

Data File : VU030038.D  
Acq On : 13 Mar 2019 18:40  
Operator : JC/SP  
Sample : K1838-19  
Misc : 5.47g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF181

Quant Time: Mar 14 03:54:09 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031319WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Mar 14 03:50:43 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 609493   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 610092   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 332685   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 196401   | 48.72    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 97.44%   |
| 7) Chloroethane-d5             | 1.64    | 69    | 95253    | 29.27    | ug/L | -0.04    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 58.54%#  |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 277384   | 38.12    | ug/L | -0.04    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.24%   |
| 21) 2-Butanone-d5              | 4.19    | 46    | 387304   | 128.22   | ug/L | 0.01     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 128.22%  |
| 24) Chloroform-d               | 4.64    | 84    | 404536   | 55.94    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 111.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 246473   | 58.99    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 117.98%  |
| 32) Benzene-d6                 | 5.33    | 84    | 863314   | 54.97    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 109.94%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 275271   | 57.27    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 114.54%  |
| 41) Toluene-d8                 | 7.56    | 98    | 796481   | 54.16    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.32%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 130706   | 56.14    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 112.28%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 382668   | 142.29   | ug/L | 0.02     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 142.29%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 505190   | 68.40    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 136.80%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 391298   | 60.72    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 121.44%# |

#### Target Compounds

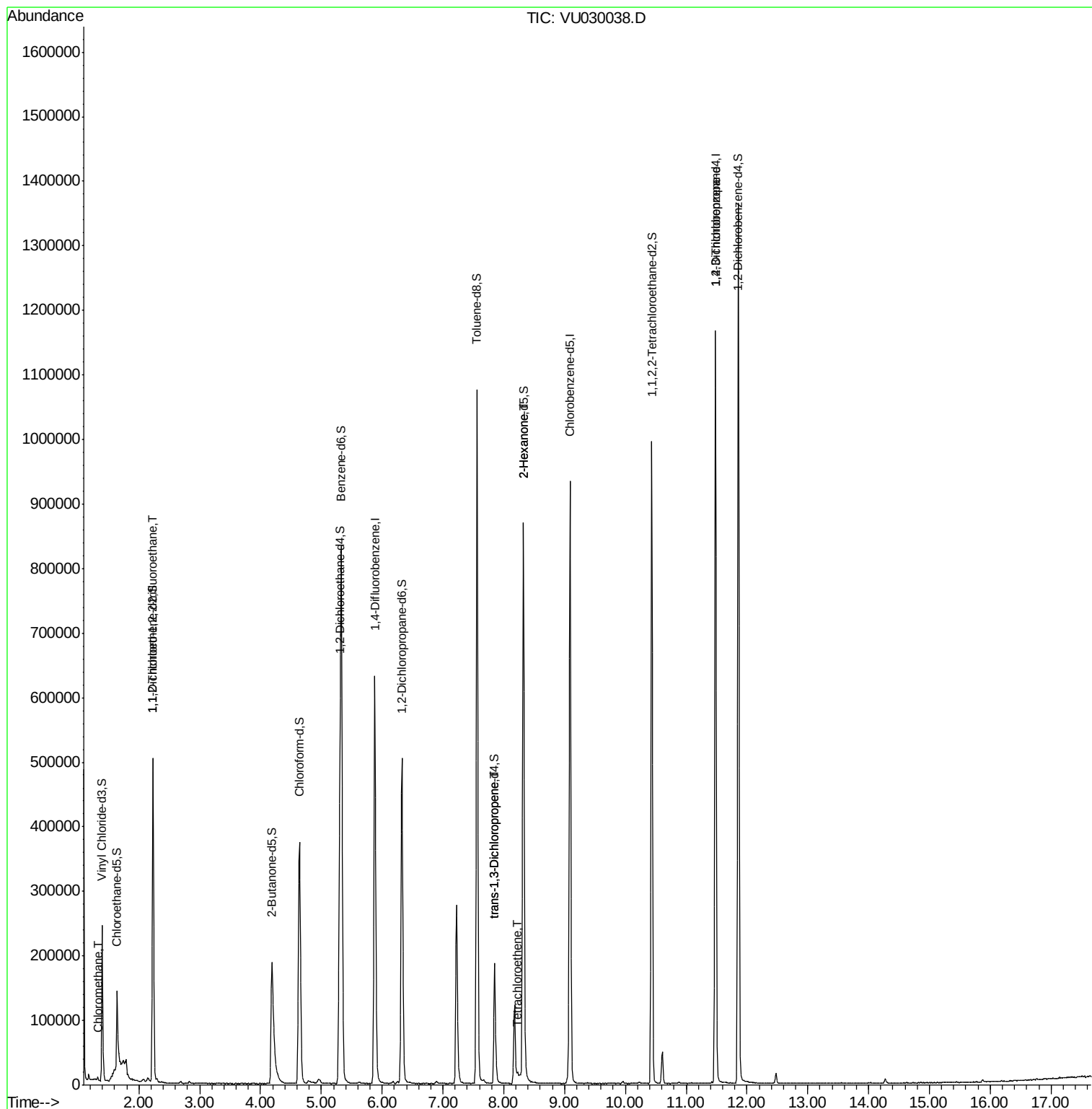
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 3) Chloromethane               | 1.32  | 50  | 4051  | 0.953 ug/L   | 84     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.23  | 101 | 2874  | 0.718 ug/L # | 20     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 5443  | 0.834 ug/L   | 97     |
| 46) Tetrachloroethene          | 8.23  | 164 | 2876  | 0.718 ug/L   | 90     |
| 48) 2-Hexanone                 | 8.32  | 43  | 36004 | 6.806 ug/L # | 63     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 32908 | 5.503 ug/L   | 94     |

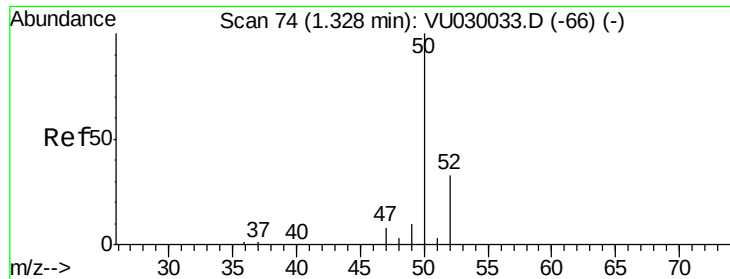
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.953 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.01 min

Lab File: VU030038.D

Acq: 13 Mar 2019 18:40

Instrument :

MSVOA\_U

ClientSampleId :

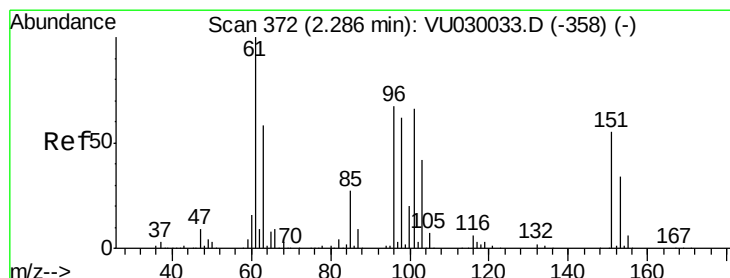
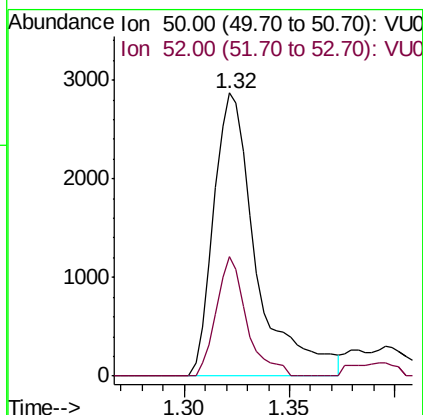
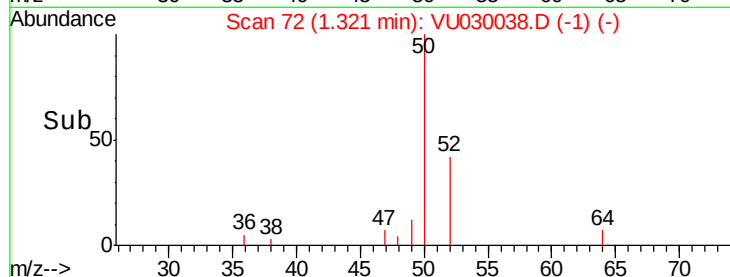
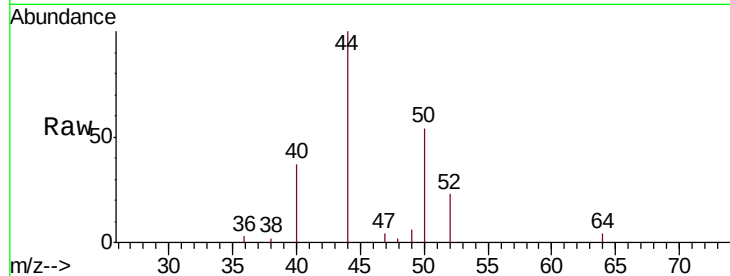
BF181

Tgt Ion: 50 Resp: 4051

Ion Ratio Lower Upper

50 100

52 42.4 23.4 43.6



#10

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

Concen: 0.718 ug/L

RT: 2.23 min Scan# 355

Delta R.T. -0.05 min

Lab File: VU030038.D

Acq: 13 Mar 2019 18:40

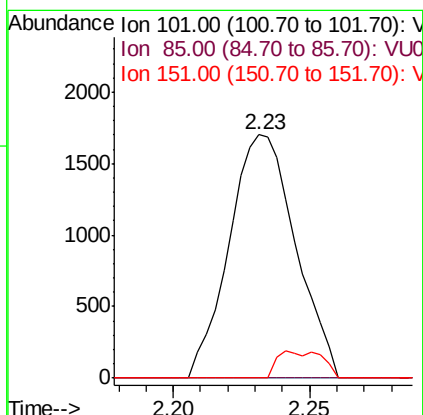
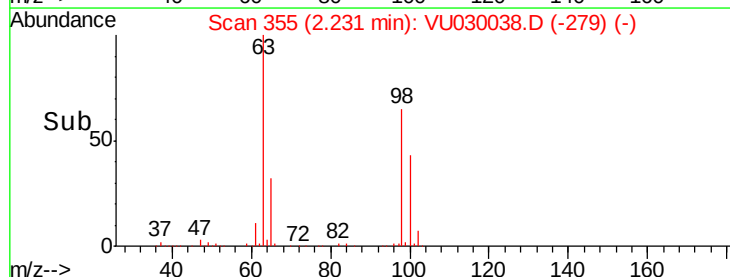
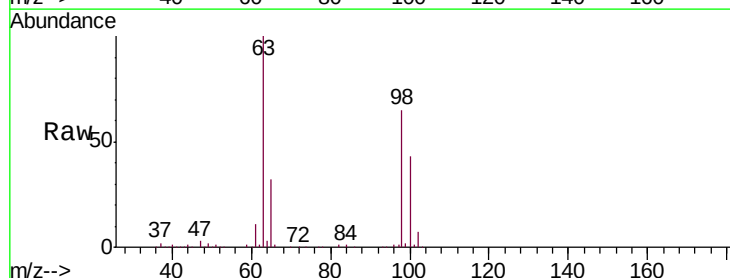
Tgt Ion: 101 Resp: 2874

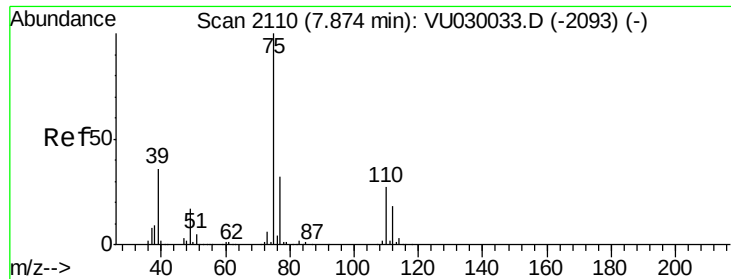
Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.4#

151 4.5 66.1 99.1#

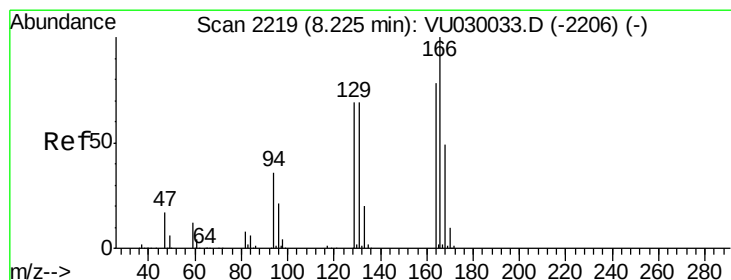
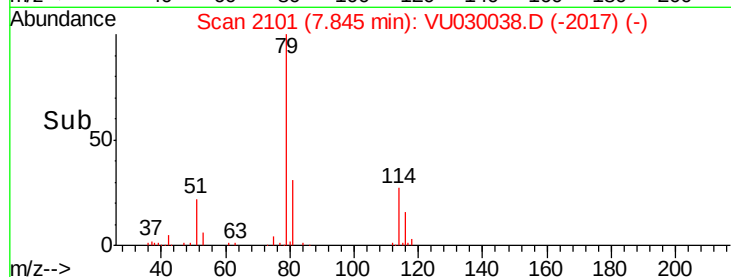
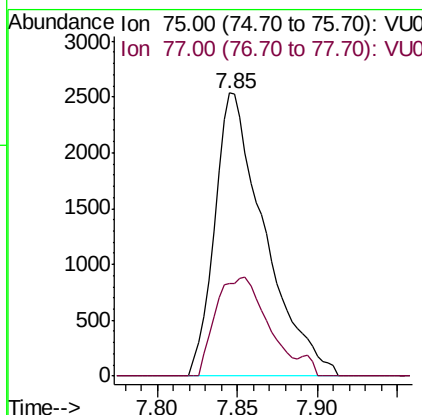
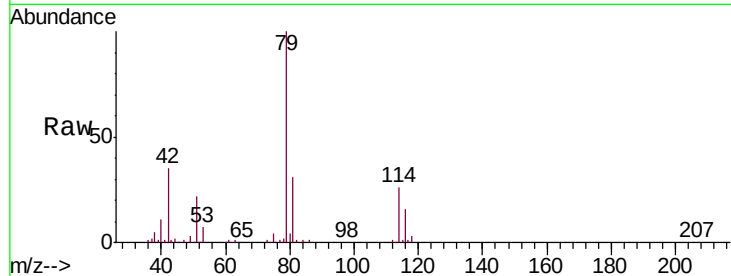




#44  
trans-1,3-Dichloropropene  
Concen: 0.834 ug/L  
RT: 7.85 min Scan# 2101  
Delta R.T. -0.03 min  
Lab File: VU030038.D  
Acq: 13 Mar 2019 18:40

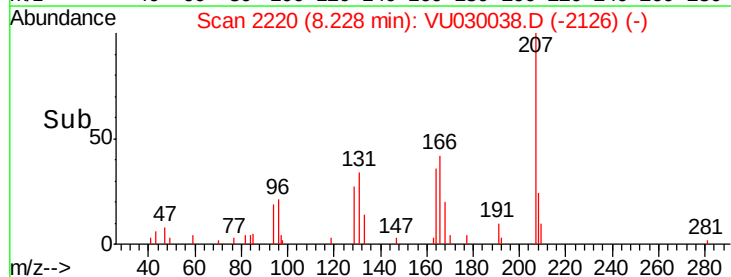
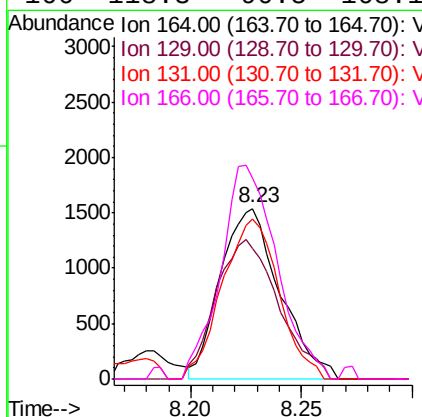
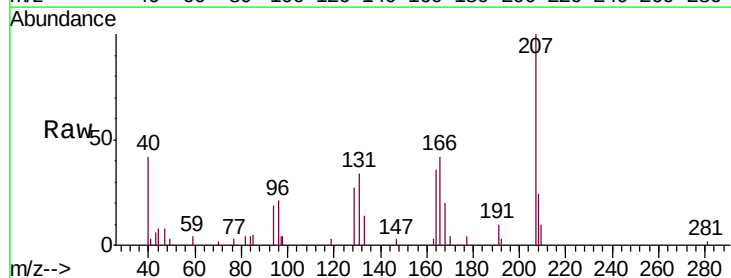
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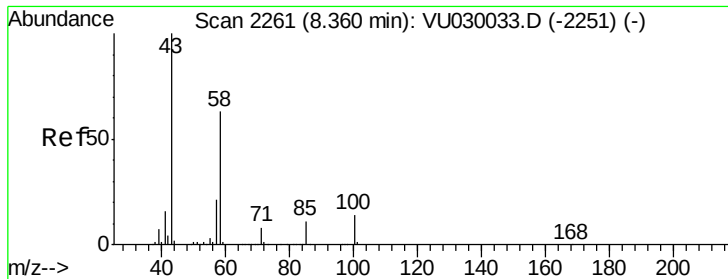
Tgt Ion: 75 Resp: 5443  
Ion Ratio Lower Upper  
75 100  
77 32.8 21.9 40.7



#46  
Tetrachloroethene  
Concen: 0.718 ug/L  
RT: 8.23 min Scan# 2220  
Delta R.T. 0.00 min  
Lab File: VU030038.D  
Acq: 13 Mar 2019 18:40

Tgt Ion: 164 Resp: 2876  
Ion Ratio Lower Upper  
164 100  
129 76.9 63.3 117.7  
131 94.0 62.0 115.2  
166 118.3 90.5 168.1





#48

2-Hexanone

Concen: 6.806 ug/L

RT: 8.32 min Scan# 2250

Delta R.T. -0.04 min

Lab File: VU030038.D

Acq: 13 Mar 2019 18:40

Instrument :

MSVOA\_U

ClientSampled :

BF181

Tgt Ion: 43 Resp: 36004

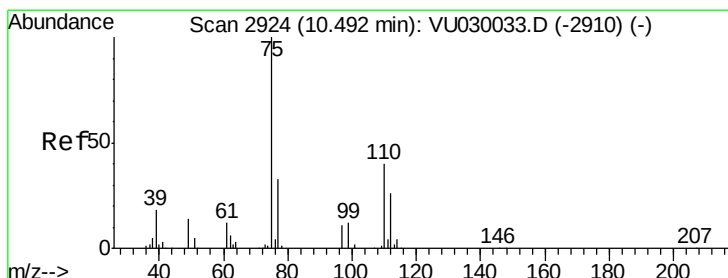
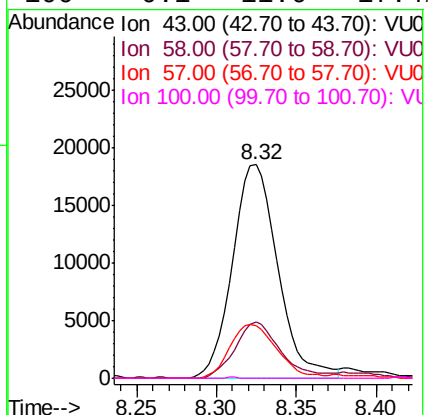
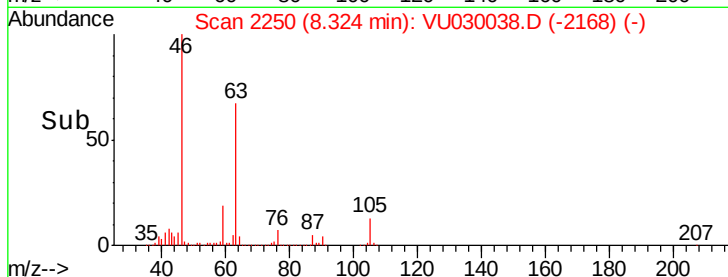
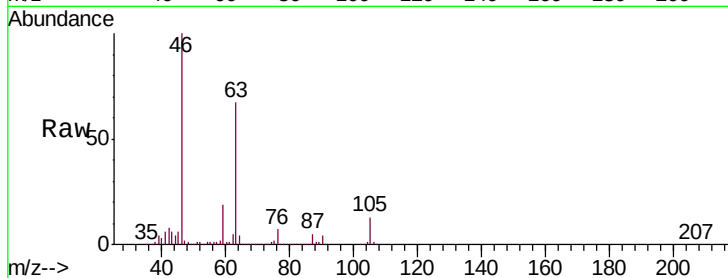
Ion Ratio Lower Upper

43 100

58 26.1 48.6 72.8#

57 25.8 16.1 24.1#

100 0.1 11.6 17.4#



#59

1,2,3-Trichloropropane

Concen: 5.503 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030038.D

Acq: 13 Mar 2019 18:40

Tgt Ion: 75 Resp: 32908

Ion Ratio Lower Upper

75 100

77 35.9 25.8 38.8

