

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU052819\  
 Data File : VU032326.D  
 Acq On : 28 May 2019 14:14  
 Operator : JC/SP  
 Sample : K3001-16  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

Quant Time: May 29 05:30:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM052819WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 29 05:27:35 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 817440   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 798711   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 349194   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 281249   | 46.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.36%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 234314   | 48.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.32%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 385585   | 36.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.04%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 400698   | 101.05   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 101.05% |
| 24) Chloroform-d               | 4.64    | 84    | 490784   | 46.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.08%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 305809   | 49.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.00%  |
| 32) Benzene-d6                 | 5.33    | 84    | 1040270  | 49.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.32%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 324279   | 49.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.74%  |
| 41) Toluene-d8                 | 7.56    | 98    | 944579   | 48.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.66%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 145304   | 48.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.60%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 271693   | 99.58    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 99.58%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 463585   | 46.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.32%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 357531   | 50.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.42% |

## Target Compounds

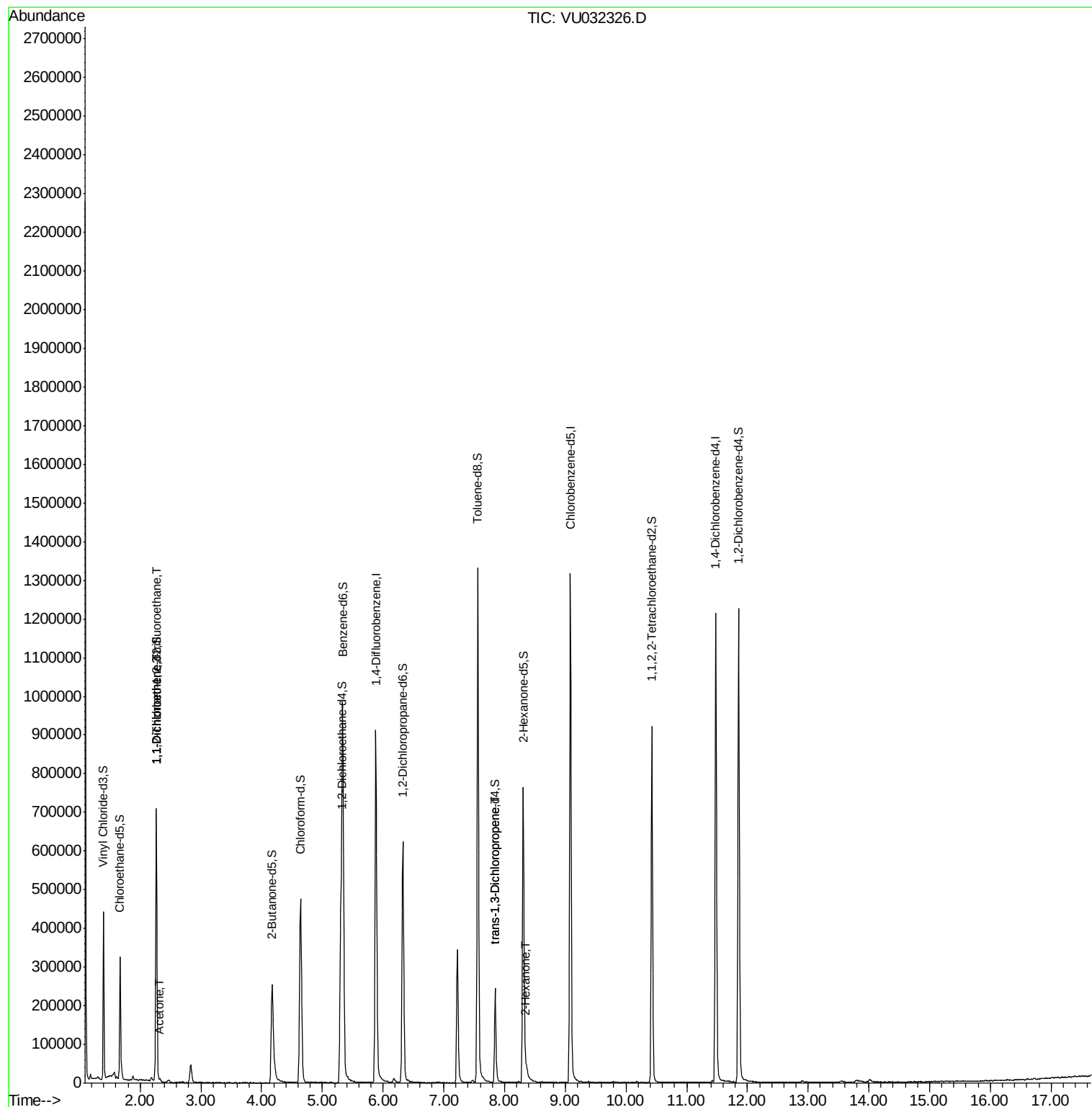
|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 4714  | 0.909 ug/L # | 30     |
| 12) 1,1-Dichloroethene         | 2.27 | 96  | 3904  | 0.738 ug/L # | 1      |
| 13) Acetone                    | 2.32 | 43  | 2055  | 0.550 ug/L   | 77     |
| 44) trans-1,3-Dichloropropene  | 7.85 | 75  | 6082  | 0.805 ug/L # | 74     |
| 48) 2-Hexanone                 | 8.36 | 43  | 12867 | 2.071 ug/L # | 79     |

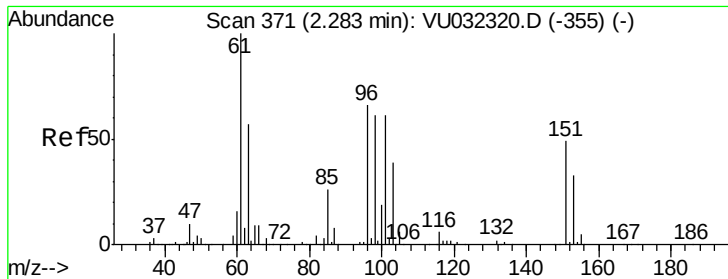
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 29 05:27:35 2019  
Response via : Initial Calibration





#10

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

Concen: 0.909 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032326.D

Acq: 28 May 2019 14:14

Instrument :

MSVOA\_U

ClientSampleId :

VHBLK01

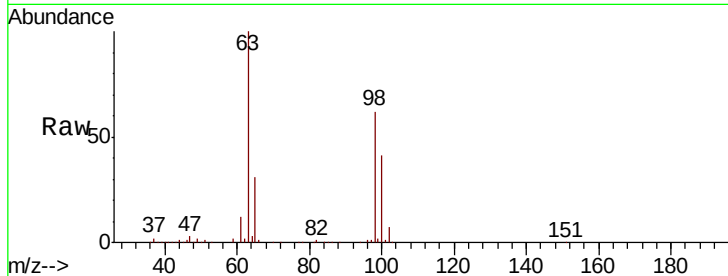
Tgt Ion:101 Resp: 4714

Ion Ratio Lower Upper

101 100

85 5.0 33.4 50.0#

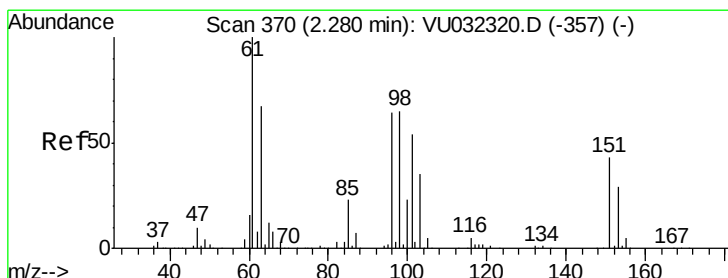
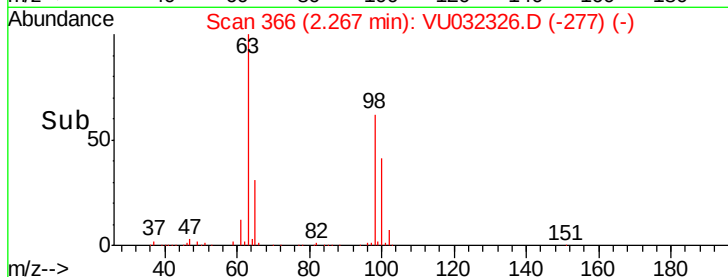
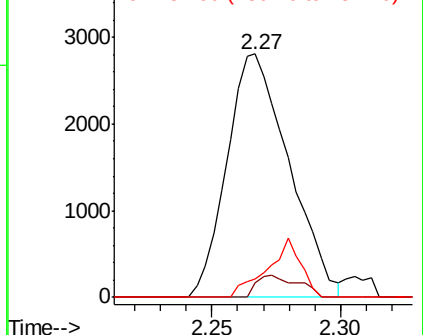
151 13.1 63.7 95.5#



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: 0.738 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032326.D

Acq: 28 May 2019 14:14

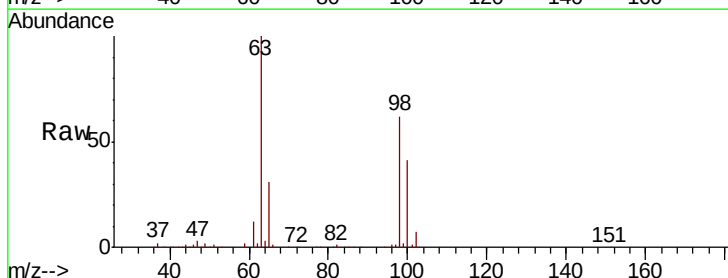
Tgt Ion: 96 Resp: 3904

Ion Ratio Lower Upper

96 100

61 1298.7 109.8 203.8#

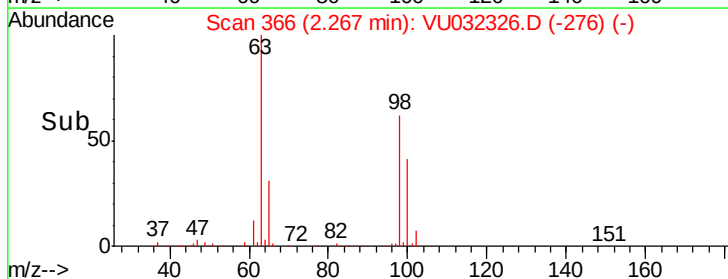
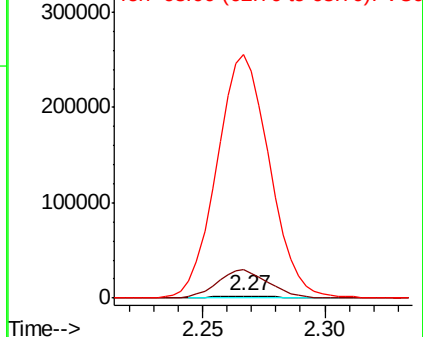
63 11277.0 74.4 138.2#

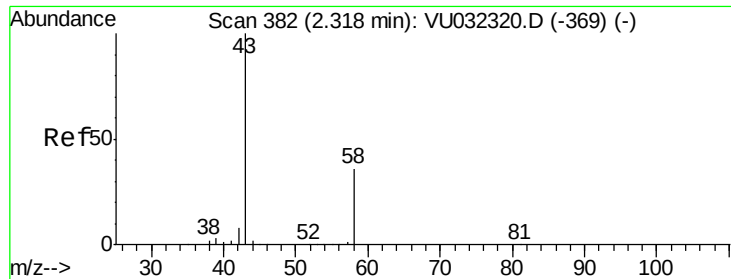


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.550 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032326.D

Acq: 28 May 2019 14:14

Instrument :

MSVOA\_U

ClientSampleId :

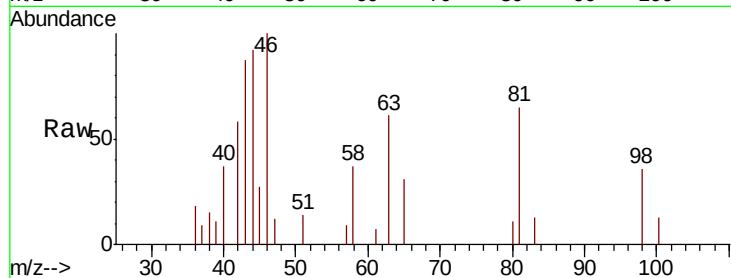
VHBLK01

Tgt Ion: 43 Resp: 2055

Ion Ratio Lower Upper

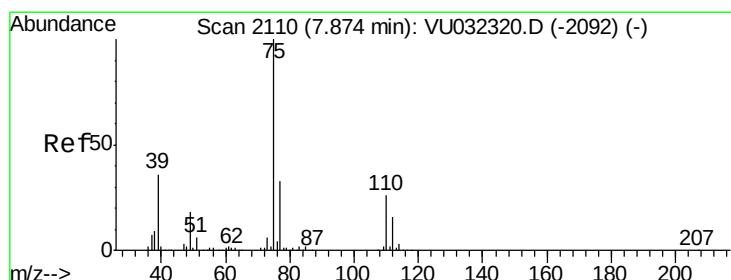
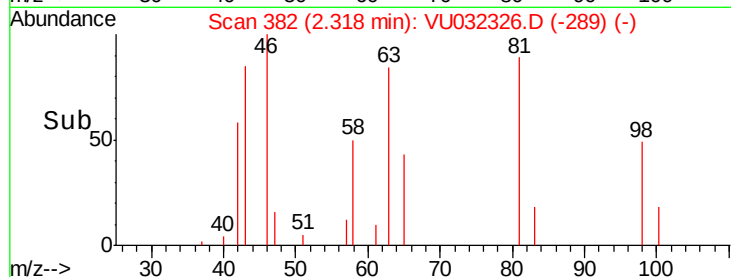
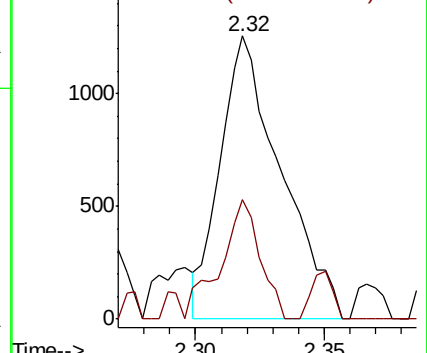
43 100

58 22.9 0.0 73.6



Abundance Ion 43.00 (42.70 to 43.70): VU032326.D (-369) (-)

Ion 58.00 (57.70 to 58.70): VU032326.D (-369) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.805 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032326.D

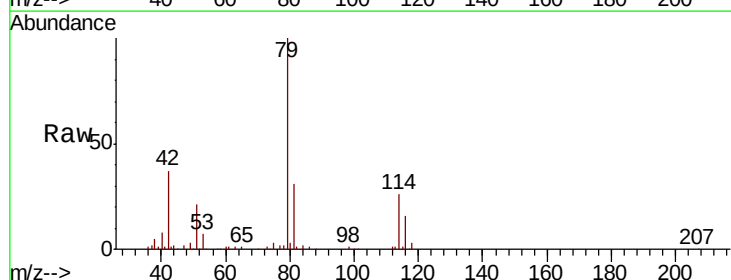
Acq: 28 May 2019 14:14

Tgt Ion: 75 Resp: 6082

Ion Ratio Lower Upper

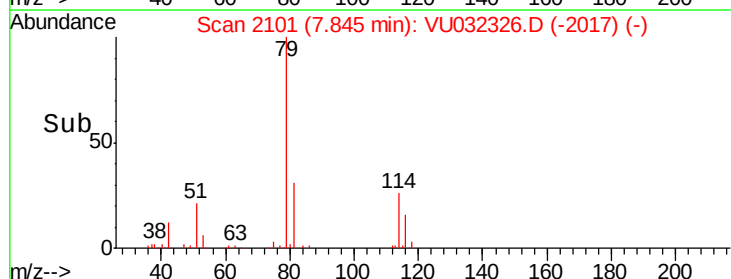
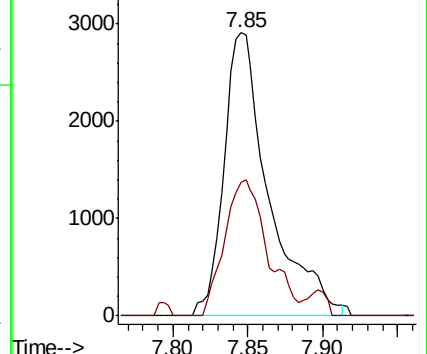
75 100

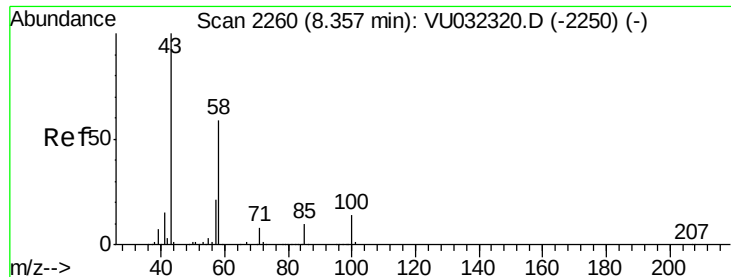
77 47.4 23.0 42.6#



Abundance Ion 75.00 (74.70 to 75.70): VU032326.D (-2101) (-)

Ion 77.00 (76.70 to 77.70): VU032326.D (-2101) (-)





#48

2-Hexanone

Concen: 2.071 ug/L

RT: 8.36 min Scan# 2261

Delta R.T. 0.00 min

Lab File: VU032326.D

Acq: 28 May 2019 14:14

Instrument :

MSVOA\_U

ClientSampleId :

VHBLK01

Tgt Ion: 43 Resp: 12867

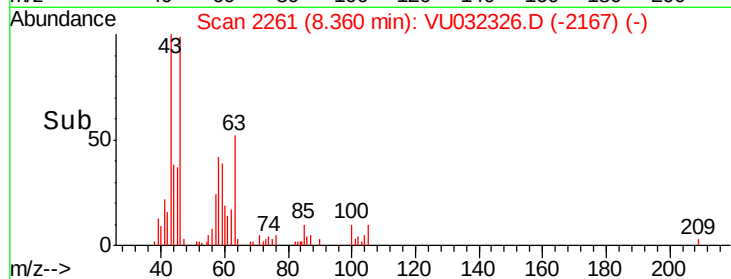
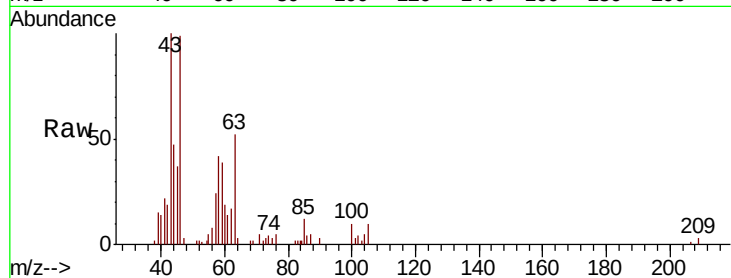
Ion Ratio Lower Upper

43 100

58 41.4 48.6 73.0#

57 26.8 17.0 25.4#

100 7.4 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

