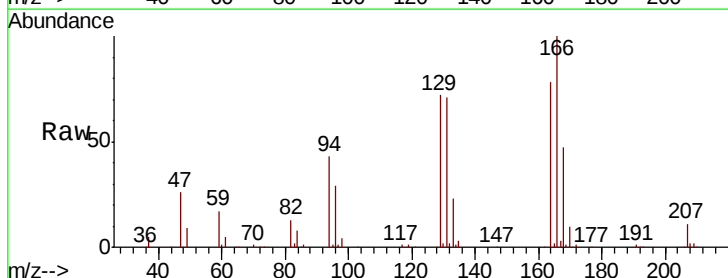
Ion Ratio Lower Upper

164 100

129 92.1 67.3 125.1

131 90.3 65.3 121.3

166 127.5 90.9 168.7



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

