

Data File : VU029632.D  
Acq On : 22 Feb 2019 20:06  
Operator : JC/SP  
Sample : K1581-08  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB618

Quant Time: Feb 22 23:12:16 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM021519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Feb 22 23:08:46 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 450484   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 442236   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 210874   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 128726   | 39.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 78.00%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 120800   | 41.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 82.32%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 186787   | 28.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 57.90%# |
| 21) 2-Butanone-d5              | 4.17    | 46    | 213222   | 106.14   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.14% |
| 24) Chloroform-d               | 4.65    | 84    | 259627   | 48.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.98%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 167439   | 49.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.80%  |
| 32) Benzene-d6                 | 5.34    | 84    | 537422   | 48.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.58%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 169231   | 50.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.10% |
| 41) Toluene-d8                 | 7.56    | 98    | 492952   | 43.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.82%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 76004    | 42.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.60%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 183079   | 98.20    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.20%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 266402   | 47.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.18%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 218656   | 48.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.24%  |

#### Target Compounds

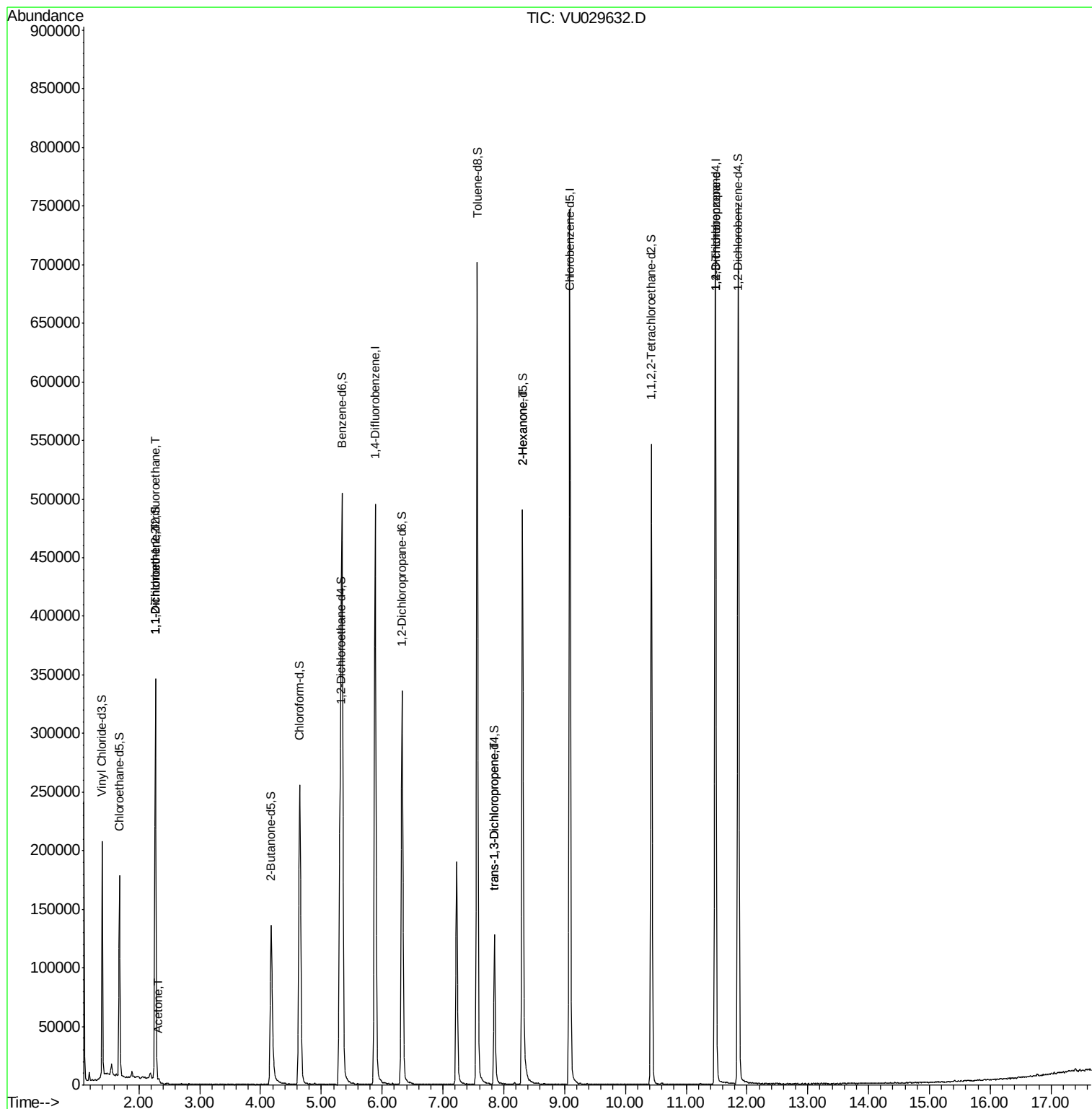
|                                |       |     |       |       | Qvalue |    |
|--------------------------------|-------|-----|-------|-------|--------|----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 1861  | 0.593 | ug/L # | 17 |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 1752  | 0.587 | ug/L # | 1  |
| 13) Acetone                    | 2.32  | 43  | 1556  | 0.725 | ug/L   | 98 |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 3034  | 0.670 | ug/L # | 77 |
| 48) 2-Hexanone                 | 8.31  | 43  | 18418 | 5.037 | ug/L # | 68 |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 20914 | 4.928 | ug/L # | 88 |

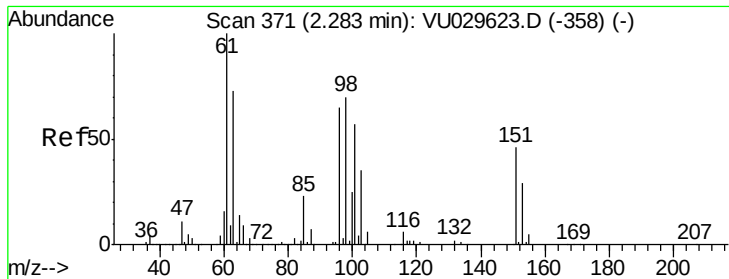
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.593 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029632.D

Acq: 22 Feb 2019 20:06

Instrument :

MSVOA\_U

ClientSampleID :

DB618

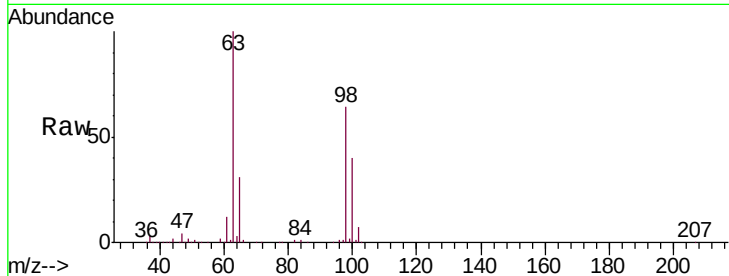
Tgt Ion: 101 Resp: 1861

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.6#

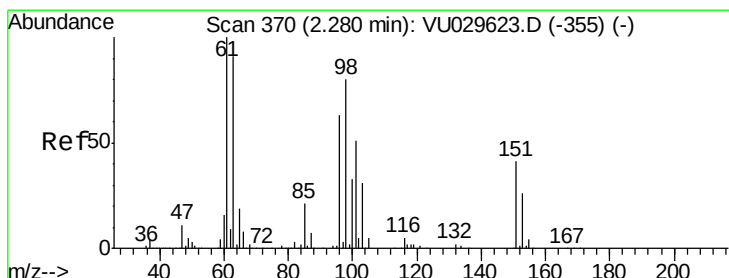
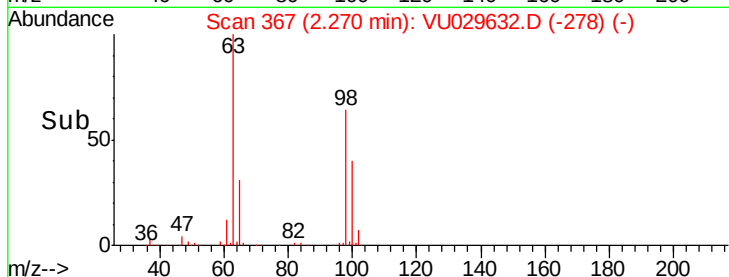
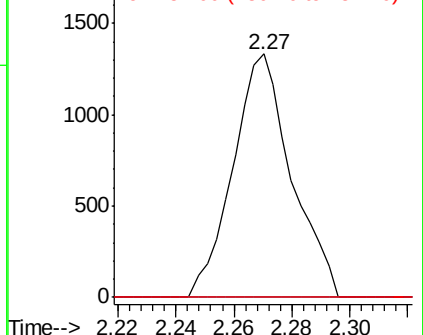
151 0.0 65.7 98.5#



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: 0.587 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU029632.D

Acq: 22 Feb 2019 20:06

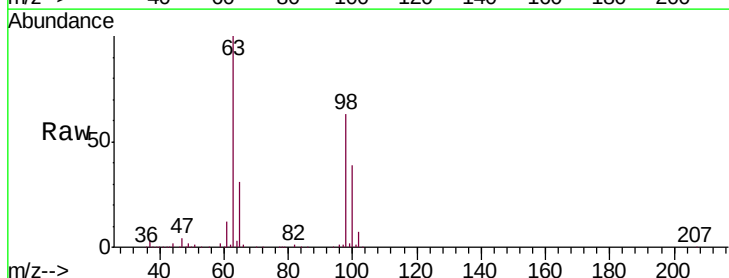
Tgt Ion: 96 Resp: 1752

Ion Ratio Lower Upper

96 100

61 1178.1 114.0 211.8#

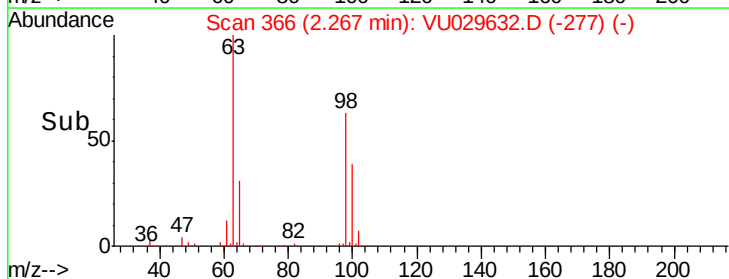
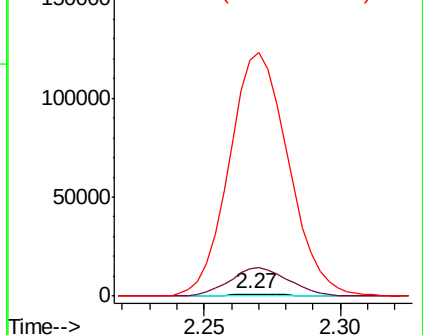
63 10177.0 98.7 183.3#

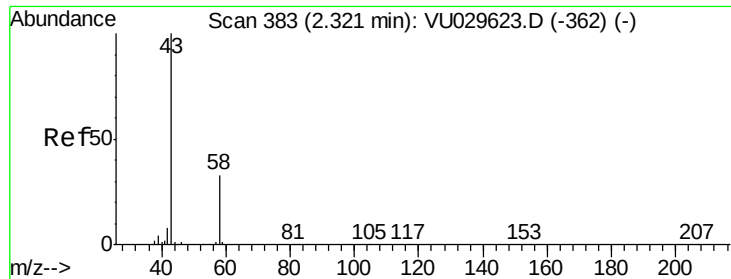


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.725 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

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MSVOA\_U

ClientSampleId :

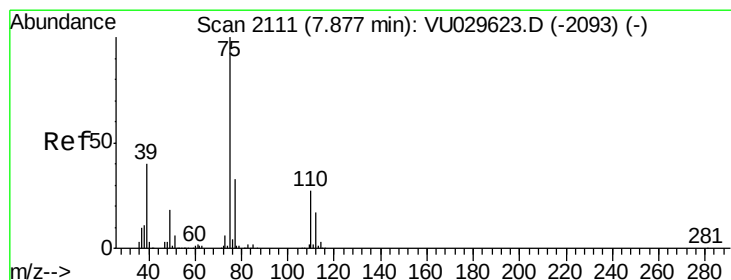
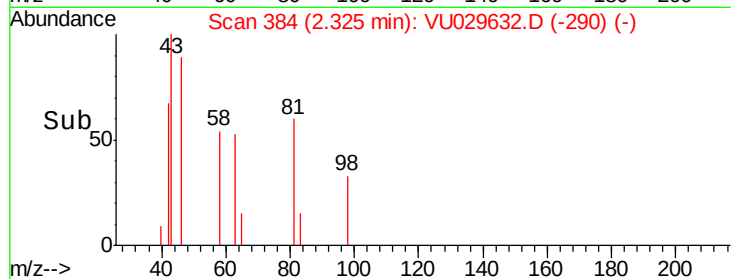
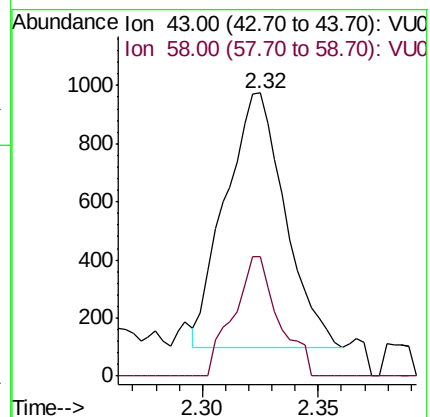
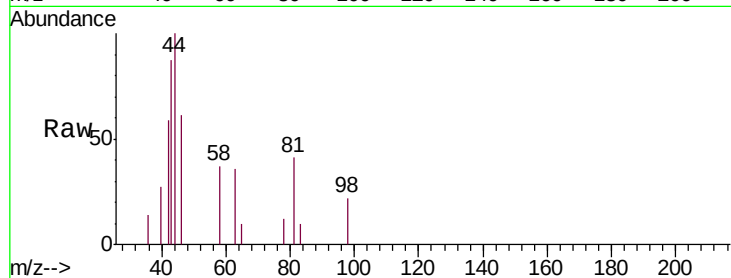
DB618

Tgt Ion: 43 Resp: 1556

Ion Ratio Lower Upper

43 100

58 34.4 0.0 66.8



#44

trans-1,3-Dichloropropene

Concen: 0.670 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU029632.D

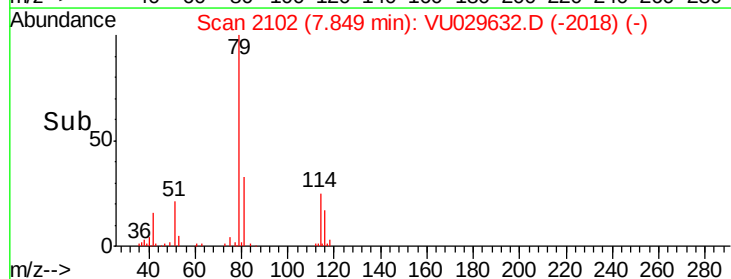
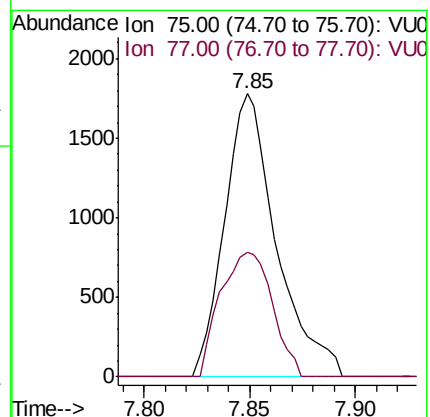
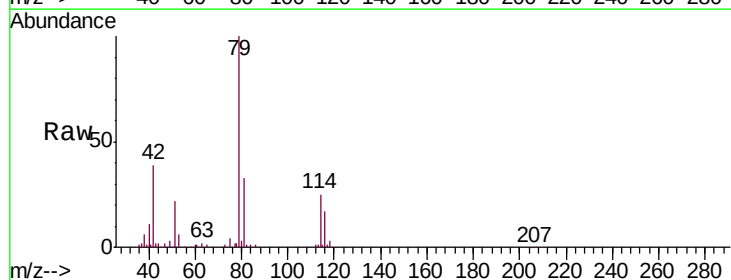
Acq: 22 Feb 2019 20:06

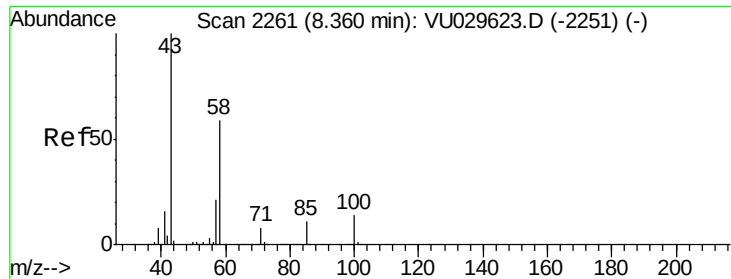
Tgt Ion: 75 Resp: 3034

Ion Ratio Lower Upper

75 100

77 44.2 22.1 41.1#

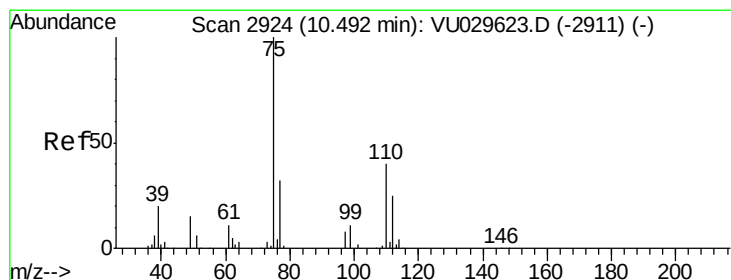
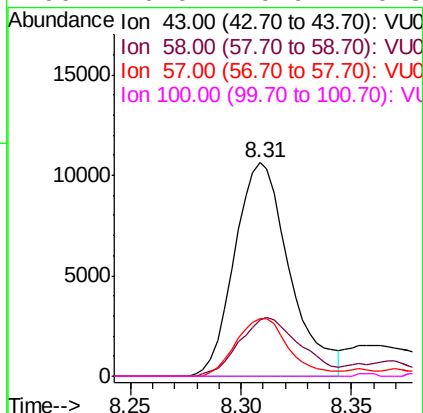
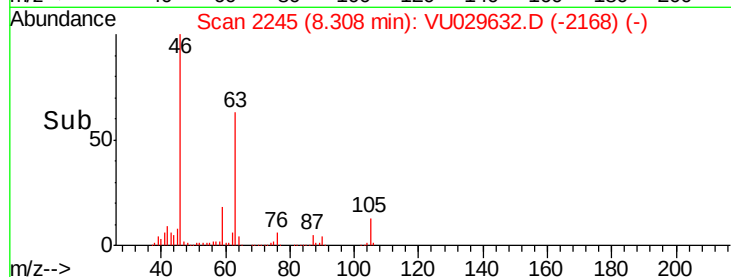
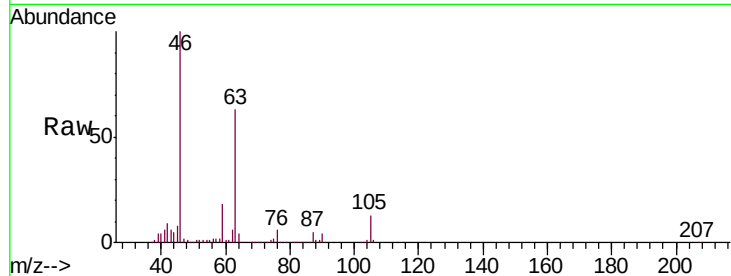




#48  
 2-Hexanone  
 Concen: 5.037 ug/L  
 RT: 8.31 min Scan# 2245  
 Delta R.T. -0.05 min  
 Lab File: VU029632.D  
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Tgt Ion: 43 Resp: 18418  
 Ion Ratio Lower Upper  
 43 100  
 58 30.6 46.4 69.6#  
 57 26.1 15.7 23.5#  
 100 0.0 10.9 16.3#



#59  
 1,2,3-Trichloropropane  
 Concen: 4.928 ug/L  
 RT: 11.48 min Scan# 3232  
 Delta R.T. 0.99 min  
 Lab File: VU029632.D  
 Acq: 22 Feb 2019 20:06

Tgt Ion: 75 Resp: 20914  
 Ion Ratio Lower Upper  
 75 100  
 77 38.6 25.7 38.5#

