

Data File : VU030587.D  
Acq On : 31 Mar 2019 14:07  
Operator : JC/SP  
Sample : K2167-17  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF1G3

Quant Time: Apr 01 02:09:58 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  | 517645   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 491521   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 202247   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 162673   | 39.05    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 78.10% |
| 7) Chloroethane-d5             | 1.68    | 69    | 135611   | 41.07    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 82.14% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 243842   | 30.86    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.72% |
| 21) 2-Butanone-d5              | 4.18    | 46    | 313530   | 80.06    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 80.06% |
| 24) Chloroform-d               | 4.65    | 84    | 297499   | 41.45    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.90% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 204658   | 43.57    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.14% |
| 32) Benzene-d6                 | 5.34    | 84    | 609408   | 43.23    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.46% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 216347   | 44.86    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 89.72% |
| 41) Toluene-d8                 | 7.56    | 98    | 527283   | 41.65    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.30% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 95622    | 42.17    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.34% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 190658   | 72.95    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 72.95% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 287925   | 41.72    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 83.44% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 179958   | 44.41    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.82% |

#### Target Compounds

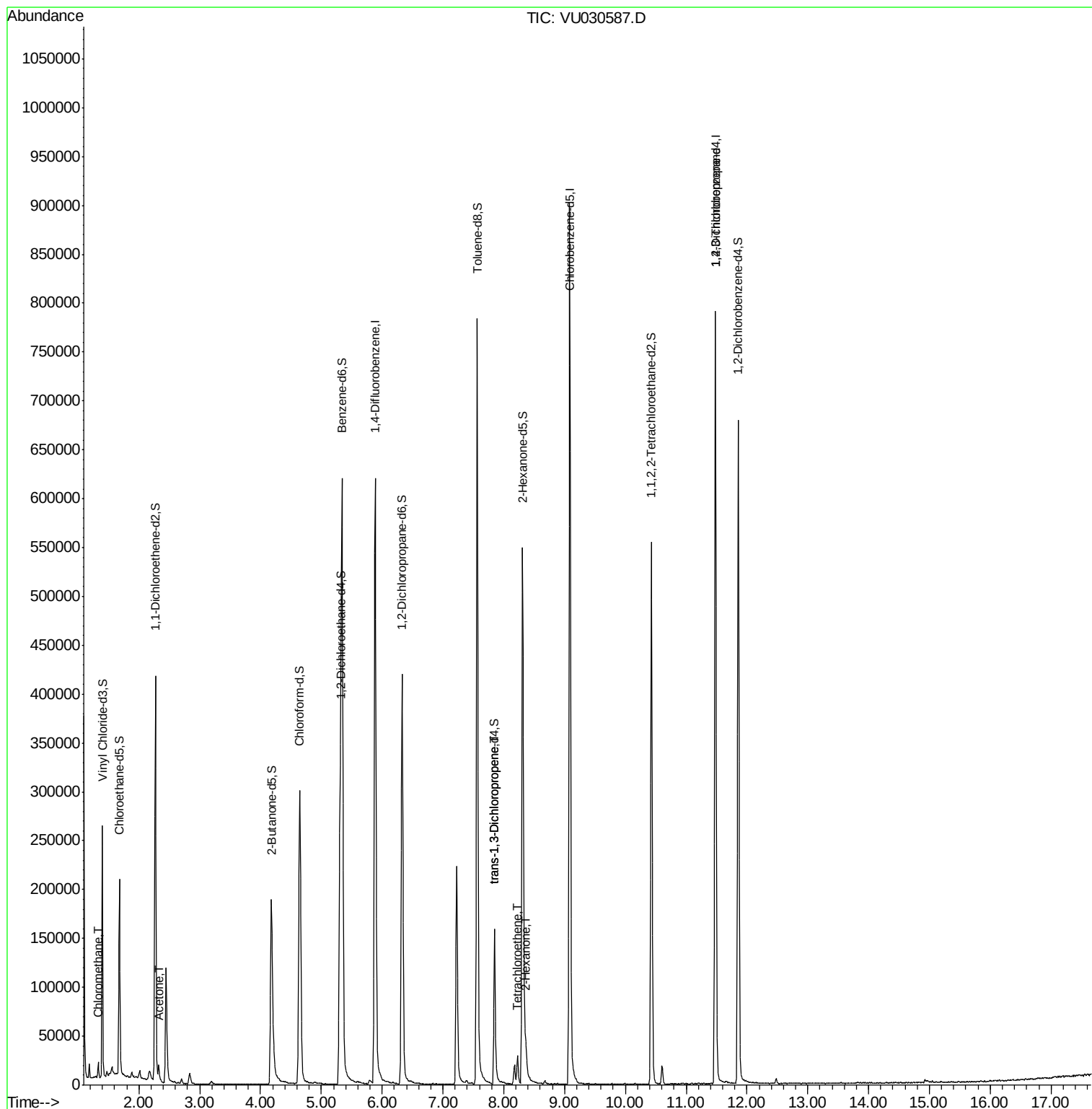
|                               |       |     |       |              | Qvalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 3) Chloromethane              | 1.33  | 50  | 9252  | 1.448 ug/L   | 99     |
| 13) Acetone                   | 2.32  | 43  | 13610 | 3.436 ug/L   | 95     |
| 44) trans-1,3-Dichloropropene | 7.85  | 75  | 4329  | 0.721 ug/L   | 99     |
| 46) Tetrachloroethene         | 8.23  | 164 | 6997  | 2.435 ug/L   | 95     |
| 48) 2-Hexanone                | 8.37  | 43  | 13352 | 2.043 ug/L # | 83     |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75  | 27198 | 4.706 ug/L   | 96     |

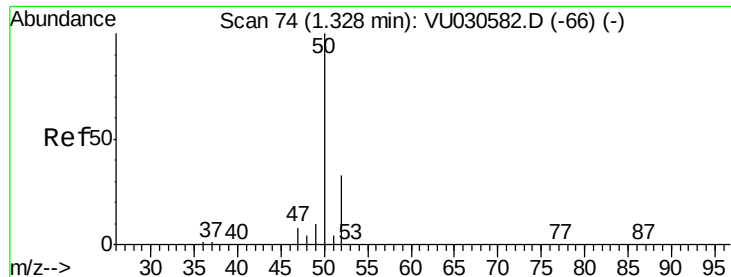
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.448 ug/L

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030587.D

Acq: 31 Mar 2019 14:07

Instrument :

MSVOA\_U

ClientSampled :

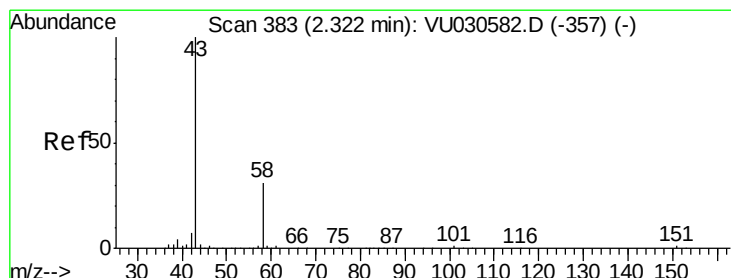
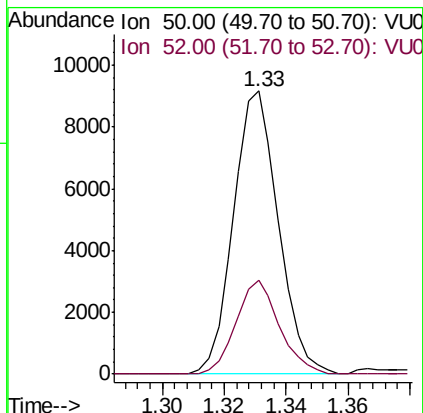
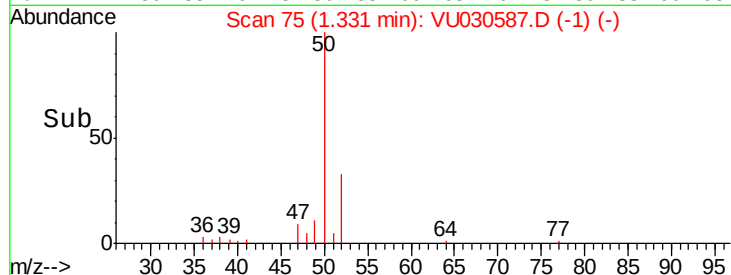
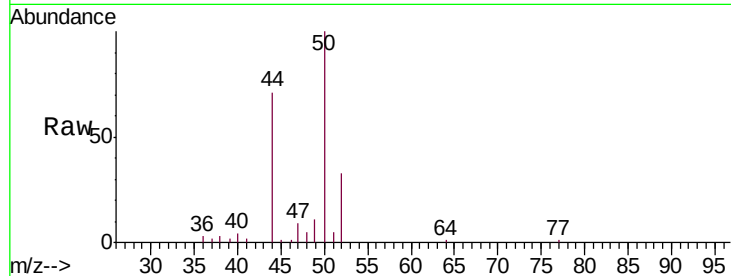
BF1G3

Tgt Ion: 50 Resp: 9252

Ion Ratio Lower Upper

50 100

52 33.3 23.0 42.6



#13

Acetone

Concen: 3.436 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU030587.D

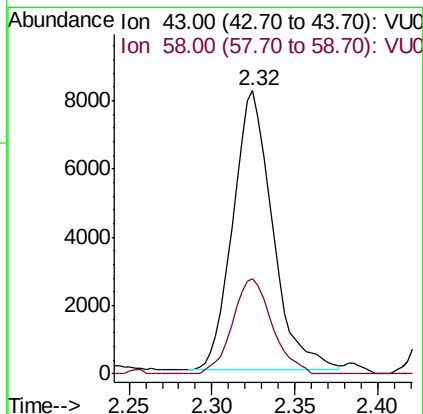
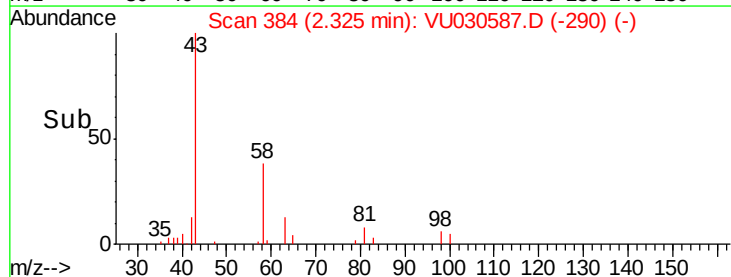
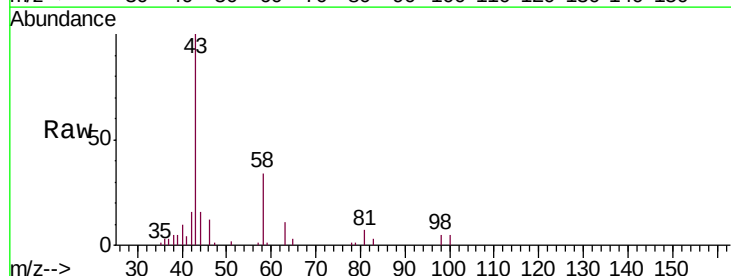
Acq: 31 Mar 2019 14:07

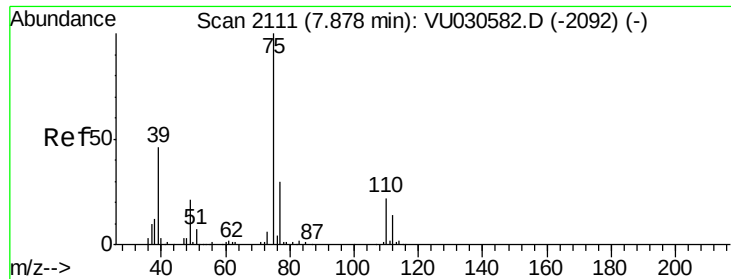
Tgt Ion: 43 Resp: 13610

Ion Ratio Lower Upper

43 100

58 34.0 0.0 62.8





#44

trans-1,3-Dichloropropene

Concen: 0.721 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU030587.D

Acq: 31 Mar 2019 14:07

Instrument :

MSVOA\_U

ClientSampled :

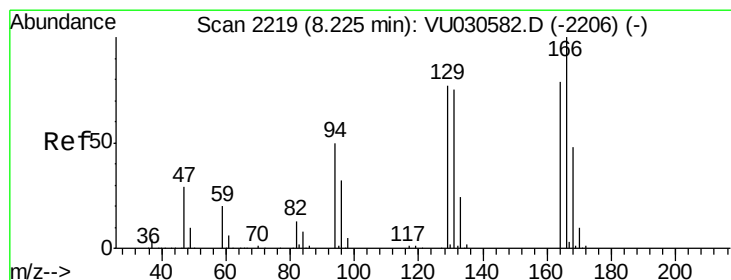
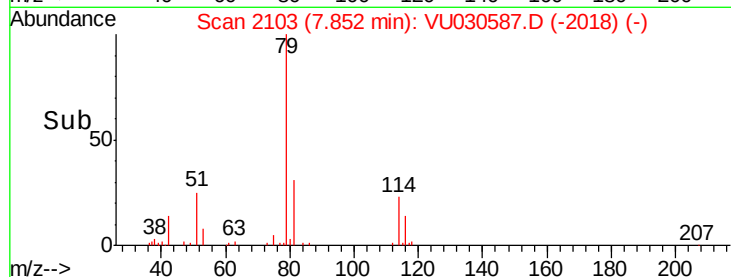
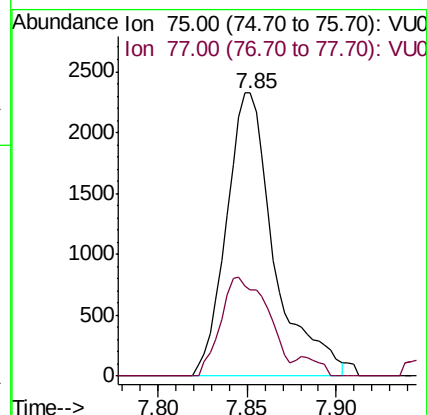
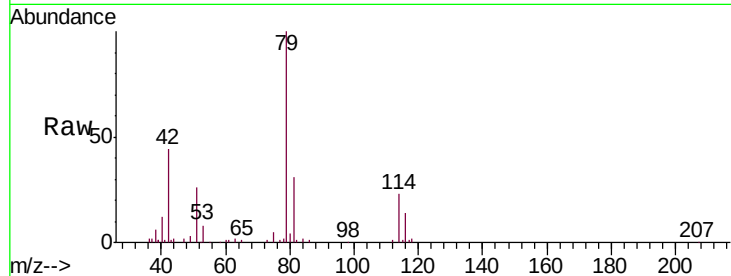
BF1G3

Tgt Ion: 75 Resp: 4329

Ion Ratio Lower Upper

75 100

77 30.6 22.0 40.8



#46

Tetrachloroethene

Concen: 2.435 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VU030587.D

Acq: 31 Mar 2019 14:07

Tgt Ion: 164 Resp: 6997

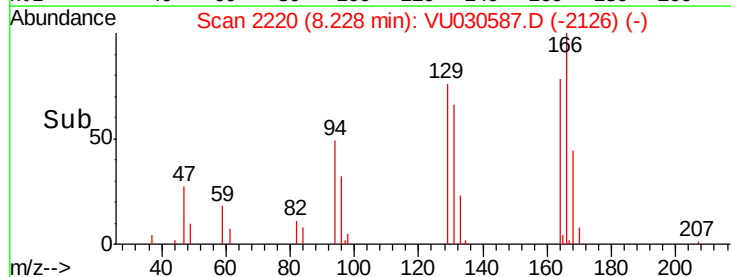
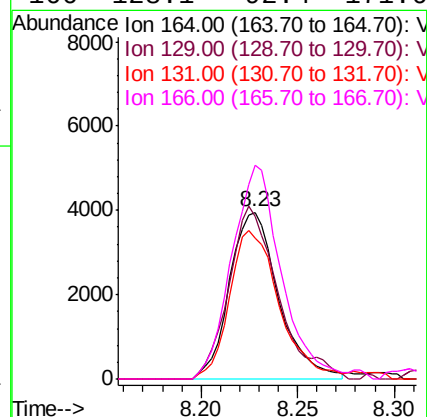
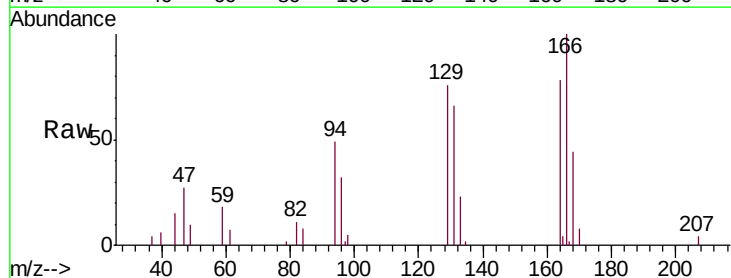
Ion Ratio Lower Upper

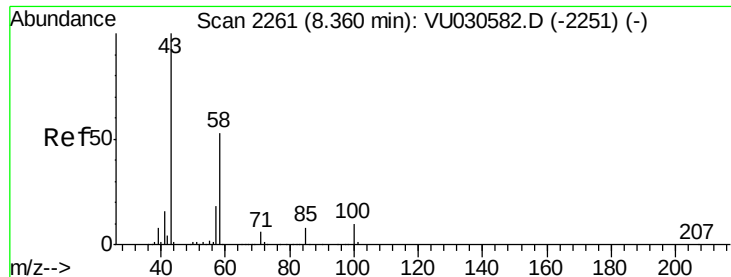
164 100

129 97.4 68.1 126.5

131 84.5 67.7 125.7

166 128.1 92.4 171.6

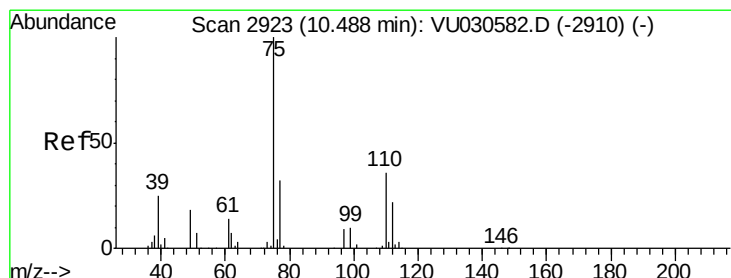
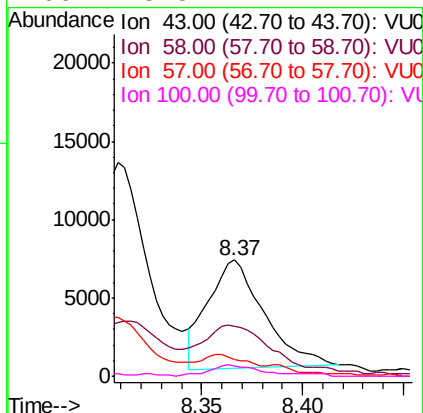
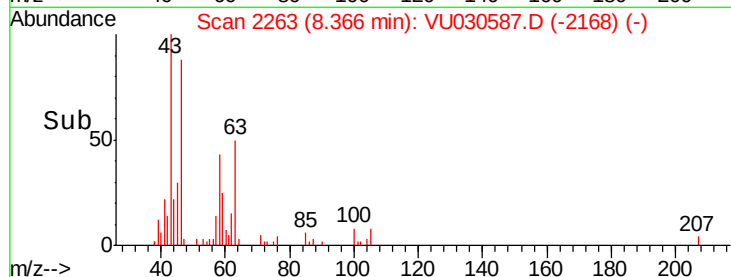
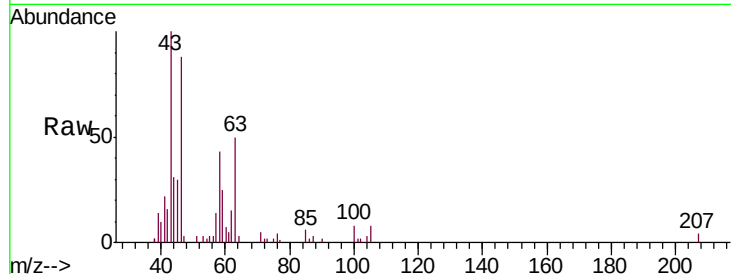




#48  
2-Hexanone  
Concen: 2.043 ug/L  
RT: 8.37 min Scan# 2263  
Delta R.T. 0.01 min  
Lab File: VU030587.D  
Acq: 31 Mar 2019 14:07

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MSVOA\_U  
ClientSampleId :  
BF1G3

Tgt Ion: 43 Resp: 13352  
Ion Ratio Lower Upper  
43 100  
58 40.3 42.5 63.7#  
57 8.2 15.0 22.6#  
100 8.8 7.4 11.2



#59  
1,2,3-Trichloropropane  
Concen: 4.706 ug/L  
RT: 11.48 min Scan# 3231  
Delta R.T. 0.99 min  
Lab File: VU030587.D  
Acq: 31 Mar 2019 14:07

Tgt Ion: 75 Resp: 27198  
Ion Ratio Lower Upper  
75 100  
77 34.3 25.4 38.2

