

Data File : VU032512.D  
Acq On : 06 Jun 2019 21:09  
Operator : JC/SP  
Sample : K3215-01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB8K9

Quant Time: Jun 07 05:53:25 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jun 07 05:48:54 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 214346   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 200418   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 100582   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 47209    | 33.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 67.90%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 43164    | 38.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 77.24%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 77812    | 28.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 57.16%# |
| 21) 2-Butanone-d5              | 4.17    | 46    | 112933   | 97.04    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.04%  |
| 24) Chloroform-d               | 4.64    | 84    | 113124   | 43.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.24%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 77989    | 47.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.46%  |
| 32) Benzene-d6                 | 5.33    | 84    | 238705   | 45.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.76%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 75926    | 46.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.08%  |
| 41) Toluene-d8                 | 7.56    | 98    | 227529   | 46.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.24%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 33719    | 43.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.38%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 76335    | 96.46    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.46%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 112643   | 47.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.30%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 96362    | 50.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.04% |

#### Target Compounds

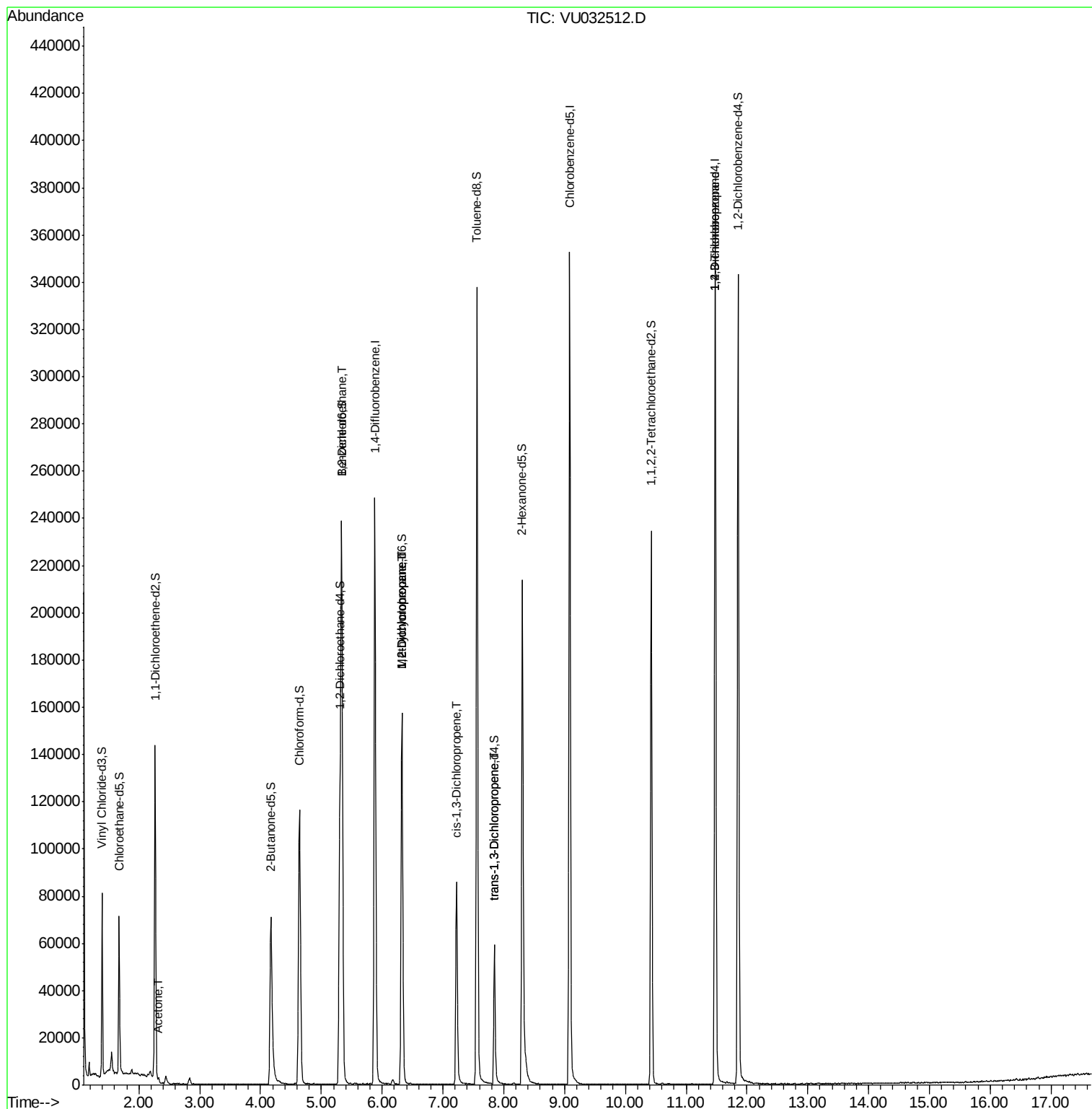
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 2.32  | 43 | 1382  | 1.151 ug/L   | 69     |
| 27) 1,2-Dichloroethane        | 5.33  | 62 | 1217  | 0.594 ug/L # | 75     |
| 35) Methylcyclohexane         | 6.32  | 83 | 17690 | 7.133 ug/L # | 19     |
| 37) 1,2-Dichloropropane       | 6.32  | 63 | 8448  | 5.659 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene   | 7.22  | 75 | 2407  | 1.022 ug/L # | 74     |
| 44) trans-1,3-Dichloropropene | 7.85  | 75 | 1600  | 0.765 ug/L   | 97     |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75 | 11712 | 6.036 ug/L   | 91     |

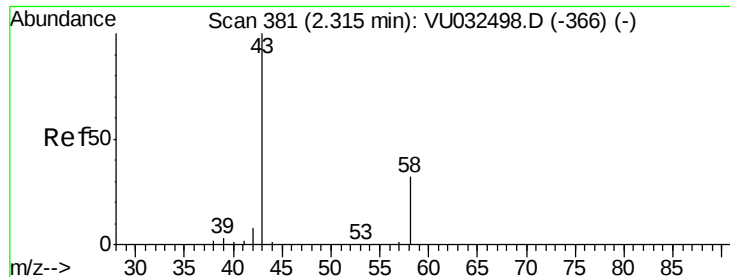
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.151 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

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Acq: 06 Jun 2019 21:09

Instrument :

MSVOA\_U

ClientSampleId :

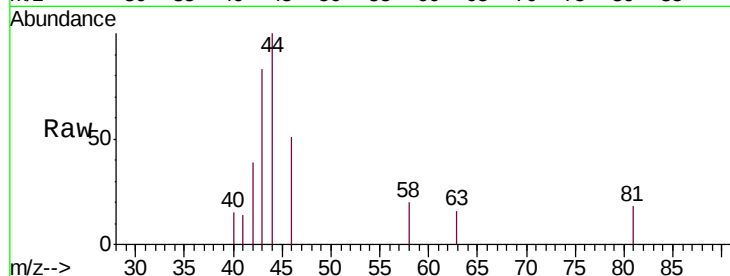
DB8K9

Tgt Ion: 43 Resp: 1382

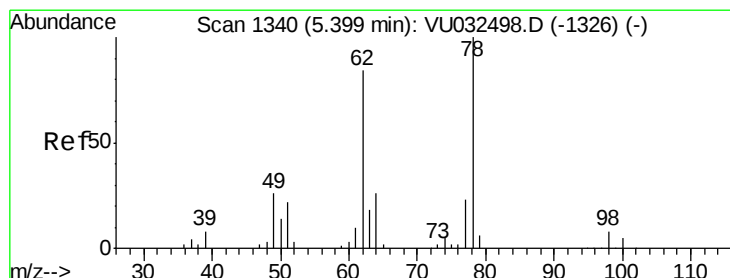
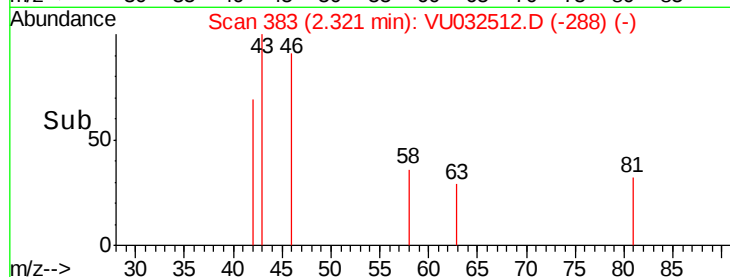
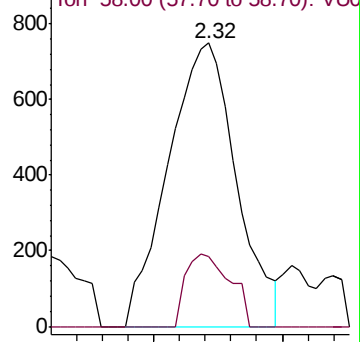
Ion Ratio Lower Upper

43 100

58 15.0 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032498.D (-366) (-)



#27

1,2-Dichloroethane

Concen: 0.594 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032512.D

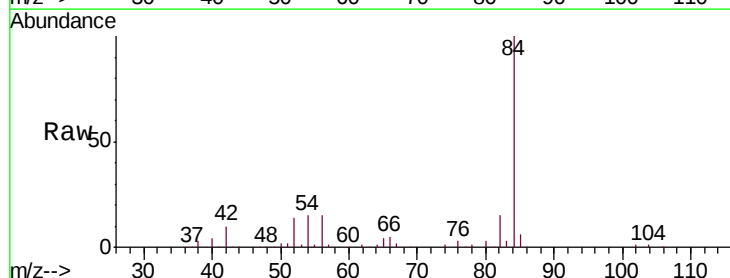
Acq: 06 Jun 2019 21:09

Tgt Ion: 62 Resp: 1217

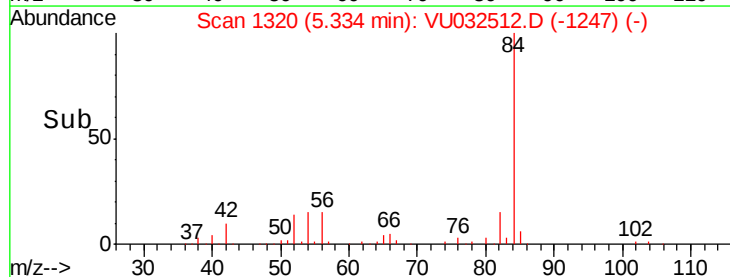
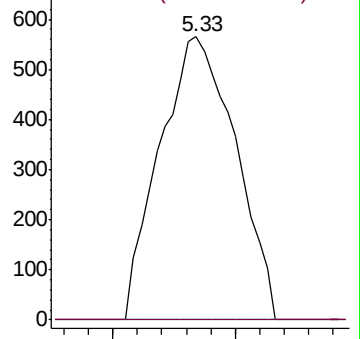
Ion Ratio Lower Upper

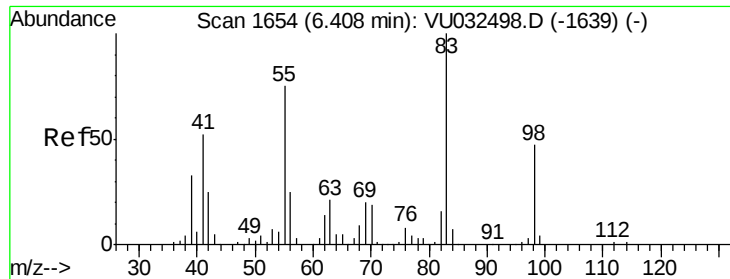
62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032498.D (-1326) (-)





#35

Methylcyclohexane

Concen: 7.133 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032512.D

Acq: 06 Jun 2019 21:09

Instrument :

MSVOA\_U

ClientSampleId :

DB8K9

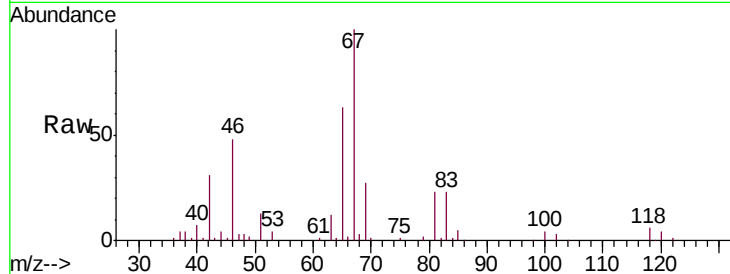
Tgt Ion: 83 Resp: 17690

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.4#

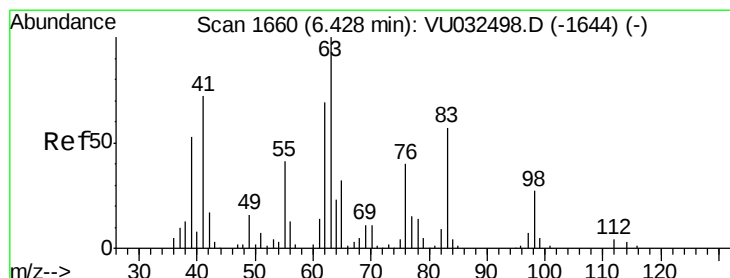
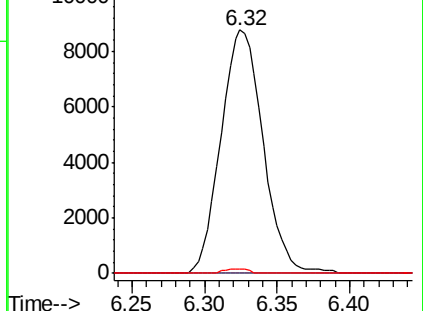
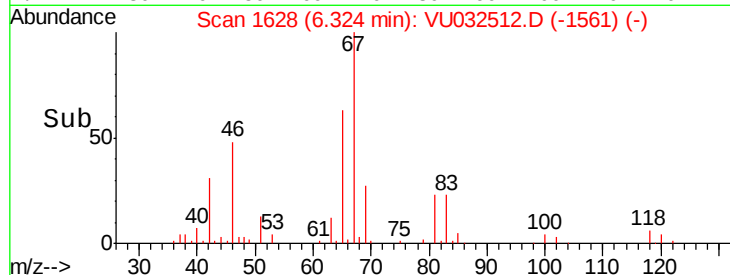
98 1.0 37.4 56.2#



Abundance Ion 83.00 (82.70 to 83.70): VU032512.D (-1561) (-)

Ion 55.00 (54.70 to 55.70): VU032512.D (-1561) (-)

Ion 98.00 (97.70 to 98.70): VU032512.D (-1561) (-)



#37

1,2-Dichloropropane

Concen: 5.659 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032512.D

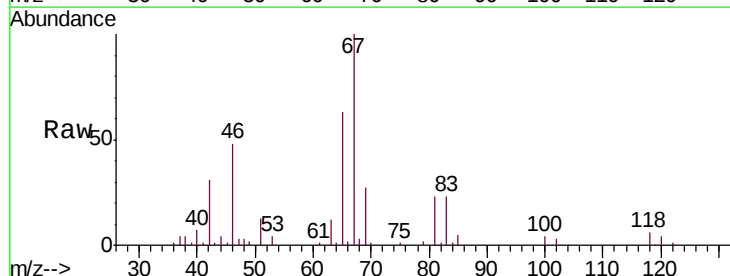
Acq: 06 Jun 2019 21:09

Tgt Ion: 63 Resp: 8448

Ion Ratio Lower Upper

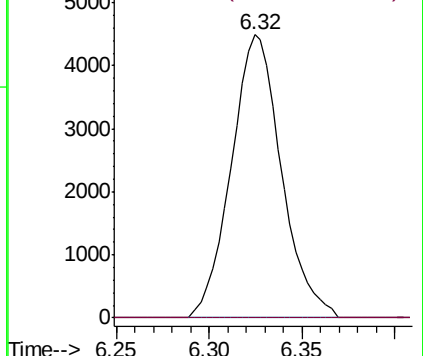
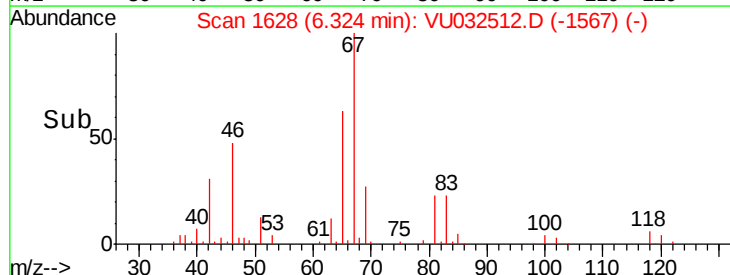
63 100

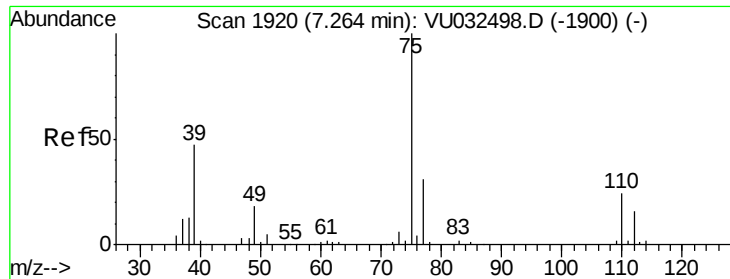
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU032512.D (-1567) (-)

Ion 112.00 (111.70 to 112.70): VU032512.D (-1567) (-)

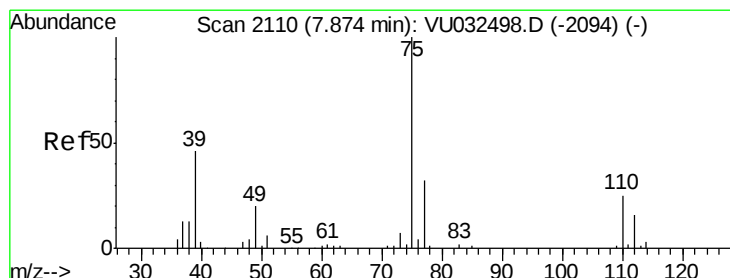
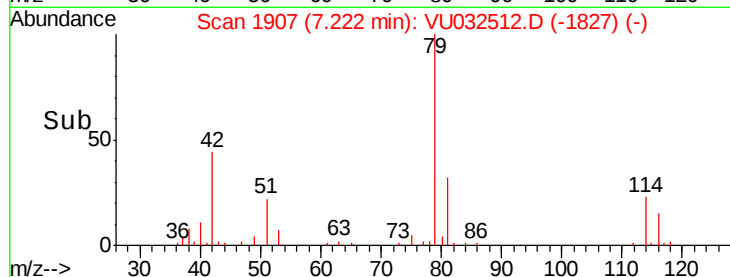
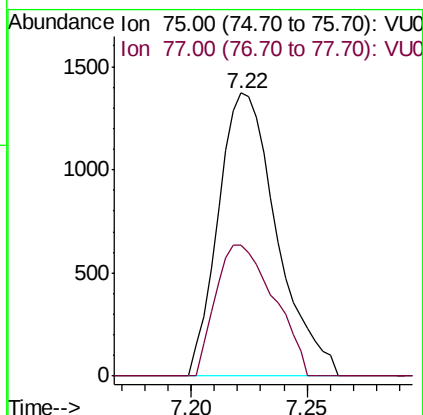
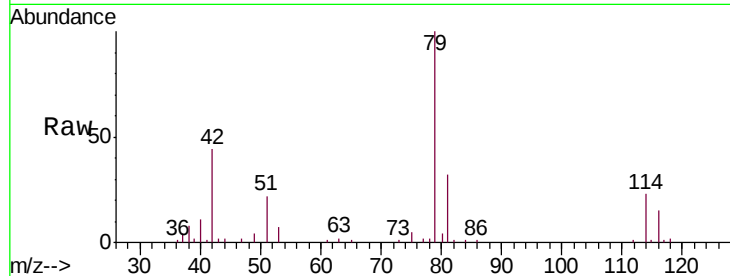




#39  
 cis-1,3-Dichloropropene  
 Concen: 1.022 ug/L  
 RT: 7.22 min Scan# 1907  
 Delta R.T. -0.04 min  
 Lab File: VU032512.D  
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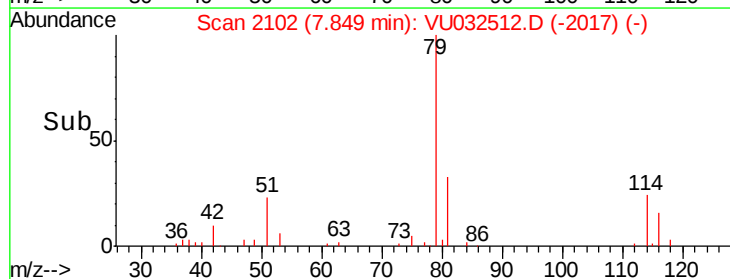
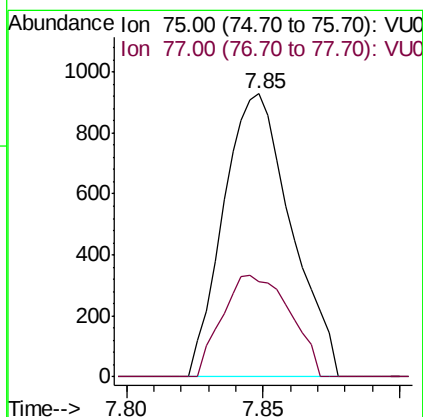
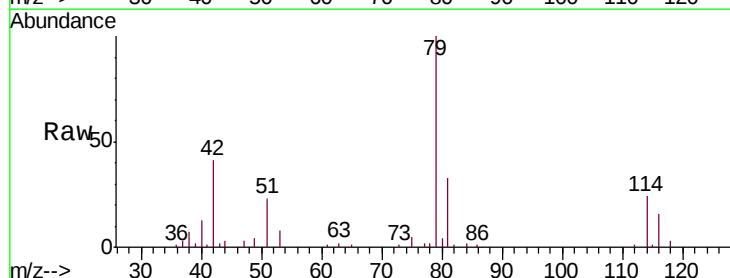
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 DB8K9

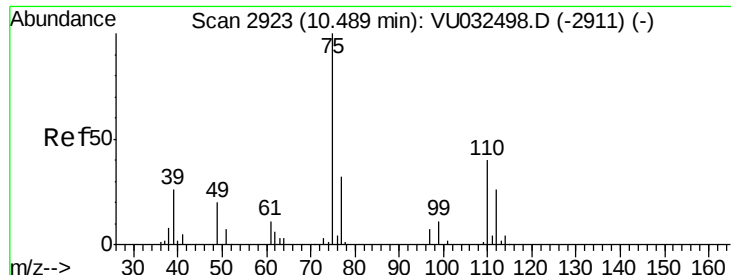
Tgt Ion: 75 Resp: 2407  
 Ion Ratio Lower Upper  
 75 100  
 77 46.1 22.0 41.0#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.765 ug/L  
 RT: 7.85 min Scan# 2102  
 Delta R.T. -0.03 min  
 Lab File: VU032512.D  
 Acq: 06 Jun 2019 21:09

Tgt Ion: 75 Resp: 1600  
 Ion Ratio Lower Upper  
 75 100  
 77 33.5 22.1 41.1





#59

1,2,3-Trichloropropane

Concen: 6.036 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032512.D

Acq: 06 Jun 2019 21:09

Instrument :

MSVOA\_U

ClientSampleId :

DB8K9

Tgt Ion: 75 Resp: 11712

Ion Ratio Lower Upper

75 100

77 37.2 25.6 38.4

