

Data File : VU027830.D  
Acq On : 26 Oct 2018 13:56  
Operator : MD/SY  
Sample : J5668-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
ETBQ2

Quant Time: Oct 27 01:46:15 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM102218WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Oct 27 01:41:17 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 115430   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 106696   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 49235    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 30812    | 34.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 68.62%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 25586    | 37.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 74.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 45723    | 28.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 56.54%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 78309    | 102.31   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.31% |
| 24) Chloroform-d               | 4.65    | 84    | 64803    | 40.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.28%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 47672    | 42.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.28%  |
| 32) Benzene-d6                 | 5.34    | 84    | 123819   | 40.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.50%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 46184    | 42.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 85.14%  |
| 41) Toluene-d8                 | 7.57    | 98    | 112010   | 39.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 79.92%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 21029    | 39.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.84%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 57622    | 103.79   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.79% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 65081    | 46.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.92%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 43953    | 43.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.16%  |

#### Target Compounds

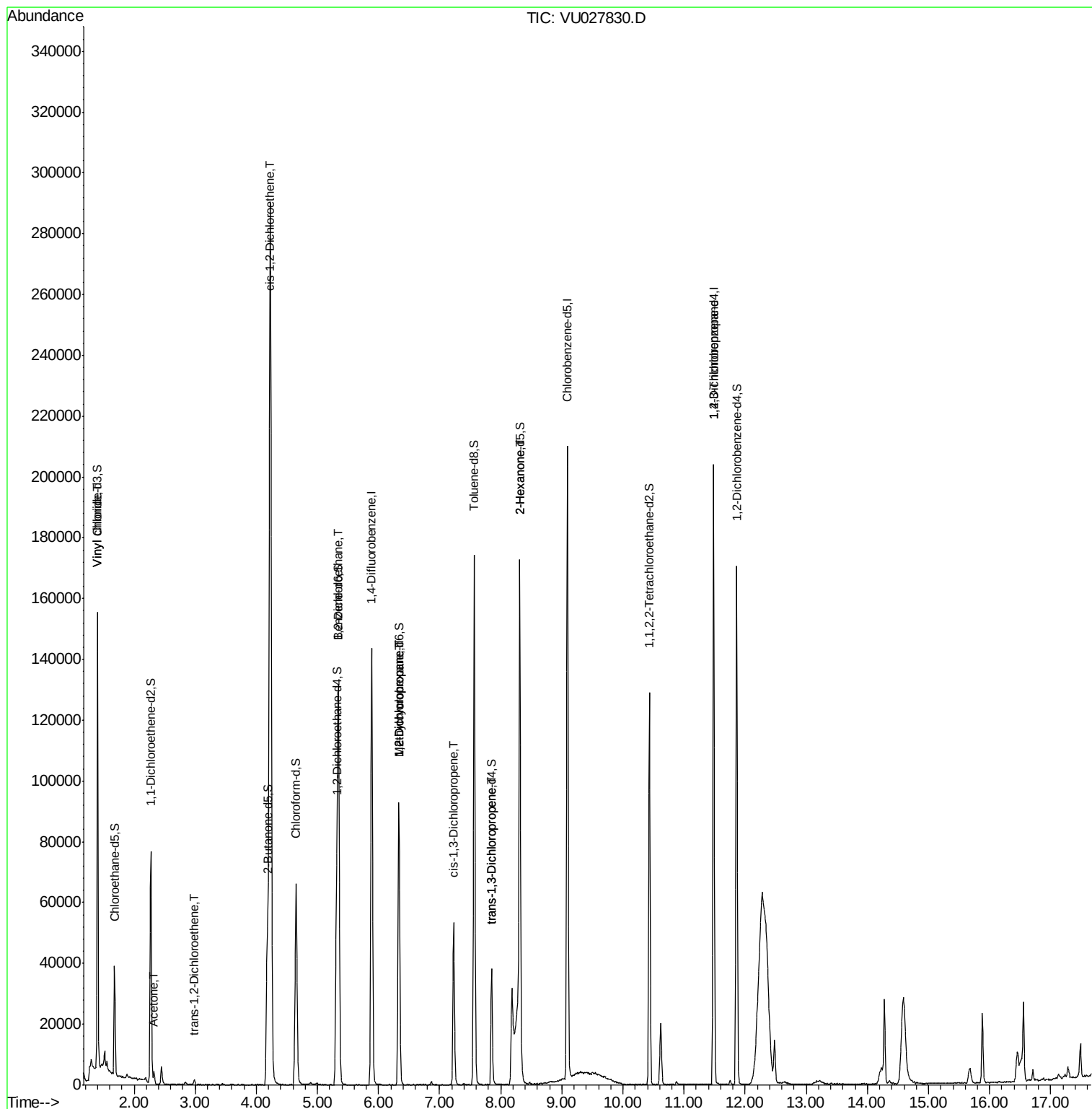
|                               |       |    |        |         | Qvalue    |
|-------------------------------|-------|----|--------|---------|-----------|
| 5) Vinyl chloride             | 1.40  | 62 | 67992  | 65.228  | ug/L 93   |
| 13) Acetone                   | 2.32  | 43 | 4135   | 7.756   | ug/L 99   |
| 17) trans-1,2-Dichloroethene  | 2.98  | 96 | 601    | 0.845   | ug/L 75   |
| 20) cis-1,2-Dichloroethene    | 4.23  | 96 | 151982 | 180.563 | ug/L 99   |
| 27) 1,2-Dichloroethane        | 5.35  | 62 | 654    | 0.503   | ug/L # 78 |
| 35) Methylcyclohexane         | 6.33  | 83 | 9814   | 7.141   | ug/L # 14 |
| 37) 1,2-Dichloropropane       | 6.33  | 63 | 5166   | 5.508   | ug/L # 90 |
| 39) cis-1,3-Dichloropropene   | 7.23  | 75 | 1166   | 0.807   | ug/L # 58 |
| 44) trans-1,3-Dichloropropene | 7.85  | 75 | 794    | 0.581   | ug/L 98   |
| 48) 2-Hexanone                | 8.31  | 43 | 7133   | 6.102   | ug/L # 66 |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75 | 6454   | 5.823   | ug/L 92   |

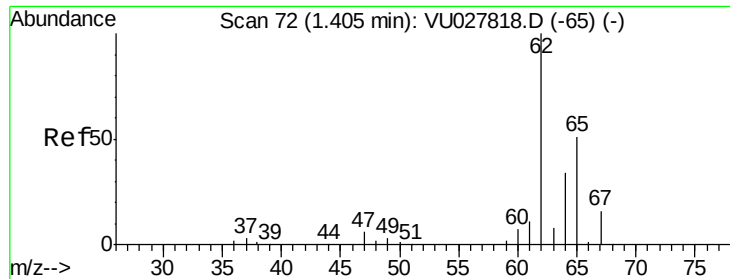
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 65.228 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027830.D

Acq: 26 Oct 2018 13:56

Instrument :

MSVOA\_U

ClientSampled :

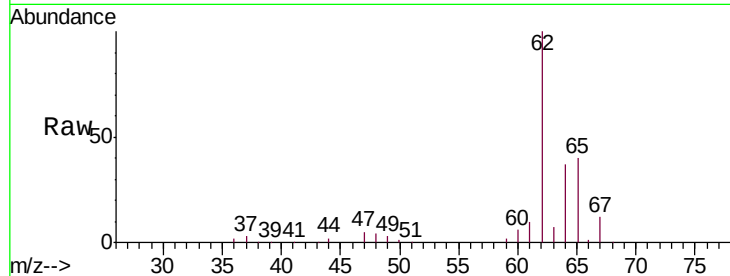
ETBQ2

Tgt Ion: 62 Resp: 67992

Ion Ratio Lower Upper

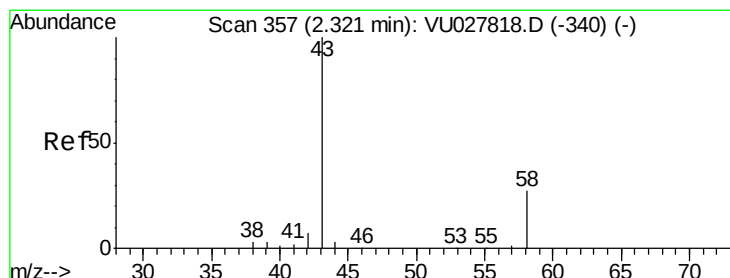
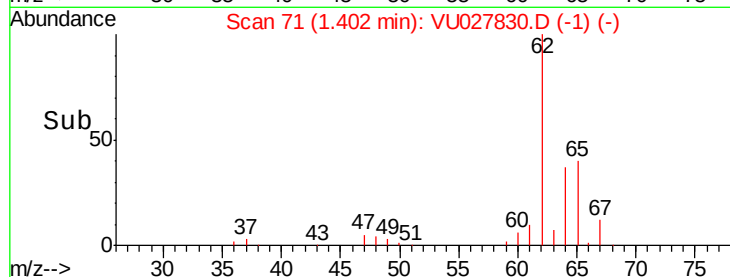
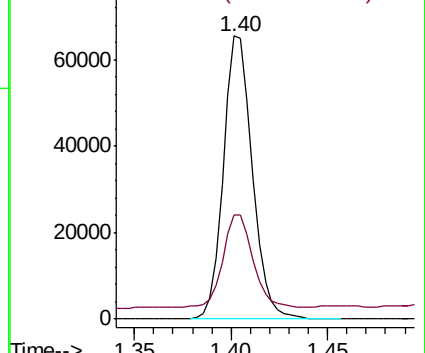
62 100

64 36.8 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#13

Acetone

Concen: 7.756 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027830.D

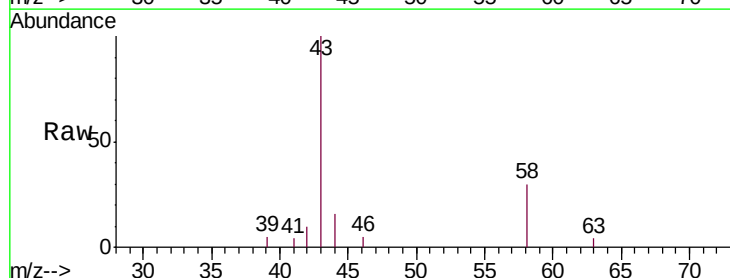
Acq: 26 Oct 2018 13:56

Tgt Ion: 43 Resp: 4135

Ion Ratio Lower Upper

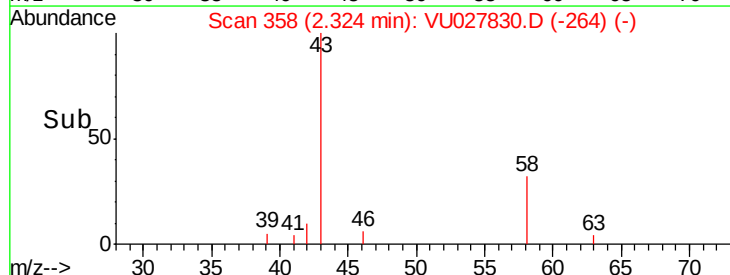
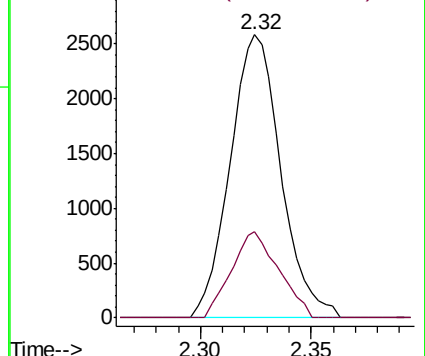
43 100

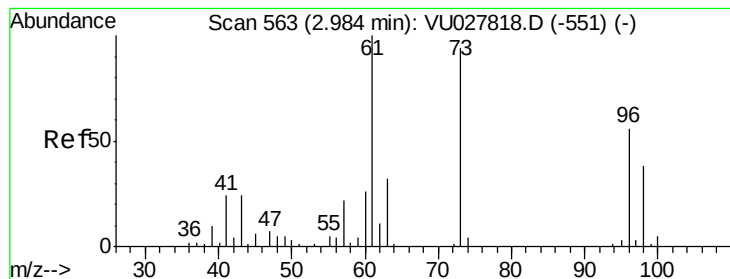
58 28.3 0.0 57.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 0.845 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027830.D

Acq: 26 Oct 2018 13:56

Instrument :

MSVOA\_U

ClientSampleId :

ETBQ2

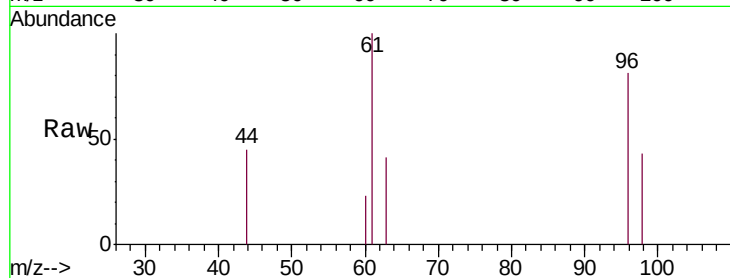
Tgt Ion: 96 Resp: 601

Ion Ratio Lower Upper

96 100

61 122.9 114.7 212.9

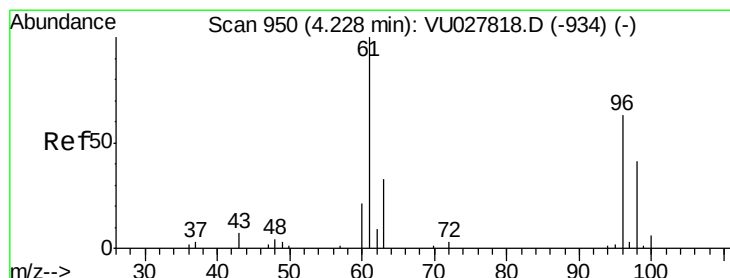
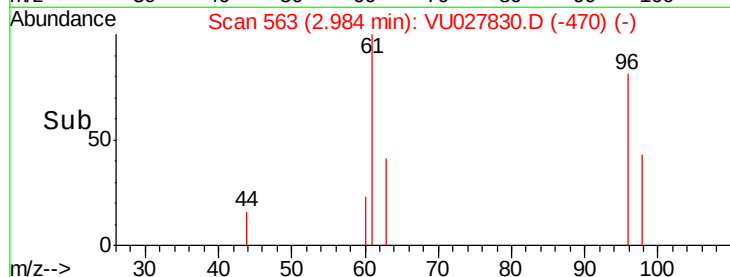
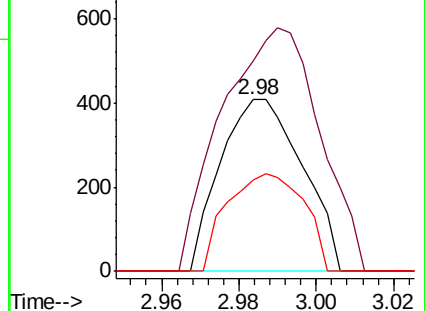
98 53.1 42.2 78.4



Abundance Ion 96.00 (95.70 to 96.70): VU027818.D (-551) (-)

Ion 61.00 (60.70 to 61.70): VU027818.D (-551) (-)

Ion 98.00 (97.70 to 98.70): VU027818.D (-551) (-)



#20

cis-1,2-Dichloroethene

Concen: 180.563 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027830.D

Acq: 26 Oct 2018 13:56

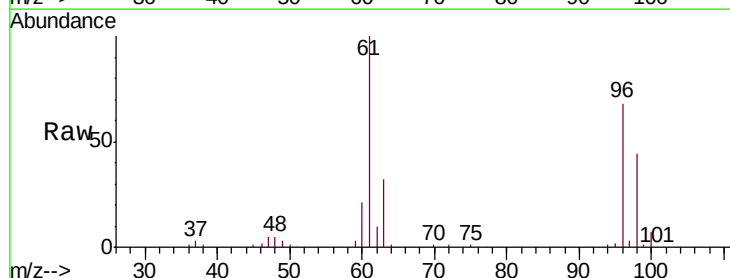
Tgt Ion: 96 Resp: 151982

Ion Ratio Lower Upper

96 100

61 147.0 104.2 193.4

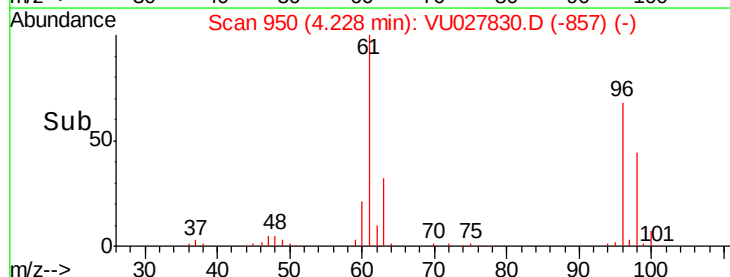
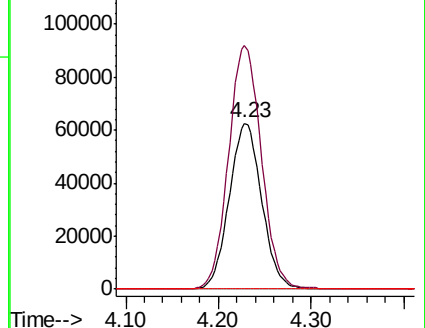
68 0.0 0.0 0.0

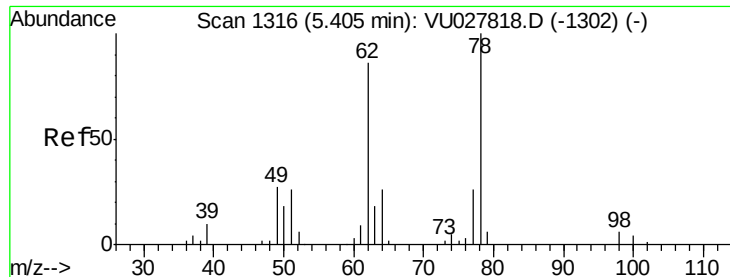


Abundance Ion 96.00 (95.70 to 96.70): VU027818.D (-934) (-)

Ion 61.00 (60.70 to 61.70): VU027818.D (-934) (-)

Ion 68.00 (67.70 to 68.70): VU027818.D (-934) (-)

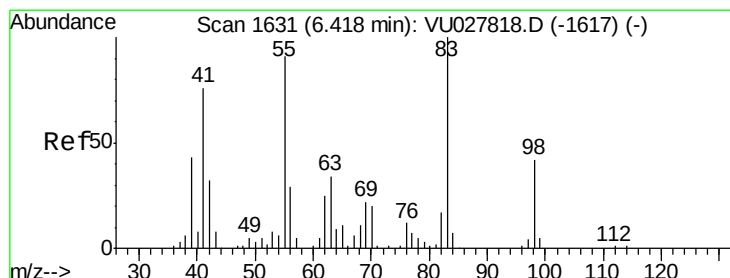
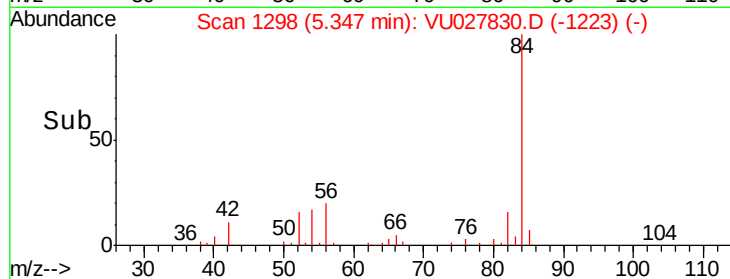
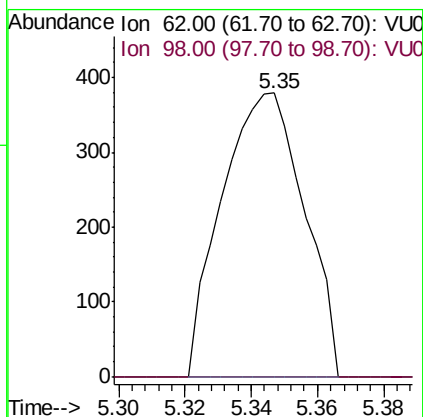
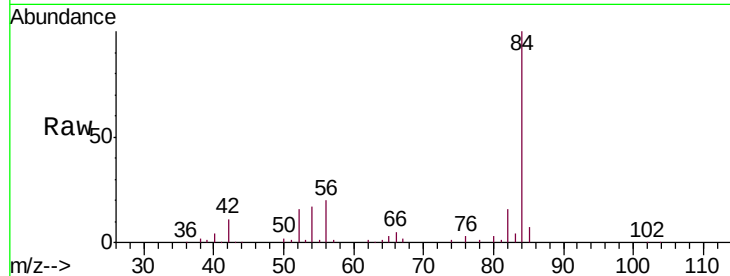




#27  
 1,2-Dichloroethane  
 Concen: 0.503 ug/L  
 RT: 5.35 min Scan# 1298  
 Delta R.T. -0.06 min  
 Lab File: VU027830.D  
 Acq: 26 Oct 2018 13:56

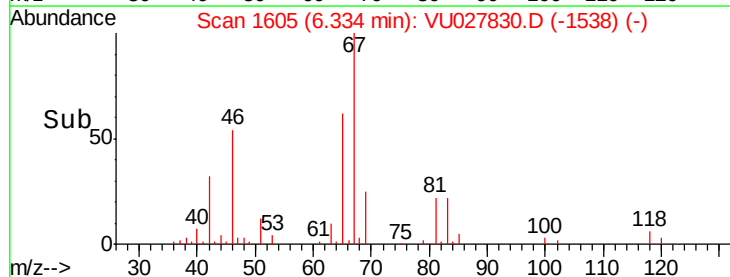
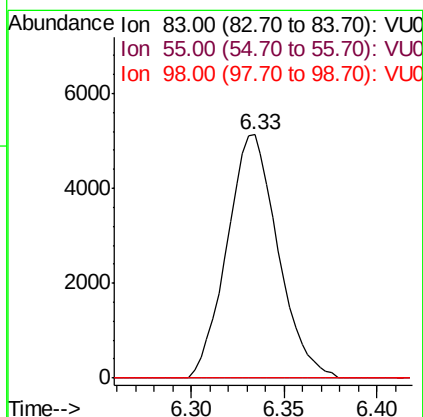
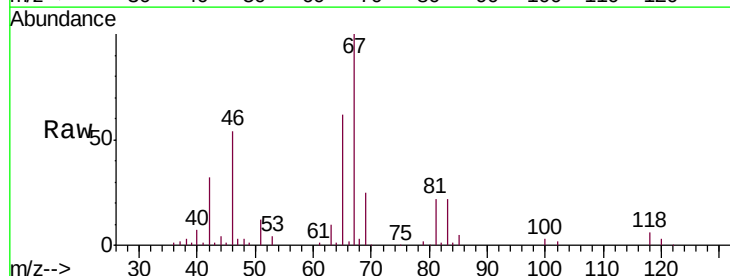
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETBQ2

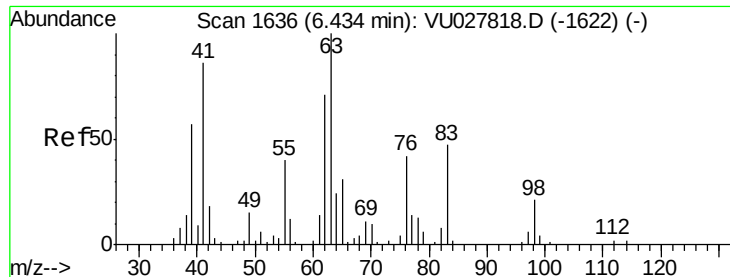
Tgt Ion: 62 Resp: 654  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 6.3 9.5#



#35  
 Methylcyclohexane  
 Concen: 7.141 ug/L  
 RT: 6.33 min Scan# 1605  
 Delta R.T. -0.08 min  
 Lab File: VU027830.D  
 Acq: 26 Oct 2018 13:56

Tgt Ion: 83 Resp: 9814  
 Ion Ratio Lower Upper  
 83 100  
 55 0.0 71.9 107.9#  
 98 0.0 34.6 52.0#

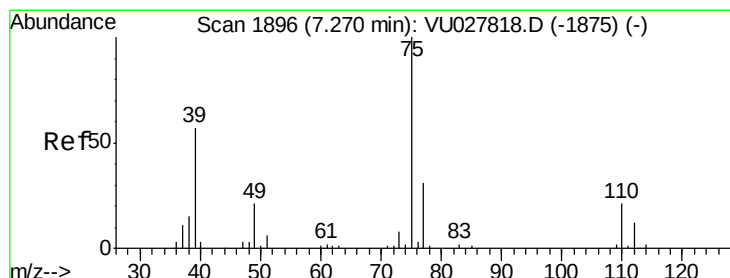
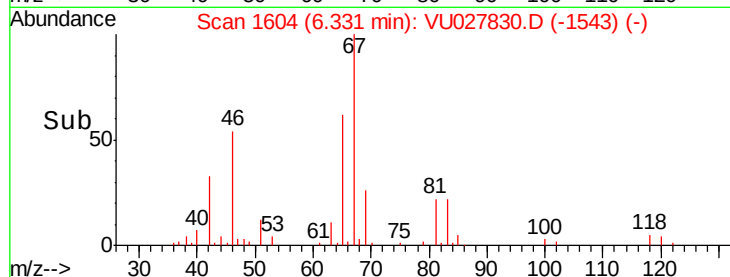
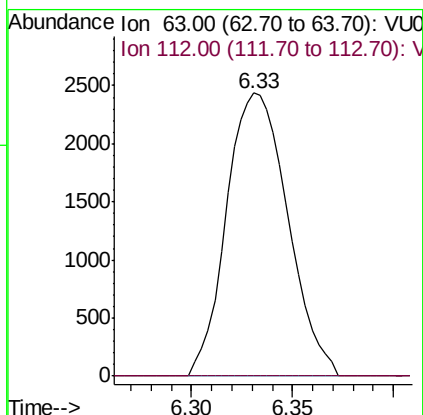
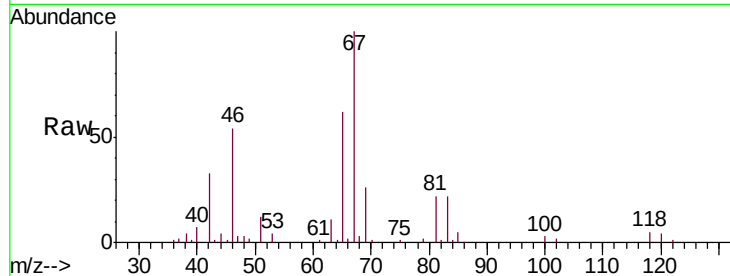




#37  
 1,2-Dichloropropane  
 Concen: 5.508 ug/L  
 RT: 6.33 min Scan# 1604  
 Delta R.T. -0.10 min  
 Lab File: VU027830.D  
 Acq: 26 Oct 2018 13:56

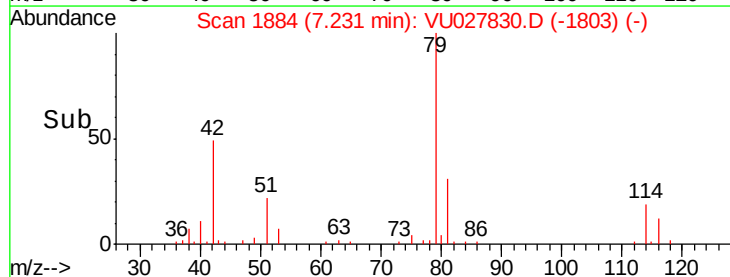
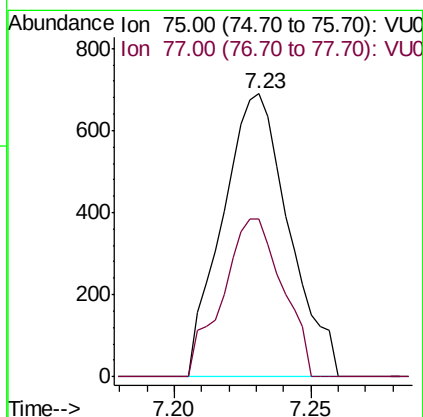
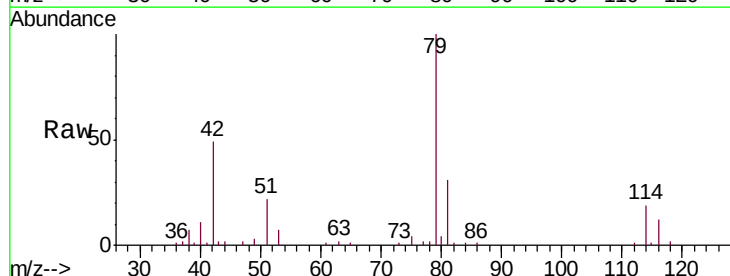
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 ETBQ2

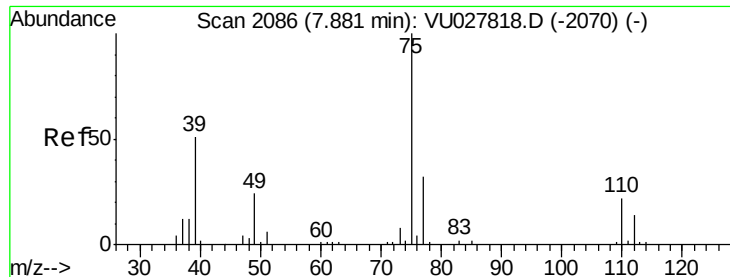
Tgt Ion: 63 Resp: 5166  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 2.6 3.8#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.807 ug/L  
 RT: 7.23 min Scan# 1884  
 Delta R.T. -0.04 min  
 Lab File: VU027830.D  
 Acq: 26 Oct 2018 13:56

Tgt Ion: 75 Resp: 1166  
 Ion Ratio Lower Upper  
 75 100  
 77 55.6 22.5 41.7#

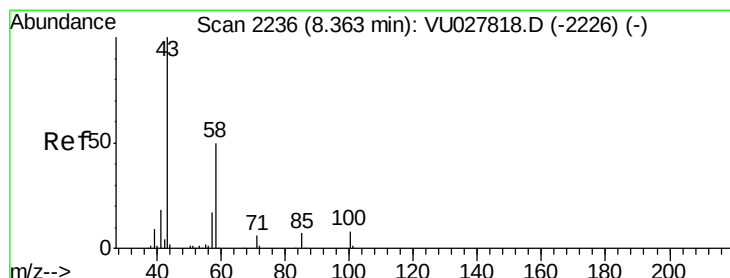
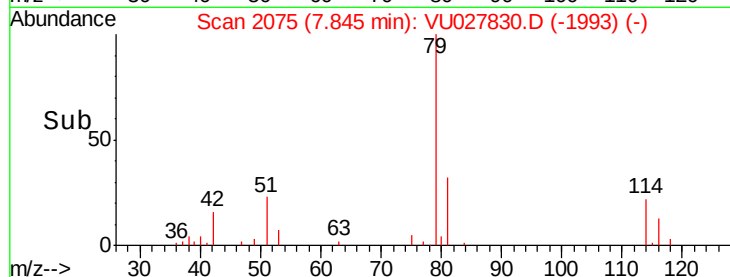
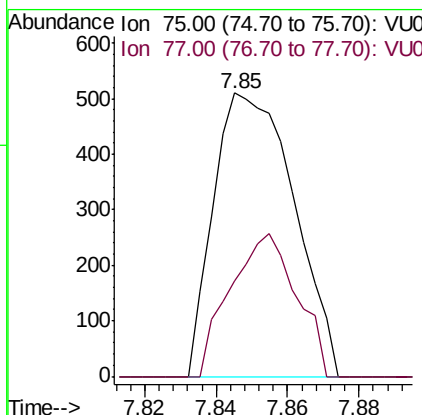
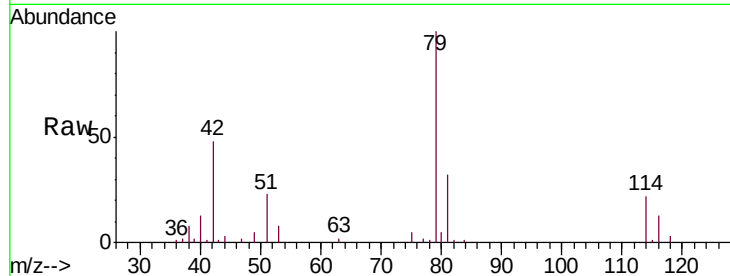




#44  
trans-1,3-Dichloropropene  
Concen: 0.581 ug/L  
RT: 7.85 min Scan# 2075  
Delta R.T. -0.04 min  
Lab File: VU027830.D  
Acq: 26 Oct 2018 13:56

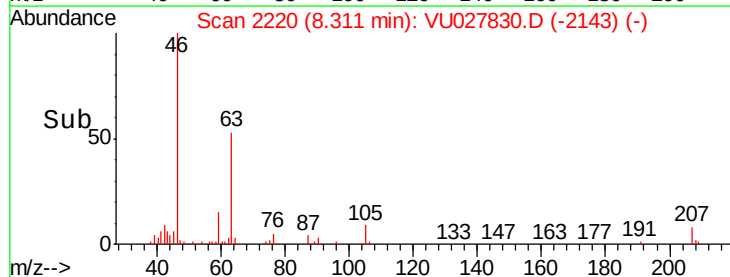
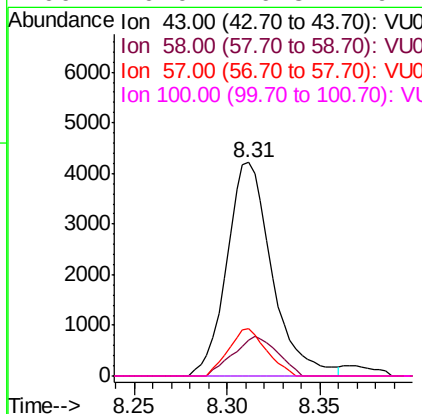
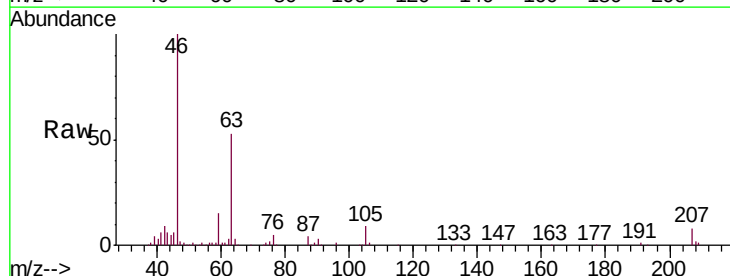
Instrument :  
MSVOA\_U  
ClientSampleId :  
ETBQ2

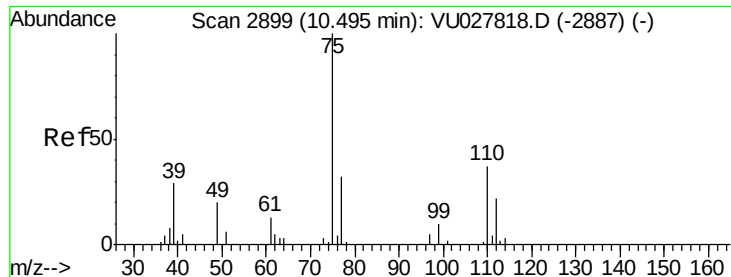
Tgt Ion: 75 Resp: 794  
Ion Ratio Lower Upper  
75 100  
77 33.7 22.8 42.4



#48  
2-Hexanone  
Concen: 6.102 ug/L  
RT: 8.31 min Scan# 2220  
Delta R.T. -0.05 min  
Lab File: VU027830.D  
Acq: 26 Oct 2018 13:56

Tgt Ion: 43 Resp: 7133  
Ion Ratio Lower Upper  
43 100  
58 18.0 38.8 58.2#  
57 18.6 13.1 19.7  
100 0.0 6.8 10.2#





#59

1,2,3-Trichloropropane

Concen: 5.823 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU027830.D

Acq: 26 Oct 2018 13:56

Instrument :

MSVOA\_U

ClientSampleId :

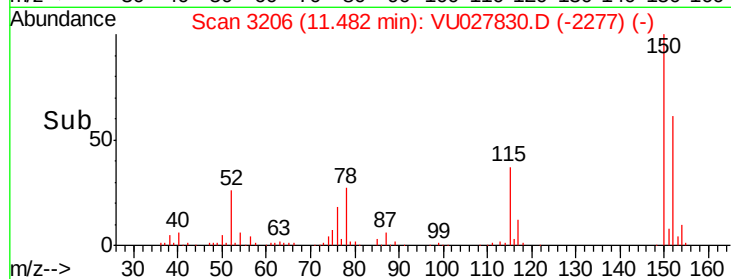
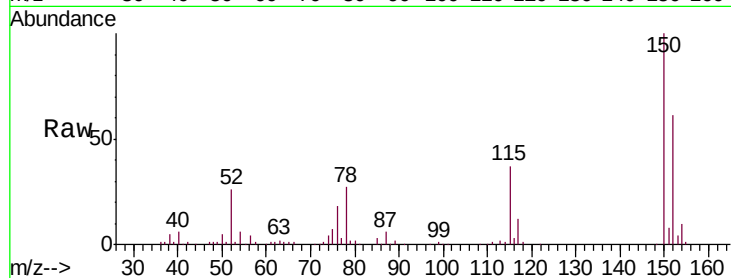
ETBQ2

Tgt Ion: 75 Resp: 6454

Ion Ratio Lower Upper

75 100

77 37.5 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

