

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
 Data File : VU032831.D  
 Acq On : 18 Jun 2019 17:53  
 Operator : JC/SP  
 Sample : K3379-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0JT3

Quant Time: Jun 19 05:31:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 19 04:35:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 226270   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 221987   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 110095   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 73124    | 47.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 94.58%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 60264    | 48.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.72%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 115480   | 37.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.14%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 144422   | 112.21   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 112.21% |
| 24) Chloroform-d               | 4.64    | 84    | 146254   | 48.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.30%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 102220   | 51.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.10% |
| 32) Benzene-d6                 | 5.33    | 84    | 294259   | 50.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.70% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 94575    | 51.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.60% |
| 41) Toluene-d8                 | 7.56    | 98    | 272021   | 50.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.40% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 41923    | 43.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.44%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 100931   | 117.26   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 117.26% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42   | 84    | 139839   | 49.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.14%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 110356   | 51.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.60% |

## Target Compounds

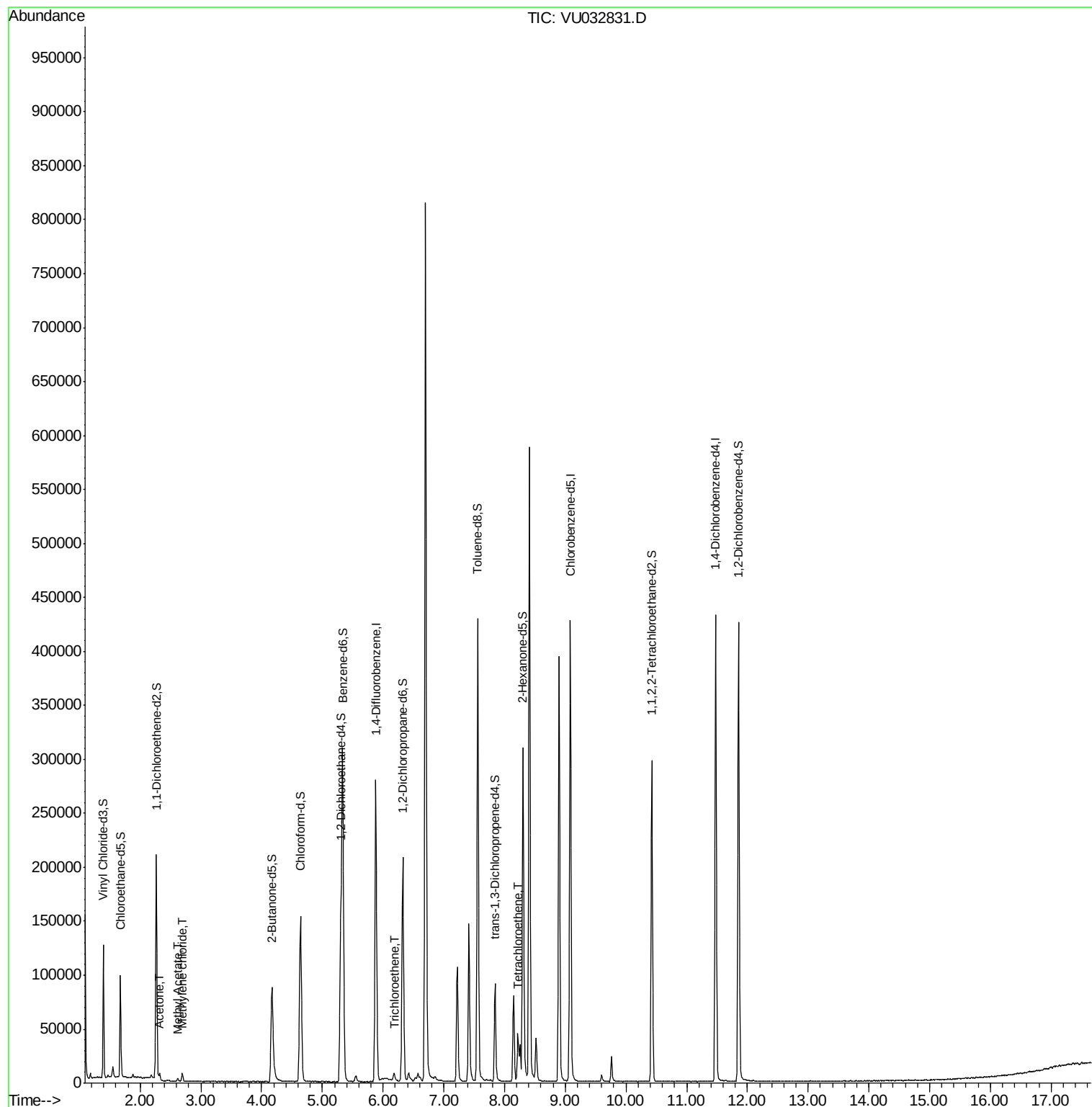
|                        |      |     |      |              | Ovalue |
|------------------------|------|-----|------|--------------|--------|
| 13) Acetone            | 2.32 | 43  | 5826 | 3.277 ug/L   | 99     |
| 15) Methyl Acetate     | 2.61 | 43  | 3181 | 1.579 ug/L # | 87     |
| 16) Methylene chloride | 2.70 | 84  | 3133 | 1.874 ug/L   | 94     |
| 34) Trichloroethene    | 6.18 | 95  | 2371 | 1.388 ug/L   | 95     |
| 46) Tetrachloroethene  | 8.22 | 164 | 7667 | 5.476 ug/L   | 92     |

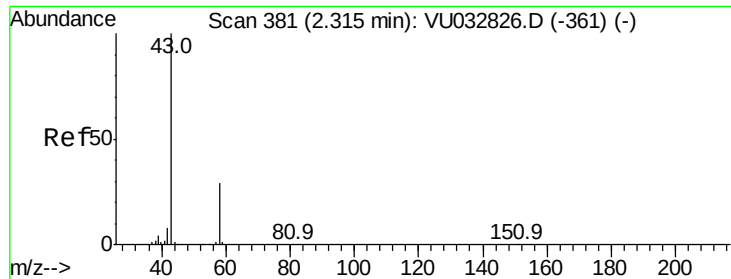
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed Jun 19 04:35:38 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 3.277 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032831.D

Acq: 18 Jun 2019 17:53

Instrument :

MSVOA\_U

ClientSampleId :

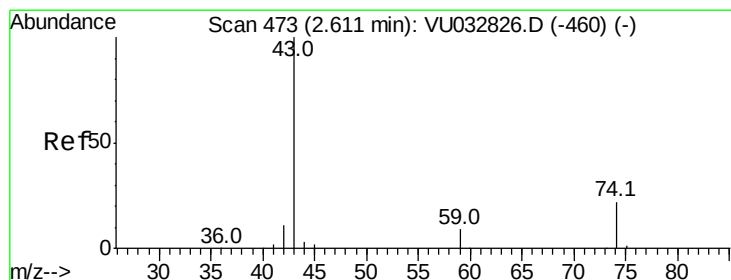
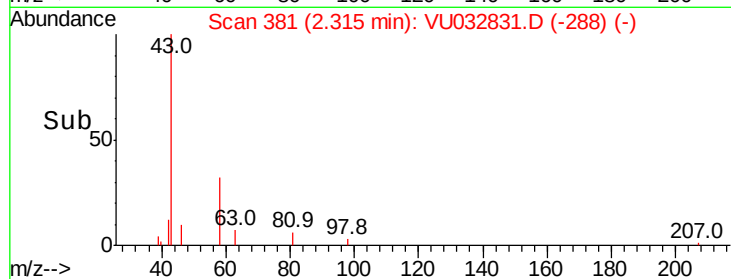
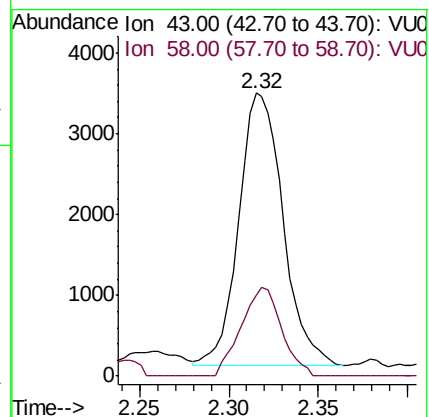
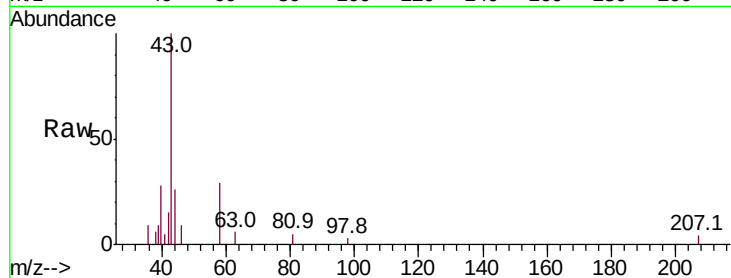
C0JT3

Tot Ion: 43 Resp: 5826

Ion Ratio Lower Upper

43 100

58 29.7 0.0 60.6



#15

Methyl Acetate

Concen: 1.579 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

Lab File: VU032831.D

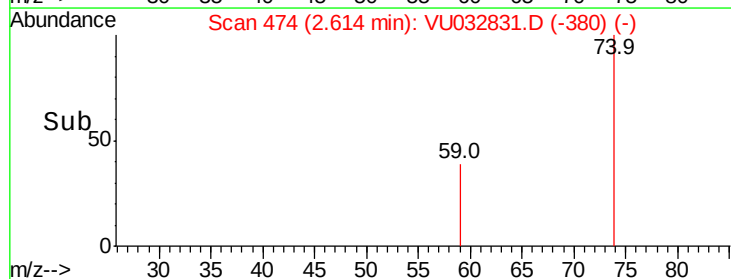
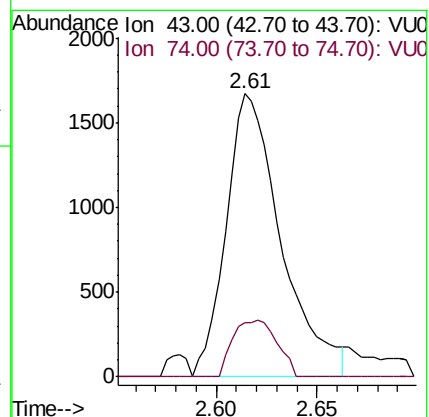
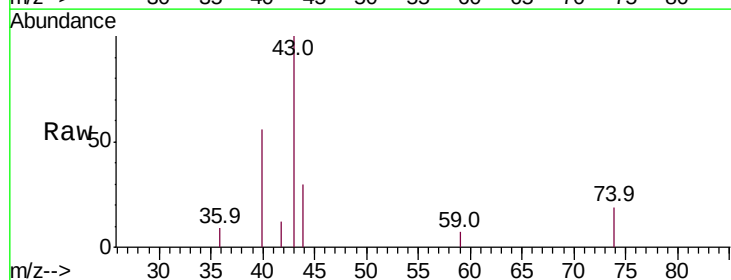
Acq: 18 Jun 2019 17:53

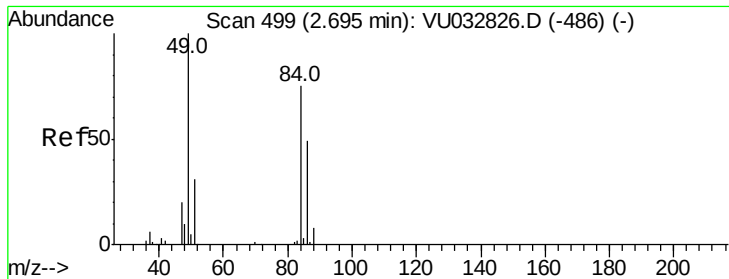
Tgt Ion: 43 Resp: 3181

Ion Ratio Lower Upper

43 100

74 16.2 18.1 27.1#

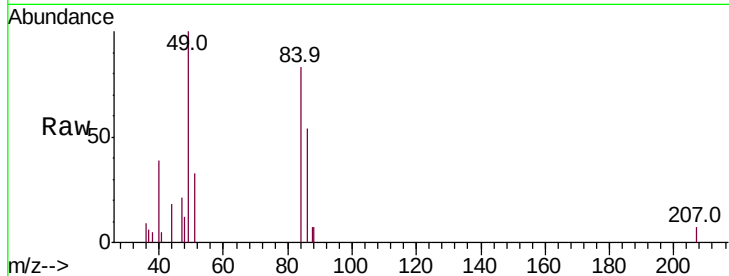




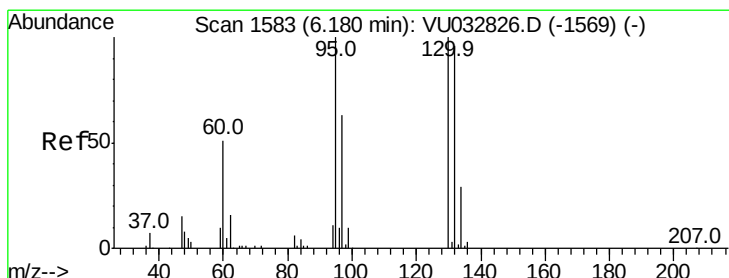
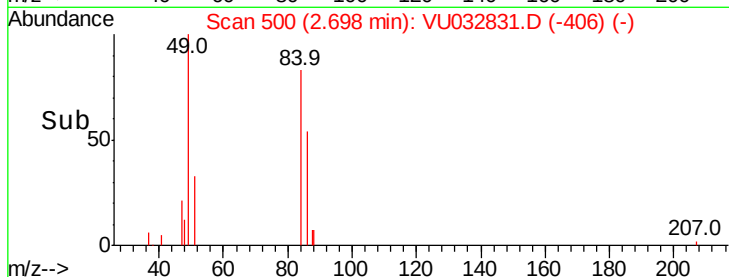
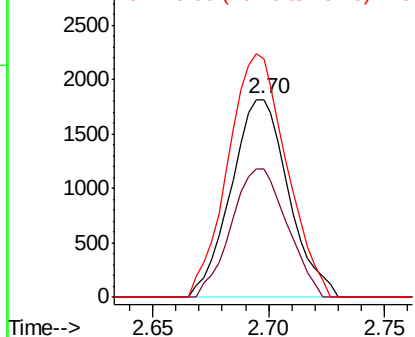
#16  
Methvlene chloride  
Concen: 1.874 ug/L  
RT: 2.70 min Scan# 500  
Delta R.T. 0.00 min  
Lab File: VU032831.D  
Acq: 18 Jun 2019 17:53

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JT3

Tot Ion: 84 Resp: 3133  
Ion Ratio Lower Upper  
84 100  
86 64.7 45.5 84.5  
49 120.7 92.1 171.1

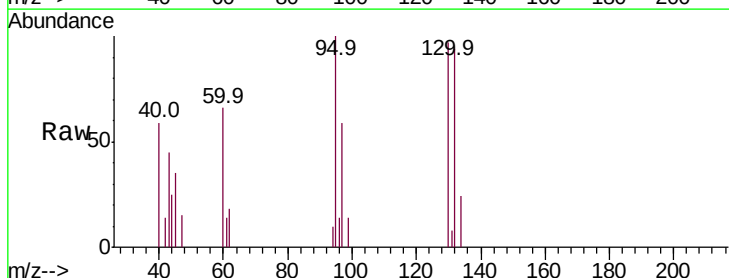


Abundance Ion 84.00 (83.70 to 84.70): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.00 (48.70 to 49.70): VU0

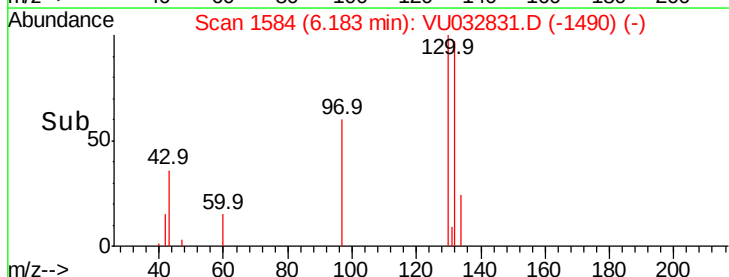
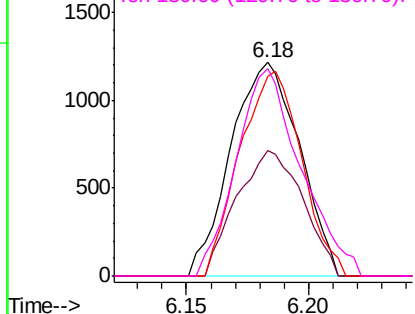


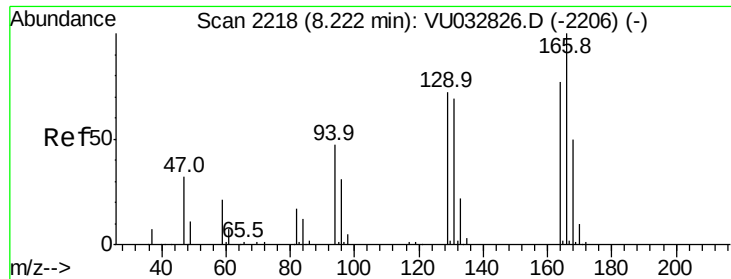
#34  
Trichloroethene  
Concen: 1.388 ug/L  
RT: 6.18 min Scan# 1584  
Delta R.T. 0.00 min  
Lab File: VU032831.D  
Acq: 18 Jun 2019 17:53

Tgt Ion: 95 Resp: 2371  
Ion Ratio Lower Upper  
95 100  
97 58.7 45.9 85.3  
132 93.8 68.5 127.3  
130 97.1 70.8 131.4



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





#46

Tetrachloroethene

Concen: 5.476 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032831.D

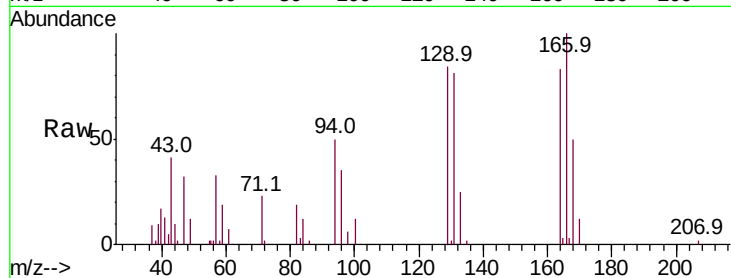
Acq: 18 Jun 2019 17:53

Instrument :

MSVOA\_U

ClientSampleId :

C0JT3



Tot Ion:164 Resp: 7667

Ion Ratio Lower Upper

164 100

129 100.8 64.8 120.3

131 97.2 64.5 119.7

166 120.4 91.3 169.6

