

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\  
 Data File : VU032507.D  
 Acq On : 06 Jun 2019 19:14  
 Operator : JC/SP  
 Sample : K3213-17  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB8K8

Quant Time: Jun 07 06:33:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 07 05:48:54 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 216362   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 200739   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 100852   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 47956    | 34.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 68.32%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 43969    | 38.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 77.96%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 78198    | 28.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 56.90%# |
| 21) 2-Butanone-d5              | 4.17    | 46    | 114849   | 97.77    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.77%  |
| 24) Chloroform-d               | 4.64    | 84    | 114452   | 43.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.44%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 77458    | 46.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.94%  |
| 32) Benzene-d6                 | 5.33    | 84    | 241923   | 46.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.84%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 78024    | 47.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.50%  |
| 41) Toluene-d8                 | 7.56    | 98    | 230437   | 46.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.26%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 35875    | 45.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.74%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 74915    | 94.51    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.51%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 113834   | 48.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.16%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 97974    | 50.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.44% |

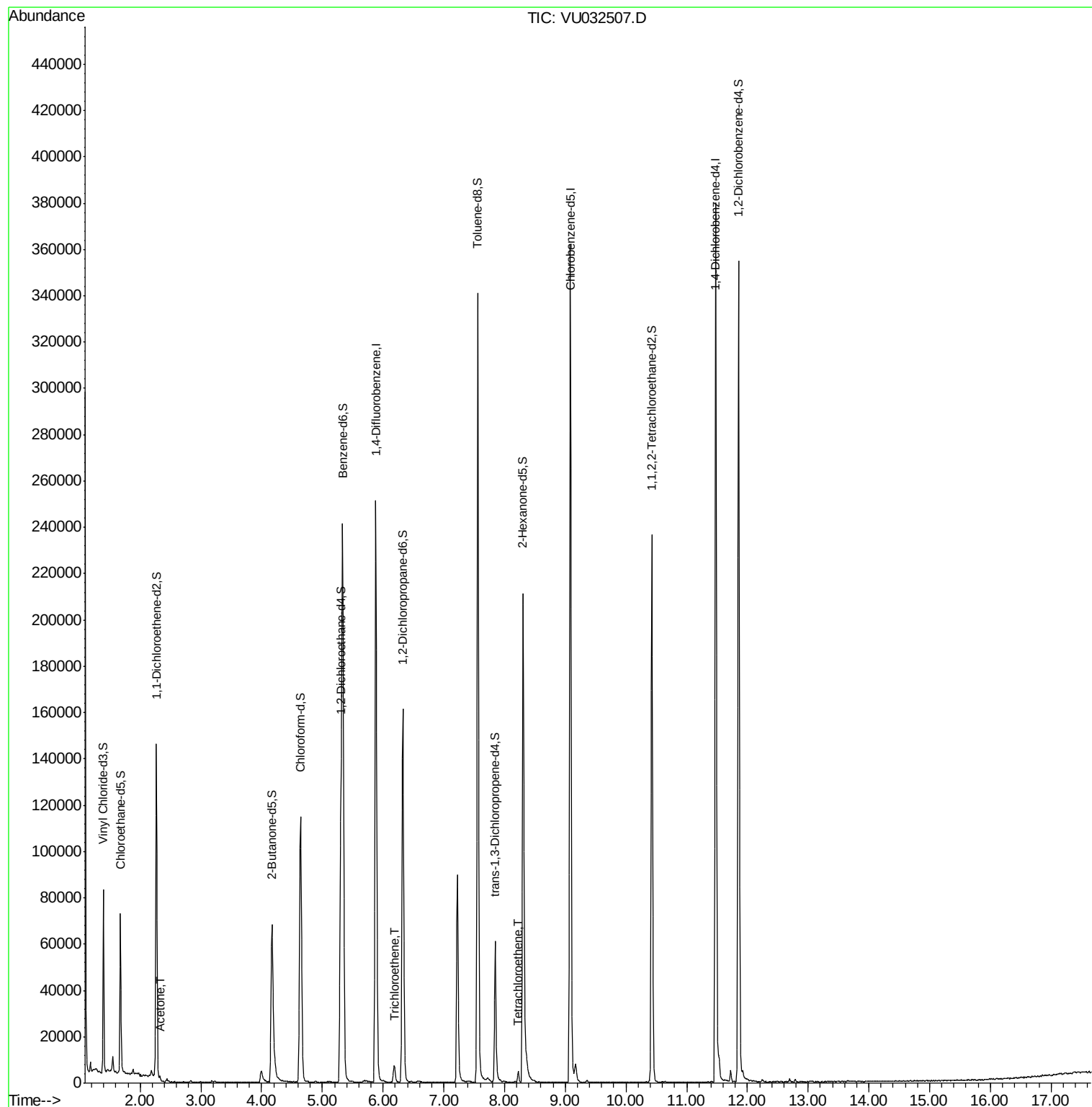
| Target Compounds      |      |     |      |            | Ovalue |
|-----------------------|------|-----|------|------------|--------|
| 13) Acetone           | 2.32 | 43  | 1543 | 1.273 ug/L | 70     |
| 34) Trichloroethene   | 6.19 | 95  | 1998 | 1.302 ug/L | 90     |
| 46) Tetrachloroethene | 8.22 | 164 | 1211 | 0.956 ug/L | 95     |

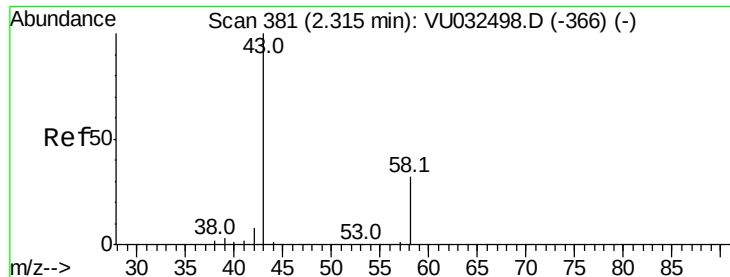
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.273 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VU032507.D

Acq: 06 Jun 2019 19:14

Instrument :

MSVOA\_U

ClientSampleId :

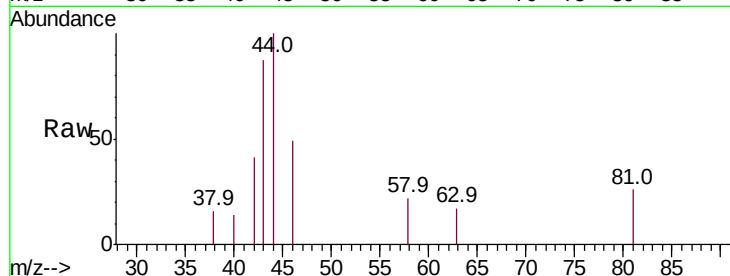
DB8K8

Tot Ion: 43 Resp: 1543

Ion Ratio Lower Upper

43 100

58 15.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032498.D (-366) (-)

Ion 58.00 (57.70 to 58.70): VU032498.D (-366) (-)

2.32

600

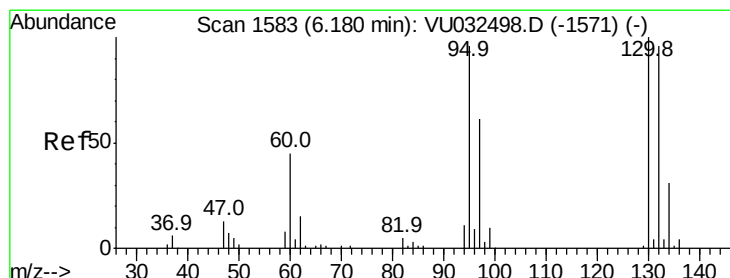
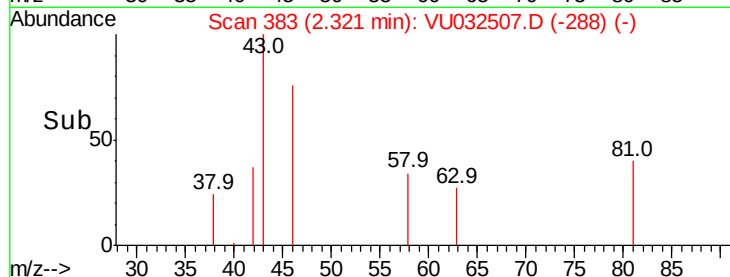
400

200

0

2.25 2.30 2.35

Time-->



#34

Trichloroethene

Concen: 1.302 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VU032507.D

Acq: 06 Jun 2019 19:14

Tgt Ion: 95 Resp: 1998

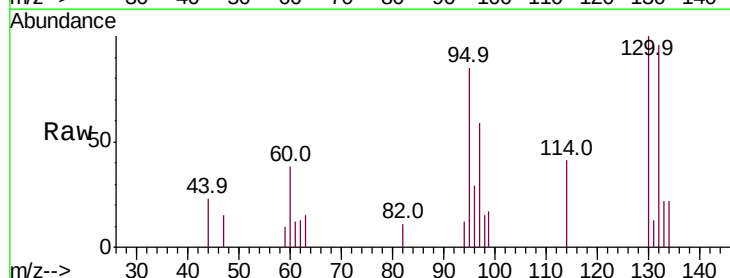
Ion Ratio Lower Upper

95 100

97 69.0 45.8 85.2

132 112.9 71.0 131.8

130 117.2 73.4 136.2



Abundance Ion 95.00 (94.70 to 95.70): VU032498.D (-1571) (-)

Ion 97.00 (96.70 to 97.70): VU032498.D (-1571) (-)

Ion 132.00 (131.70 to 132.70): VU032498.D (-1571) (-)

Ion 130.00 (129.70 to 130.70): VU032498.D (-1571) (-)

1500

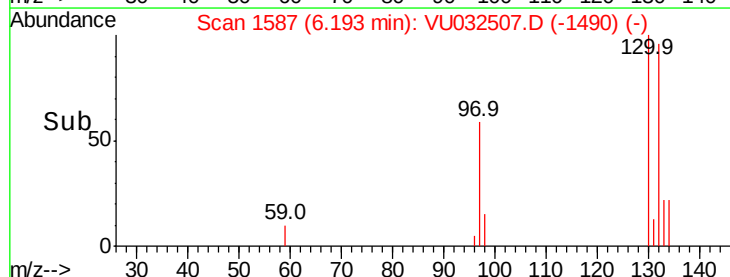
1000

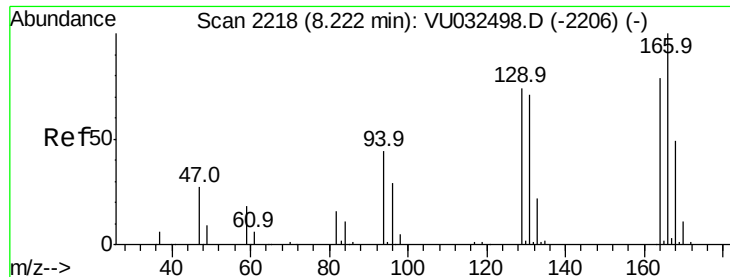
500

0

6.15 6.20 6.25

Time-->





#46

Tetrachloroethene

Concen: 0.956 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032507.D

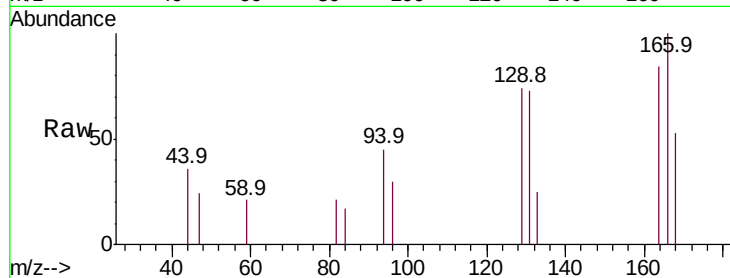
Acq: 06 Jun 2019 19:14

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Tot Ion:164 Resp: 1211

Ion Ratio Lower Upper

164 100

129 88.7 65.3 121.3

131 87.4 64.0 119.0

166 119.2 88.8 165.0

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

