

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083018\  
 Data File : VU026475.D  
 Acq On : 31 Aug 2018 02:37  
 Operator : MD/SY  
 Sample : J4694-14 50X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEE32

Quant Time: Aug 31 06:51:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 31 05:38:13 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 151180   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 143286   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 60779    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 39129    | 41.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 83.54%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 36569    | 43.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 86.46%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 53994    | 25.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 51.20%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 64133    | 88.22    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 88.22%  |
| 24) Chloroform-d               | 4.65    | 84    | 74106    | 41.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.78%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 51357    | 43.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.20%  |
| 32) Benzene-d6                 | 5.34    | 84    | 148769   | 45.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.10%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 51196    | 45.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.26%  |
| 41) Toluene-d8                 | 7.57    | 98    | 134524   | 42.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.40%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 21757    | 42.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.00%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 46693    | 89.74    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 89.74%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 71243    | 42.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 85.24%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 52987    | 48.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.10%  |

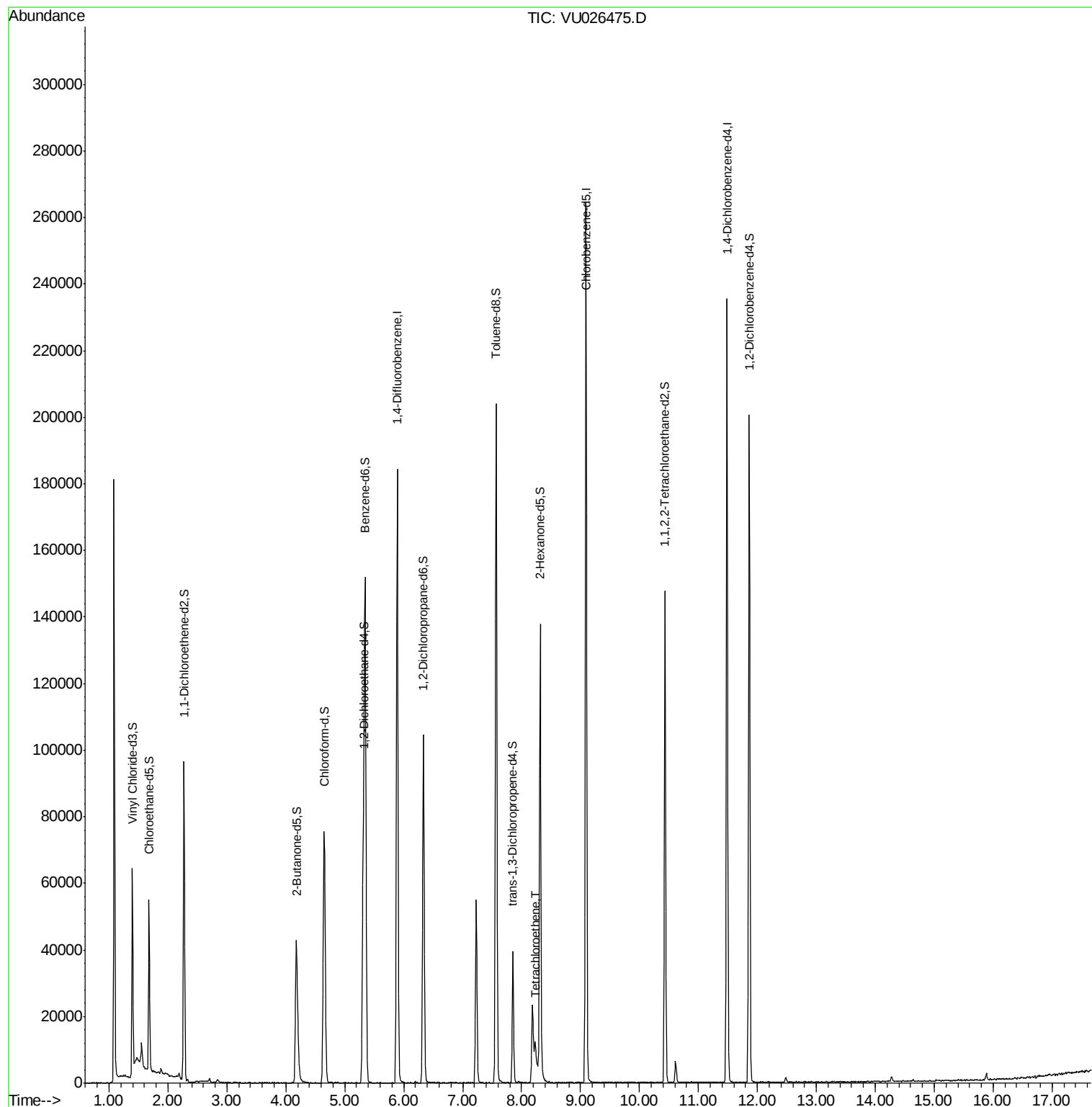
| Target Compounds      |      |     |      |           | Ovalue |
|-----------------------|------|-----|------|-----------|--------|
| 46) Tetrachloroethene | 8.23 | 164 | 1648 | 1.96 ug/L | 90     |

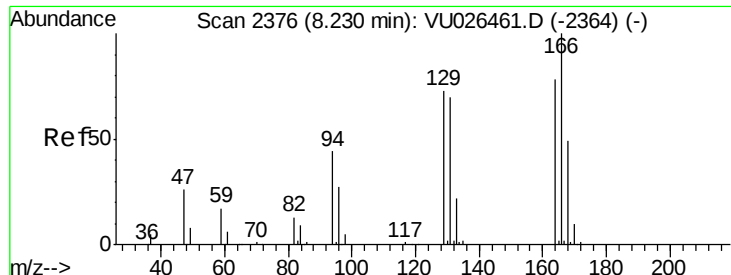
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU083018\  
Data File : VU026475.D  
Acq On : 31 Aug 2018 02:37  
Operator : MD/SY  
Sample : J4694-14 50X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BEE32

Quant Time: Aug 31 06:51:35 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Aug 31 05:38:13 2018  
Response via : Initial Calibration





#46

Tetrachloroethene

Concen: 1.96 ug/L

RT: 8.23 min Scan# 2375

Delta R.T. -0.00 min

Lab File: VU026475.D

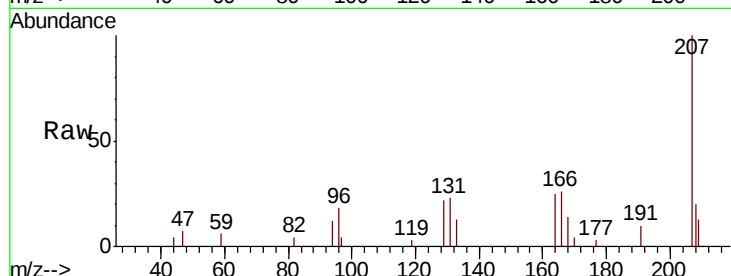
Acq: 31 Aug 2018 02:37

Instrument :

MSVOA\_U

ClientSampleId :

BEE32



Tot Ion:164 Resp: 1648

Ion Ratio Lower Upper

164 100

129 89.8 67.3 125.1

131 93.1 65.3 121.3

166 106.3 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

