

Data File : VU032655.D  
Acq On : 12 Jun 2019 16:32  
Operator : JC/SP  
Sample : VU0612WBL02  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK59

Quant Time: Jun 13 06:00:53 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 13 05:57:37 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 168674   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 159621   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 82663    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 44602    | 40.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 81.52%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 38486    | 43.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.52%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 70279    | 32.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.60%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 91577    | 100.00   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.00% |
| 24) Chloroform-d               | 4.64    | 84    | 96845    | 47.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.90%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 65929    | 51.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.56% |
| 32) Benzene-d6                 | 5.33    | 84    | 188752   | 45.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.10%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 62762    | 48.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.60%  |
| 41) Toluene-d8                 | 7.56    | 98    | 169539   | 43.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.30%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 28633    | 46.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.10%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 59601    | 94.56    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.56%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 93243    | 49.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.04%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 75797    | 47.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.74%  |

#### Target Compounds

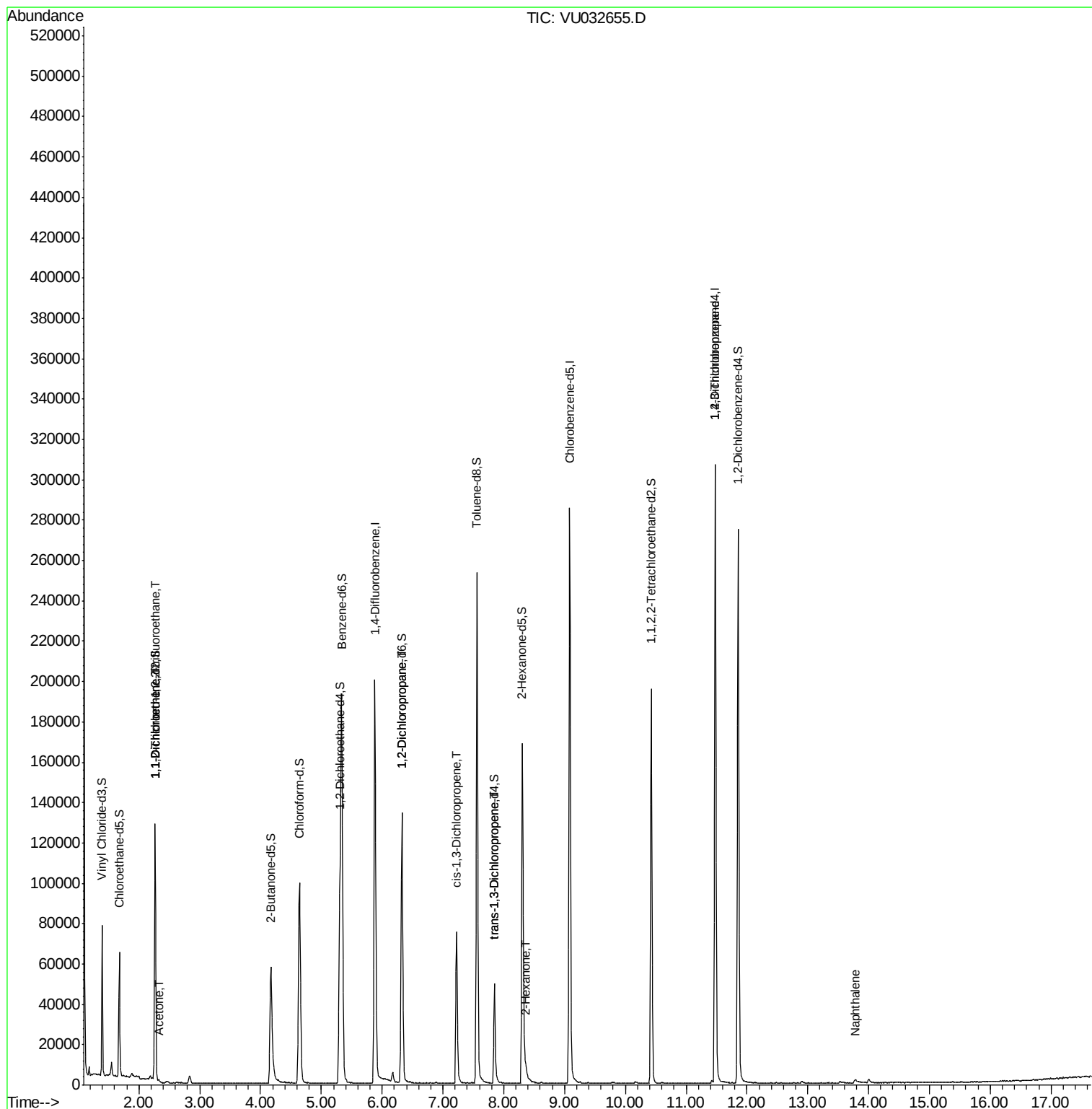
|                                |       |     |       |       |        | Qvalue |
|--------------------------------|-------|-----|-------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 706   | 0.685 | ug/L # | 18     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 651   | 0.650 | ug/L # | 1      |
| 13) Acetone                    | 2.32  | 43  | 845   | 0.894 | ug/L # | 43     |
| 37) 1,2-Dichloropropane        | 6.32  | 63  | 7248  | 6.097 | ug/L # | 88     |
| 39) cis-1,3-Dichloropropene    | 7.22  | 75  | 1989  | 1.060 | ug/L # | 72     |
| 44) trans-1,3-Dichloropropene  | 7.84  | 75  | 1469  | 0.882 | ug/L   | 98     |
| 48) 2-Hexanone                 | 8.36  | 43  | 3036  | 1.933 | ug/L # | 75     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 10105 | 6.538 | ug/L   | 92     |
| 69) Naphthalene                | 13.77 | 128 | 1650  | 0.317 | ug/L # | 88     |

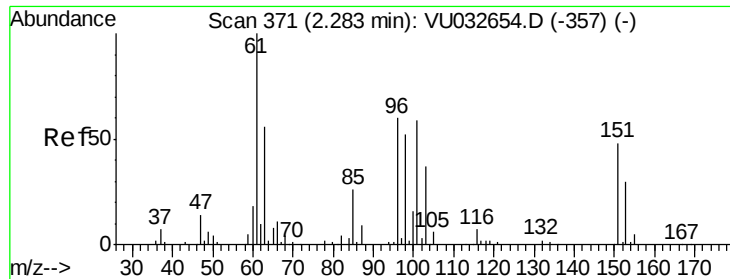
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.685 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU032655.D

Acq: 12 Jun 2019 16:32

Instrument :

MSVOA\_U

ClientSampleId :

VBLK59

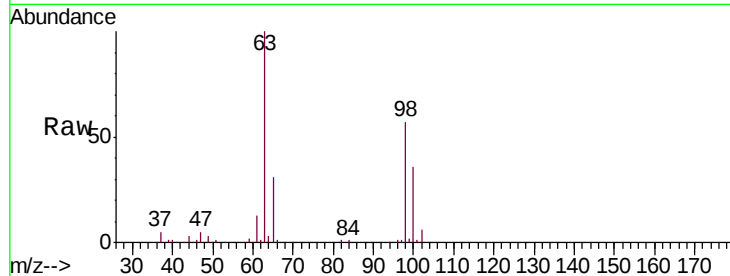
Tgt Ion: 101 Resp: 706

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

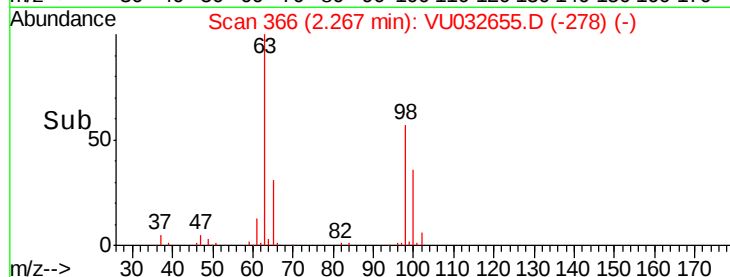
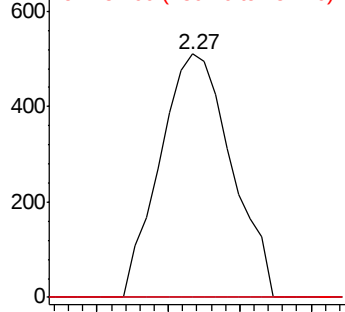
151 0.0 63.0 94.4#



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: 0.650 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032655.D

Acq: 12 Jun 2019 16:32

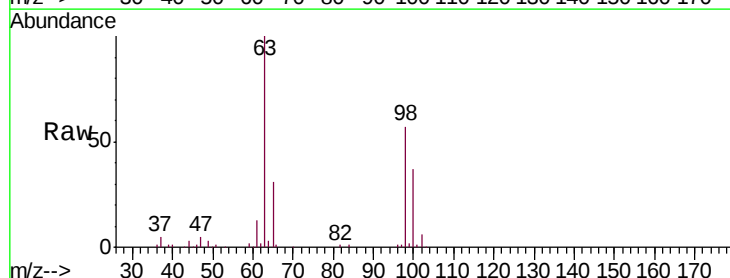
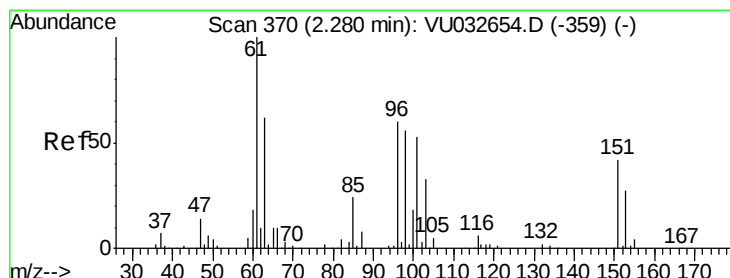
Tgt Ion: 96 Resp: 651

Ion Ratio Lower Upper

96 100

61 1301.6 129.5 240.5#

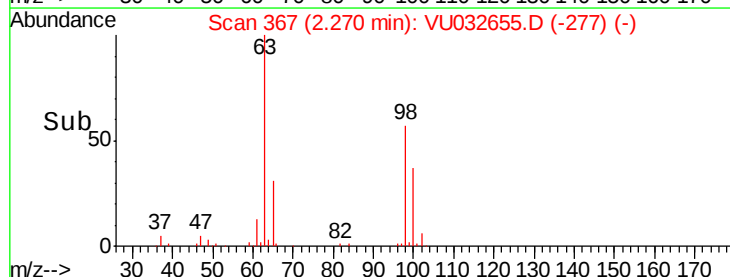
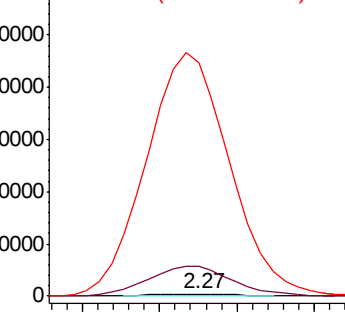
63 10159.5 103.4 192.0#

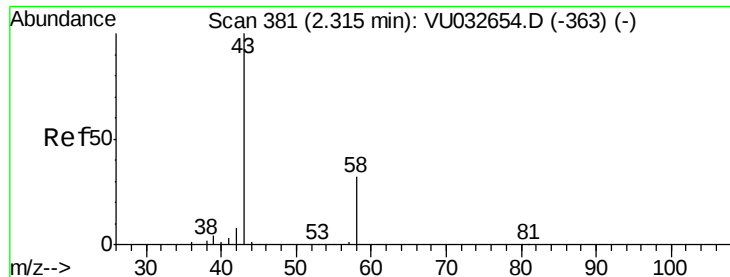


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.894 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032655.D

Acq: 12 Jun 2019 16:32

Instrument :

MSVOA\_U

ClientSampleId :

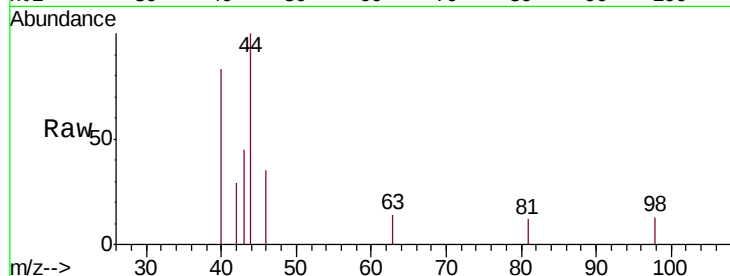
VBLK59

Tgt Ion: 43 Resp: 845

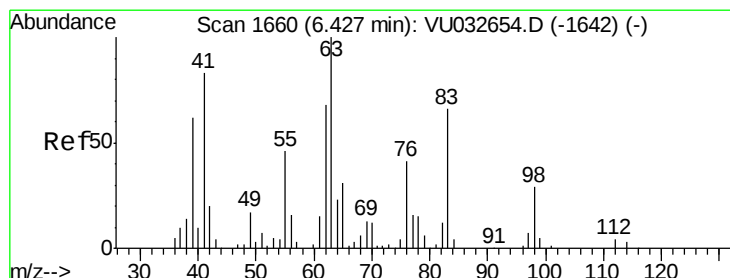
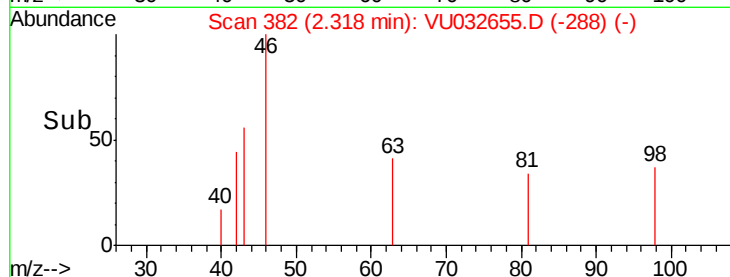
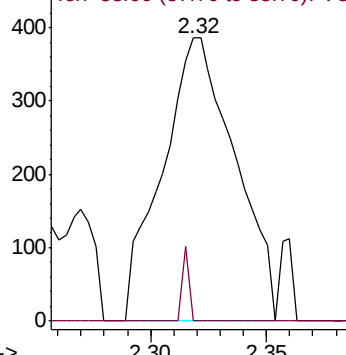
Ion Ratio Lower Upper

43 100

58 0.0 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032655.D (-288) (-)



#37

1,2-Dichloropropane

Concen: 6.097 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032655.D

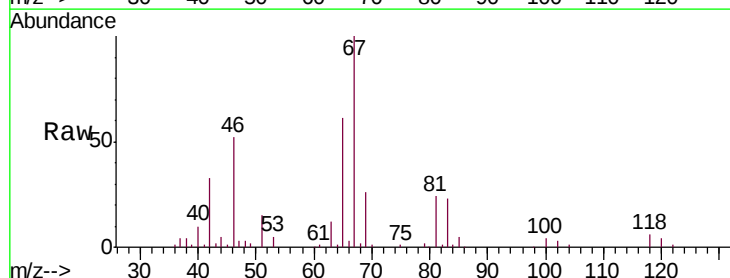
Acq: 12 Jun 2019 16:32

Tgt Ion: 63 Resp: 7248

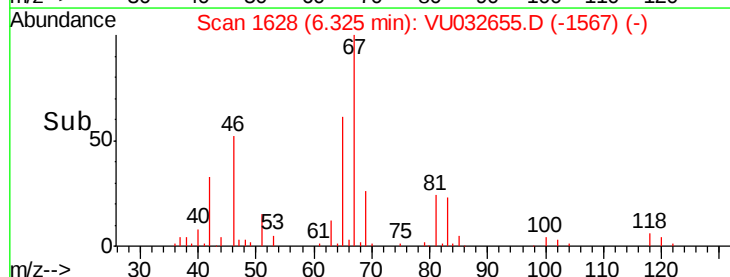
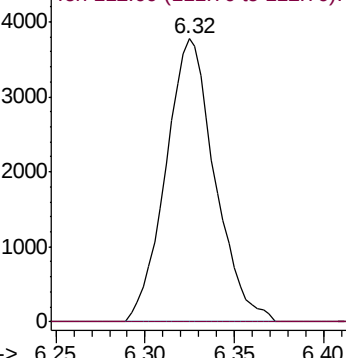
Ion Ratio Lower Upper

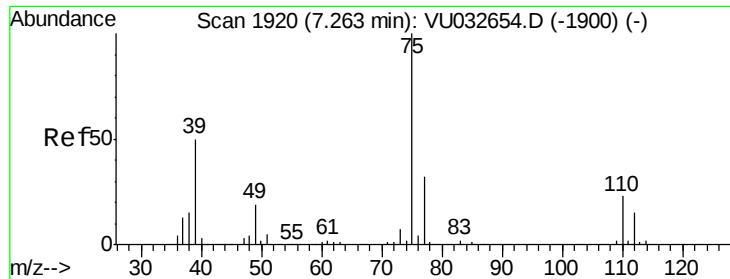
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU032655.D (-1567) (-)

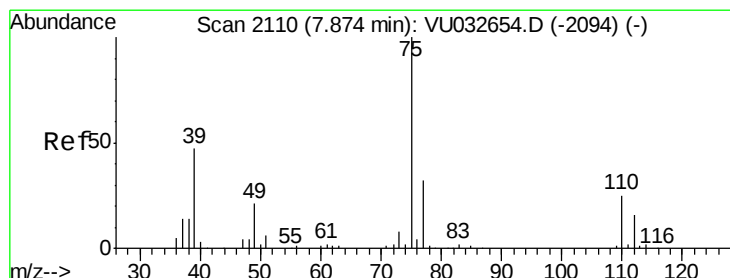
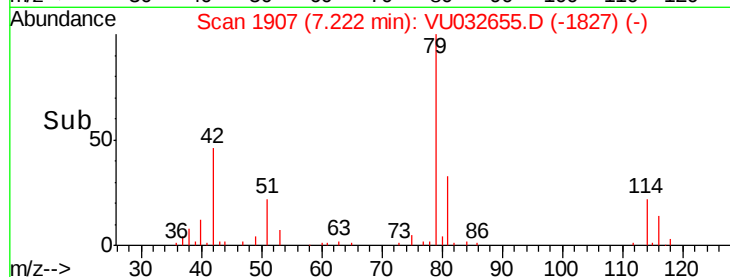
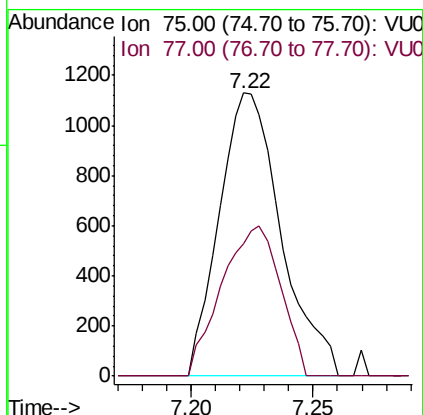
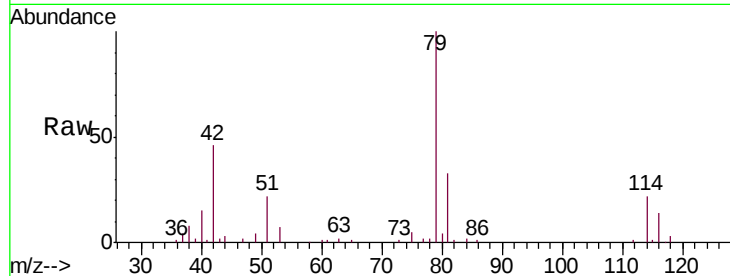




#39  
 cis-1,3-Dichloropropene  
 Concen: 1.060 ug/L  
 RT: 7.22 min Scan# 1907  
 Delta R.T. -0.04 min  
 Lab File: VU032655.D  
 Acq: 12 Jun 2019 16:32

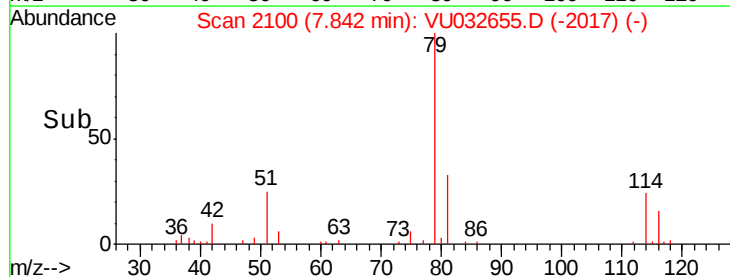
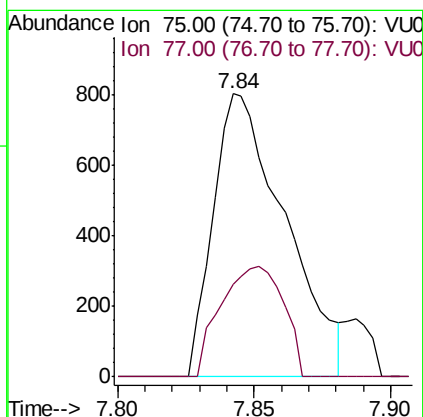
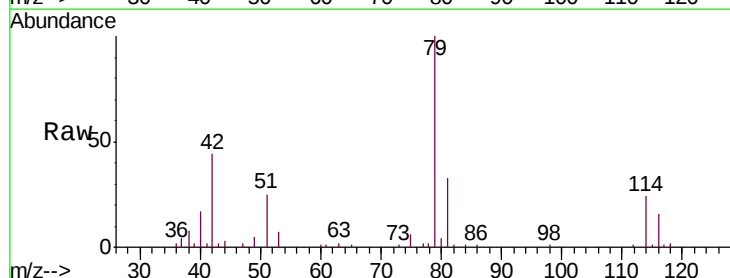
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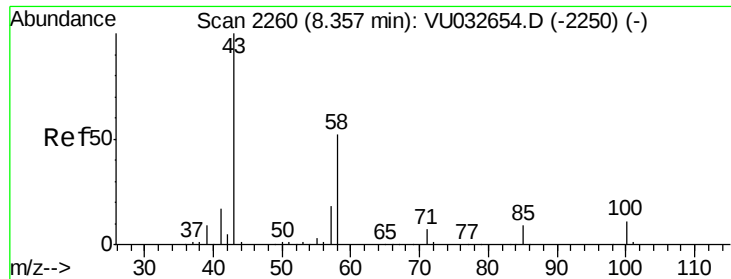
Tgt Ion: 75 Resp: 1989  
 Ion Ratio Lower Upper  
 75 100  
 77 46.9 22.0 41.0#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.882 ug/L  
 RT: 7.84 min Scan# 2100  
 Delta R.T. -0.03 min  
 Lab File: VU032655.D  
 Acq: 12 Jun 2019 16:32

Tgt Ion: 75 Resp: 1469  
 Ion Ratio Lower Upper  
 75 100  
 77 32.7 22.1 41.1

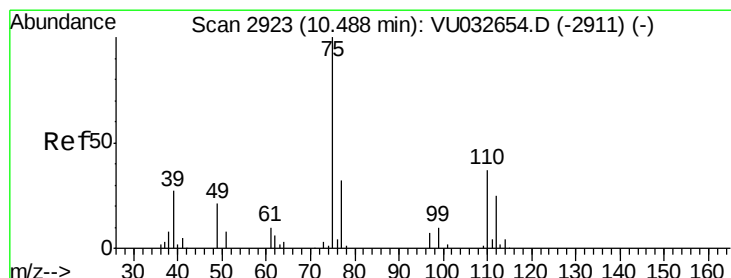
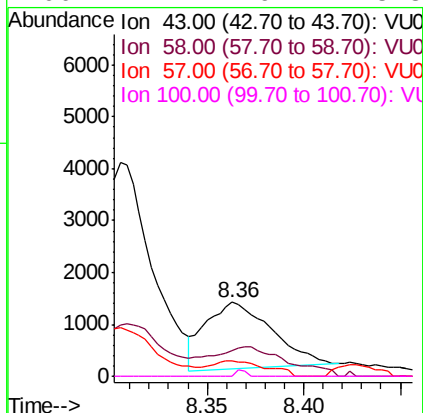
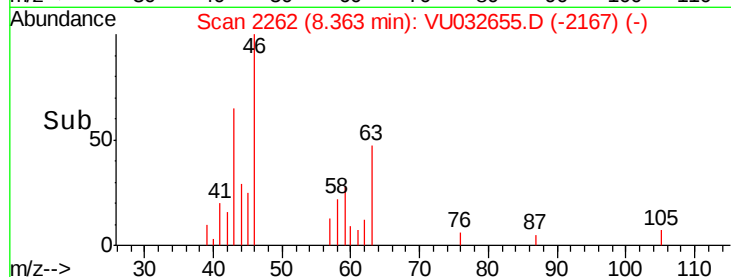
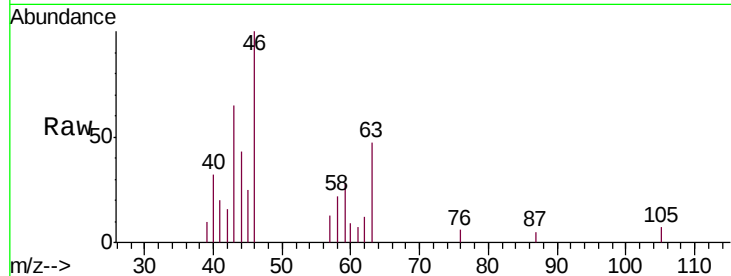




#48  
2-Hexanone  
Concen: 1.933 ug/L  
RT: 8.36 min Scan# 2262  
Delta R.T. 0.01 min  
Lab File: VU032655.D  
Acq: 12 Jun 2019 16:32

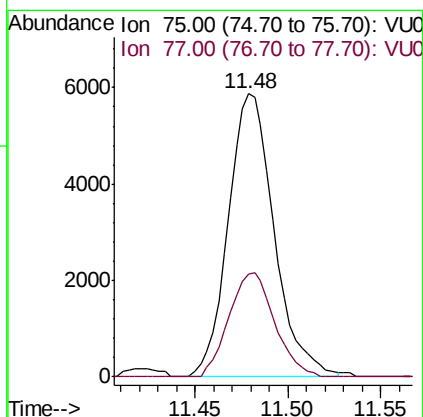
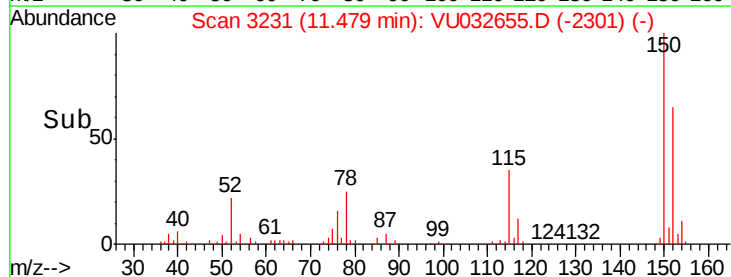
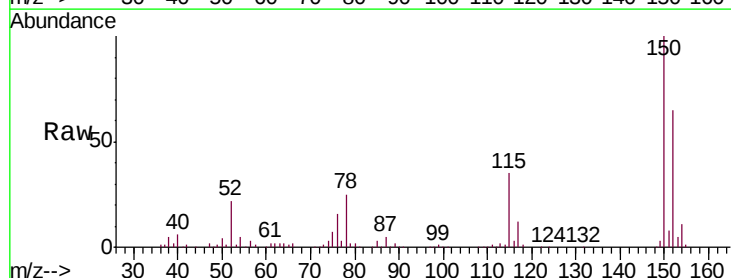
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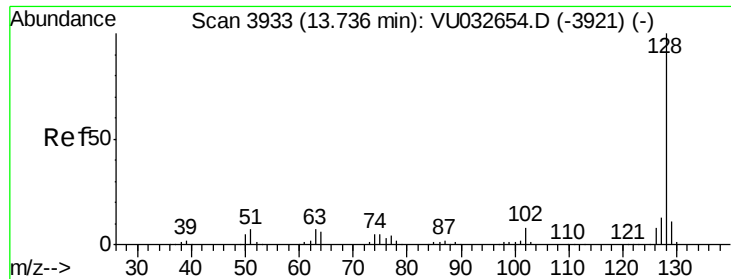
Tgt Ion: 43 Resp: 3036  
Ion Ratio Lower Upper  
43 100  
58 37.0 42.0 63.0#  
57 3.0 14.6 22.0#  
100 1.4 9.2 13.8#



#59  
1,2,3-Trichloropropane  
Concen: 6.538 ug/L  
RT: 11.48 min Scan# 3231  
Delta R.T. 0.99 min  
Lab File: VU032655.D  
Acq: 12 Jun 2019 16:32

Tgt Ion: 75 Resp: 10105  
Ion Ratio Lower Upper  
75 100  
77 36.5 25.6 38.4





#69

Naphthalene

Concen: 0.317 ug/L

RT: 13.77 min Scan# 3945

Delta R.T. 0.04 min

Lab File: VU032655.D

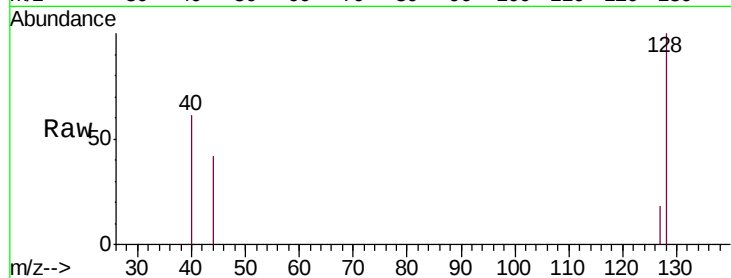
Acq: 12 Jun 2019 16:32

Instrument :

MSVOA\_U

ClientSampleId :

VBLK59



Tgt Ion:128 Resp: 1650

Ion Ratio Lower Upper

128 100

127 17.1 10.4 15.6#

129 5.4 8.5 12.7#

