

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032819\  
 Data File : VU030524.D  
 Acq On : 28 Mar 2019 18:58  
 Operator : JC/SP  
 Sample : K2128-11  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF1A6

Quant Time: Mar 29 01:57:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 29 01:19:16 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 419706   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 394577   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 150628   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 147830   | 43.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.54%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 126298   | 47.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 94.34%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 214346   | 33.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.90%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 280140   | 88.23    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 88.23%  |
| 24) Chloroform-d               | 4.64    | 84    | 268872   | 46.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 186639   | 49.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.02%  |
| 32) Benzene-d6                 | 5.34    | 84    | 529129   | 46.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.52%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 197358   | 50.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.96% |
| 41) Toluene-d8                 | 7.56    | 98    | 447984   | 44.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.16%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 76596    | 42.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.16%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 174190   | 83.03    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 83.03%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 266169   | 48.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.10%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 152222   | 50.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.88% |

## Target Compounds

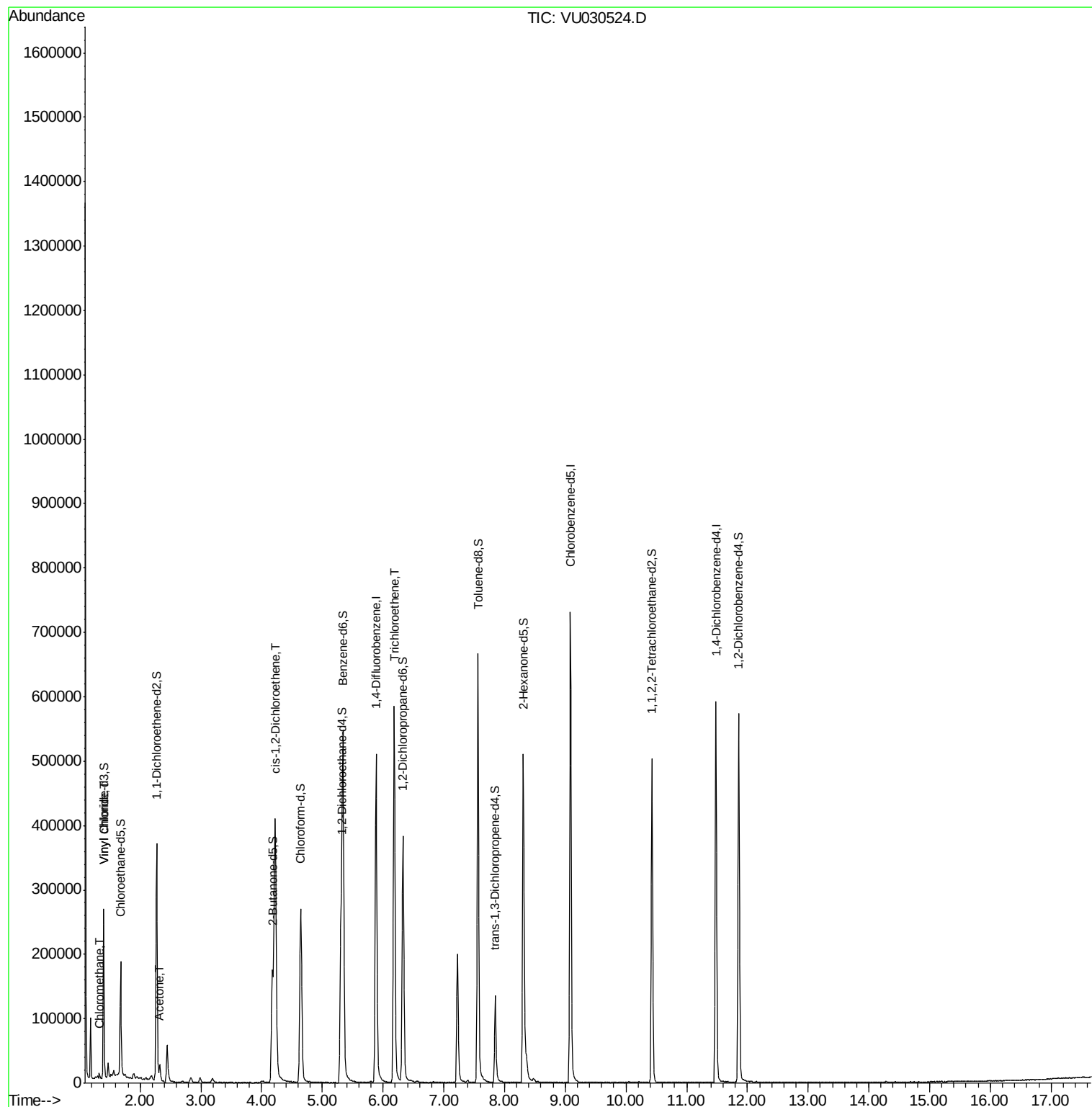
|                            |      |    |        |              | Ovalue |
|----------------------------|------|----|--------|--------------|--------|
| 3) Chloromethane           | 1.33 | 50 | 5886   | 1.136 ug/L   | 98     |
| 5) Vinyl chloride          | 1.40 | 62 | 13556  | 2.760 ug/L # | 75     |
| 13) Acetone                | 2.32 | 43 | 23806  | 7.414 ug/L   | 95     |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 216927 | 61.397 ug/L  | 99     |
| 34) Trichloroethene        | 6.18 | 95 | 217230 | 65.788 ug/L  | 98     |

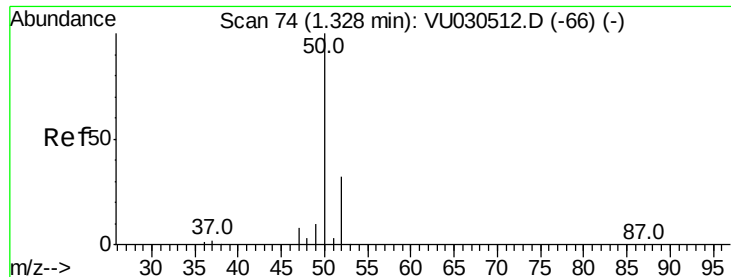
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.136 ug/L

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030524.D

Acq: 28 Mar 2019 18:58

Instrument :

MSVOA\_U

ClientSampleId :

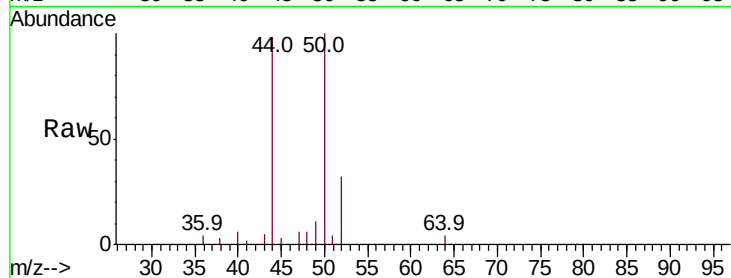
BF1A6

Tot Ion: 50 Resp: 5886

Ion Ratio Lower Upper

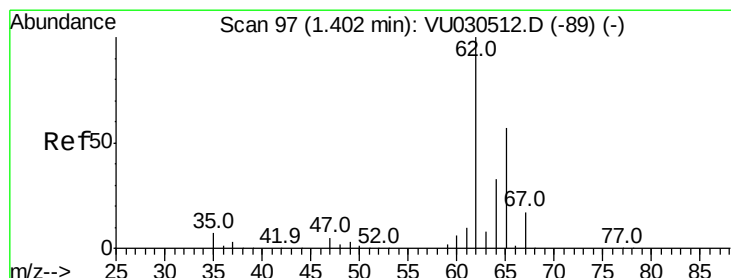
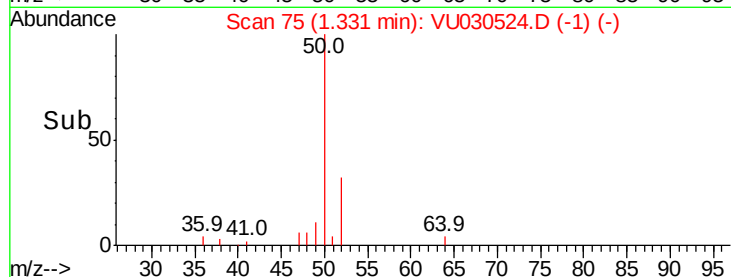
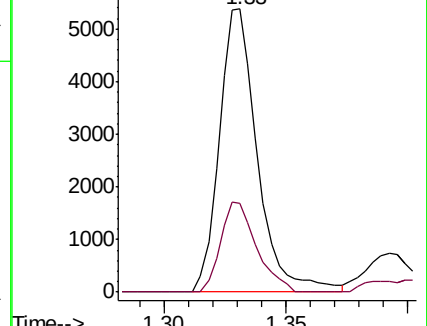
50 100

52 31.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU030524.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU030524.D (-66) (-)



#5

Vinyl chloride

Concen: 2.760 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030524.D

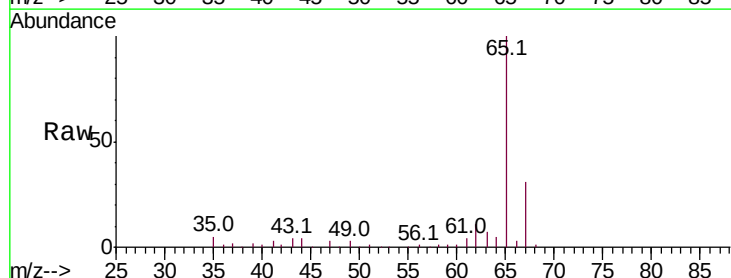
Acq: 28 Mar 2019 18:58

Tgt Ion: 62 Resp: 13556

Ion Ratio Lower Upper

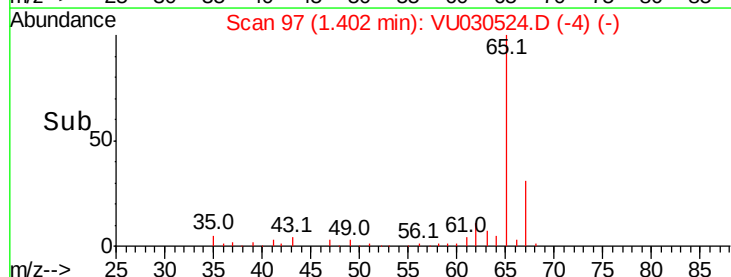
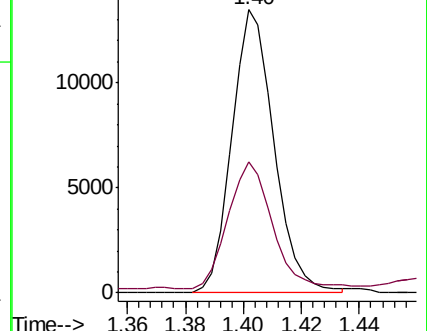
62 100

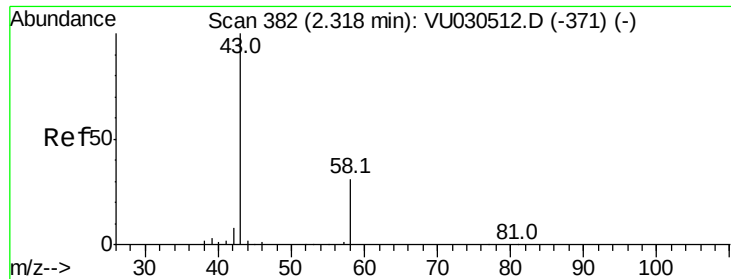
64 46.3 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VU030524.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU030524.D (-89) (-)





#13

Acetone

Concen: 7.414 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030524.D

Acq: 28 Mar 2019 18:58

Instrument :

MSVOA\_U

ClientSampleId :

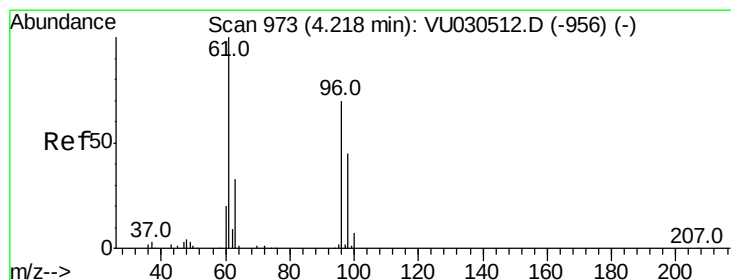
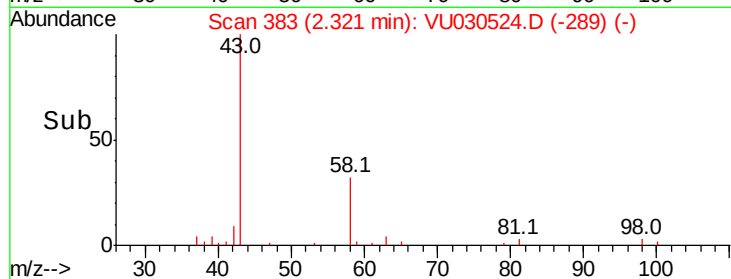
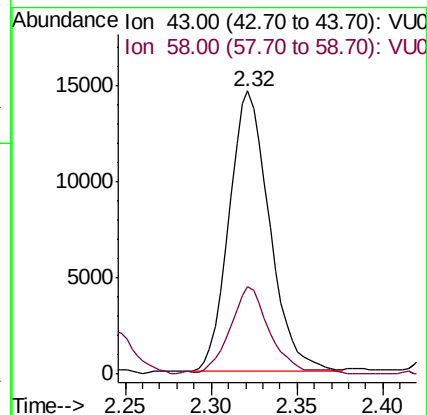
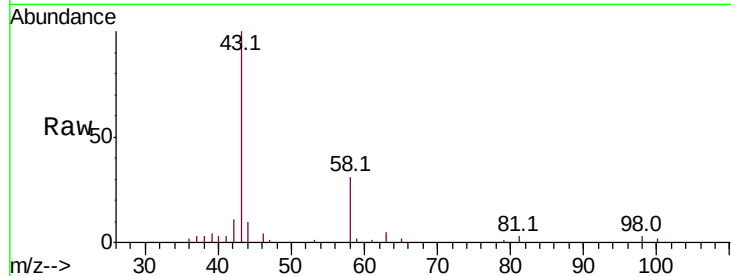
BF1A6

Tot Ion: 43 Resp: 23806

Ion Ratio Lower Upper

43 100

58 28.7 0.0 62.8



#20

cis-1,2-Dichloroethene

Concen: 61.397 ug/L

RT: 4.22 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU030524.D

Acq: 28 Mar 2019 18:58

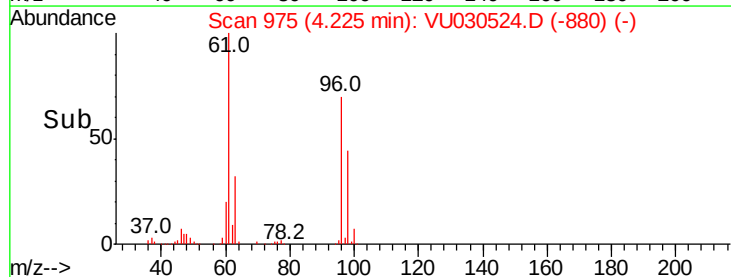
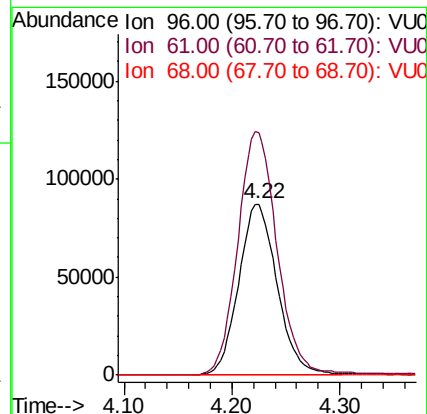
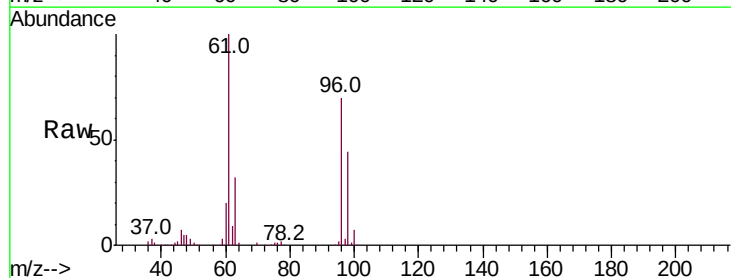
Tgt Ion: 96 Resp: 216927

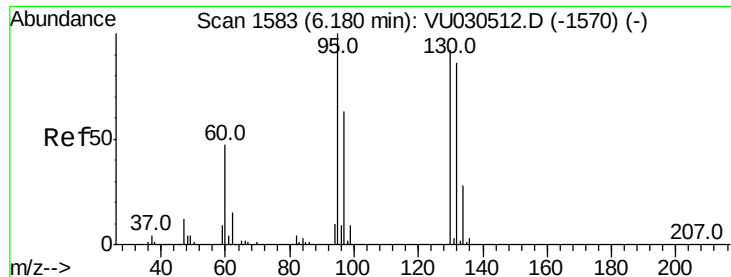
Ion Ratio Lower Upper

96 100

61 142.1 98.4 182.8

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 65.788 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030524.D

Acq: 28 Mar 2019 18:58

Instrument :

MSVOA\_U

ClientSampleId :

BF1A6

Tot Ion: 95 Resp: 217230

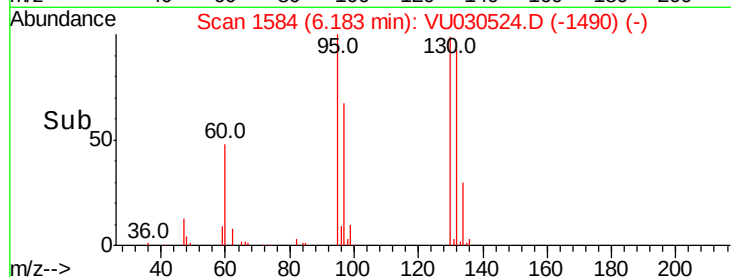
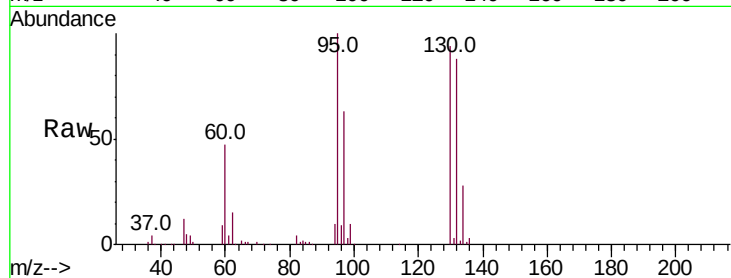
Ion Ratio Lower Upper

95 100

97 62.9 45.7 84.9

132 88.1 63.8 118.4

130 93.7 65.7 121.9



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

