

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\  
 Data File : VU030362.D  
 Acq On : 24 Mar 2019 11:53  
 Operator : JC/SP  
 Sample : K2083-07  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF1A9

Quant Time: Mar 25 03:53:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Mar 25 03:20:51 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 438687   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 412054   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 163211   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 175667   | 49.76    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 99.52% |
| 7) Chloroethane-d5             | 1.68    | 69    | 135114   | 48.28    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.56% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 236202   | 35.27    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.54% |
| 21) 2-Butanone-d5              | 4.17    | 46    | 262092   | 78.97    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 78.97% |
| 24) Chloroform-d               | 4.64    | 84    | 266269   | 43.77    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.54% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 174938   | 43.95    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.90% |
| 32) Benzene-d6                 | 5.34    | 84    | 561589   | 47.53    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.06% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 193467   | 47.85    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.70% |
| 41) Toluene-d8                 | 7.56    | 98    | 480709   | 45.30    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.60% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 81382    | 42.81    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.62% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 182032   | 83.09    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 83.09% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 244222   | 42.21    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 84.42% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 152295   | 46.57    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.14% |

## Target Compounds

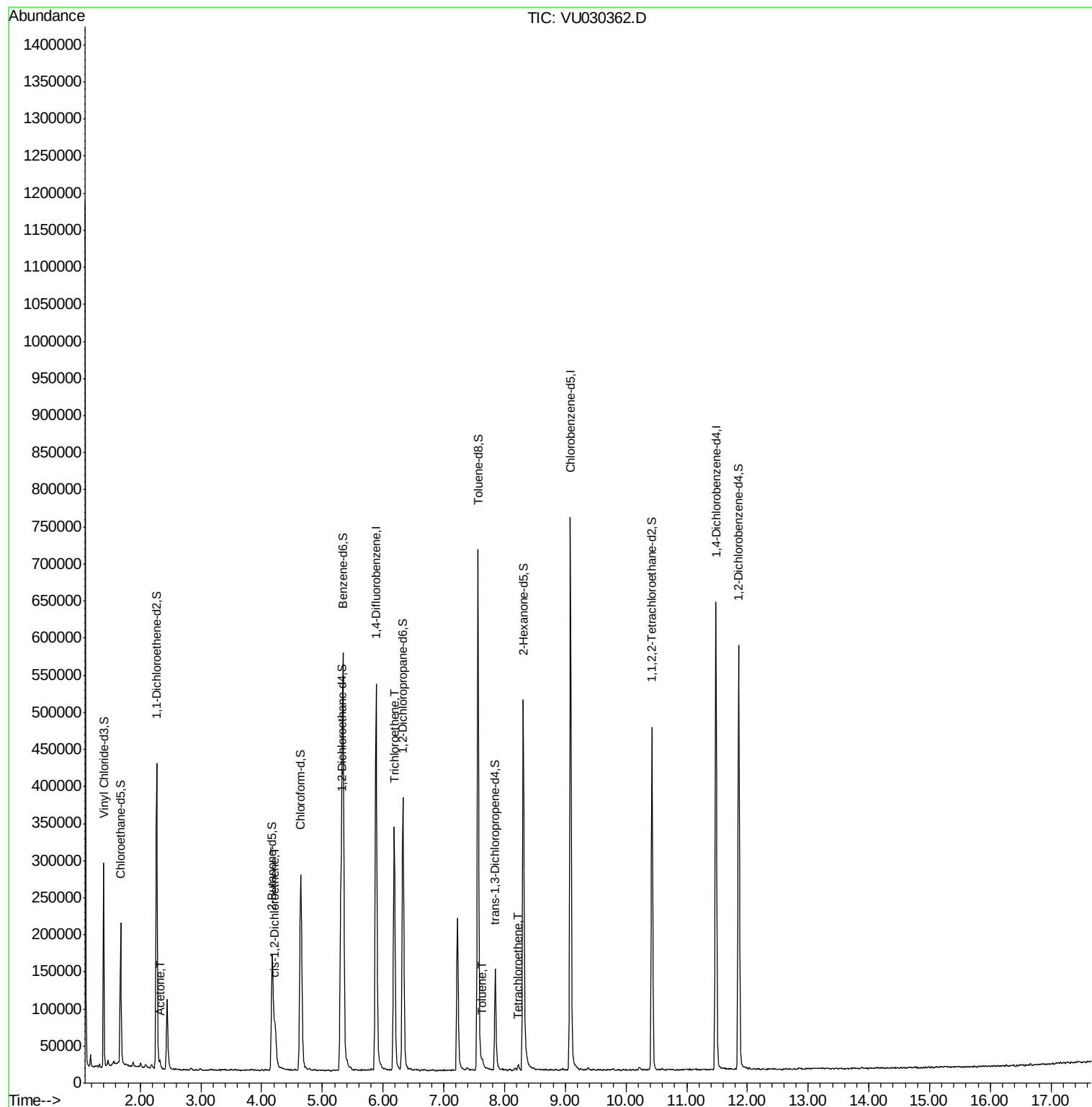
|                            |      |     |        |             | Ovalue |
|----------------------------|------|-----|--------|-------------|--------|
| 13) Acetone                | 2.32 | 43  | 7775   | 2.317 ug/L  | 91     |
| 20) cis-1,2-Dichloroethene | 4.22 | 96  | 23764  | 6.435 ug/L  | 95     |
| 34) Trichloroethene        | 6.18 | 95  | 122297 | 35.467 ug/L | 99     |
| 42) Toluene                | 7.64 | 91  | 5431   | 0.373 ug/L  | 96     |
| 46) Tetrachloroethene      | 8.22 | 164 | 1720   | 0.714 ug/L  | 94     |

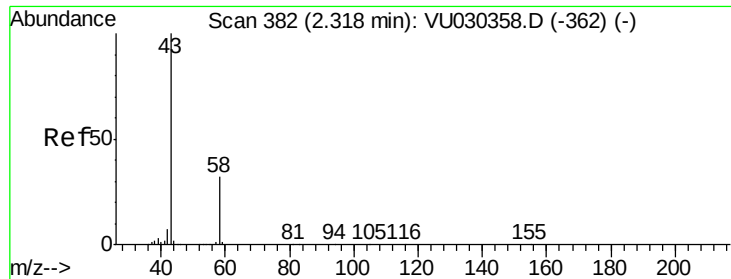
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.317 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030362.D

Acq: 24 Mar 2019 11:53

Instrument :

MSVOA\_U

ClientSampleId :

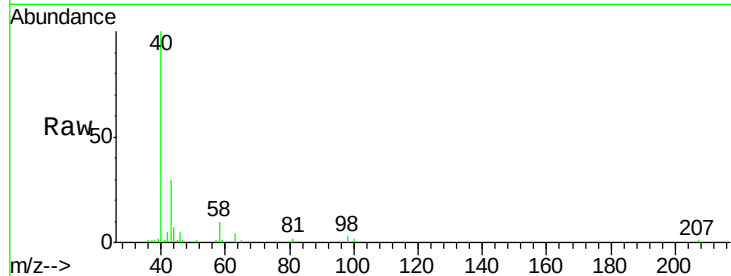
BF1A9

Tot Ion: 43 Resp: 7775

Ion Ratio Lower Upper

43 100

58 36.1 0.0 62.8

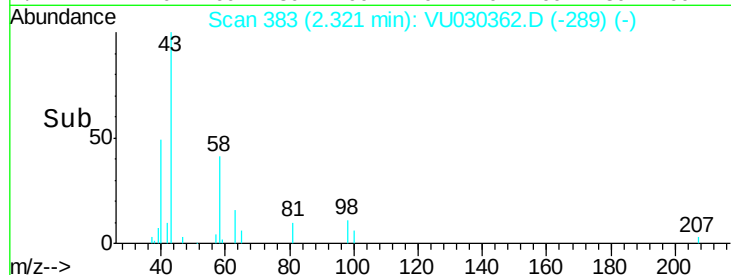


Abundance Ion 43.00 (42.70 to 43.70): VU030358.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030358.D (-362) (-)

2.32

Time-->



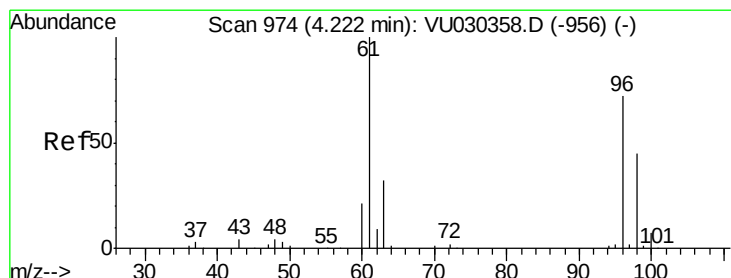
Abundance Ion 96.00 (95.70 to 96.70): VU030358.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU030358.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU030358.D (-956) (-)

4.22

Time-->



#20

cis-1,2-Dichloroethene

Concen: 6.435 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU030362.D

Acq: 24 Mar 2019 11:53

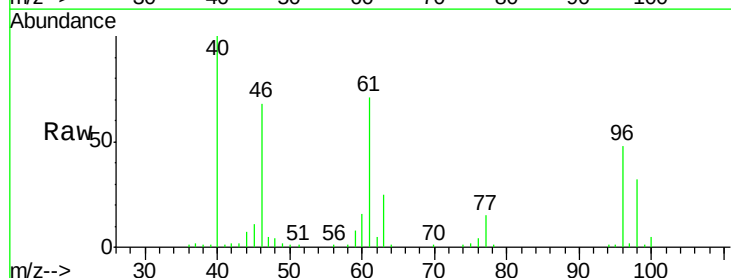
Tgt Ion: 96 Resp: 23764

Ion Ratio Lower Upper

96 100

61 147.0 98.4 182.8

68 0.0 0.0 0.0



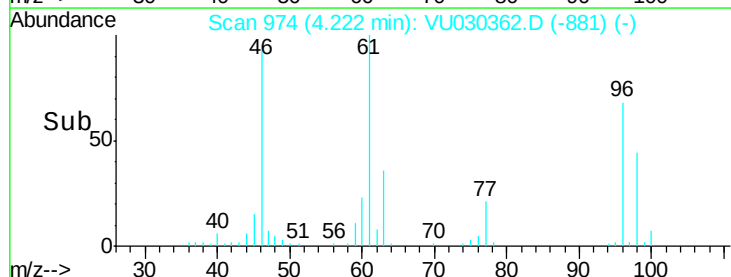
Abundance Ion 96.00 (95.70 to 96.70): VU030362.D (-881) (-)

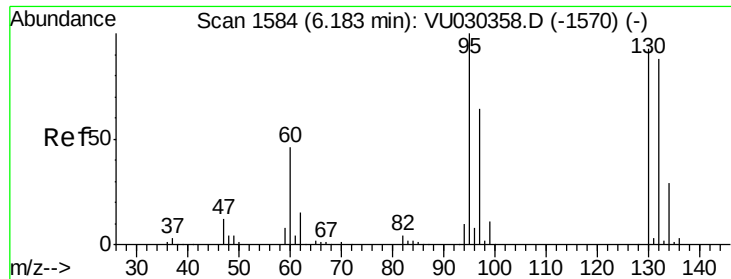
Ion 61.00 (60.70 to 61.70): VU030362.D (-881) (-)

Ion 68.00 (67.70 to 68.70): VU030362.D (-881) (-)

4.22

Time-->

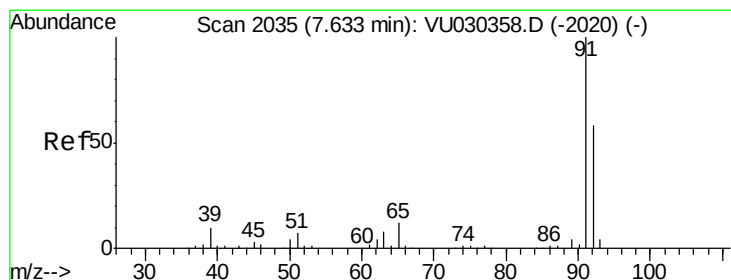
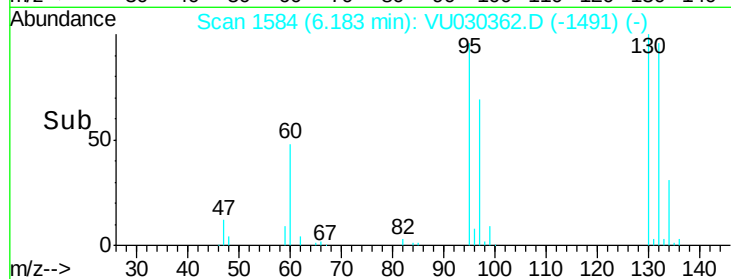
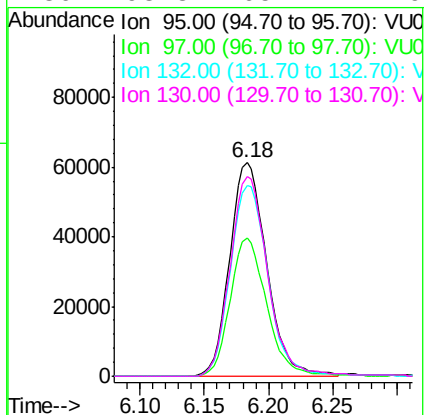
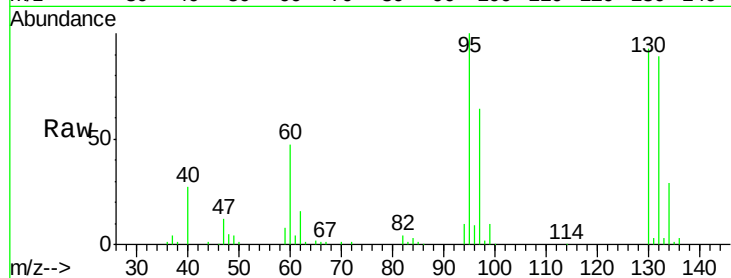




#34  
 Trichloroethene  
 Concen: 35.467 ug/L  
 RT: 6.18 min Scan# 1584  
 Delta R.T. 0.00 min  
 Lab File: VU030362.D  
 Acq: 24 Mar 2019 11:53

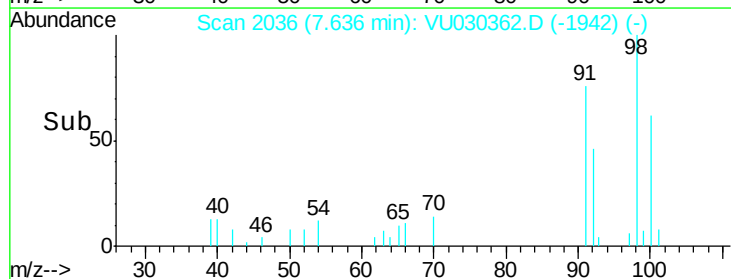
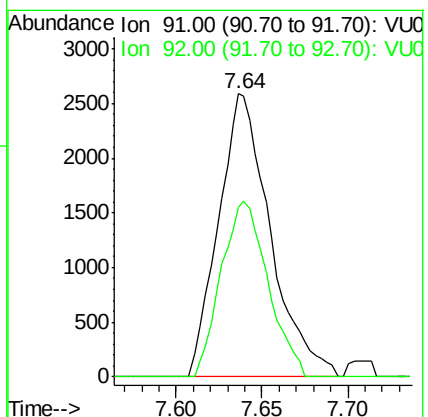
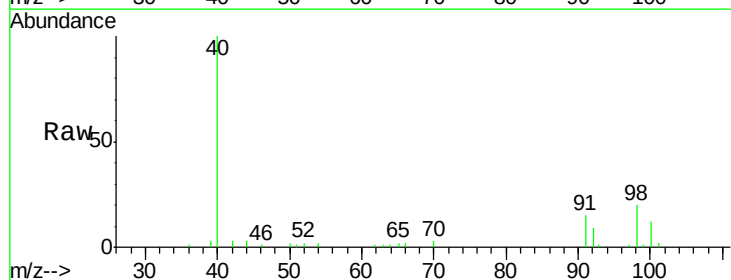
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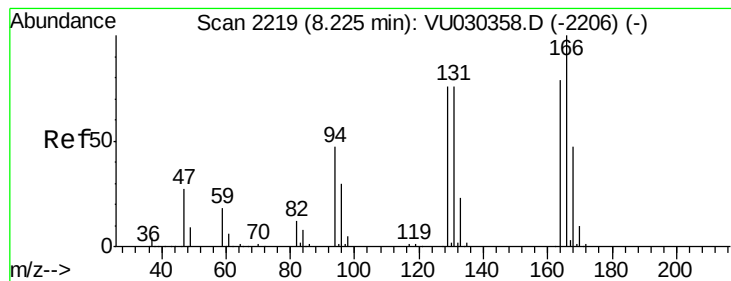
Tot Ion: 95 Resp: 122297  
 Ion Ratio Lower Upper  
 95 100  
 97 64.5 45.7 84.9  
 132 89.5 63.8 118.4  
 130 93.3 65.7 121.9



#42  
 Toluene  
 Concen: 0.373 ug/L  
 RT: 7.64 min Scan# 2036  
 Delta R.T. 0.00 min  
 Lab File: VU030362.D  
 Acq: 24 Mar 2019 11:53

Tgt Ion: 91 Resp: 5431  
 Ion Ratio Lower Upper  
 91 100  
 92 59.7 39.7 73.7





#46

Tetrachloroethene

Concen: 0.714 ug/L

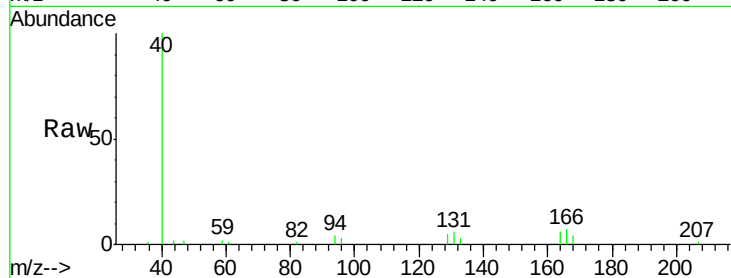
RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030362.D

Acq: 24 Mar 2019 11:53

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF1A9



Tot Ion:164 Resp: 1720

Ion Ratio Lower Upper

164 100

129 87.7 68.1 126.5

131 97.4 67.7 125.7

166 122.9 92.4 171.6

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

