

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\  
 Data File : VU030736.D  
 Acq On : 05 Apr 2019 12:23  
 Operator : JC/SP  
 Sample : K2271-14  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB7D5

Quant Time: Apr 05 23:46:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 05 23:39:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 459167   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 448503   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 186528   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 200422   | 48.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 97.80%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 161275   | 51.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 103.68% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 277475   | 37.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.86%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 349149   | 107.48   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.48% |
| 24) Chloroform-d               | 4.64    | 84    | 298453   | 47.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.34%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 218812   | 51.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.44% |
| 32) Benzene-d6                 | 5.33    | 84    | 651165   | 49.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.46%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 227385   | 50.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.36% |
| 41) Toluene-d8                 | 7.56    | 98    | 563135   | 48.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.04%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 99017    | 48.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.78%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 206635   | 100.76   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 100.76% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 300125   | 49.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.18%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 191847   | 52.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.60% |

## Target Compounds

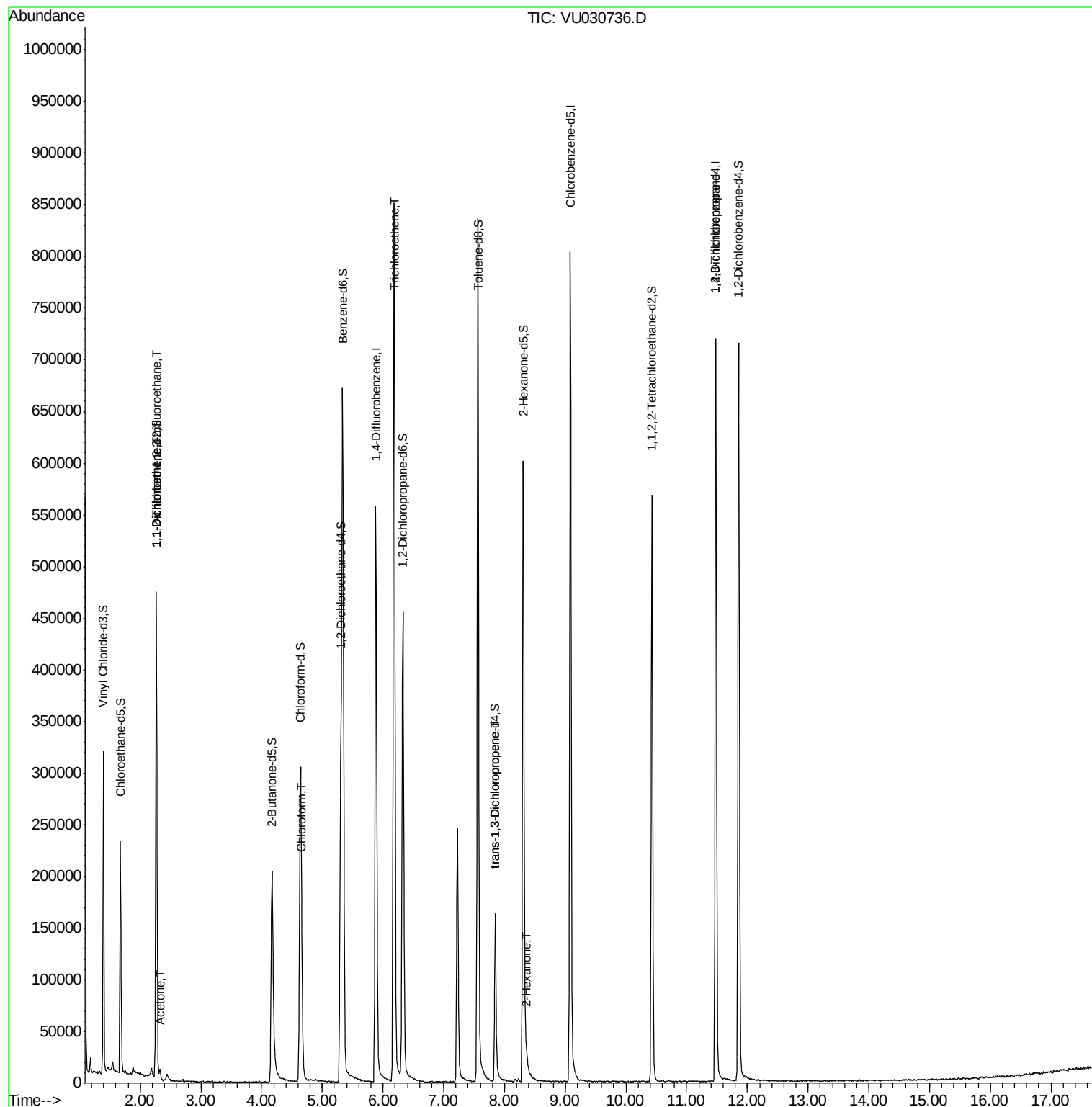
|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.26  | 101 | 2811   | 0.855 ug/L # | 20     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 1914   | 0.603 ug/L # | 1      |
| 13) Acetone                    | 2.32  | 43  | 6387   | 1.921 ug/L   | 62     |
| 25) Chloroform                 | 4.67  | 83  | 23272  | 3.329 ug/L   | 96     |
| 34) Trichloroethene            | 6.18  | 95  | 314148 | 87.269 ug/L  | 98     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 3945   | 0.757 ug/L # | 71     |
| 48) 2-Hexanone                 | 8.37  | 43  | 7800   | 1.496 ug/L # | 41     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 24307  | 4.883 ug/L   | 91     |

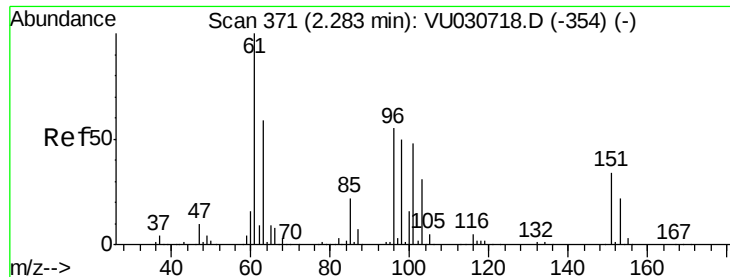
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Apr 05 23:39:17 2019  
Response via : Initial Calibration





#10

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

Concen: 0.855 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU030736.D

Acq: 05 Apr 2019 12:23

Instrument :

MSVOA\_U

ClientSampleId :

DB7D5

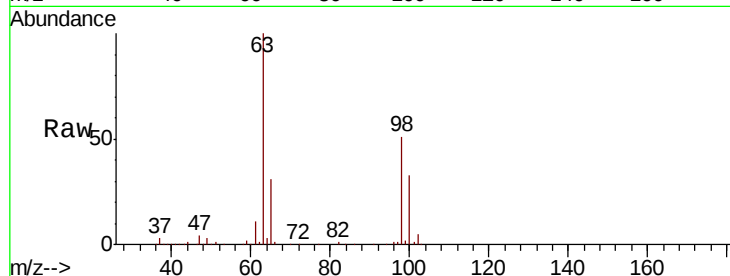
Tot Ion:101 Resp: 2811

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

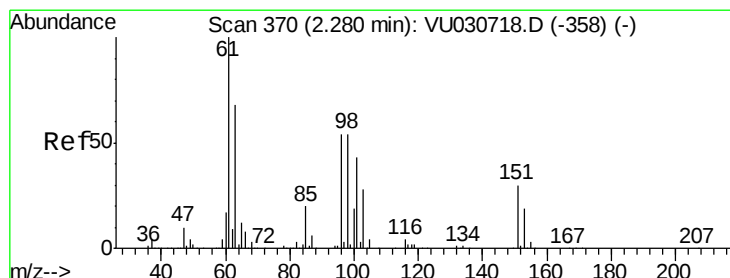
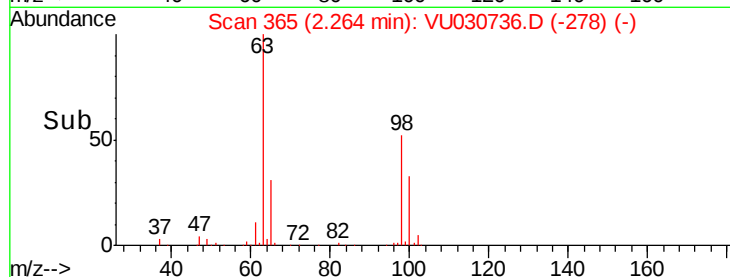
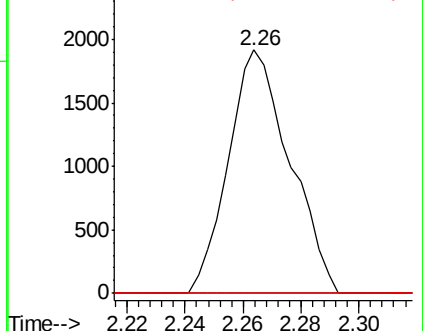
151 0.0 57.4 86.0#



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



#12

1,1-Dichloroethene

Concen: 0.603 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030736.D

Acq: 05 Apr 2019 12:23

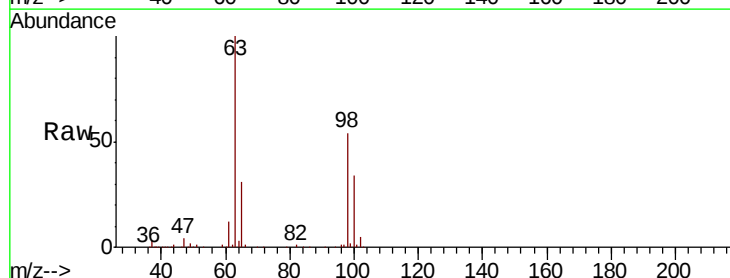
Tgt Ion: 96 Resp: 1914

Ion Ratio Lower Upper

96 100

61 1819.3 132.0 245.2#

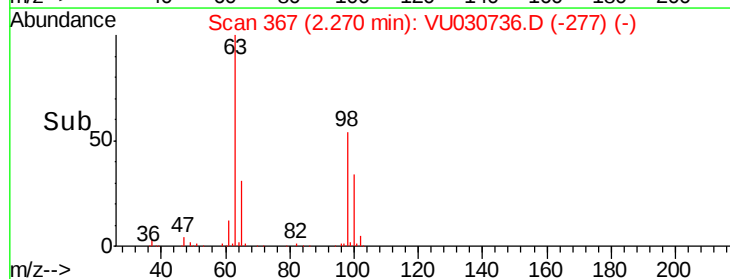
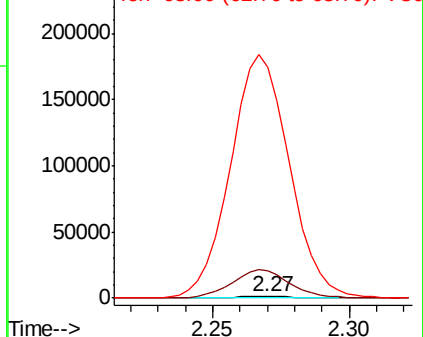
63 15577.1 90.9 168.9#

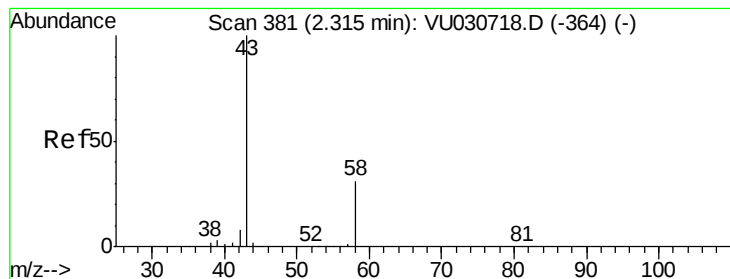


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.921 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VU030736.D

Acq: 05 Apr 2019 12:23

Instrument :

MSVOA\_U

ClientSampleId :

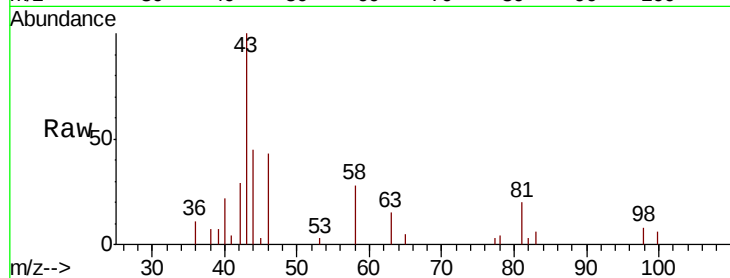
DB7D5

Tot Ion: 43 Resp: 6387

Ion Ratio Lower Upper

43 100

58 10.6 0.0 64.0

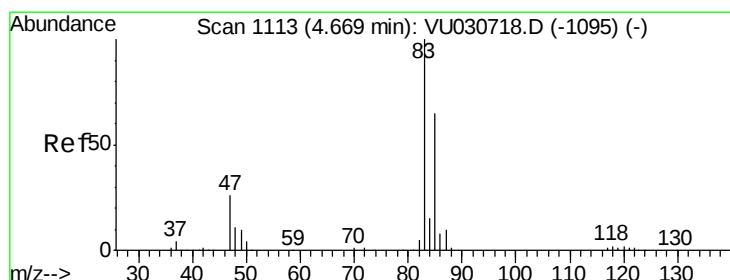
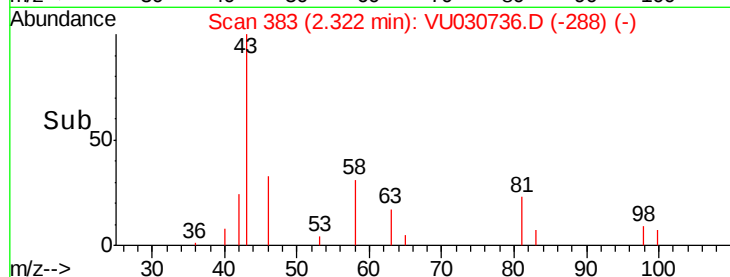


Abundance Ion 43.00 (42.70 to 43.70): VU030718.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU030718.D (-364) (-)

2.32

Time-->



#25

Chloroform

Concen: 3.329 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU030736.D

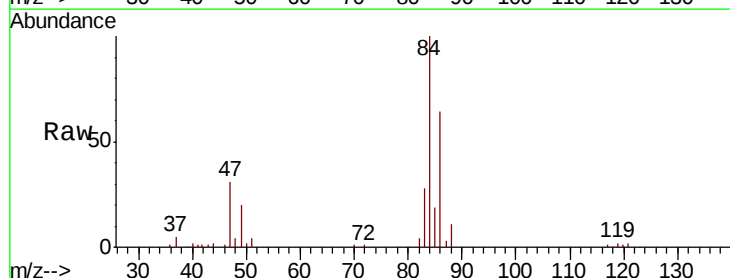
Acq: 05 Apr 2019 12:23

Tgt Ion: 83 Resp: 23272

Ion Ratio Lower Upper

83 100

85 68.8 45.8 85.0

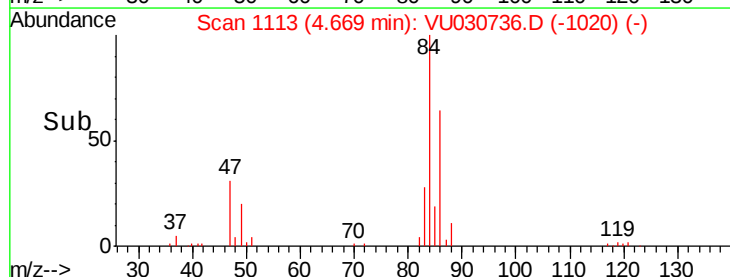


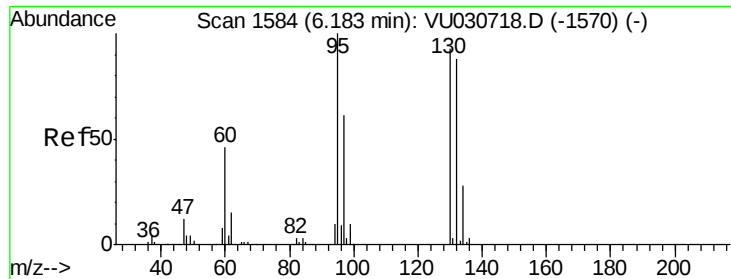
Abundance Ion 83.00 (82.70 to 83.70): VU030718.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU030718.D (-1095) (-)

4.67

Time-->





#34

Trichloroethene

Concen: 87.269 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030736.D

Acq: 05 Apr 2019 12:23

Instrument :

MSVOA\_U

ClientSampleId :

DB7D5

Tot Ion: 95 Resp: 314148

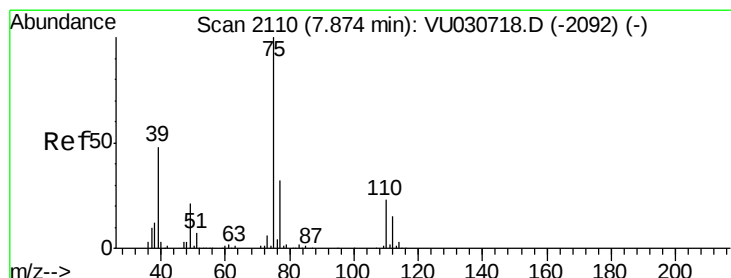
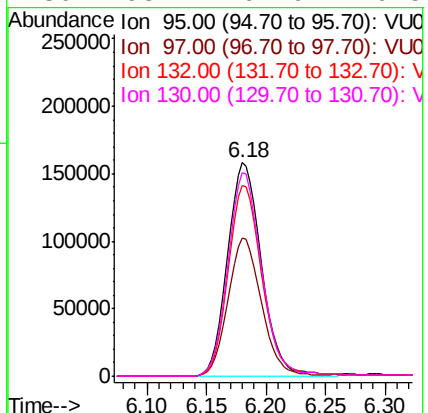
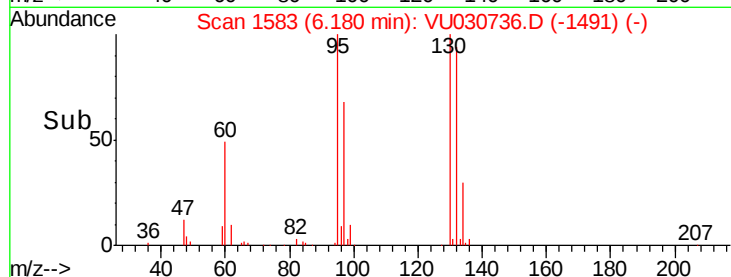
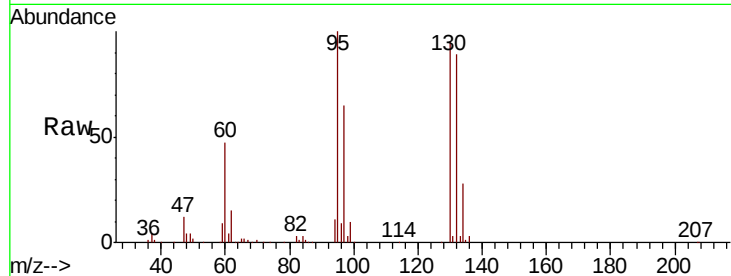
Ion Ratio Lower Upper

95 100

97 65.0 44.5 82.7

132 89.2 61.5 114.1

130 95.1 64.9 120.5



#44

trans-1,3-Dichloropropene

Concen: 0.757 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030736.D

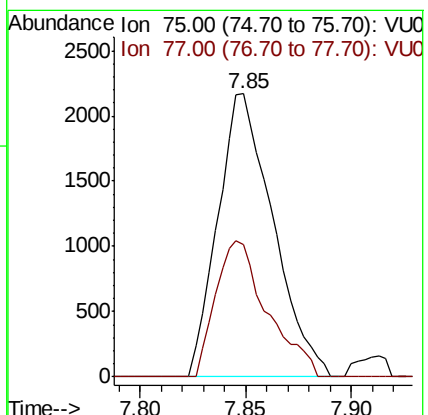
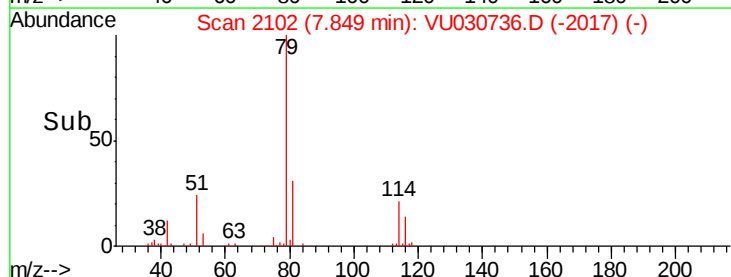
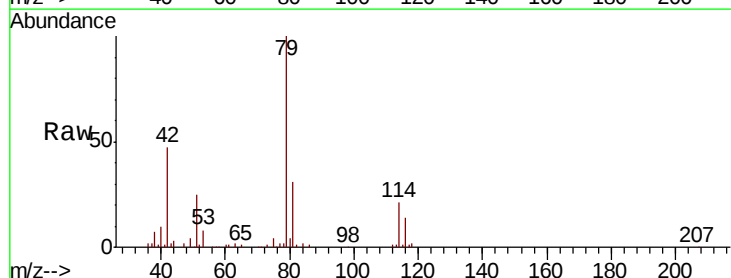
Acq: 05 Apr 2019 12:23

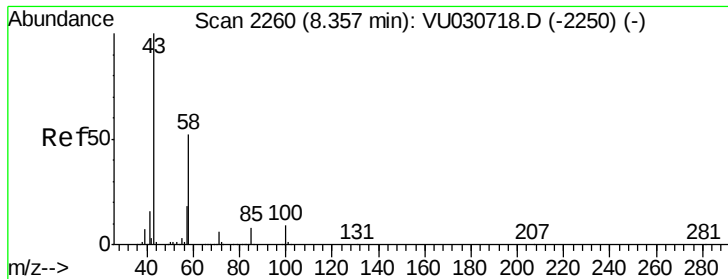
Tgt Ion: 75 Resp: 3945

Ion Ratio Lower Upper

75 100

77 46.7 21.6 40.0#

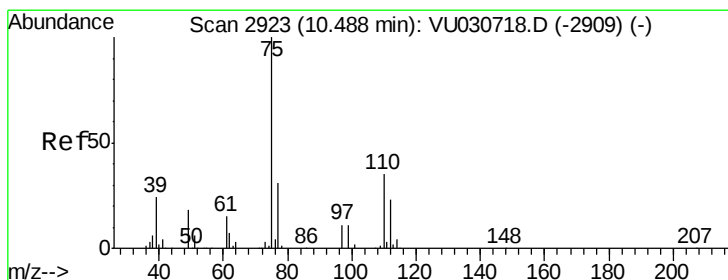
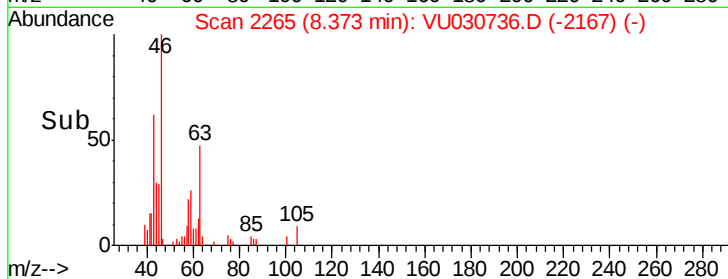
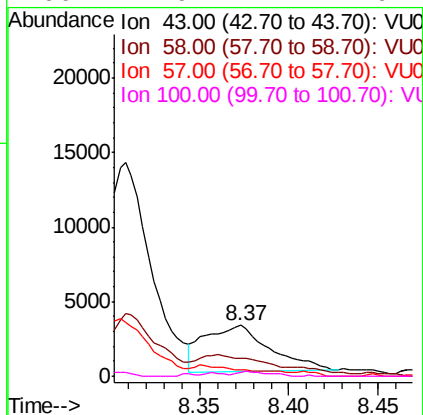
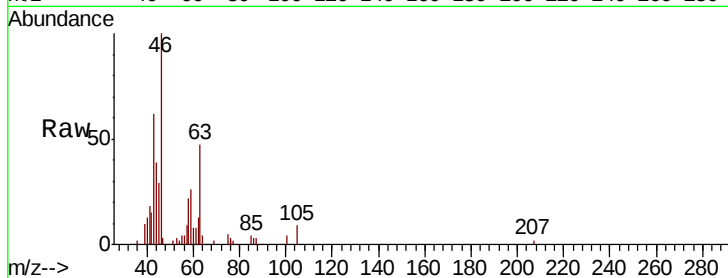




#48  
 2-Hexanone  
 Concen: 1.496 ug/L  
 RT: 8.37 min Scan# 2265  
 Delta R.T. 0.02 min  
 Lab File: VU030736.D  
 Acq: 05 Apr 2019 12:23

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB7D5

Tot Ion: 43 Resp: 7800  
 Ion Ratio Lower Upper  
 43 100  
 58 0.0 41.9 62.9#  
 57 3.2 14.3 21.5#  
 100 1.9 7.1 10.7#



#59  
 1,2,3-Trichloropropane  
 Concen: 4.883 ug/L  
 RT: 11.48 min Scan# 3231  
 Delta R.T. 0.99 min  
 Lab File: VU030736.D  
 Acq: 05 Apr 2019 12:23

Tgt Ion: 75 Resp: 24307  
 Ion Ratio Lower Upper  
 75 100  
 77 37.7 26.1 39.1

