

Data File : VU028978.D  
Acq On : 27 Dec 2018 21:03  
Operator : MD/SY  
Sample : J6507-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK02

Quant Time: Dec 28 03:12:51 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR122818WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Dec 28 03:05:23 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 117697   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 111592   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 52698    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 30114    | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.60%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 26635    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 96.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 43129    | 3.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 64.80%  |
| 20) 2-Butanone-d5              | 4.20   | 46    | 85460    | 51.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 103.82% |
| 24) Chloroform-d               | 4.65   | 84    | 57874    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 30410    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.40%  |
| 32) Benzene-d6                 | 5.34   | 84    | 124387   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 41014    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.40%  |
| 41) Toluene-d8                 | 7.57   | 98    | 110469   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.40%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 14417    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 92.00%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 71001    | 49.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 99.34%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 32161    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 43108    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 97.80%  |

#### Target Compounds

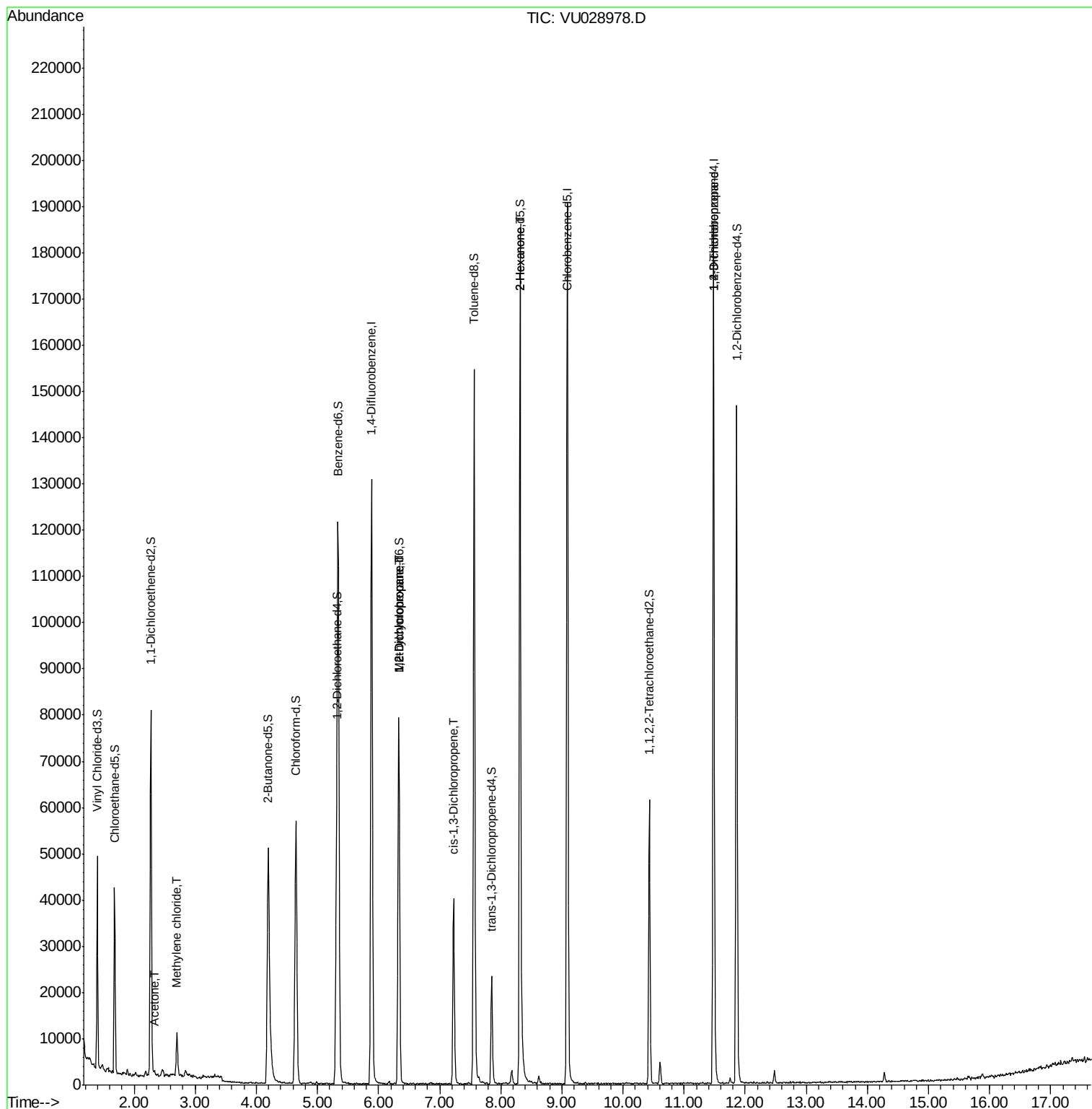
|                             |       |    |      |       | Qvalue |    |
|-----------------------------|-------|----|------|-------|--------|----|
| 13) Acetone                 | 2.33  | 43 | 671  | 0.505 | ug/L # | 39 |
| 16) Methylene chloride      | 2.70  | 84 | 4264 | 0.353 | ug/L   | 87 |
| 35) Methylcyclohexane       | 6.33  | 83 | 8712 | 0.556 | ug/L # | 19 |
| 37) 1,2-Dichloropropane     | 6.33  | 63 | 3766 | 0.414 | ug/L # | 89 |
| 39) cis-1,3-Dichloropropene | 7.23  | 75 | 796  | 0.061 | ug/L # | 54 |
| 48) 2-Hexanone              | 8.31  | 43 | 6990 | 2.089 | ug/L # | 65 |
| 59) 1,2,3-Trichloropropane  | 11.48 | 75 | 6103 | 1.152 | ug/L   | 95 |

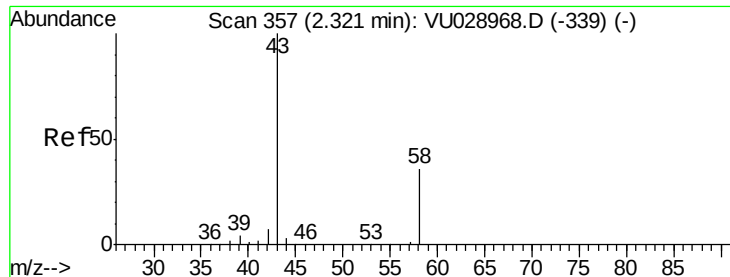
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 0.505 ug/L

RT: 2.33 min Scan# 360

Delta R.T. 0.01 min

Lab File: VU028978.D

Acq: 27 Dec 2018 21:03

Instrument :

MSVOA\_U

ClientSampleId :

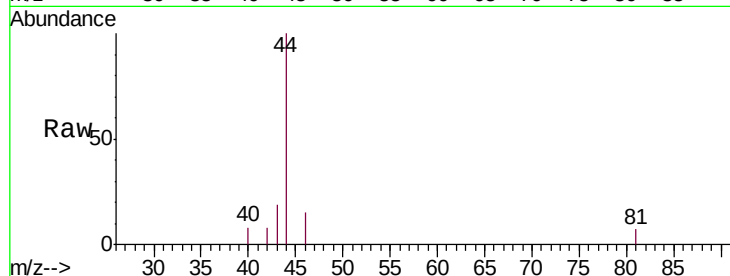
VHBLK02

Tgt Ion: 43 Resp: 671

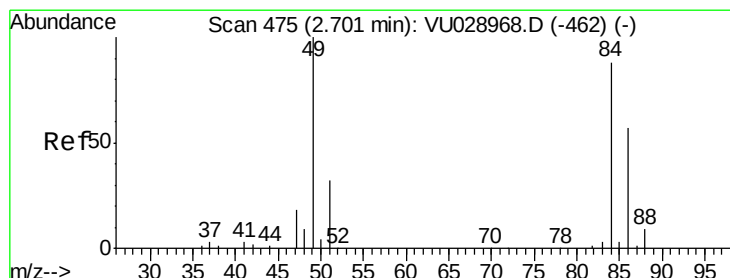
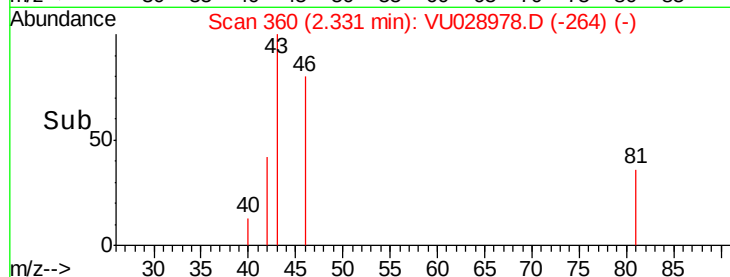
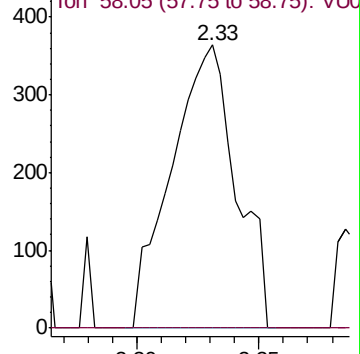
Ion Ratio Lower Upper

43 100

58 0.0 0.0 71.8



Abundance Ion 43.05 (42.75 to 43.75): VU028978.D (-264) (-)



#16

Methylene chloride

Concen: 0.353 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU028978.D

Acq: 27 Dec 2018 21:03

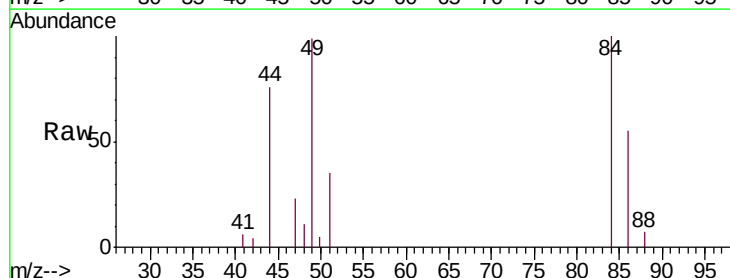
Tgt Ion: 84 Resp: 4264

Ion Ratio Lower Upper

84 100

86 55.0 45.6 84.6

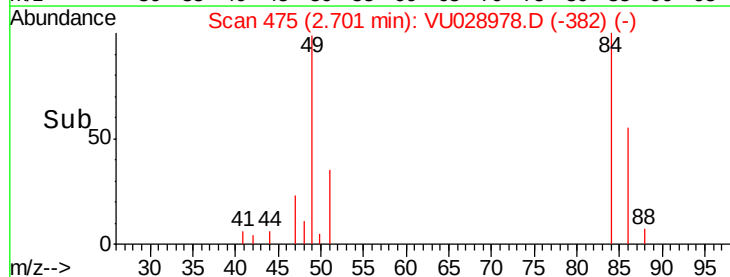
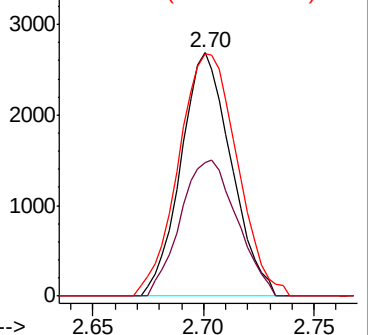
49 99.4 79.7 148.1

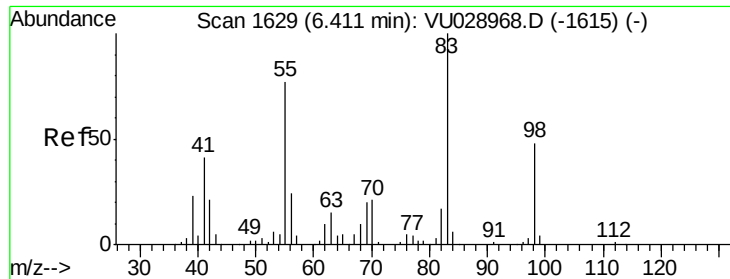


Abundance Ion 84.05 (83.75 to 84.75): VU028978.D (-382) (-)

Ion 86.00 (85.70 to 86.70): VU028978.D (-382) (-)

Ion 49.10 (48.80 to 49.80): VU028978.D (-382) (-)

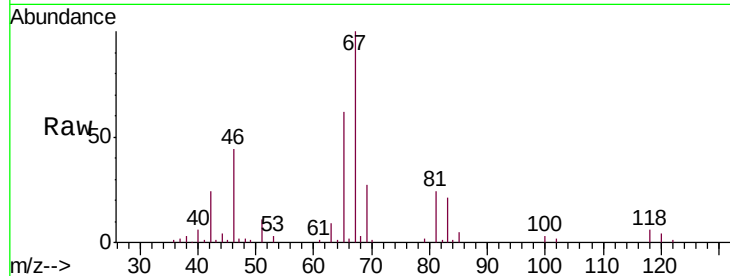




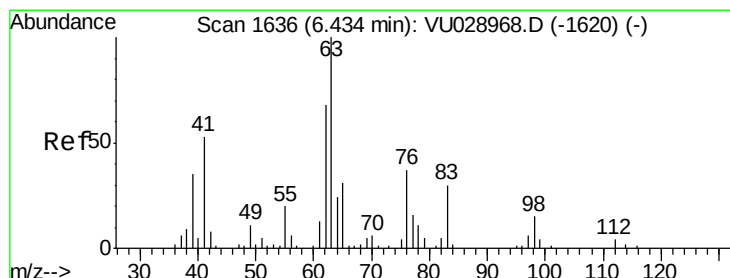
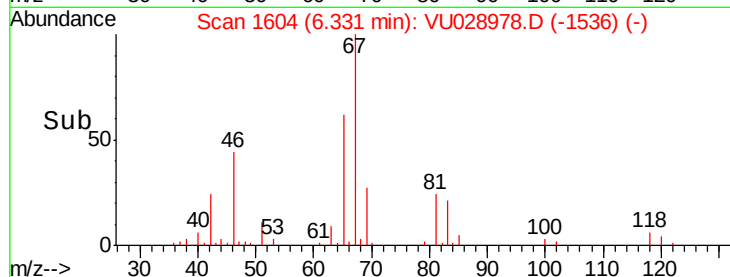
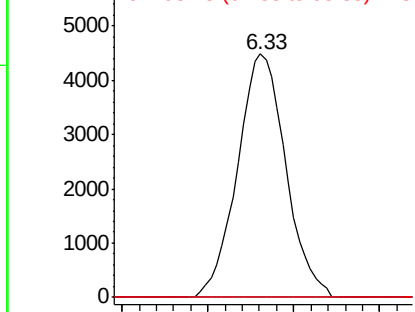
#35  
Methylcyclohexane  
Concen: 0.556 ug/L  
RT: 6.33 min Scan# 1604  
Delta R.T. -0.08 min  
Lab File: VU028978.D  
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Tgt Ion: 83 Resp: 8712  
Ion Ratio Lower Upper  
83 100  
55 0.0 59.8 89.6#  
98 0.7 37.0 55.6#

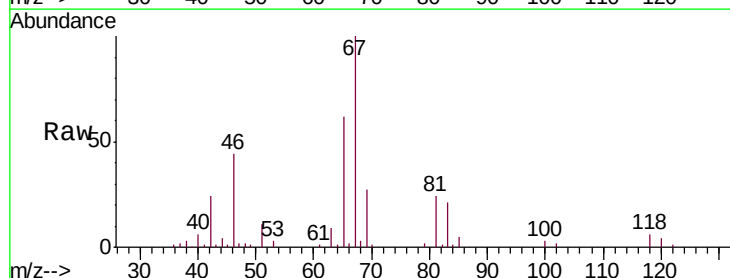


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

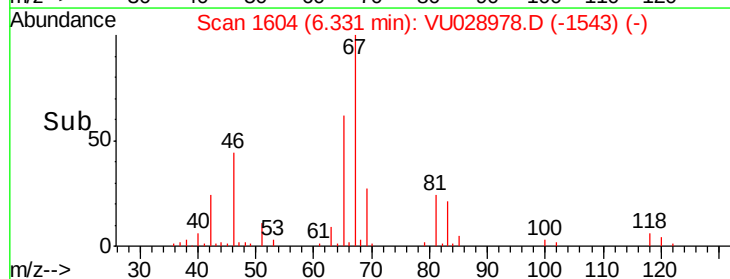
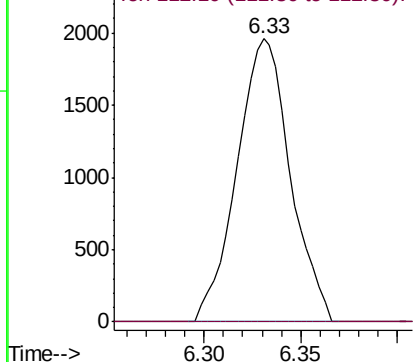


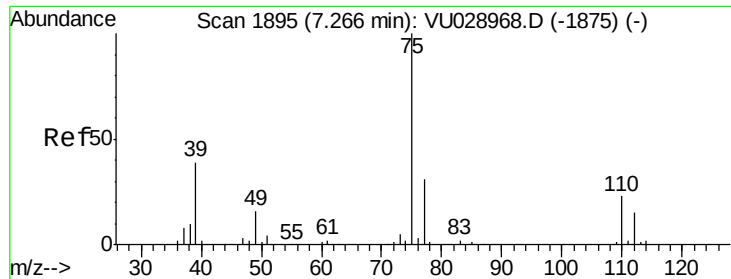
#37  
1,2-Dichloropropane  
Concen: 0.414 ug/L  
RT: 6.33 min Scan# 1604  
Delta R.T. -0.10 min  
Lab File: VU028978.D  
Acq: 27 Dec 2018 21:03

Tgt Ion: 63 Resp: 3766  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V

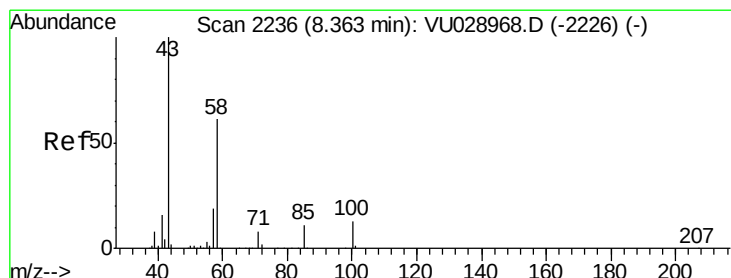
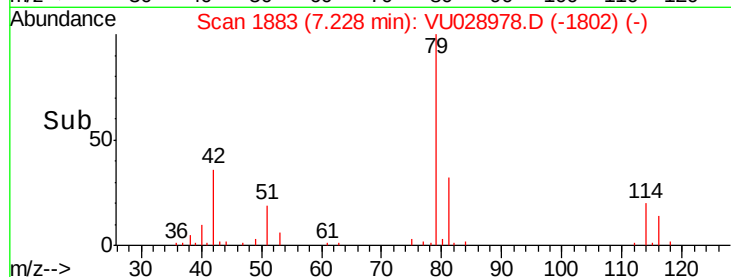
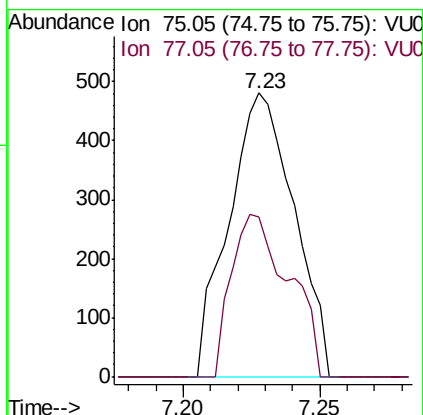
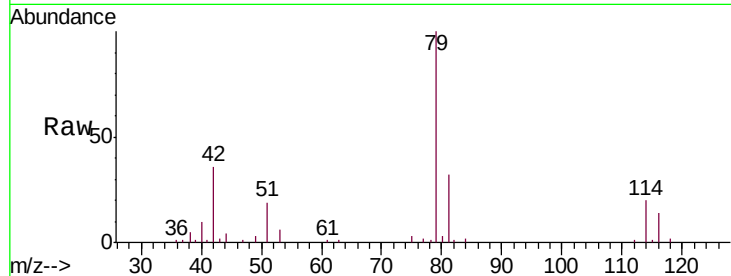




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.061 ug/L  
 RT: 7.23 min Scan# 1883  
 Delta R.T. -0.04 min  
 Lab File: VU028978.D  
 Acq: 27 Dec 2018 21:03

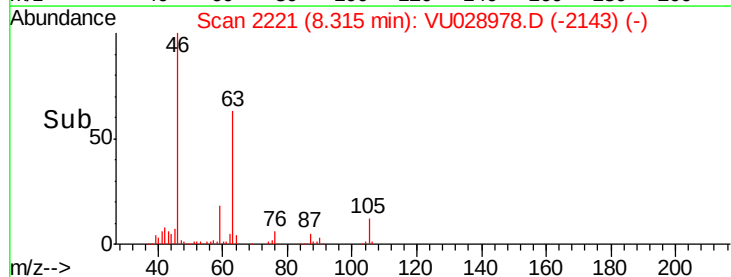
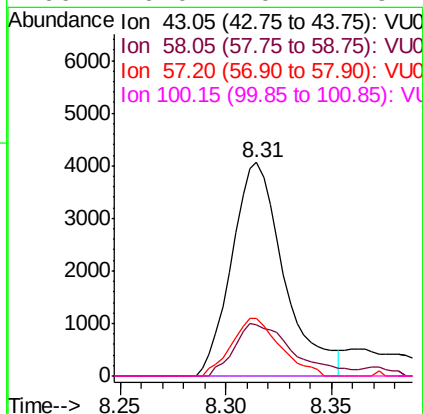
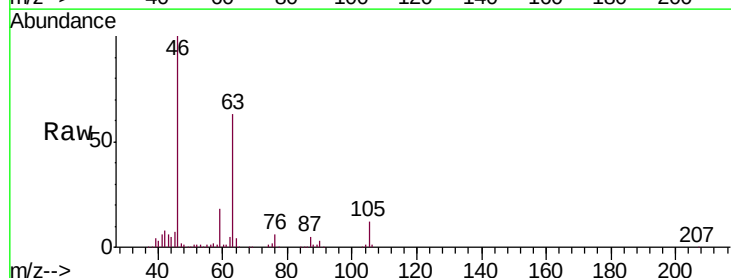
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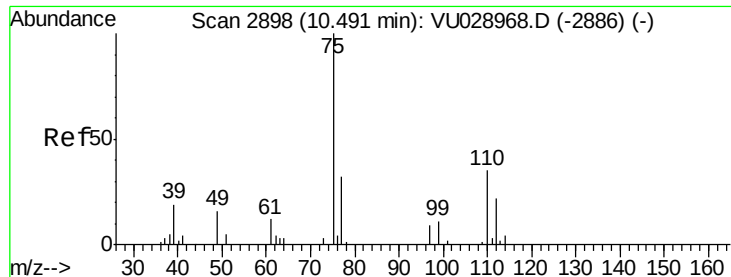
Tgt Ion: 75 Resp: 796  
 Ion Ratio Lower Upper  
 75 100  
 77 56.1 21.5 39.9#



#48  
 2-Hexanone  
 Concen: 2.089 ug/L  
 RT: 8.31 min Scan# 2221  
 Delta R.T. -0.05 min  
 Lab File: VU028978.D  
 Acq: 27 Dec 2018 21:03

Tgt Ion: 43 Resp: 6990  
 Ion Ratio Lower Upper  
 43 100  
 58 27.8 48.8 73.2#  
 57 25.2 16.0 24.0#  
 100 0.0 10.2 15.4#





#59

1,2,3-Trichloropropane

Concen: 1.152 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028978.D

Acq: 27 Dec 2018 21:03

Instrument :

MSVOA\_U

ClientSampleId :

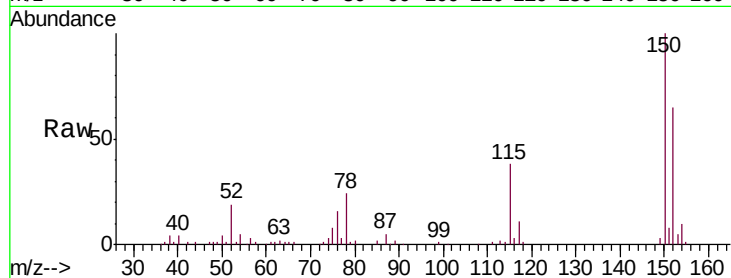
VHBLK02

Tgt Ion: 75 Resp: 6103

Ion Ratio Lower Upper

75 100

77 35.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

