

Data File : VU030596.D  
Acq On : 31 Mar 2019 17:34  
Operator : JC/SP  
Sample : K2166-13  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF0M3

Quant Time: Apr 01 02:11:36 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Apr 01 02:05:14 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 538189   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 541660   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 252926   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 292958   | 67.64    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 135.28%# |
| 7) Chloroethane-d5             | 1.64    | 69    | 228080   | 66.44    | ug/L | -0.03    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 132.88%# |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 467704   | 56.92    | ug/L | -0.04    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 113.84%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 661497   | 162.47   | ug/L | 0.02     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 162.47%# |
| 24) Chloroform-d               | 4.64    | 84    | 570471   | 76.44    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 152.88%# |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 403874   | 82.71    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 165.42%# |
| 32) Benzene-d6                 | 5.33    | 84    | 1200929  | 77.31    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 154.62%# |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 422904   | 79.57    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 159.14%# |
| 41) Toluene-d8                 | 7.56    | 98    | 1076143  | 77.14    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 154.28%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 195650   | 78.29    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 156.58%# |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 508736   | 176.65   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 176.65%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 673002   | 88.49    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 176.98%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 431123   | 85.07    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 170.14%# |

#### Target Compounds

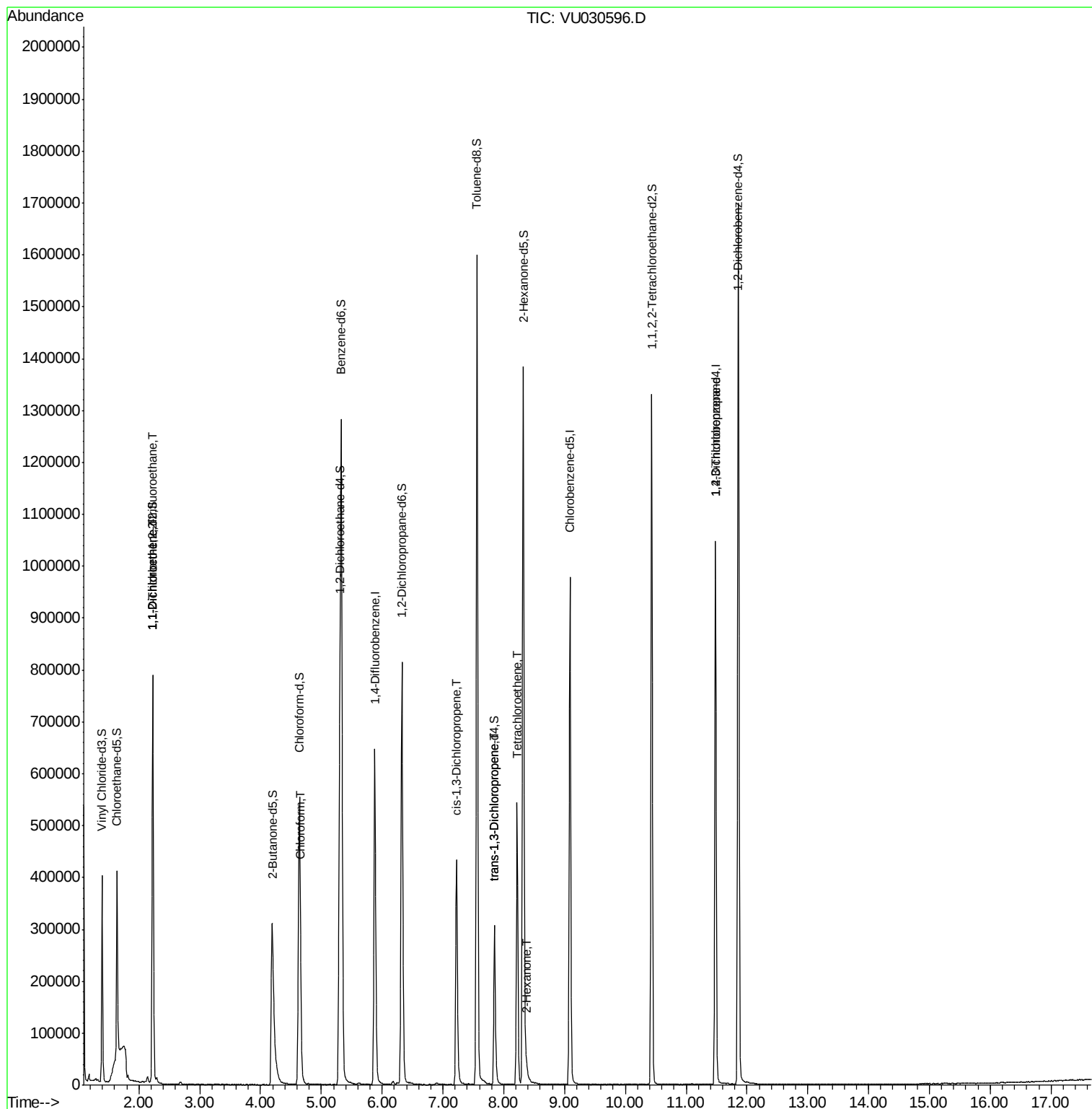
|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.22  | 101 | 3566   | 0.908 ug/L # | 23     |
| 12) 1,1-Dichloroethene         | 2.23  | 96  | 3386   | 0.879 ug/L # | 1      |
| 25) Chloroform                 | 4.67  | 83  | 20995  | 2.664 ug/L   | 91     |
| 39) cis-1,3-Dichloropropene    | 7.22  | 75  | 10296  | 1.369 ug/L # | 61     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 7865   | 1.188 ug/L   | 94     |
| 46) Tetrachloroethene          | 8.22  | 164 | 119215 | 37.655 ug/L  | 98     |
| 48) 2-Hexanone                 | 8.38  | 43  | 17877  | 2.482 ug/L # | 40     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 34307  | 5.386 ug/L   | 93     |

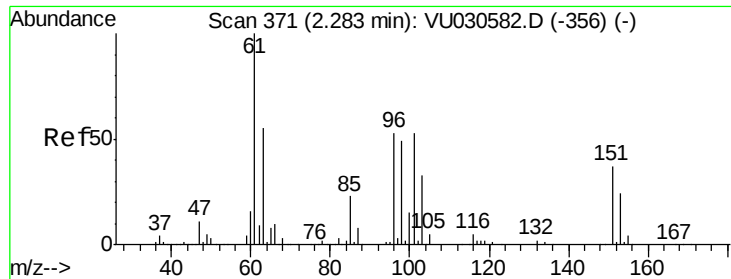
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 01 02:05:14 2019  
Response via : Initial Calibration





#10

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

Concen: 0.908 ug/L

RT: 2.22 min Scan# 353

Delta R.T. -0.06 min

Lab File: VU030596.D

Acq: 31 Mar 2019 17:34

Instrument :

MSVOA\_U

ClientSampleId :

BF0M3

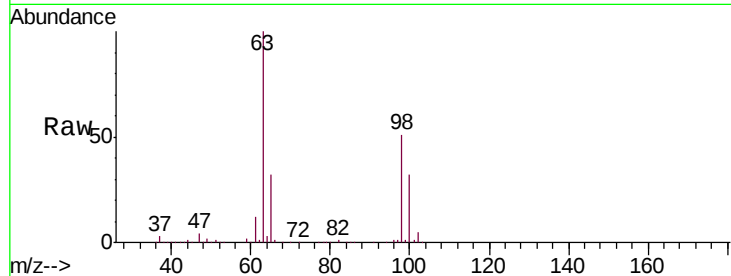
Tgt Ion: 101 Resp: 3566

Ion Ratio Lower Upper

101 100

85 3.3 34.8 52.2#

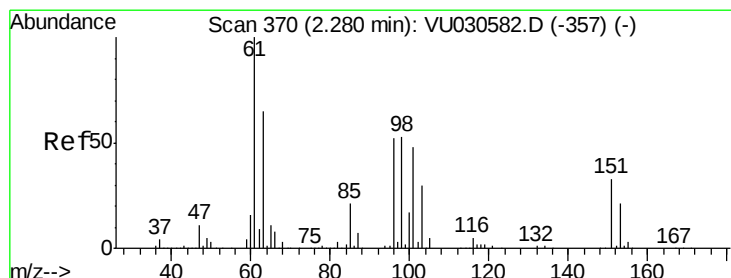
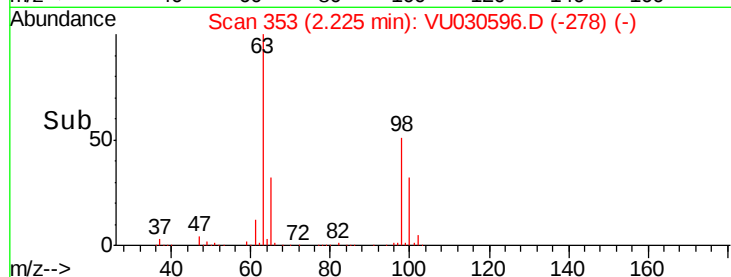
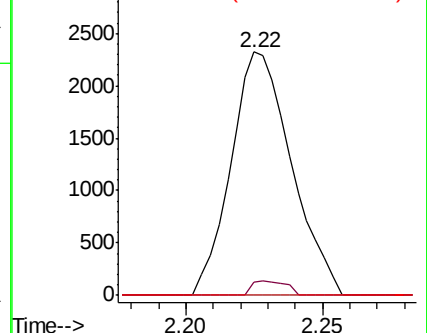
151 0.0 56.6 85.0#



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: 0.879 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.05 min

Lab File: VU030596.D

Acq: 31 Mar 2019 17:34

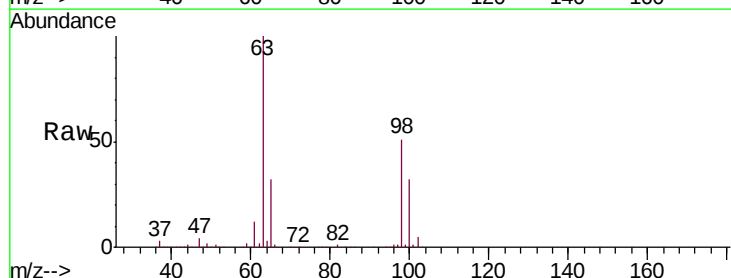
Tgt Ion: 96 Resp: 3386

Ion Ratio Lower Upper

96 100

61 1591.2 131.0 243.4#

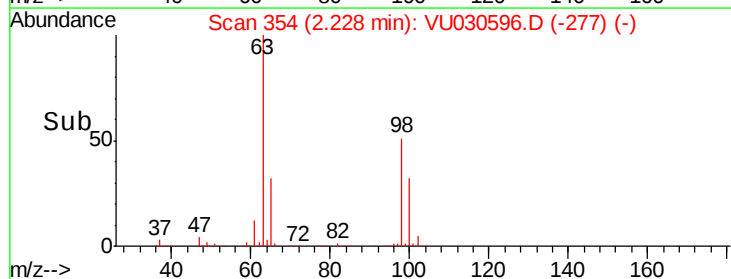
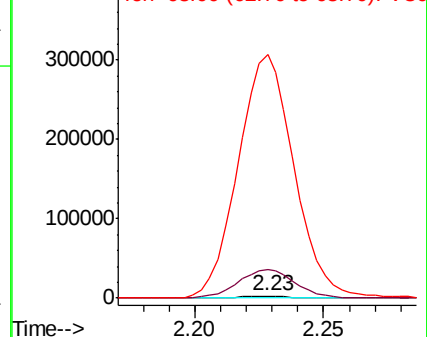
63 13489.5 92.4 171.6#

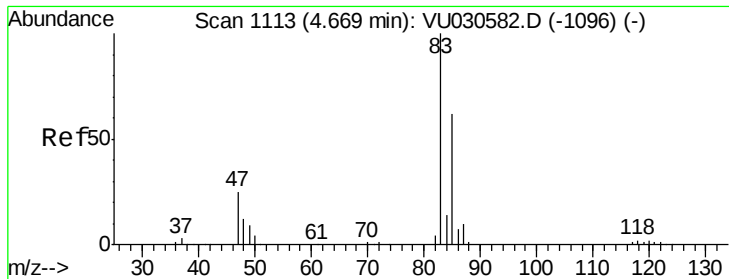


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

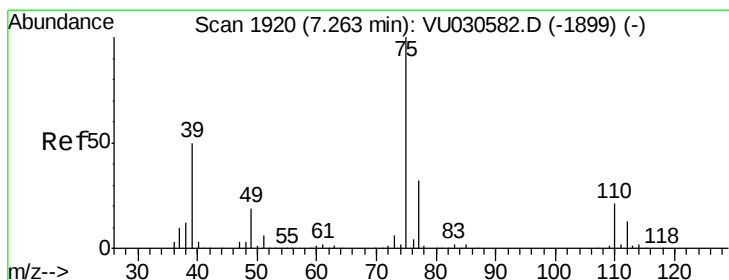
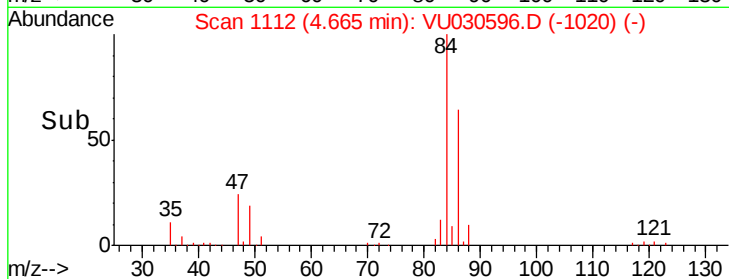
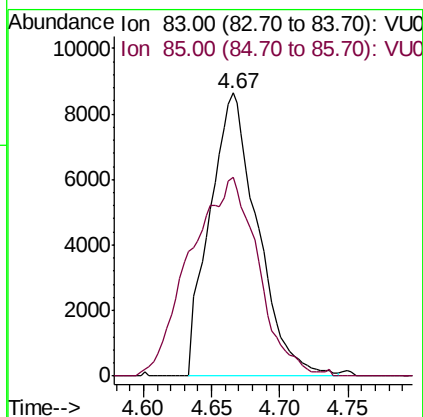
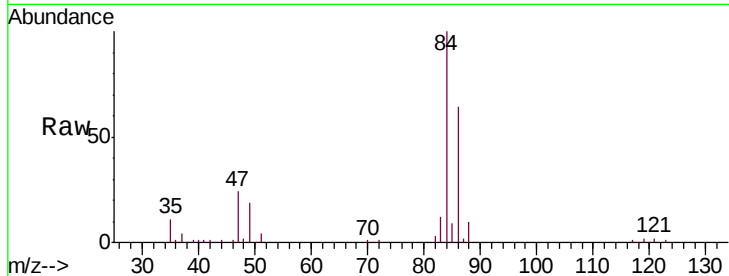




#25  
Chloroform  
Concen: 2.664 ug/L  
RT: 4.67 min Scan# 1112  
Delta R.T. -0.00 min  
Lab File: VU030596.D  
Acq: 31 Mar 2019 17:34

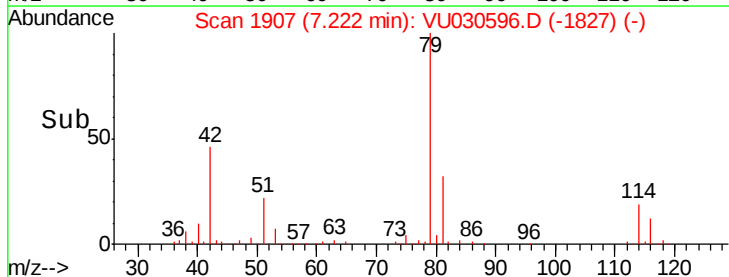
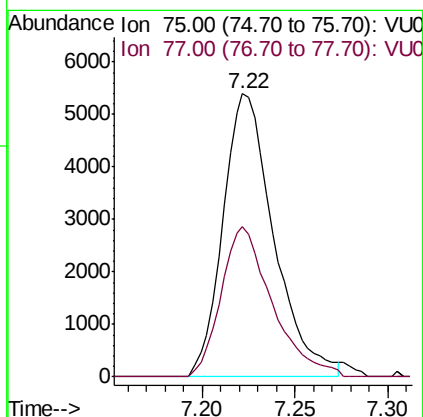
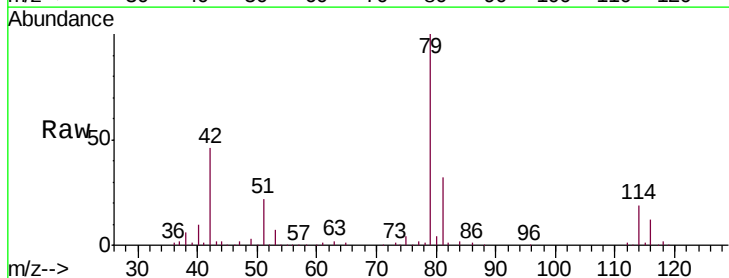
Instrument :  
MSVOA\_U  
ClientSampleId :  
BF0M3

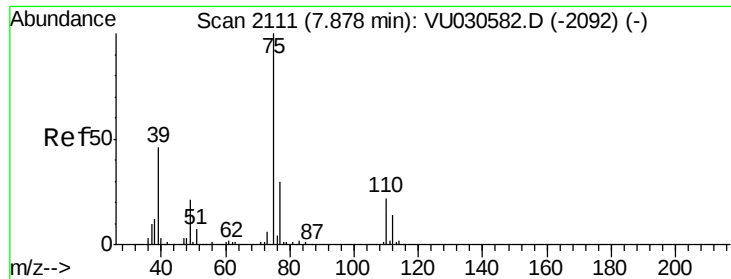
Tgt Ion: 83 Resp: 20995  
Ion Ratio Lower Upper  
83 100  
85 70.4 44.4 82.4



#39  
cis-1,3-Dichloropropene  
Concen: 1.369 ug/L  
RT: 7.22 min Scan# 1907  
Delta R.T. -0.04 min  
Lab File: VU030596.D  
Acq: 31 Mar 2019 17:34

Tgt Ion: 75 Resp: 10296  
Ion Ratio Lower Upper  
75 100  
77 52.9 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 1.188 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030596.D

Acq: 31 Mar 2019 17:34

Instrument :

MSVOA\_U

ClientSampleId :

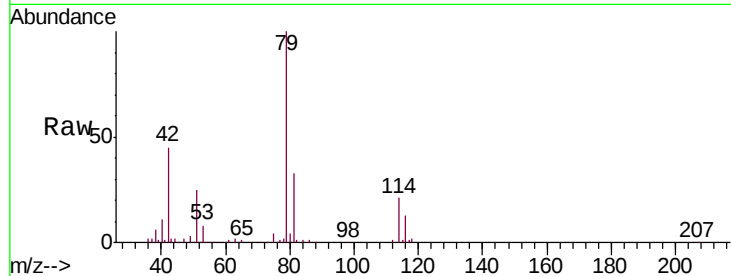
BF0M3

Tgt Ion: 75 Resp: 7865

Ion Ratio Lower Upper

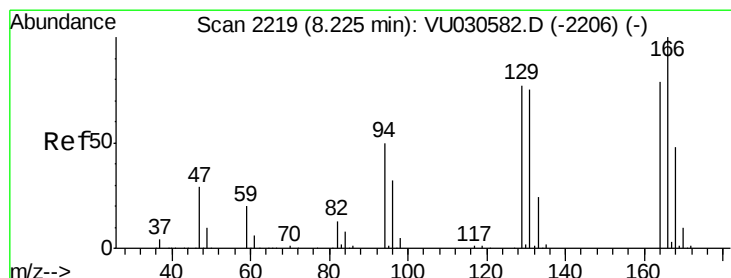
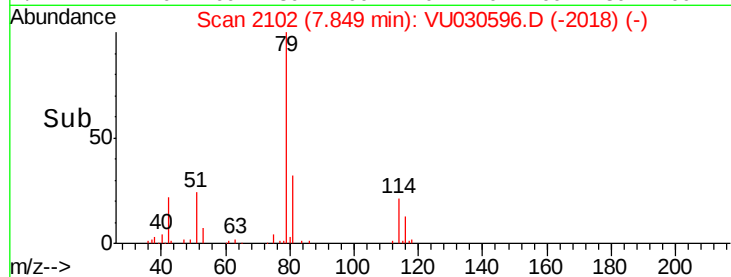
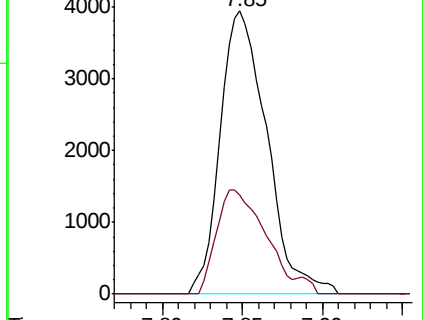
75 100

77 34.9 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU030582.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU030582.D (-2092) (-)



#46

Tetrachloroethene

Concen: 37.655 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU030596.D

Acq: 31 Mar 2019 17:34

Tgt Ion: 164 Resp: 119215

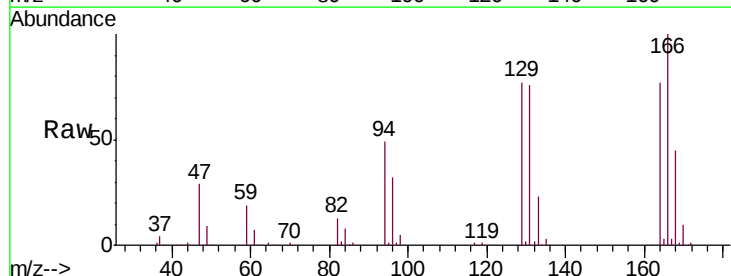
Ion Ratio Lower Upper

164 100

129 99.8 68.1 126.5

131 97.7 67.7 125.7

166 129.3 92.4 171.6

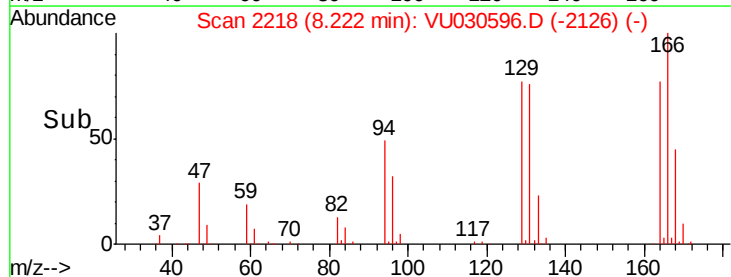
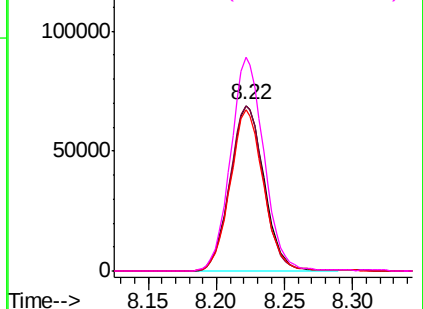


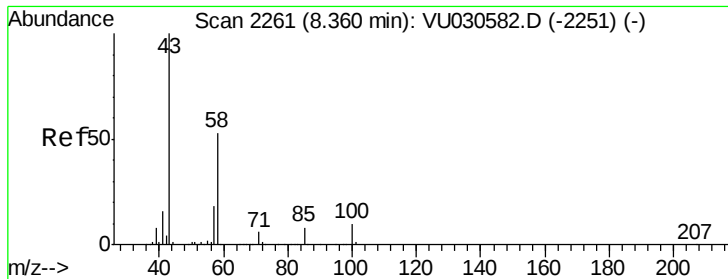
Abundance Ion 164.00 (163.70 to 164.70): VU030582.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU030582.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU030582.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU030582.D (-2206) (-)

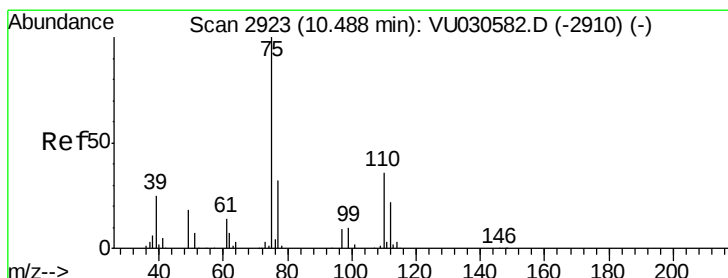
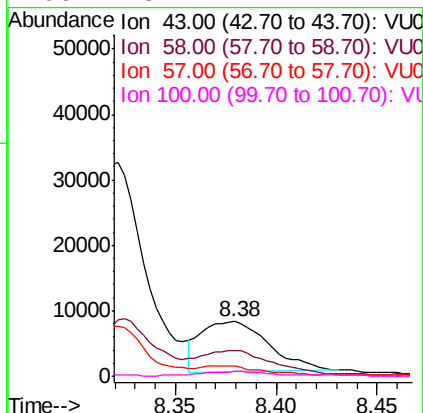
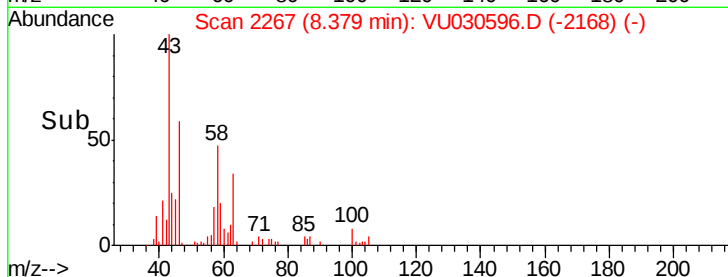
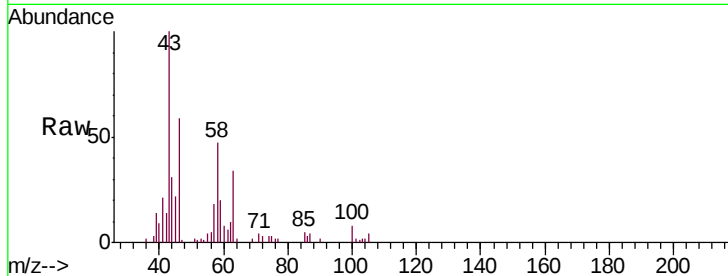




#48  
2-Hexanone  
Concen: 2.482 ug/L  
RT: 8.38 min Scan# 2267  
Delta R.T. 0.02 min  
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MSVOA\_U  
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Tgt Ion: 43 Resp: 17877  
Ion Ratio Lower Upper  
43 100  
58 0.0 42.5 63.7#  
57 0.0 15.0 22.6#  
100 5.7 7.4 11.2#



#59  
1,2,3-Trichloropropane  
Concen: 5.386 ug/L  
RT: 11.48 min Scan# 3232  
Delta R.T. 0.99 min  
Lab File: VU030596.D  
Acq: 31 Mar 2019 17:34

Tgt Ion: 75 Resp: 34307  
Ion Ratio Lower Upper  
75 100  
77 35.7 25.4 38.2

