

Data File : VU027511.D  
Acq On : 08 Oct 2018 19:57  
Operator : MD/SY  
Sample : J5298-11  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
E62W4

Quant Time: Oct 09 05:23:44 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM100518WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Oct 09 05:21:41 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 176614   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 165428   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 69355    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 54789    | 39.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 78.84%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 47122    | 44.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 88.02%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 81139    | 31.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.24%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 130323   | 116.15   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 116.15% |
| 24) Chloroform-d               | 4.65    | 84    | 111359   | 50.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.18% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 79918    | 51.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.60% |
| 32) Benzene-d6                 | 5.34    | 84    | 218460   | 46.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.16%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 81052    | 49.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.82%  |
| 41) Toluene-d8                 | 7.57    | 98    | 175869   | 41.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 33581    | 42.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.82%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 87294    | 106.43   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.43% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 111703   | 52.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 105.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 65987    | 48.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.26%  |

#### Target Compounds

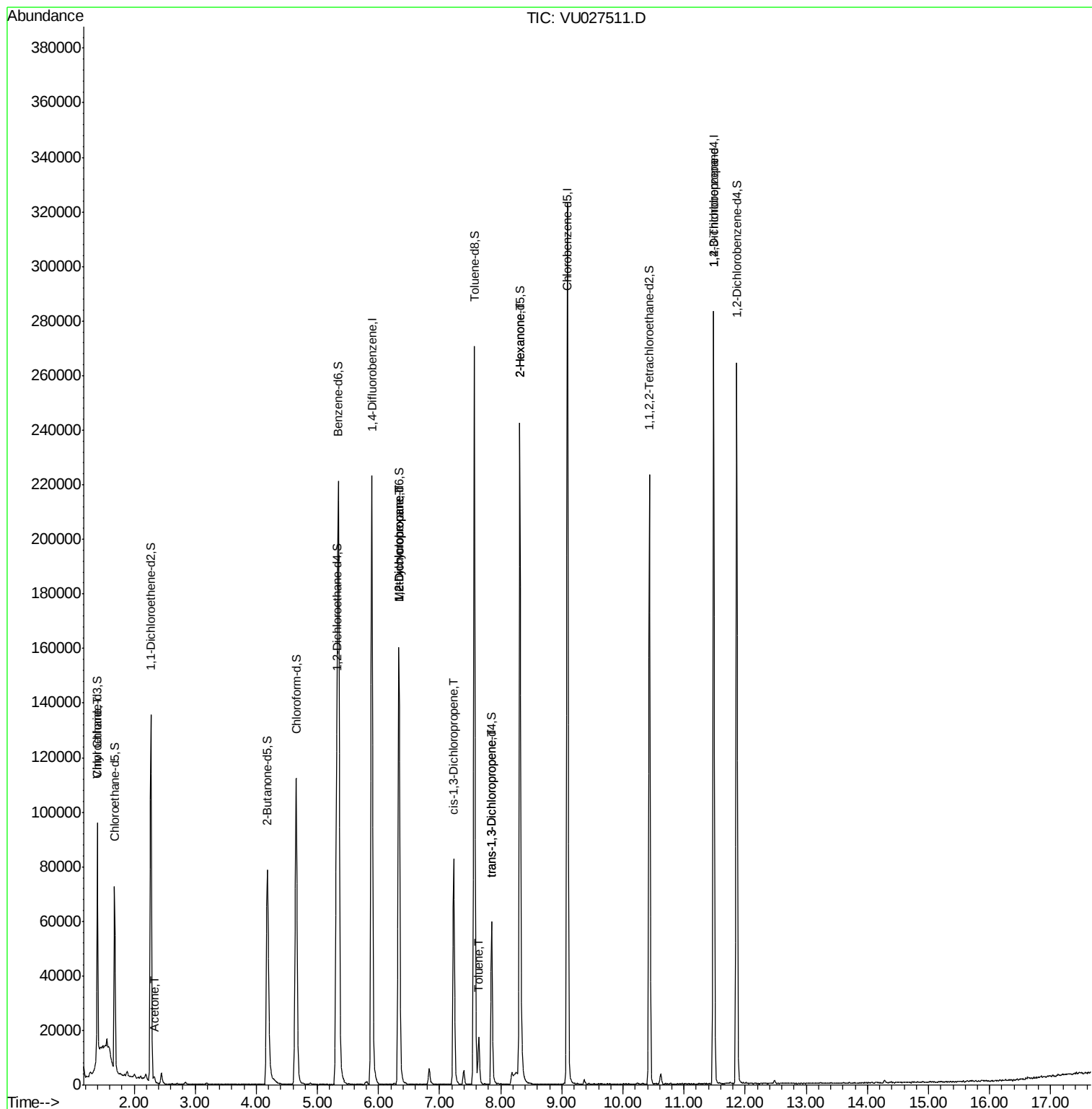
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 8) Chloroethane               | 1.40  | 64 | 11656 | 9.890 ug/L   | 86     |
| 13) Acetone                   | 2.32  | 43 | 994   | 1.080 ug/L   | 98     |
| 35) Methylcyclohexane         | 6.33  | 83 | 17491 | 7.700 ug/L # | 14     |
| 37) 1,2-Dichloropropane       | 6.33  | 63 | 8469  | 5.377 ug/L # | 89     |
| 39) cis-1,3-Dichloropropene   | 7.23  | 75 | 1797  | 0.776 ug/L # | 45     |
| 42) Toluene                   | 7.64  | 91 | 12795 | 2.346 ug/L   | 99     |
| 44) trans-1,3-Dichloropropene | 7.85  | 75 | 1392  | 0.648 ug/L   | 83     |
| 48) 2-Hexanone                | 8.31  | 43 | 10662 | 5.855 ug/L # | 66     |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75 | 9623  | 5.397 ug/L   | 90     |

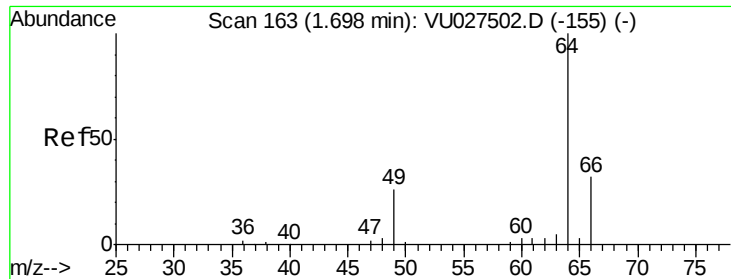
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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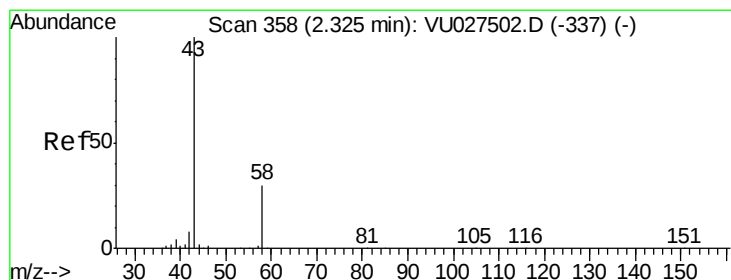
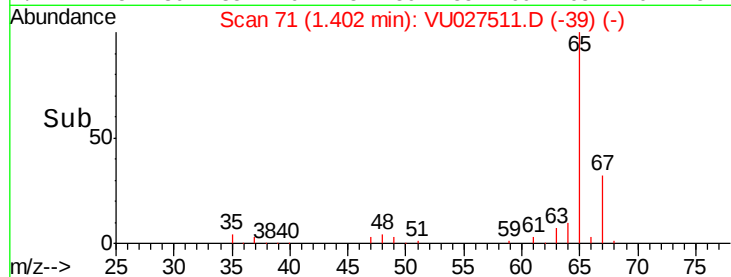
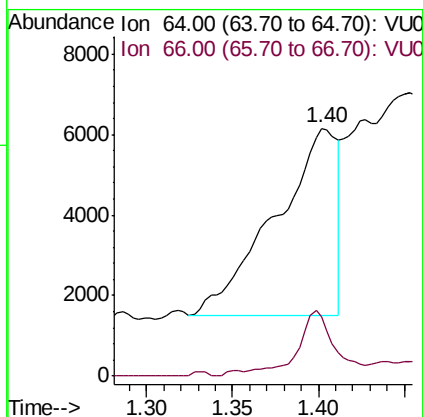
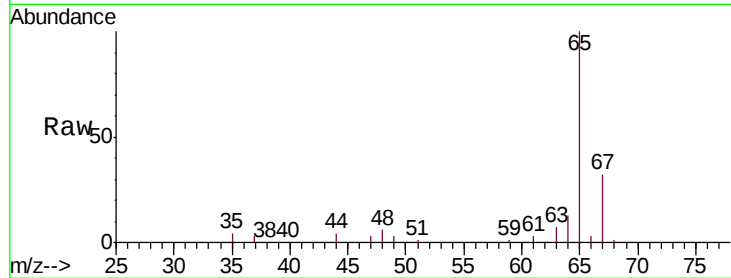




#8  
 Chloroethane  
 Concen: 9.890 ug/L  
 RT: 1.40 min Scan# 71  
 Delta R.T. -0.30 min  
 Lab File: VU027511.D  
 Acq: 08 Oct 2018 19:57

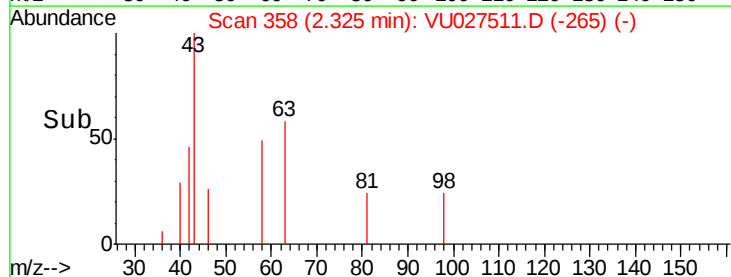
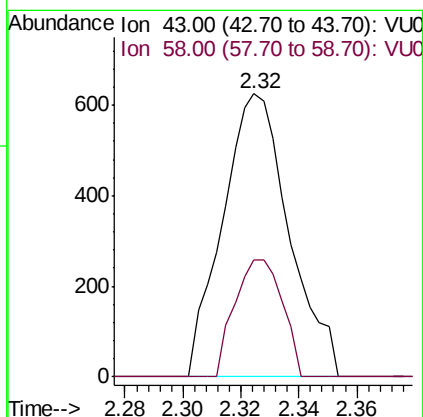
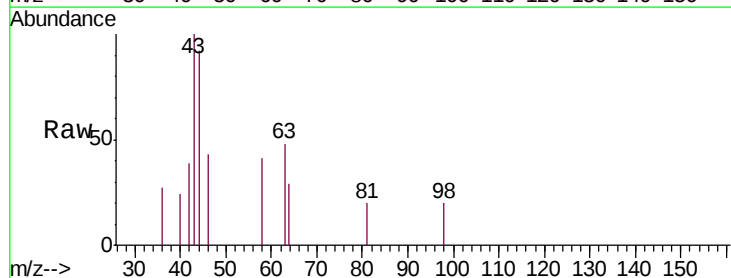
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E62W4

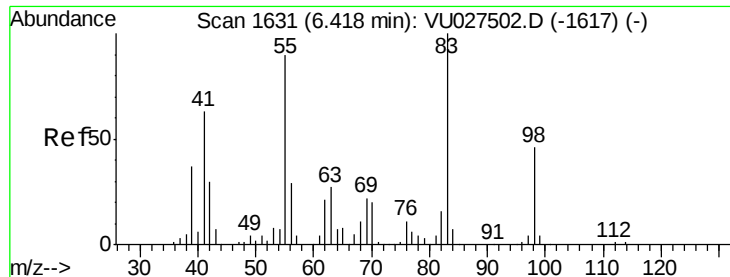
Tgt Ion: 64 Resp: 11656  
 Ion Ratio Lower Upper  
 64 100  
 66 23.7 22.0 40.8



#13  
 Acetone  
 Concen: 1.080 ug/L  
 RT: 2.32 min Scan# 358  
 Delta R.T. 0.00 min  
 Lab File: VU027511.D  
 Acq: 08 Oct 2018 19:57

Tgt Ion: 43 Resp: 994  
 Ion Ratio Lower Upper  
 43 100  
 58 29.6 0.0 60.8

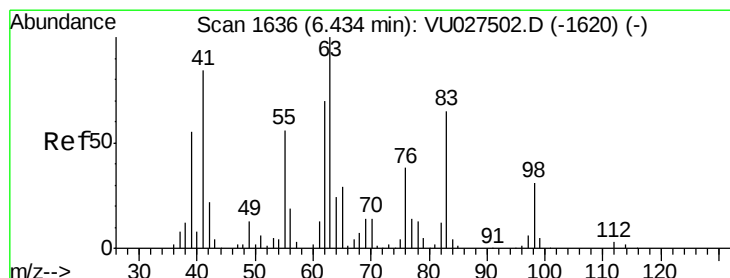
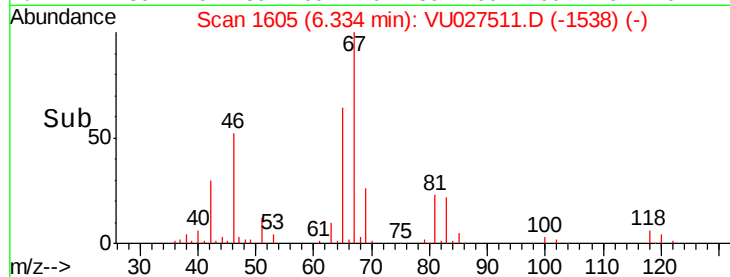
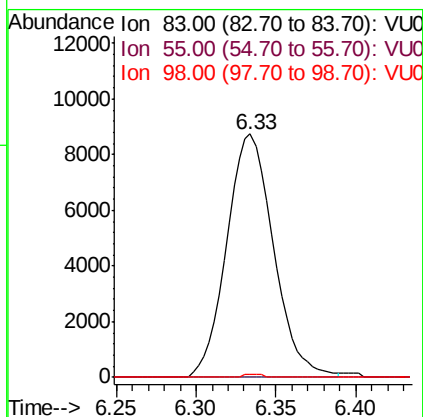
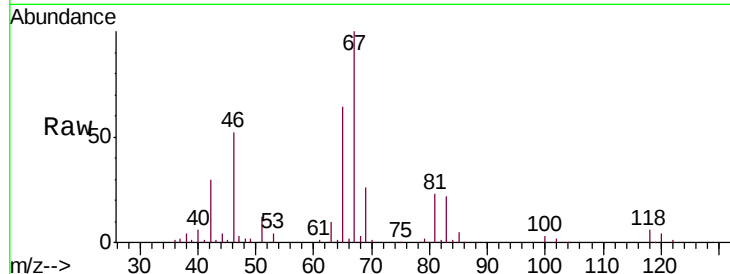




#35  
Methylcyclohexane  
Concen: 7.700 ug/L  
RT: 6.33 min Scan# 1605  
Delta R.T. -0.08 min  
Lab File: VU027511.D  
Acq: 08 Oct 2018 19:57

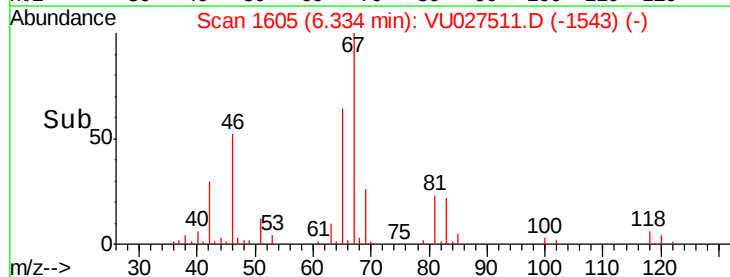
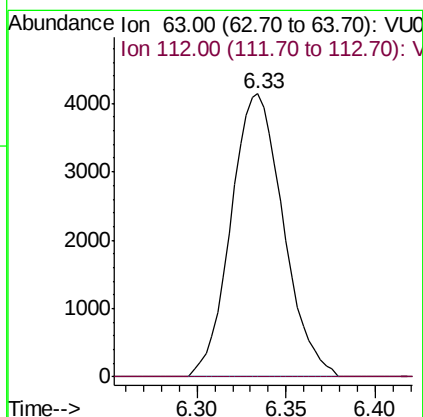
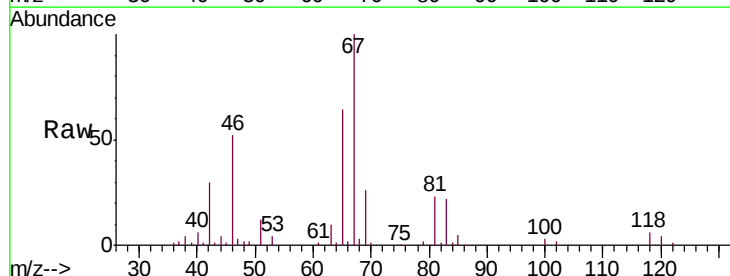
Instrument :  
MSVOA\_U  
ClientSampleId :  
E62W4

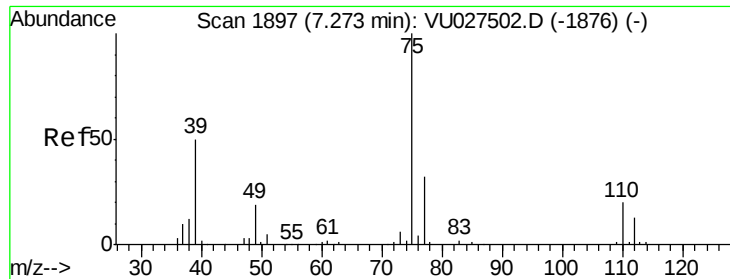
Tgt Ion: 83 Resp: 17491  
Ion Ratio Lower Upper  
83 100  
55 0.0 69.9 104.9#  
98 0.4 37.1 55.7#



#37  
1,2-Dichloropropane  
Concen: 5.377 ug/L  
RT: 6.33 min Scan# 1605  
Delta R.T. -0.10 min  
Lab File: VU027511.D  
Acq: 08 Oct 2018 19:57

Tgt Ion: 63 Resp: 8469  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.9 4.3#

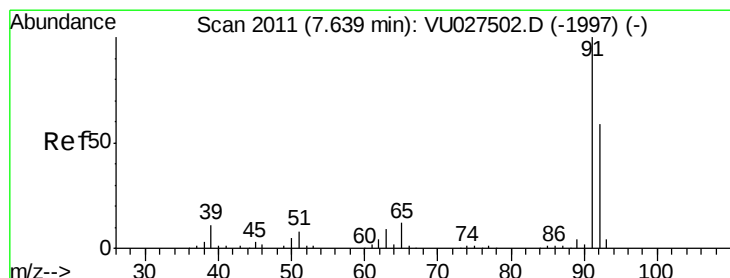
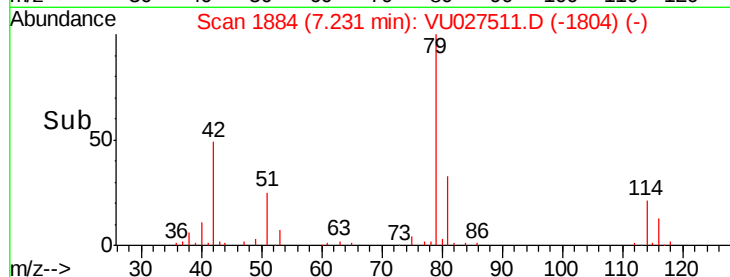
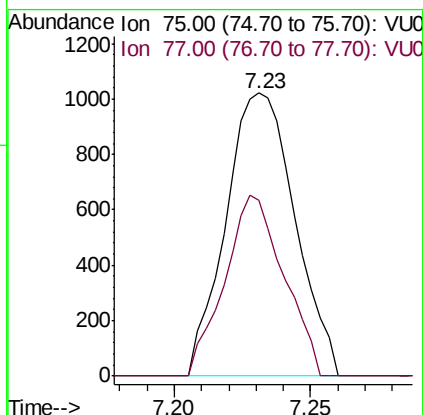
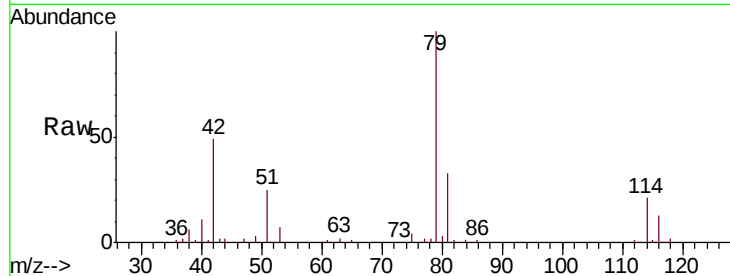




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.776 ug/L  
 RT: 7.23 min Scan# 1884  
 Delta R.T. -0.04 min  
 Lab File: VU027511.D  
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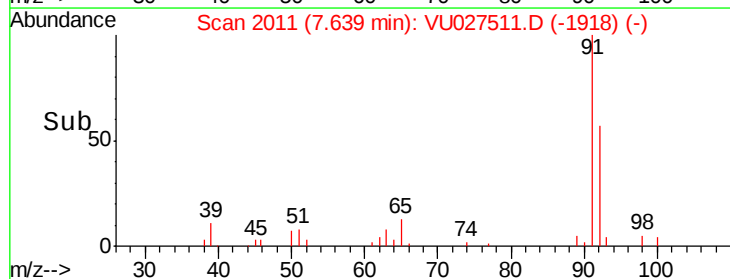
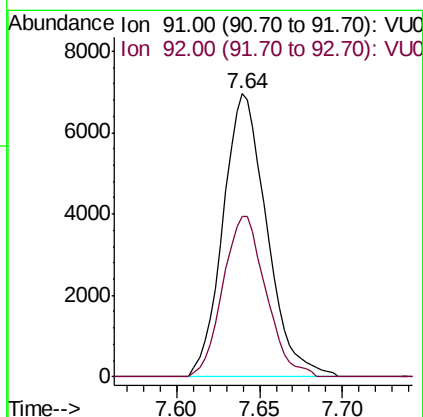
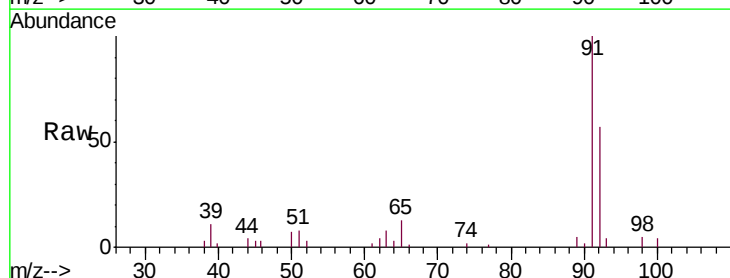
Instrument :  
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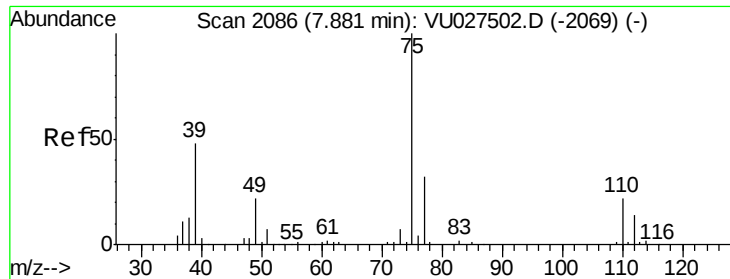
Tgt Ion: 75 Resp: 1797  
 Ion Ratio Lower Upper  
 75 100  
 77 62.1 22.1 41.1#



#42  
 Toluene  
 Concen: 2.346 ug/L  
 RT: 7.64 min Scan# 2011  
 Delta R.T. 0.00 min  
 Lab File: VU027511.D  
 Acq: 08 Oct 2018 19:57

Tgt Ion: 91 Resp: 12795  
 Ion Ratio Lower Upper  
 91 100  
 92 56.7 40.2 74.6

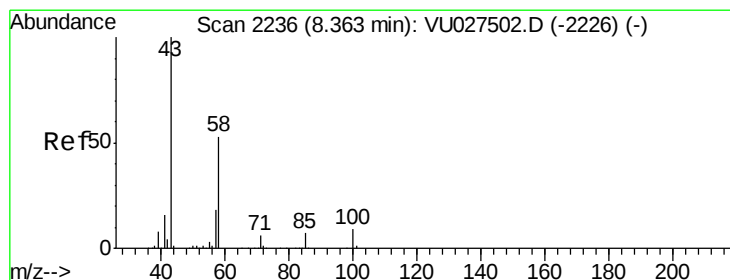
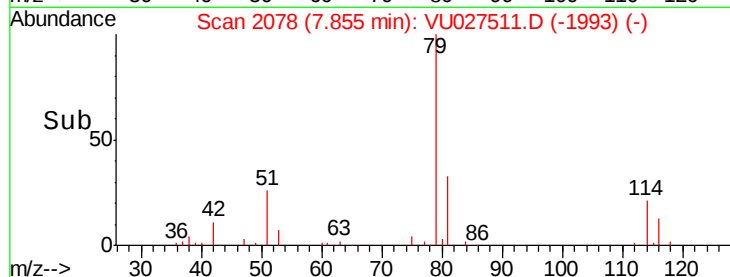
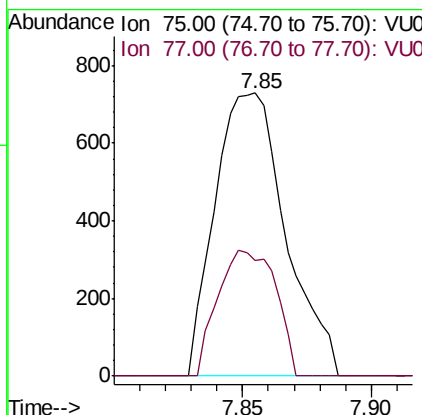
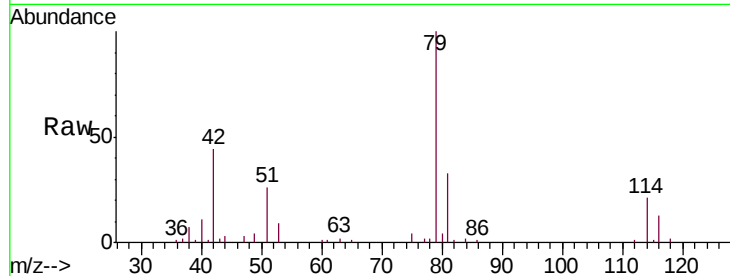




#44  
trans-1,3-Dichloropropene  
Concen: 0.648 ug/L  
RT: 7.85 min Scan# 2078  
Delta R.T. -0.03 min  
Lab File: VU027511.D  
Acq: 08 Oct 2018 19:57

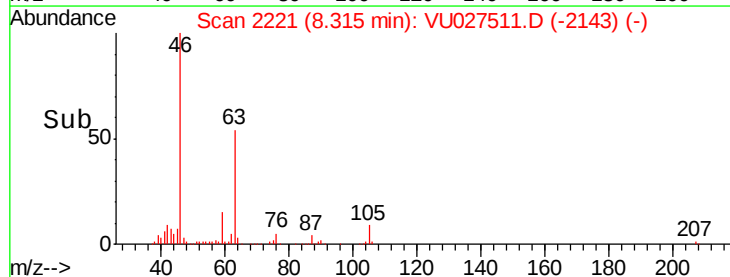
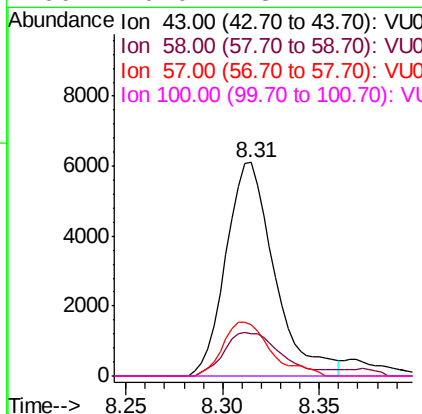
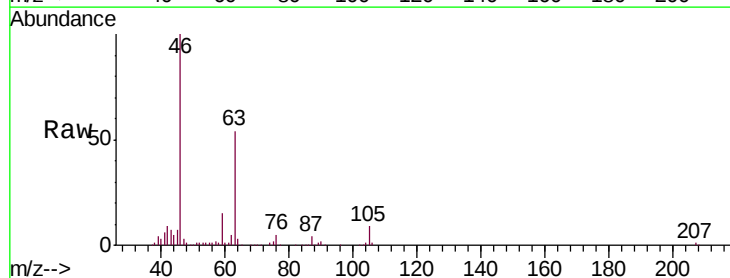
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ClientSampled :  
E62W4

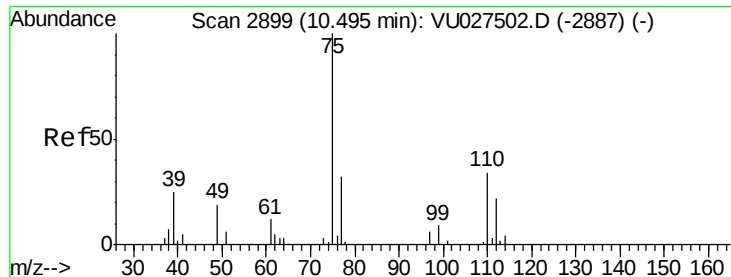
Tgt Ion: 75 Resp: 1392  
Ion Ratio Lower Upper  
75 100  
77 41.0 22.2 41.2



#48  
2-Hexanone  
Concen: 5.855 ug/L  
RT: 8.31 min Scan# 2221  
Delta R.T. -0.05 min  
Lab File: VU027511.D  
Acq: 08 Oct 2018 19:57

Tgt Ion: 43 Resp: 10662  
Ion Ratio Lower Upper  
43 100  
58 24.0 42.7 64.1#  
57 25.0 14.5 21.7#  
100 0.0 8.2 12.2#





#59

1,2,3-Trichloropropane

Concen: 5.397 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU027511.D

Acq: 08 Oct 2018 19:57

Instrument :

MSVOA\_U

ClientSampleId :

E62W4

Tgt Ion: 75 Resp: 9623

Ion Ratio Lower Upper

75 100

77 37.7 25.7 38.5

