

Data File : VU034608.D  
Acq On : 17 Sep 2019 12:18  
Operator : JC/SP  
Sample : K4894-07  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
COMQ8

Quant Time: Sep 18 04:34:11 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091619WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Sep 18 04:30:59 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 237770   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 216546   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 86702    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 53470    | 46.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.22%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 47263    | 53.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 107.14% |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 90295    | 38.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.94%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 149691   | 115.73   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 115.73% |
| 24) Chloroform-d               | 4.62    | 84    | 138802   | 53.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.60% |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 90472    | 56.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 113.86% |
| 32) Benzene-d6                 | 5.32    | 84    | 260355   | 54.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 109.36% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 101337   | 57.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 114.34% |
| 41) Toluene-d8                 | 7.54    | 98    | 244455   | 52.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.76% |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 45845    | 54.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 108.44% |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 106090   | 110.34   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 110.34% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 148551   | 53.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 107.28% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 83884    | 54.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.48% |

#### Target Compounds

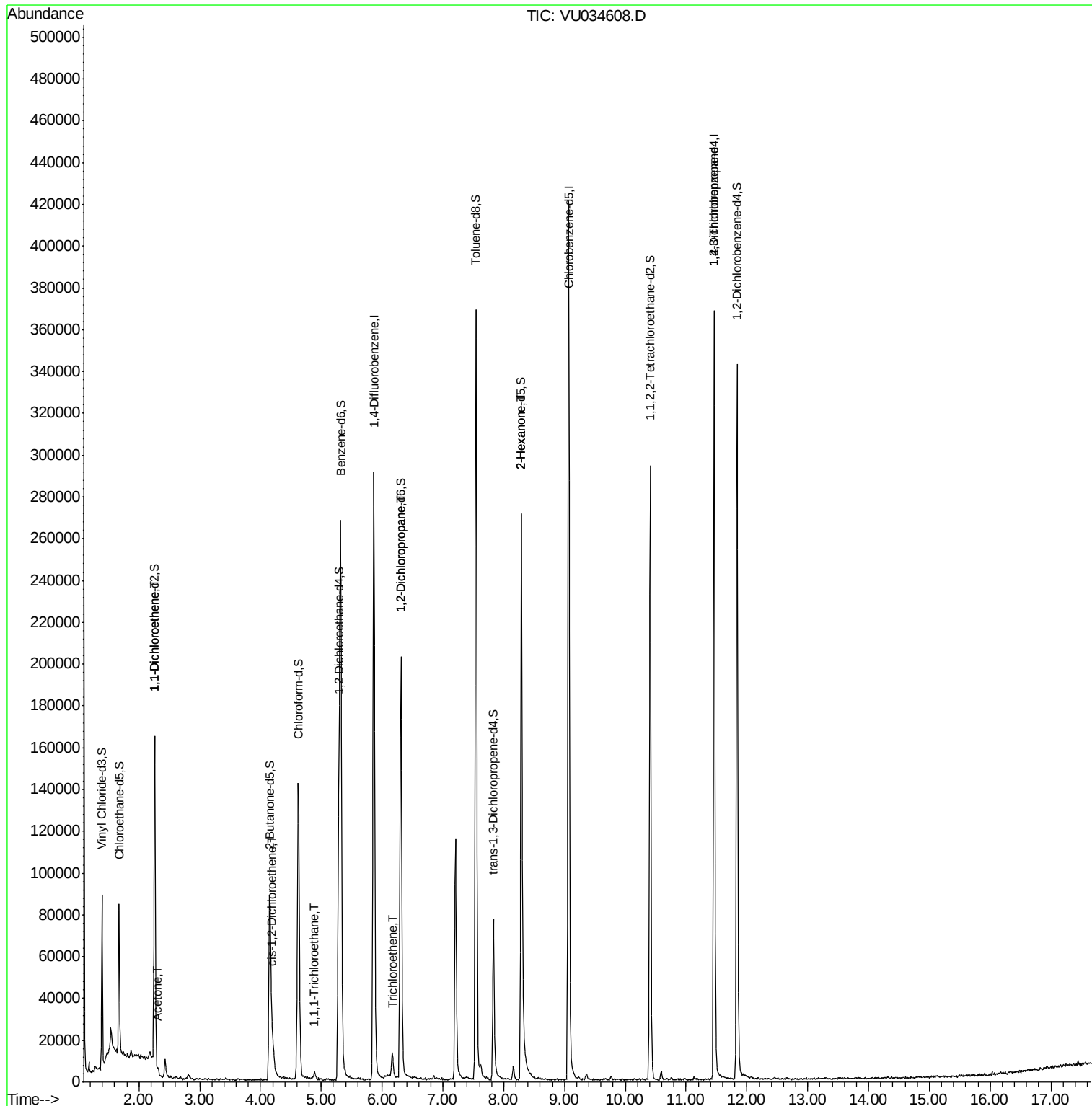
|                            |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene     | 2.27  | 96 | 5898  | 5.219 ug/L # | 1      |
| 13) Acetone                | 2.31  | 43 | 2059  | 1.771 ug/L   | 90     |
| 20) cis-1,2-Dichloroethene | 4.19  | 96 | 2033  | 1.298 ug/L   | 85     |
| 30) 1,1,1-Trichloroethane  | 4.89  | 97 | 2311  | 1.068 ug/L # | 88     |
| 34) Trichloroethene        | 6.16  | 95 | 4119  | 3.010 ug/L   | 85     |
| 37) 1,2-Dichloropropane    | 6.31  | 63 | 10728 | 6.435 ug/L # | 89     |
| 48) 2-Hexanone             | 8.29  | 43 | 11360 | 5.214 ug/L # | 58     |
| 59) 1,2,3-Trichloropropane | 11.46 | 75 | 14615 | 6.418 ug/L   | 96     |

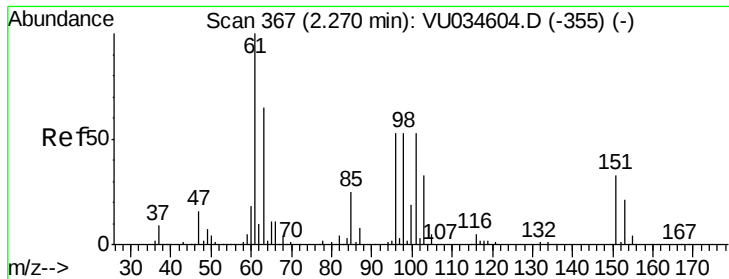
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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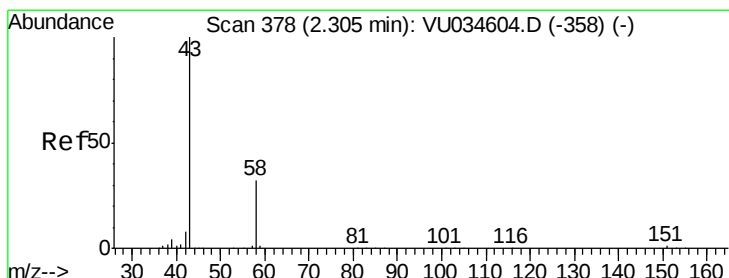
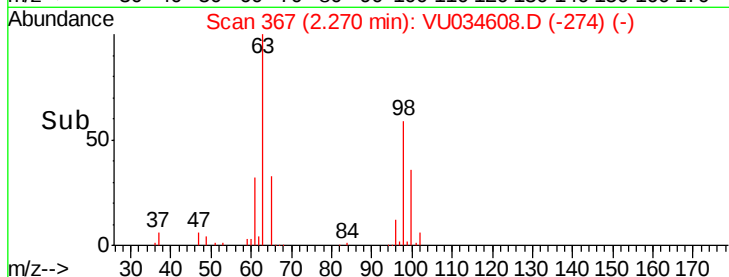
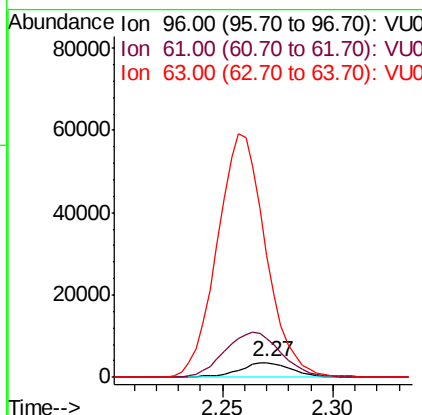
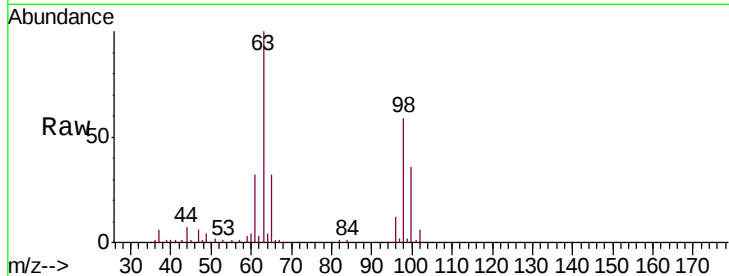




#12  
 1,1-Dichloroethene  
 Concen: 5.219 ug/L  
 RT: 2.27 min Scan# 367  
 Delta R.T. 0.00 min  
 Lab File: VU034608.D  
 Acq: 17 Sep 2019 12:18

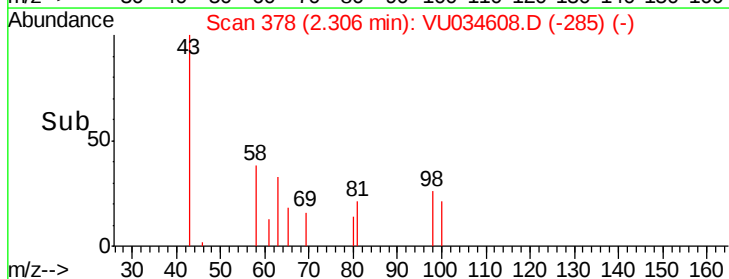
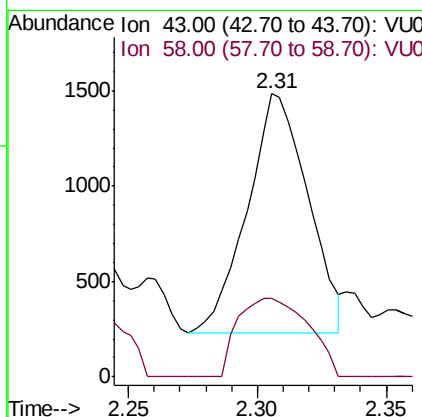
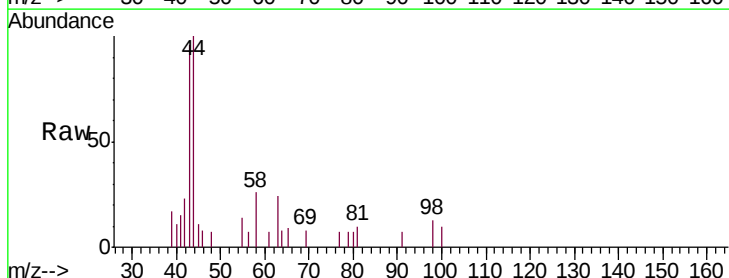
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 COMQ8

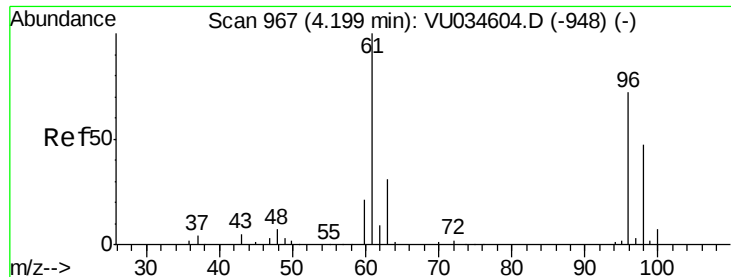
Tgt Ion: 96 Resp: 5898  
 Ion Ratio Lower Upper  
 96 100  
 61 266.4 117.8 218.8#  
 63 826.6 83.8 155.6#



#13  
 Acetone  
 Concen: 1.771 ug/L  
 RT: 2.31 min Scan# 378  
 Delta R.T. 0.00 min  
 Lab File: VU034608.D  
 Acq: 17 Sep 2019 12:18

Tgt Ion: 43 Resp: 2059  
 Ion Ratio Lower Upper  
 43 100  
 58 38.2 0.0 65.0





#20

cis-1,2-Dichloroethene

Concen: 1.298 ug/L

RT: 4.19 min Scan# 965

Delta R.T. -0.01 min

Lab File: VU034608.D

Acq: 17 Sep 2019 12:18

Instrument :

MSVOA\_U

ClientSampleId :

COMQ8

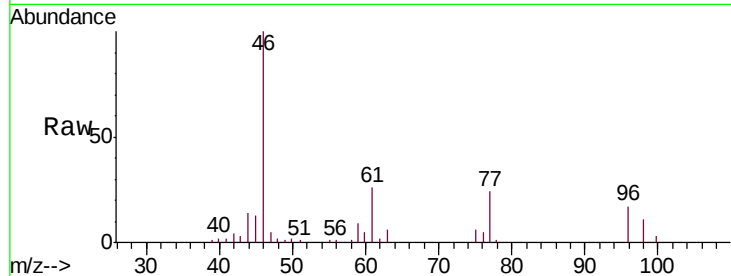
Tgt Ion: 96 Resp: 2033

Ion Ratio Lower Upper

96 100

61 153.1 94.7 175.9

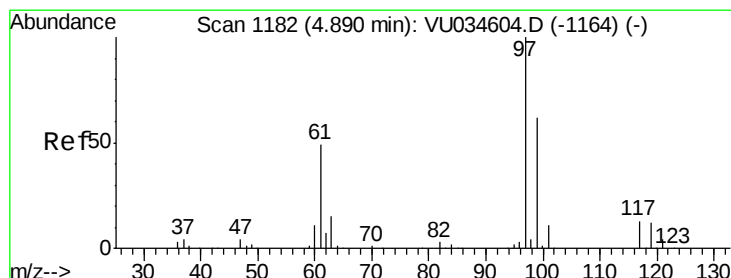
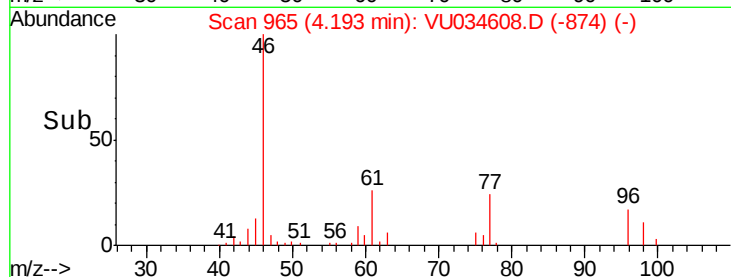
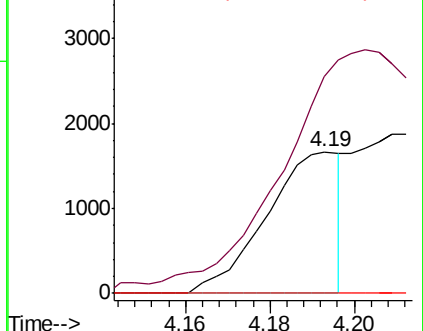
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034608.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU034608.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU034608.D (-874) (-)



#30

1,1,1-Trichloroethane

Concen: 1.068 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034608.D

Acq: 17 Sep 2019 12:18

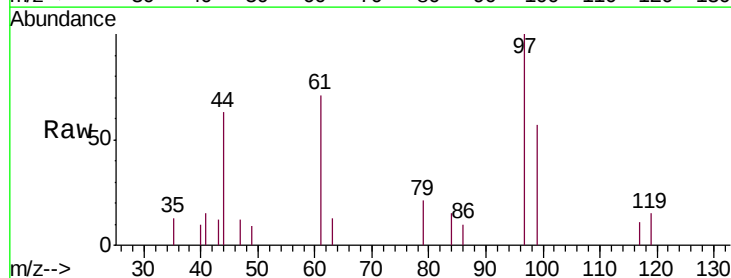
Tgt Ion: 97 Resp: 2311

Ion Ratio Lower Upper

97 100

99 62.9 50.7 76.1

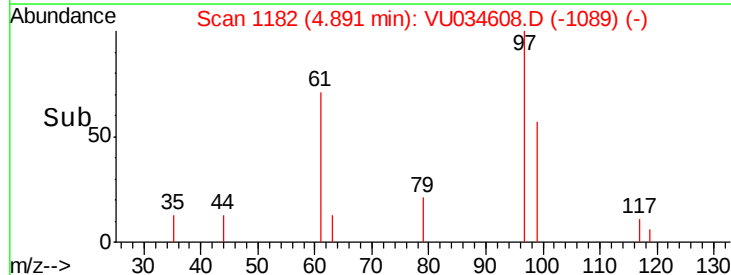
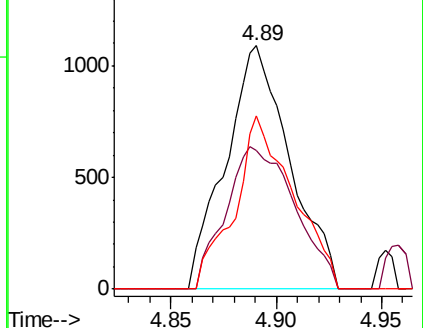
61 64.8 36.9 55.3#

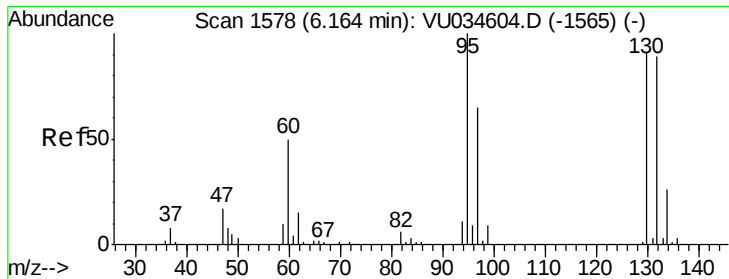


Abundance Ion 97.00 (96.70 to 97.70): VU034608.D (-1089) (-)

Ion 99.00 (98.70 to 99.70): VU034608.D (-1089) (-)

Ion 61.05 (60.75 to 61.75): VU034608.D (-1089) (-)





#34

Trichloroethene

Concen: 3.010 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034608.D

Acq: 17 Sep 2019 12:18

Instrument :

MSVOA\_U

ClientSampleId :

COMQ8

Tgt Ion: 95 Resp: 4119

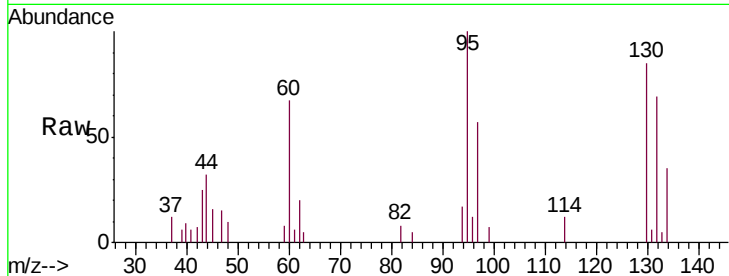
Ion Ratio Lower Upper

95 100

97 56.8 45.4 84.4

132 68.8 65.2 121.0

130 90.6 68.5 127.3

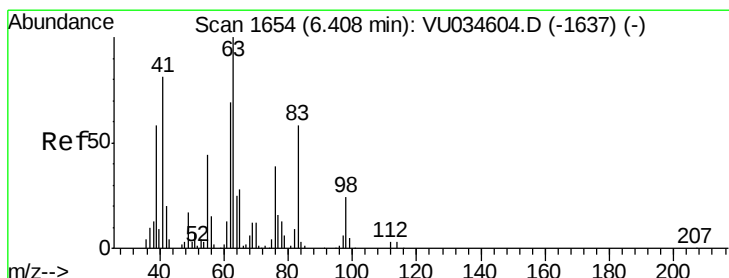
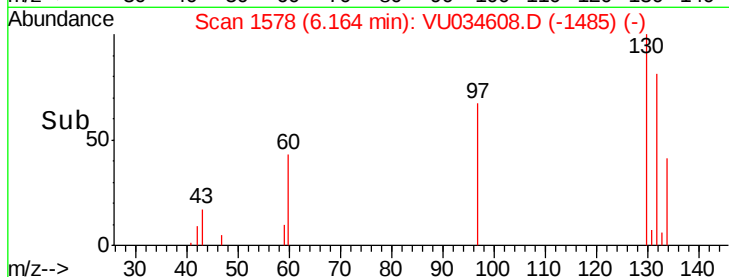
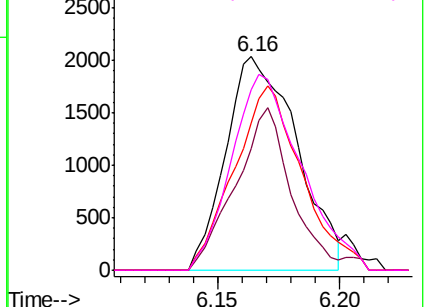


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 6.435 ug/L

RT: 6.31 min Scan# 1622

Delta R.T. -0.10 min

Lab File: VU034608.D

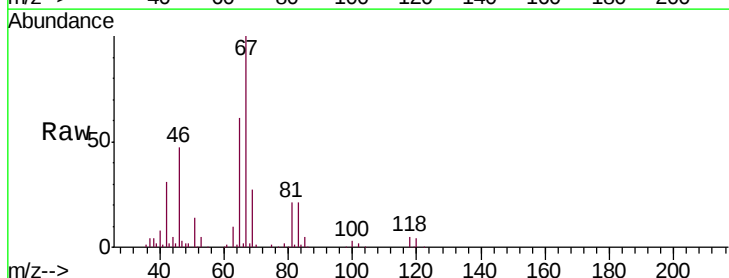
Acq: 17 Sep 2019 12:18

Tgt Ion: 63 Resp: 10728

Ion Ratio Lower Upper

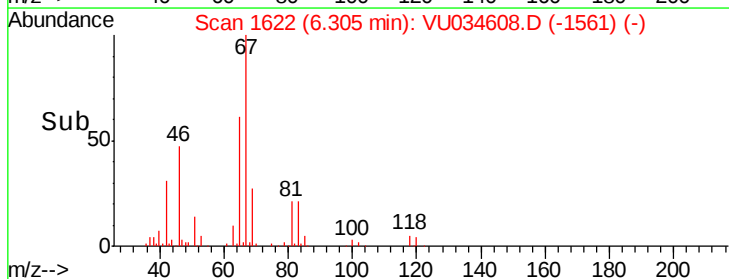
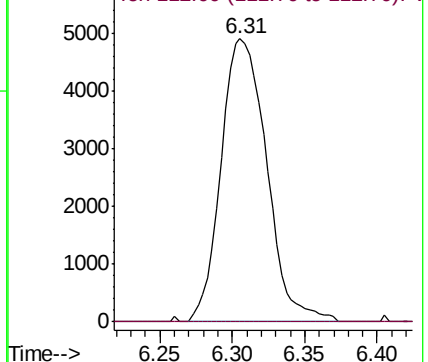
63 100

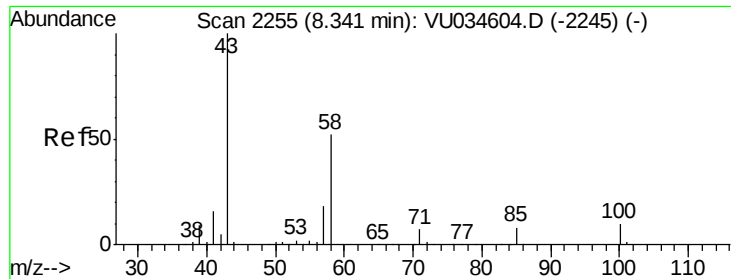
112 0.0 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

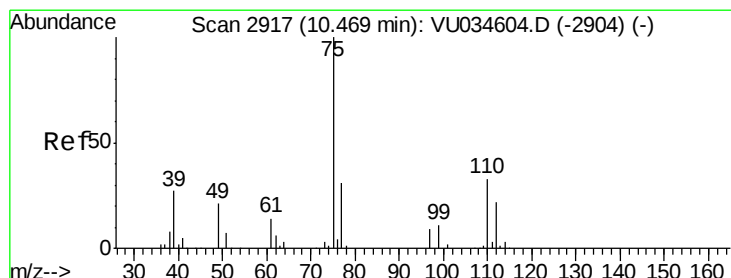
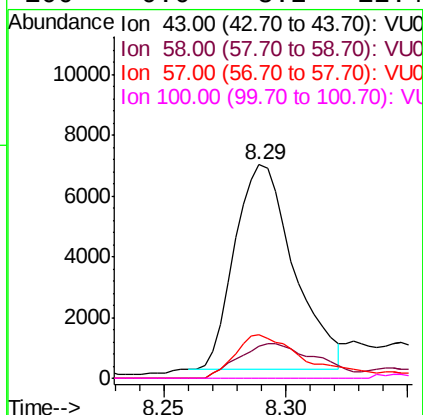
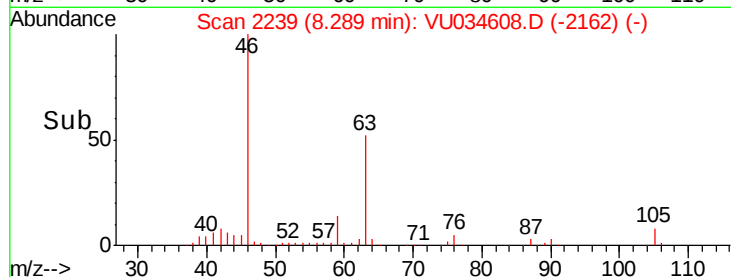
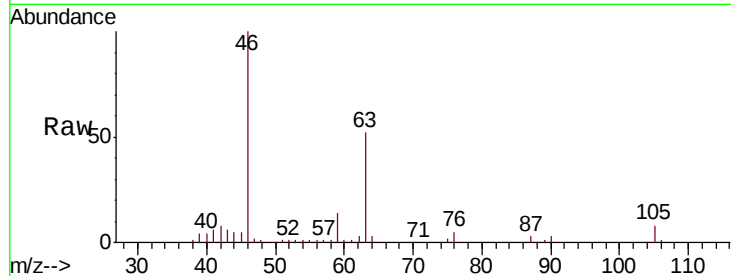




#48  
 2-Hexanone  
 Concen: 5.214 ug/L  
 RT: 8.29 min Scan# 2239  
 Delta R.T. -0.05 min  
 Lab File: VU034608.D  
 Acq: 17 Sep 2019 12:18

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COMQ8

Tgt Ion: 43 Resp: 11360  
 Ion Ratio Lower Upper  
 43 100  
 58 17.2 43.3 64.9#  
 57 25.1 13.1 19.7#  
 100 0.0 8.2 12.4#



#59  
 1,2,3-Trichloropropane  
 Concen: 6.418 ug/L  
 RT: 11.46 min Scan# 3225  
 Delta R.T. 0.99 min  
 Lab File: VU034608.D  
 Acq: 17 Sep 2019 12:18

Tgt Ion: 75 Resp: 14615  
 Ion Ratio Lower Upper  
 75 100  
 77 34.6 26.1 39.1

