

Data File : VU031414.D  
Acq On : 23 Apr 2019 00:48  
Operator : JC/SP  
Sample : K2477-07  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0XC6

Quant Time: Apr 23 04:08:04 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042319WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 23 04:02:06 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 681443   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 604282   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 251221   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 281478   | 50.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 101.96% |
| 7) Chloroethane-d5             | 1.68    | 69    | 226804   | 53.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 107.90% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 391969   | 40.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 81.62%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 445250   | 107.86   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.86% |
| 24) Chloroform-d               | 4.64    | 84    | 448919   | 51.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.04% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 281028   | 53.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.64% |
| 32) Benzene-d6                 | 5.34    | 84    | 977281   | 55.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 111.96% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 315877   | 56.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 112.46% |
| 41) Toluene-d8                 | 7.56    | 98    | 854068   | 54.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 109.56% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 131457   | 51.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 102.72% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 321265   | 114.15   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 114.15% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 390452   | 51.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.48% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 277716   | 54.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.16% |

#### Target Compounds

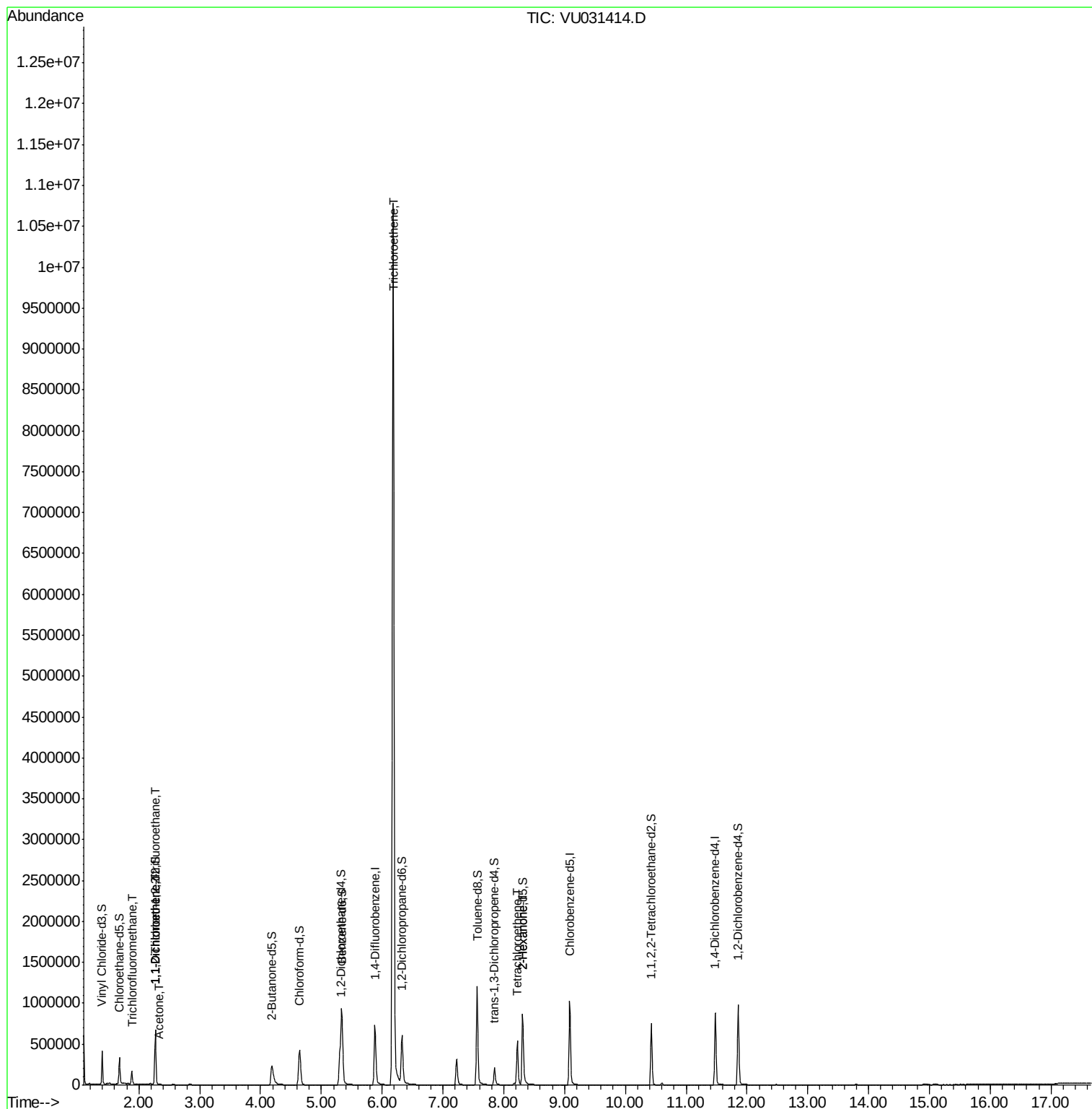
|                                |      |     |         |              | Qvalue |
|--------------------------------|------|-----|---------|--------------|--------|
| 9) Trichlorofluoromethane      | 1.88 | 101 | 93229   | 12.816 ug/L  | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 4537    | 1.075 ug/L # | 20     |
| 12) 1,1-Dichloroethene         | 2.27 | 96  | 3239    | 0.780 ug/L # | 1      |
| 13) Acetone                    | 2.34 | 43  | 9087    | 2.804 ug/L   | 99     |
| 34) Trichloroethene            | 6.18 | 95  | 4003376 | 864.404 ug/L | 99     |
| 46) Tetrachloroethene          | 8.22 | 164 | 132124  | 40.224 ug/L  | 96     |
| 48) 2-Hexanone                 | 8.31 | 43  | 36756   | 6.655 ug/L # | 71     |

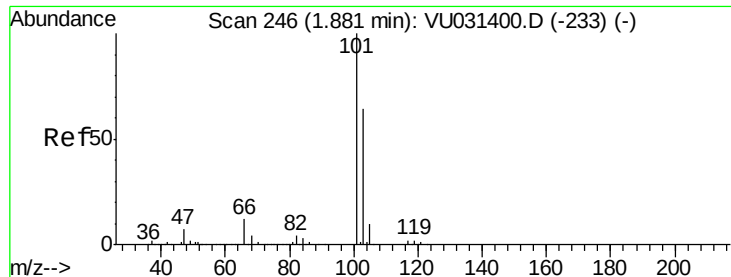
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU031414.D  
Acq On : 23 Apr 2019 00:48  
Operator : JC/SP  
Sample : K2477-07  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0XC6

Quant Time: Apr 23 04:08:04 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042319WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 23 04:02:06 2019  
Response via : Initial Calibration



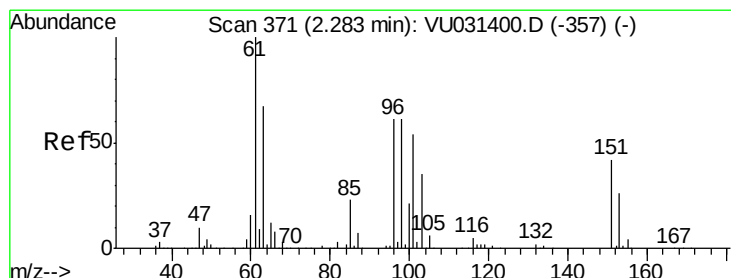
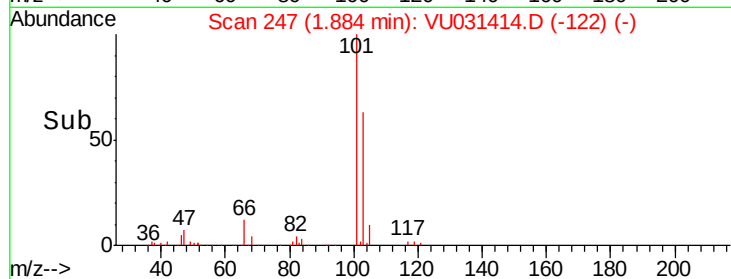
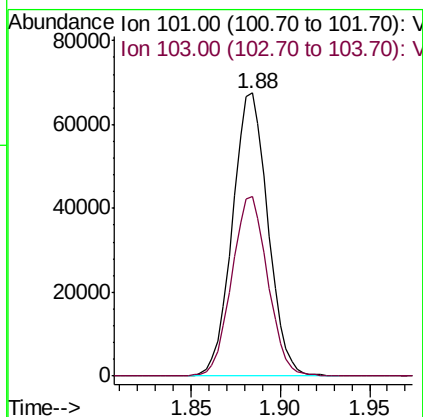
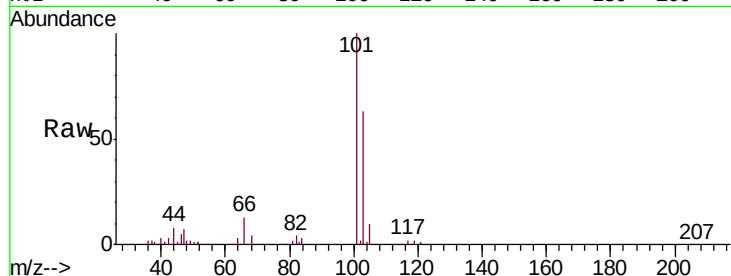


#9

Trichlorofluoromethane  
 Concen: 12.816 ug/L  
 RT: 1.88 min Scan# 247  
 Delta R.T. 0.00 min  
 Lab File: VU031414.D  
 Acq: 23 Apr 2019 00:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0XC6

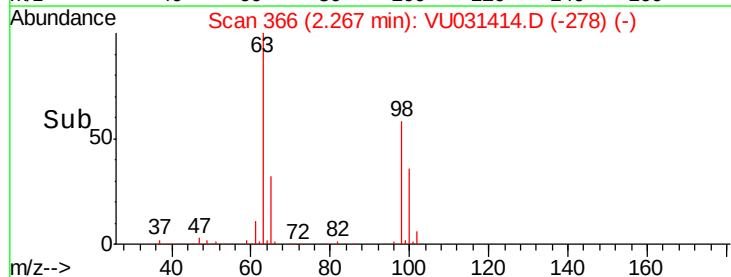
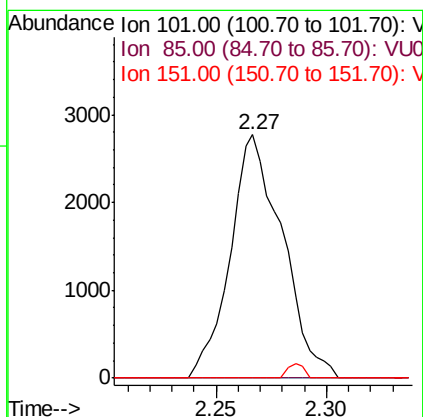
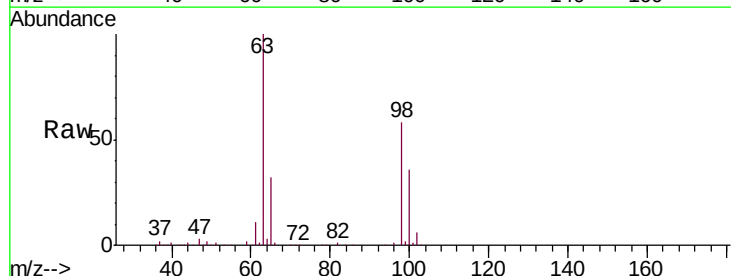
Tgt Ion:101 Resp: 93229  
 Ion Ratio Lower Upper  
 101 100  
 103 64.5 51.4 77.2

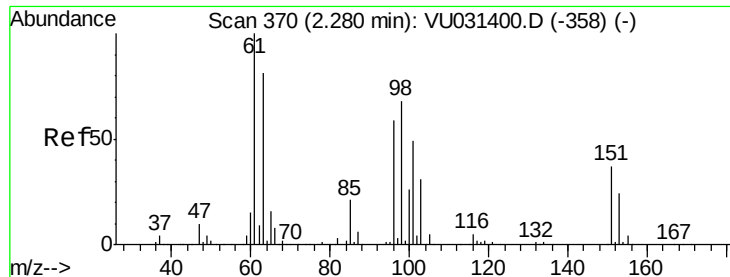


#10

1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.075 ug/L  
 RT: 2.27 min Scan# 366  
 Delta R.T. -0.02 min  
 Lab File: VU031414.D  
 Acq: 23 Apr 2019 00:48

Tgt Ion:101 Resp: 4537  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 33.1 49.7#  
 151 1.8 61.4 92.0#

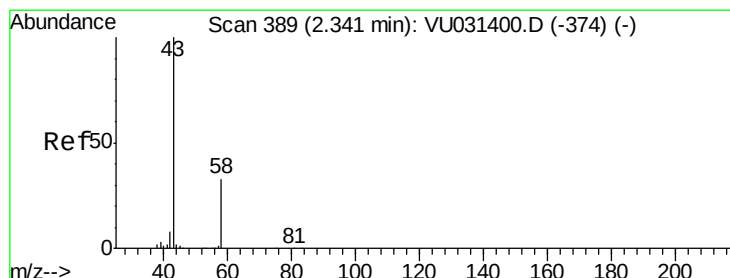
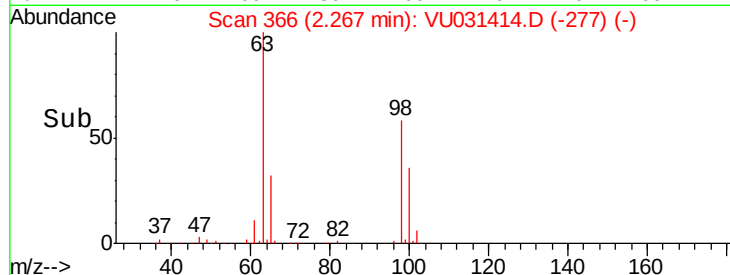
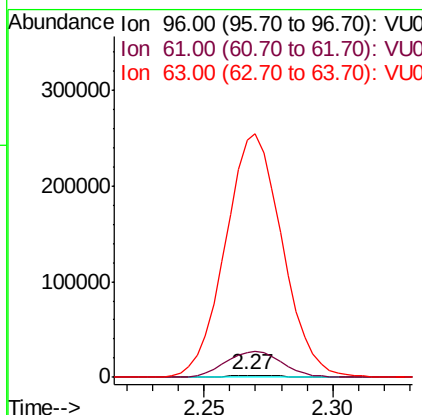
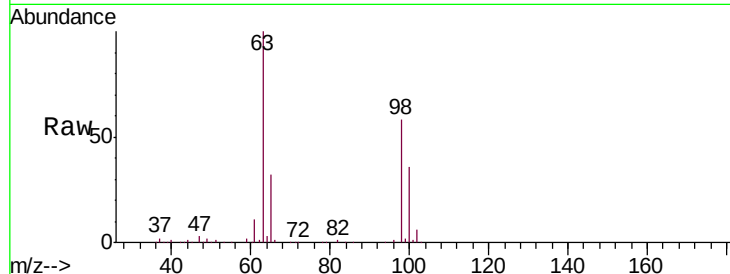




#12  
 1,1-Dichloroethene  
 Concen: 0.780 ug/L  
 RT: 2.27 min Scan# 366  
 Delta R.T. -0.01 min  
 Lab File: VU031414.D  
 Acq: 23 Apr 2019 00:48

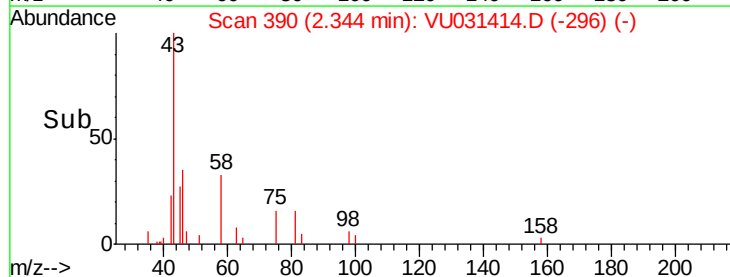
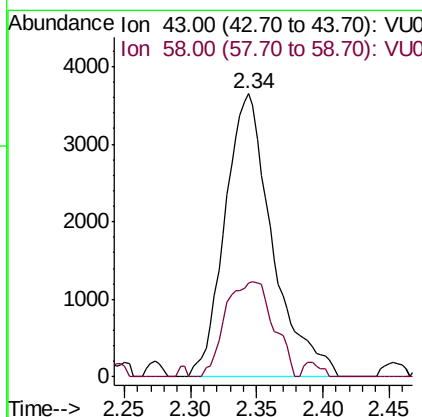
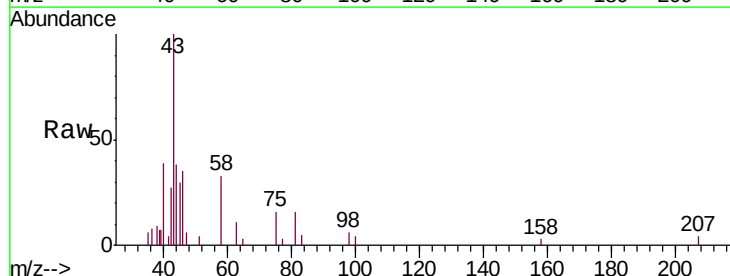
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0XC6

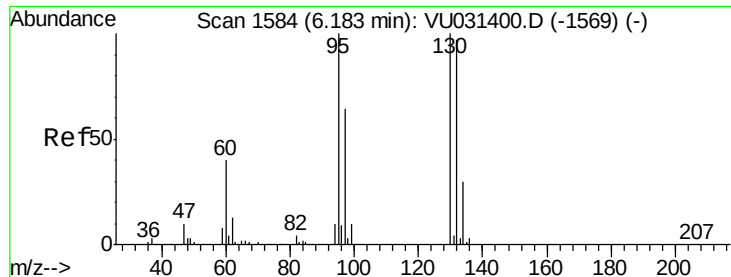
Tgt Ion: 96 Resp: 3239  
 Ion Ratio Lower Upper  
 96 100  
 61 1292.2 118.9 220.9#  
 63 12156.9 99.3 184.3#



#13  
 Acetone  
 Concen: 2.804 ug/L  
 RT: 2.34 min Scan# 390  
 Delta R.T. 0.00 min  
 Lab File: VU031414.D  
 Acq: 23 Apr 2019 00:48

Tgt Ion: 43 Resp: 9087  
 Ion Ratio Lower Upper  
 43 100  
 58 33.9 0.0 66.4





#34

Trichloroethene

Concen: 864.404 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031414.D

Acq: 23 Apr 2019 00:48

Instrument :

MSVOA\_U

ClientSampleId :

C0XC6

Tgt Ion: 95 Resp: 4003376

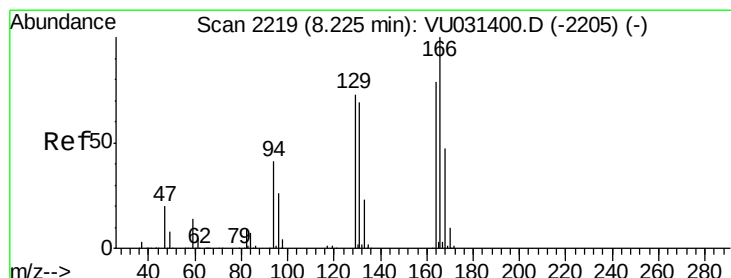
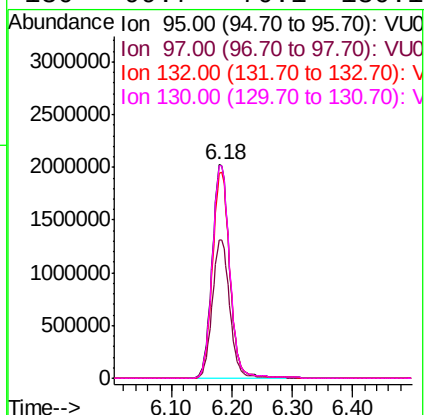
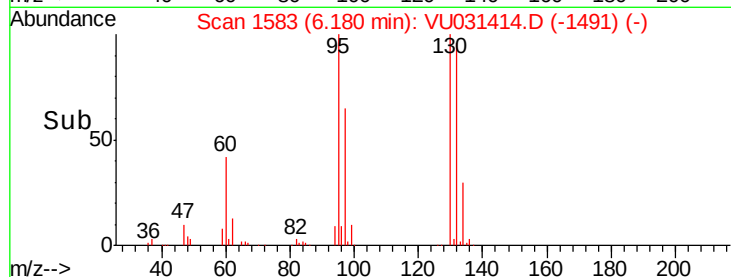
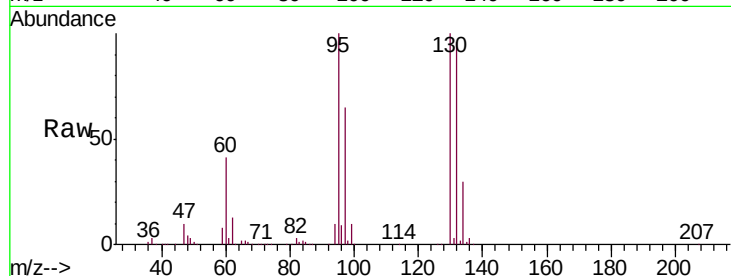
Ion Ratio Lower Upper

95 100

97 64.9 44.9 83.5

132 95.7 68.0 126.2

130 99.7 70.1 130.1



#46

Tetrachloroethene

Concen: 40.224 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU031414.D

Acq: 23 Apr 2019 00:48

Tgt Ion: 164 Resp: 132124

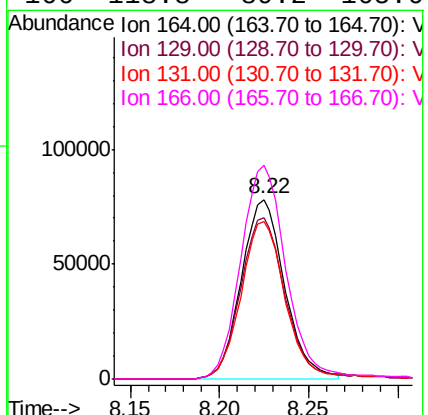
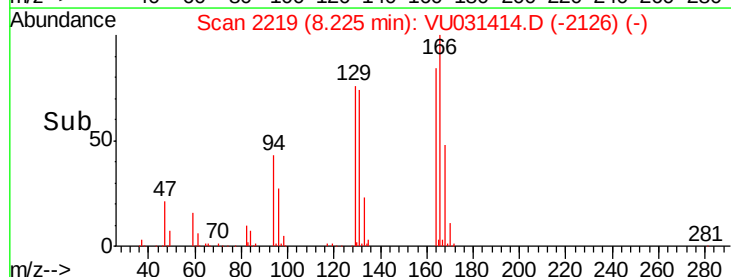
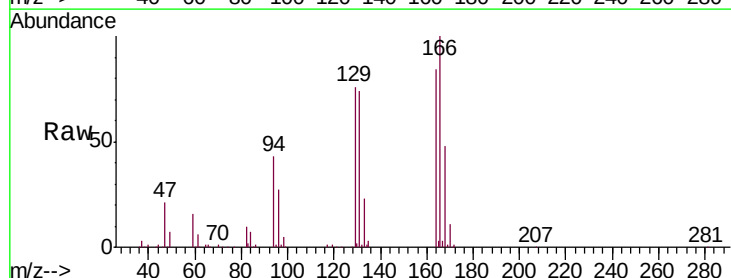
Ion Ratio Lower Upper

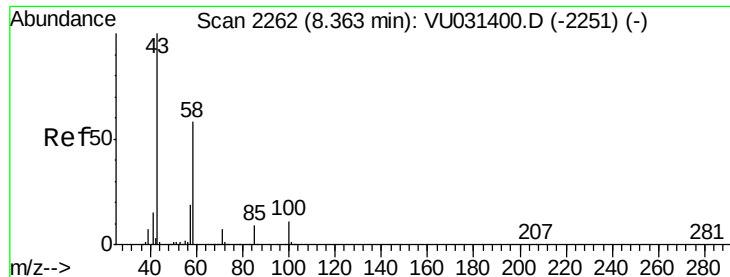
164 100

129 89.7 65.2 121.0

131 87.7 61.4 114.0

166 118.8 89.2 165.6





#48  
 2-Hexanone  
 Concen: 6.655 ug/L  
 RT: 8.31 min Scan# 2245  
 Delta R.T. -0.05 min  
 Lab File: VU031414.D  
 Acq: 23 Apr 2019 00:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0XC6

Tgt Ion: 43 Resp: 36756  
 Ion Ratio Lower Upper  
 43 100  
 58 31.1 45.5 68.3#  
 57 23.7 15.2 22.8#  
 100 0.3 9.1 13.7#

