

Data File : VU030151.D  
Acq On : 16 Mar 2019 17:41  
Operator : JC/SP  
Sample : K1936-06  
Misc : 5.85g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF0W3

Quant Time: Mar 18 04:29:21 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031319WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Mar 18 04:23:56 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 725632   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 738825   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 392311   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 223521   | 46.57    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.14%   |
| 7) Chloroethane-d5             | 1.64    | 69    | 111767   | 28.85    | ug/L | -0.04    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 57.70%#  |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 320632   | 37.01    | ug/L | -0.04    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.02%   |
| 21) 2-Butanone-d5              | 4.19    | 46    | 455605   | 126.69   | ug/L | 0.01     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 126.69%  |
| 24) Chloroform-d               | 4.64    | 84    | 471519   | 54.77    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 109.54%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 285690   | 57.44    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 114.88%  |
| 32) Benzene-d6                 | 5.33    | 84    | 990890   | 52.10    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 321615   | 55.25    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 110.50%  |
| 41) Toluene-d8                 | 7.56    | 98    | 906805   | 50.92    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.84%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 150372   | 53.33    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 106.66%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 433828   | 133.20   | ug/L | 0.01     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 133.20%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 578699   | 64.70    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 129.40%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 443645   | 58.38    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 116.76%  |

#### Target Compounds

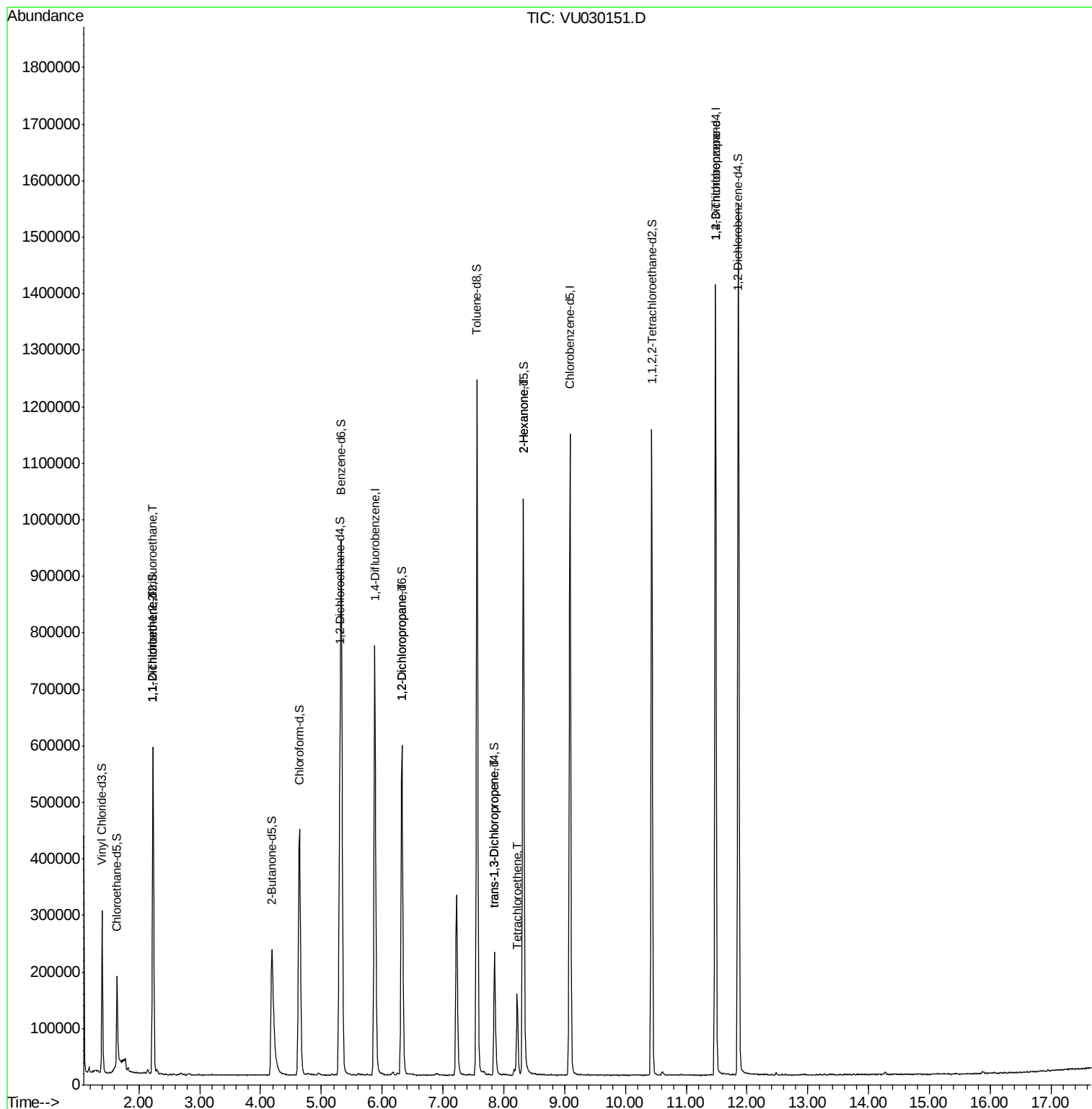
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.23  | 101 | 3224  | 0.676 ug/L # | 17     |
| 12) 1,1-Dichloroethene         | 2.23  | 96  | 2838  | 0.624 ug/L # | 1      |
| 37) 1,2-Dichloropropane        | 6.32  | 63  | 30975 | 5.570 ug/L # | 87     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 5873  | 0.743 ug/L   | 83     |
| 46) Tetrachloroethene          | 8.22  | 164 | 36305 | 7.487 ug/L   | 98     |
| 48) 2-Hexanone                 | 8.32  | 43  | 42401 | 6.619 ug/L # | 62     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 41257 | 5.697 ug/L   | 95     |

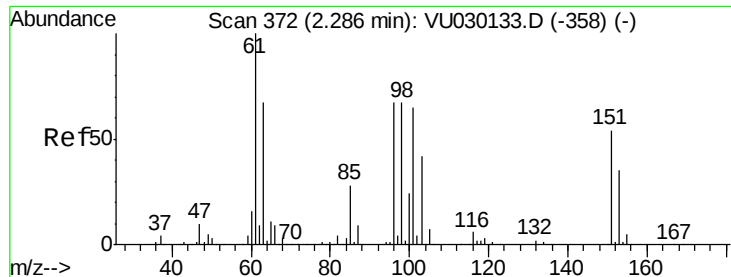
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.676 ug/L

RT: 2.23 min Scan# 355

Delta R.T. -0.05 min

Lab File: VU030151.D

Acq: 16 Mar 2019 17:41

Instrument :

MSVOA\_U

ClientSampleId :

BF0W3

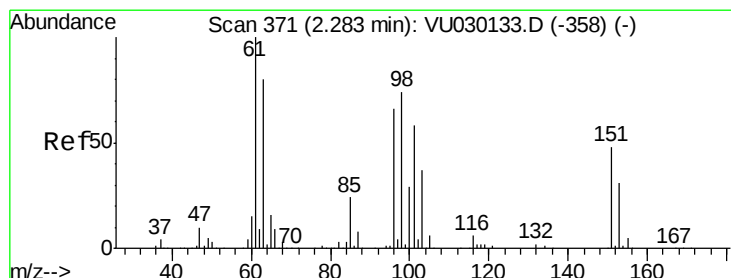
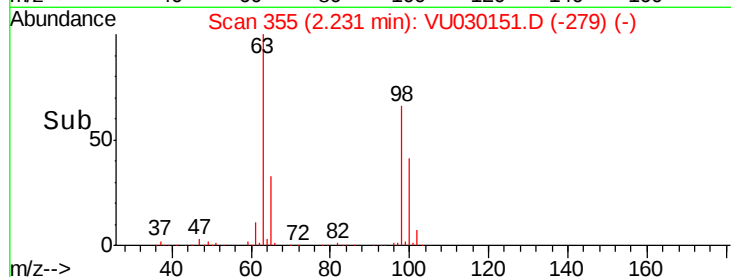
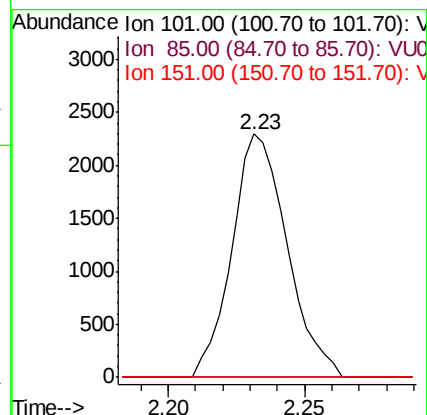
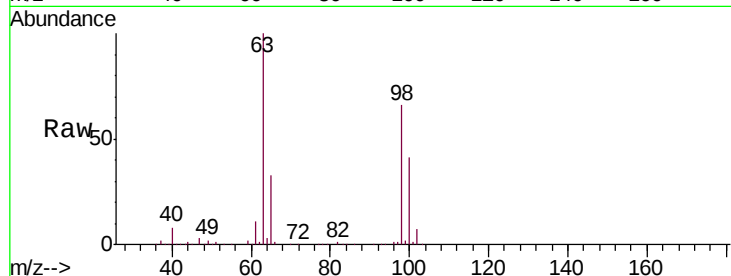
Tgt Ion: 101 Resp: 3224

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.4#

151 0.0 66.1 99.1#



#12

1,1-Dichloroethene

Concen: 0.624 ug/L

RT: 2.23 min Scan# 356

Delta R.T. -0.05 min

Lab File: VU030151.D

Acq: 16 Mar 2019 17:41

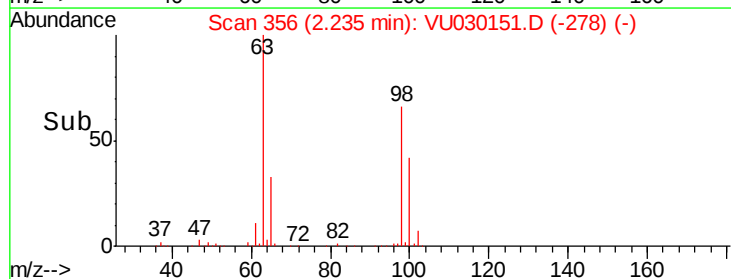
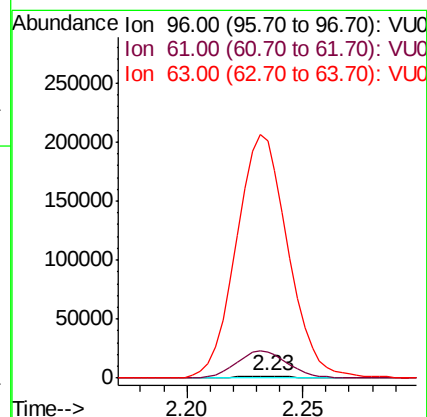
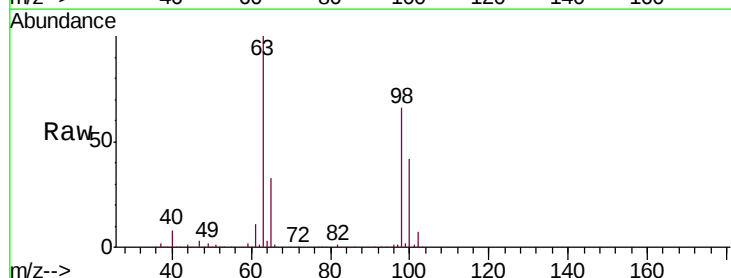
Tgt Ion: 96 Resp: 2838

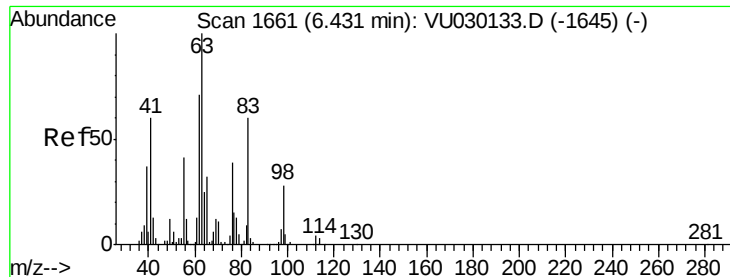
Ion Ratio Lower Upper

96 100

61 1355.0 110.4 205.0#

63 12226.0 86.5 160.7#

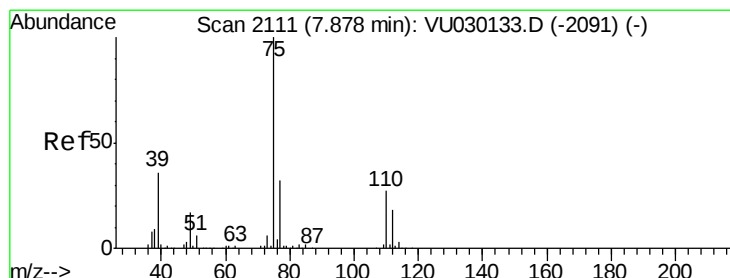
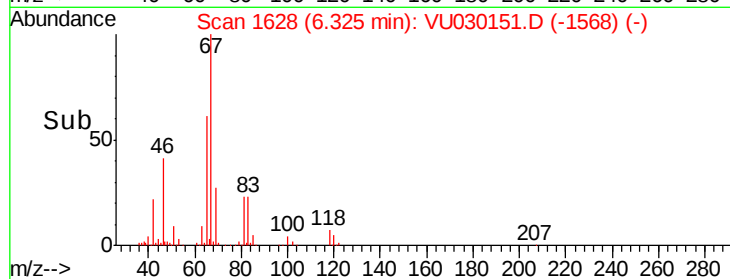
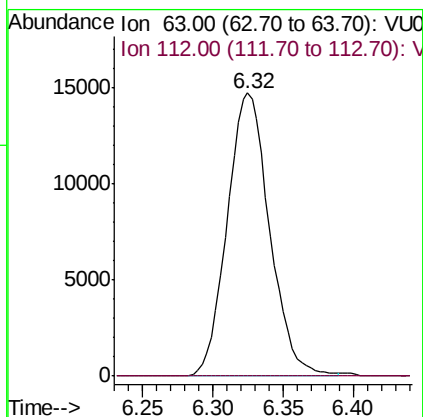
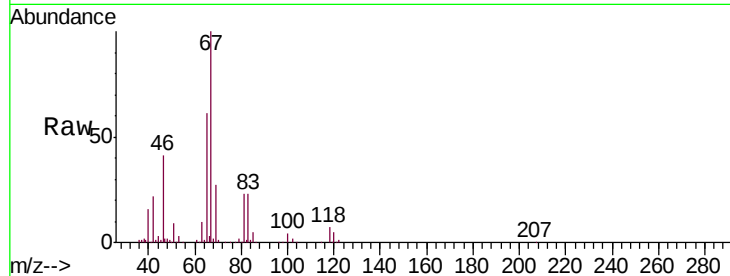




#37  
 1,2-Dichloropropane  
 Concen: 5.570 ug/L  
 RT: 6.32 min Scan# 1628  
 Delta R.T. -0.11 min  
 Lab File: VU030151.D  
 Acq: 16 Mar 2019 17:41

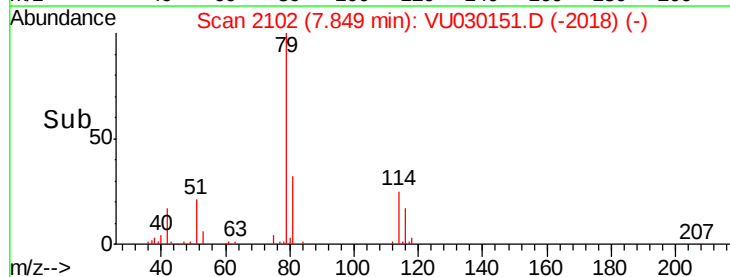
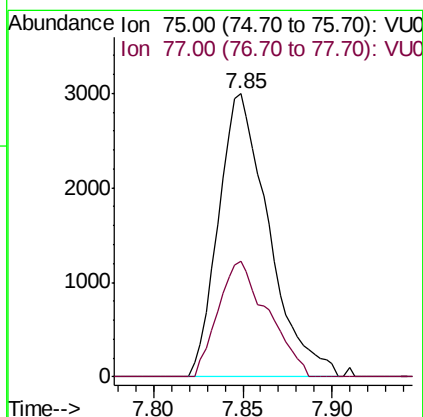
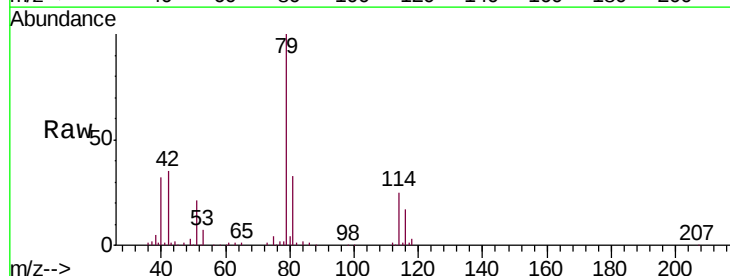
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF0W3

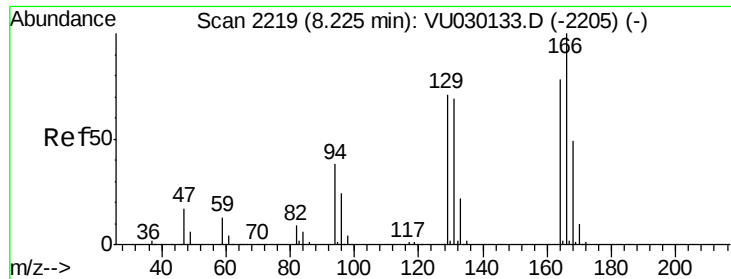
Tgt Ion: 63 Resp: 30975  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.2#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.743 ug/L  
 RT: 7.85 min Scan# 2102  
 Delta R.T. -0.03 min  
 Lab File: VU030151.D  
 Acq: 16 Mar 2019 17:41

Tgt Ion: 75 Resp: 5873  
 Ion Ratio Lower Upper  
 75 100  
 77 40.7 21.9 40.7

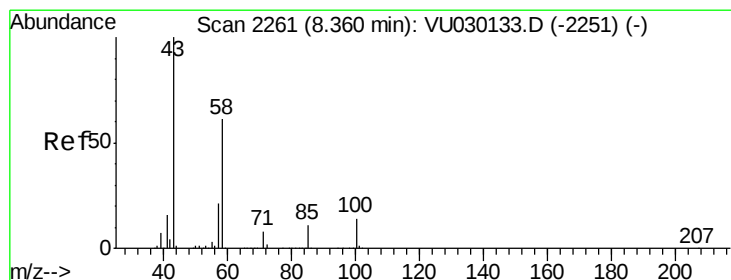
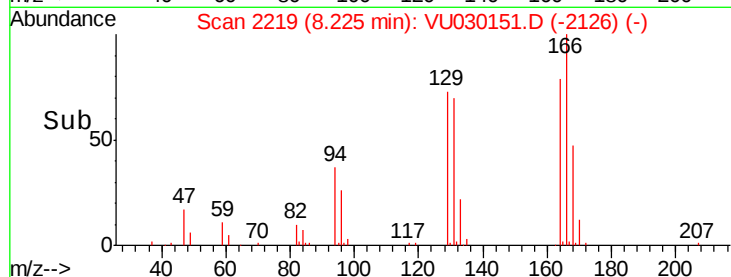
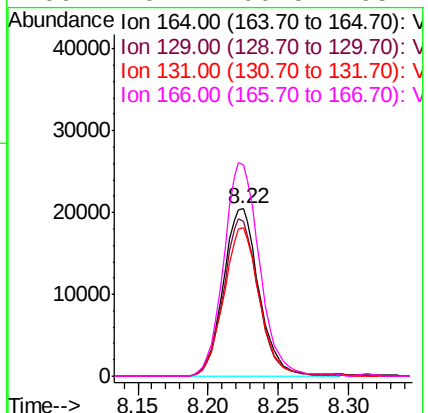
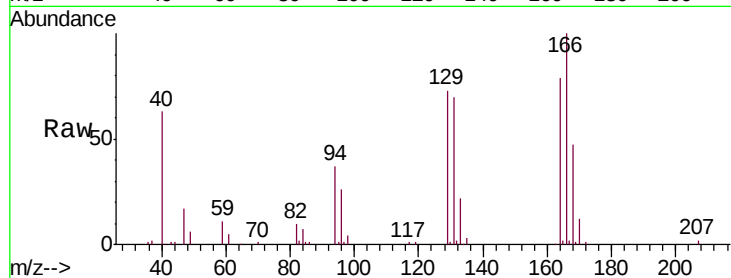




#46  
Tetrachloroethene  
Concen: 7.487 ug/L  
RT: 8.22 min Scan# 2219  
Delta R.T. 0.00 min  
Lab File: VU030151.D  
Acq: 16 Mar 2019 17:41

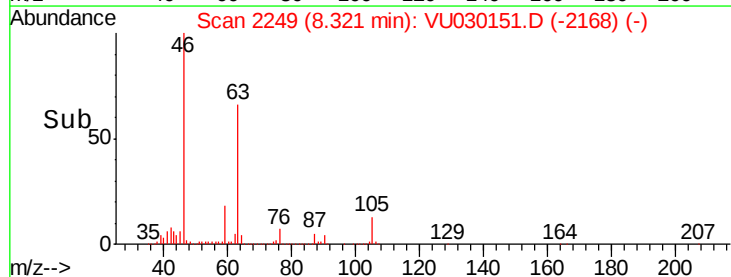
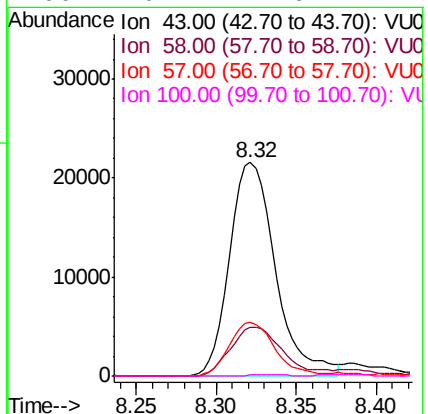
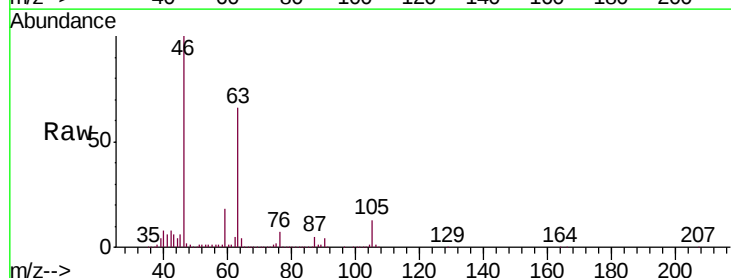
Instrument :  
MSVOA\_U  
ClientSampleId :  
BF0W3

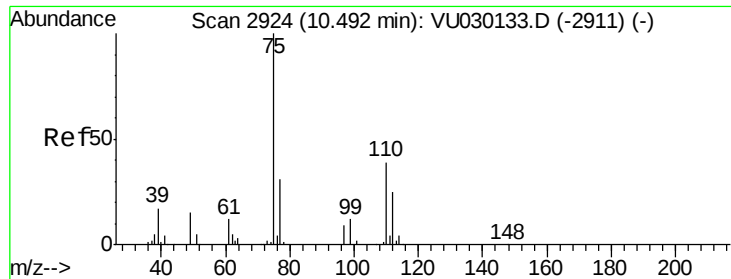
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 36305 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 92.6  | 63.3  | 117.7 |
| 131      | 88.8  | 62.0  | 115.2 |
| 166      | 126.1 | 90.5  | 168.1 |



#48  
2-Hexanone  
Concen: 6.619 ug/L  
RT: 8.32 min Scan# 2249  
Delta R.T. -0.04 min  
Lab File: VU030151.D  
Acq: 16 Mar 2019 17:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 42401 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 24.7  | 48.6  | 72.8# |
| 57       | 25.1  | 16.1  | 24.1# |
| 100      | 0.2   | 11.6  | 17.4# |





#59

1,2,3-Trichloropropane

Concen: 5.697 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030151.D

Acq: 16 Mar 2019 17:41

Instrument :

MSVOA\_U

ClientSampleId :

BF0W3

Tgt Ion: 75 Resp: 41257

Ion Ratio Lower Upper

75 100

77 34.9 25.8 38.8

