

Data File : VU030173.D  
Acq On : 18 Mar 2019 14:53  
Operator : JC/SP  
Sample : K1967-08  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C09C0

Quant Time: Mar 19 02:28:48 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031319WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Mar 18 12:44:57 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 447502   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 438837   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 205328   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 122119   | 41.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 82.52%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 111410   | 46.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.26%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 170567   | 31.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.84%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 263916   | 119.00   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 119.00% |
| 24) Chloroform-d               | 4.65    | 84    | 266521   | 50.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.40% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 158355   | 51.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.24% |
| 32) Benzene-d6                 | 5.34    | 84    | 533568   | 47.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.46%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 179155   | 51.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.64% |
| 41) Toluene-d8                 | 7.56    | 98    | 466655   | 44.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.24%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 81067    | 48.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.82%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 212256   | 109.72   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 109.72% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 285552   | 53.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 107.50% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 206946   | 52.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.06% |

#### Target Compounds

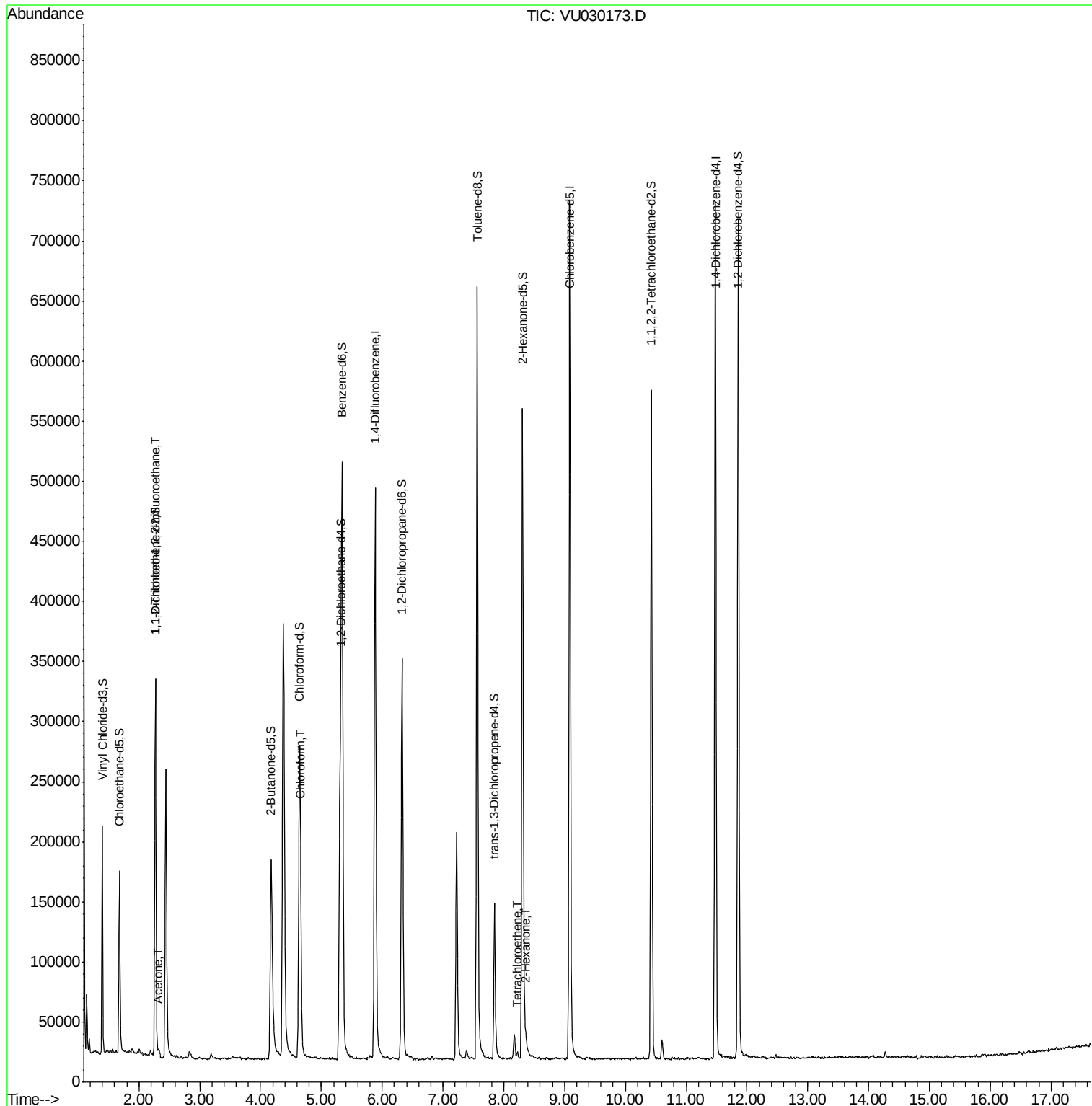
|                                |      |     |      |       | Qvalue |    |
|--------------------------------|------|-----|------|-------|--------|----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 1993 | 0.678 | ug/L # | 17 |
| 13) Acetone                    | 2.32 | 43  | 4346 | 1.676 | ug/L   | 88 |
| 25) Chloroform                 | 4.67 | 83  | 3988 | 0.725 | ug/L   | 77 |
| 46) Tetrachloroethene          | 8.22 | 164 | 1434 | 0.498 | ug/L # | 76 |
| 48) 2-Hexanone                 | 8.36 | 43  | 3925 | 1.032 | ug/L # | 85 |

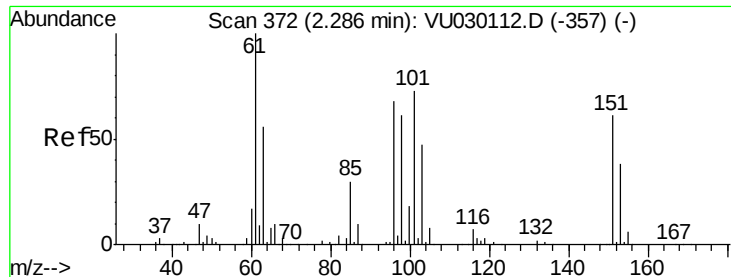
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.678 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030173.D

Acq: 18 Mar 2019 14:53

Instrument :

MSVOA\_U

ClientSampleId :

C09C0

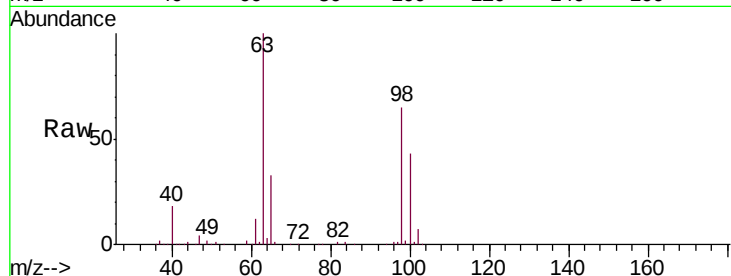
Tgt Ion:101 Resp: 1993

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.4#

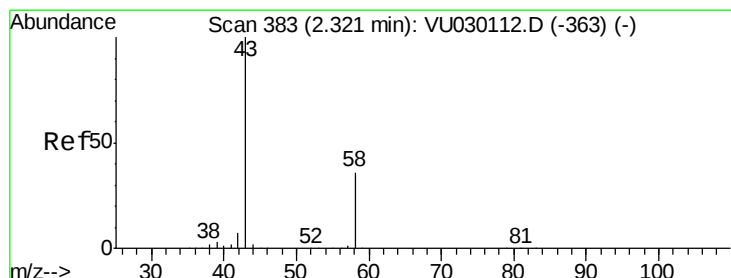
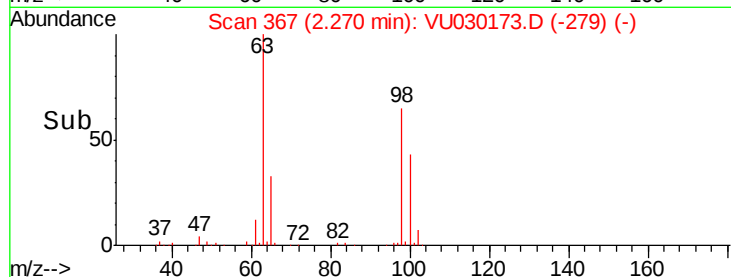
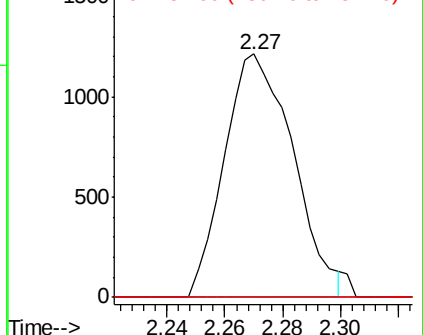
151 0.0 66.1 99.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1.676 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VU030173.D

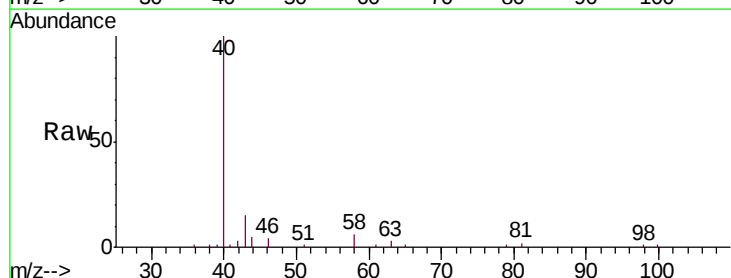
Acq: 18 Mar 2019 14:53

Tgt Ion: 43 Resp: 4346

Ion Ratio Lower Upper

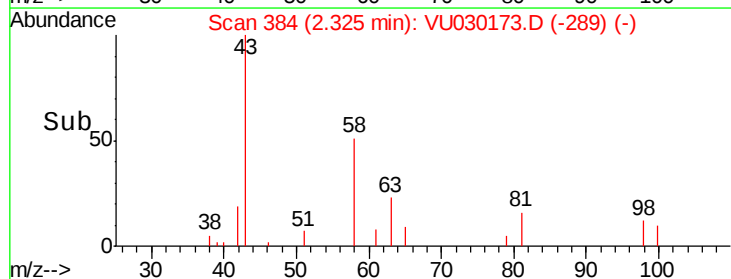
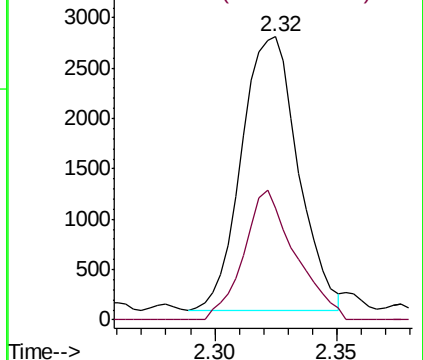
43 100

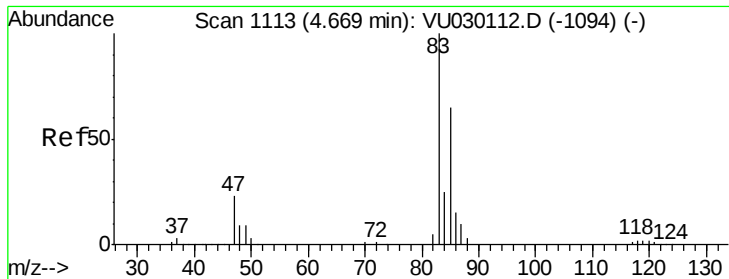
58 43.3 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

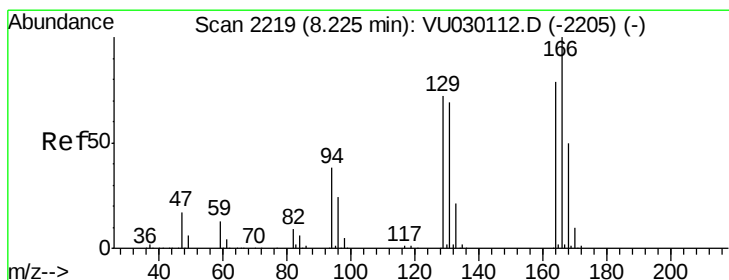
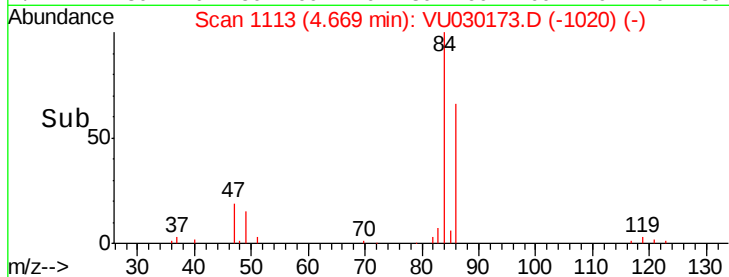
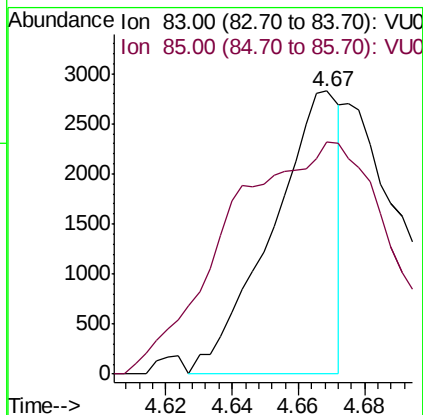
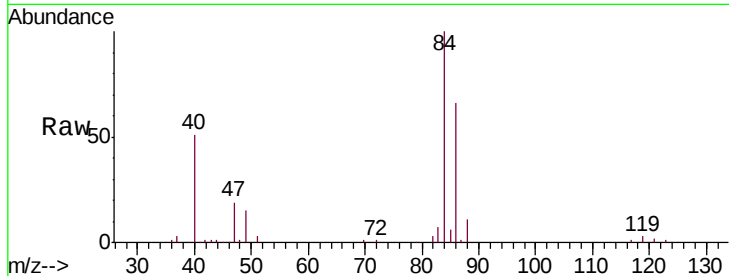




#25  
Chloroform  
Concen: 0.725 ug/L  
RT: 4.67 min Scan# 1113  
Delta R.T. 0.00 min  
Lab File: VU030173.D  
Acq: 18 Mar 2019 14:53

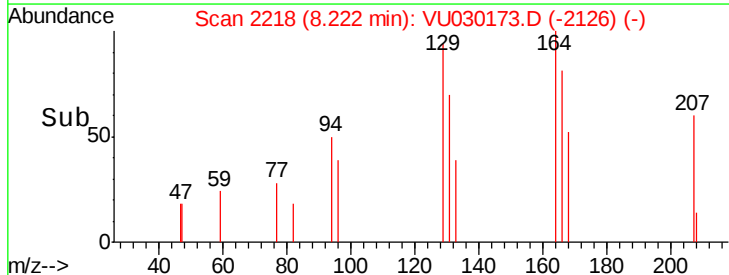
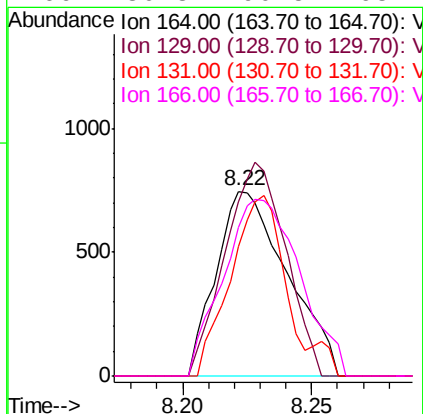
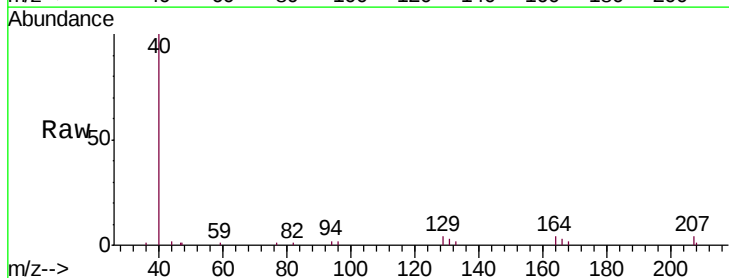
Instrument :  
MSVOA\_U  
ClientSampled :  
C09C0

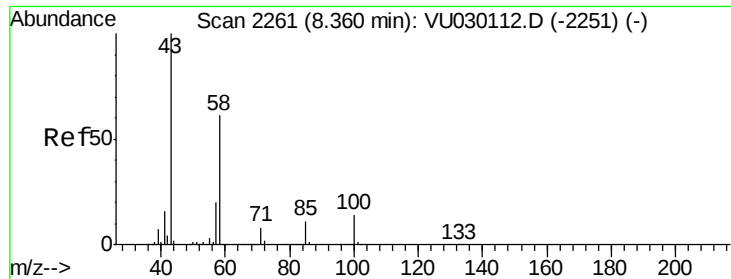
Tgt Ion: 83 Resp: 3988  
Ion Ratio Lower Upper  
83 100  
85 82.1 44.9 83.5



#46  
Tetrachloroethene  
Concen: 0.498 ug/L  
RT: 8.22 min Scan# 2218  
Delta R.T. -0.00 min  
Lab File: VU030173.D  
Acq: 18 Mar 2019 14:53

Tgt Ion: 164 Resp: 1434  
Ion Ratio Lower Upper  
164 100  
129 94.4 63.3 117.7  
131 70.5 62.0 115.2  
166 80.8 90.5 168.1#





#48  
 2-Hexanone  
 Concen: 1.032 ug/L  
 RT: 8.36 min Scan# 2262  
 Delta R.T. 0.00 min  
 Lab File: VU030173.D  
 Acq: 18 Mar 2019 14:53

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C09C0

Tgt Ion: 43 Resp: 3925  
 Ion Ratio Lower Upper  
 43 100  
 58 65.2 48.6 72.8  
 57 3.0 16.1 24.1#  
 100 4.4 11.6 17.4#

