

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062118\  
 Data File : VV006389.D  
 Acq On : 21 Jun 2018 12:56  
 Operator : SY/MD  
 Sample : J3513-18DL 4X  
 Misc : 25 mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0KF4DL

Quant Time: Jun 22 01:38:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053118WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 22 01:25:25 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 313026   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 278252   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 128244   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 81262    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.00%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 23090    | 1.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 33.80%# |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 120714   | 3.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.60%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 228995   | 63.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 126.16% |
| 24) Chloroform-d               | 4.41   | 84    | 167150   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.00% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 85904    | 5.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 107.40% |
| 32) Benzene-d6                 | 5.10   | 84    | 353728   | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 110998   | 5.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 110.40% |
| 41) Toluene-d8                 | 7.36   | 98    | 314292   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.60%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 33555    | 3.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 74.60%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 177785   | 45.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 91.56%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 70218    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 118761   | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.80% |

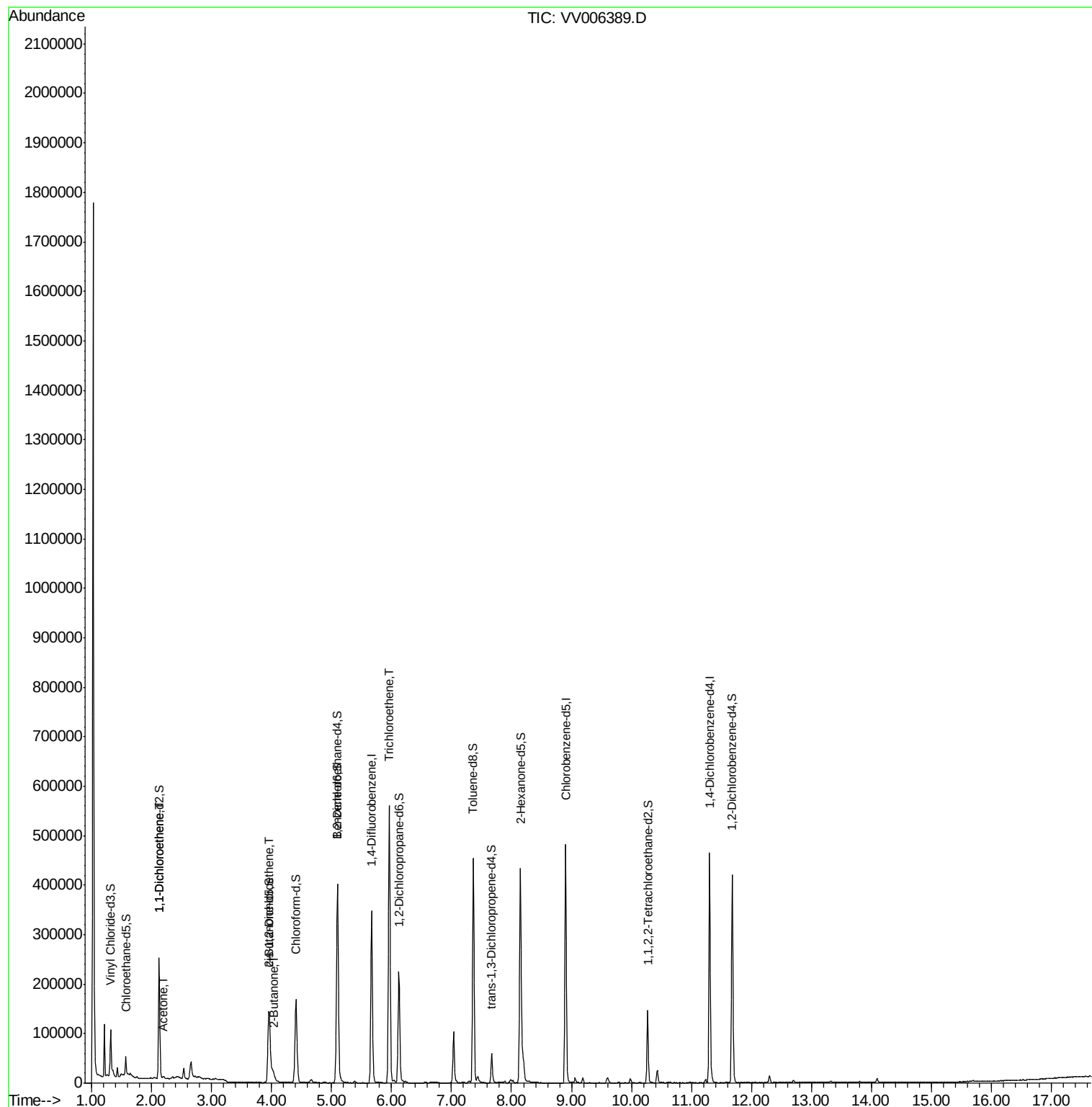
| Target Compounds           |      |    |        |           | Ovalue |
|----------------------------|------|----|--------|-----------|--------|
| 12) 1,1-Dichloroethene     | 2.14 | 96 | 13667  | 0.76 ug/L | # 1    |
| 13) Acetone                | 2.20 | 43 | 4384   | 2.23 ug/L | 92     |
| 21) 2-Butanone             | 4.04 | 43 | 4939   | 1.38 ug/L | # 66   |
| 22) cis-1,2-Dichloroethene | 3.97 | 96 | 11200  | 0.53 ug/L | # 100  |
| 34) Trichloroethene        | 5.96 | 95 | 189801 | 9.06 ug/L | 99     |

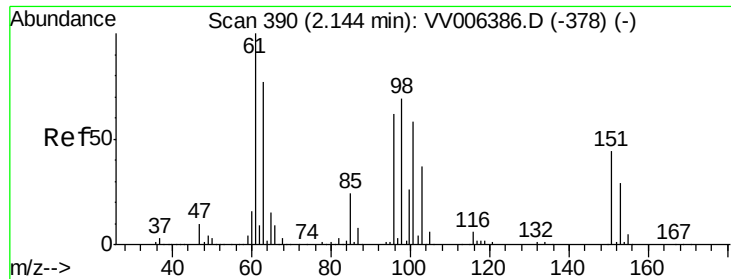
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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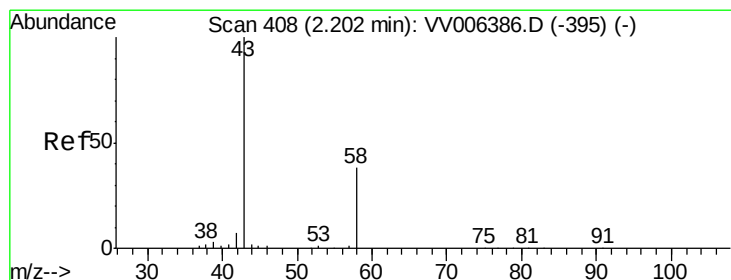
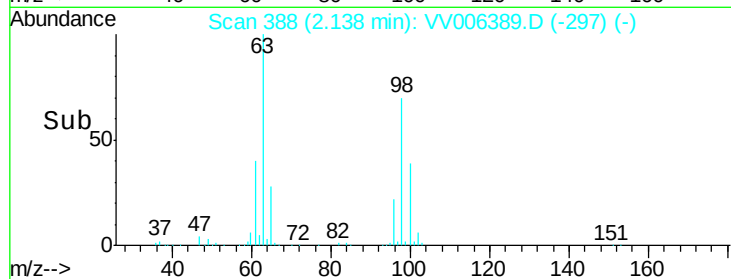
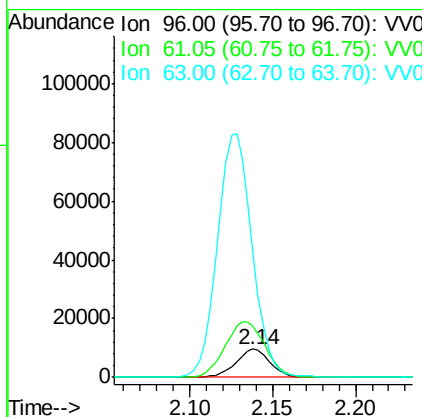
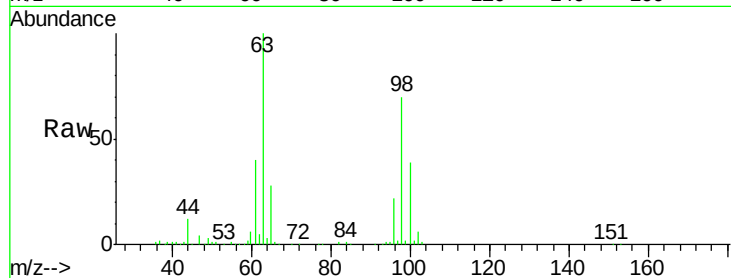




#12  
 1,1-Dichloroethene  
 Concen: 0.76 ug/L  
 RT: 2.14 min Scan# 388  
 Delta R.T. -0.01 min  
 Lab File: VV006389.D  
 Acq: 21 Jun 2018 12:56

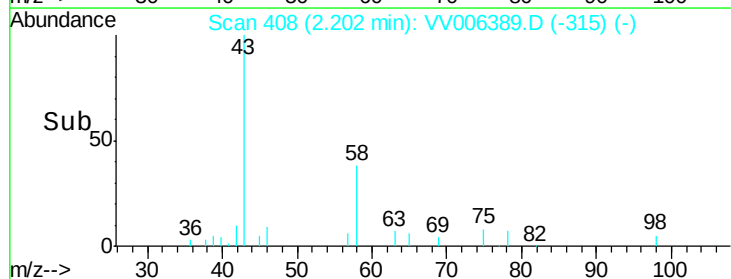
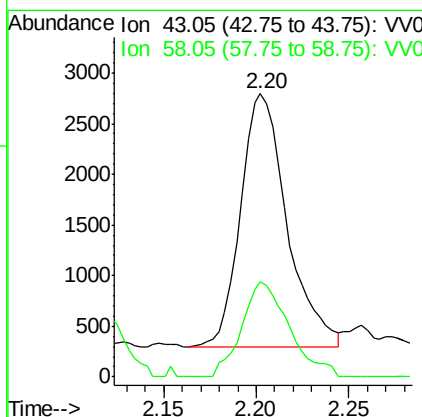
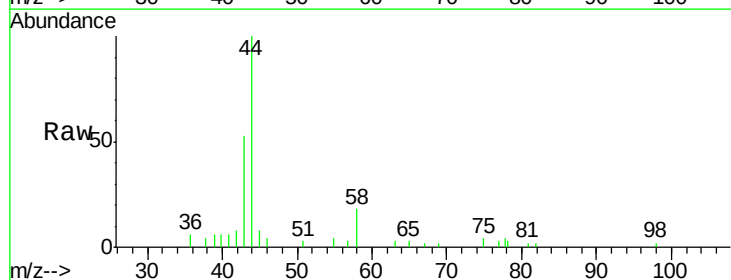
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0KF4DL

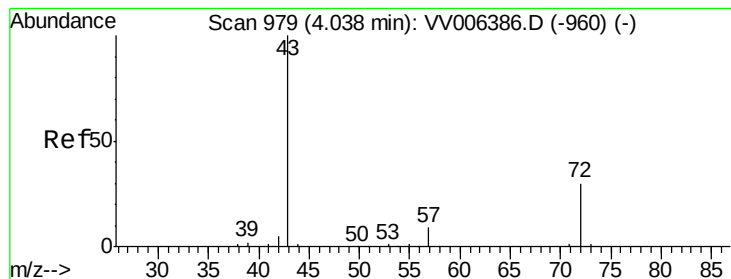
| Tot Ion | Resp  | Lower | Upper  |
|---------|-------|-------|--------|
| 96      | 100   |       |        |
| 61      | 183.5 | 114.2 | 212.2  |
| 63      | 455.4 | 85.0  | 157.8# |



#13  
 Acetone  
 Concen: 2.23 ug/L  
 RT: 2.20 min Scan# 408  
 Delta R.T. 0.00 min  
 Lab File: VV006389.D  
 Acq: 21 Jun 2018 12:56

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43      | 100  |       |       |
| 58      | 38.2 | 0.0   | 67.4  |





#21

2-Butanone

Concen: 1.38 ug/L

RT: 4.04 min Scan# 981

Delta R.T. 0.01 min

Lab File: VV006389.D

Acq: 21 Jun 2018 12:56

Instrument :

MSVOA\_V

ClientSampleId :

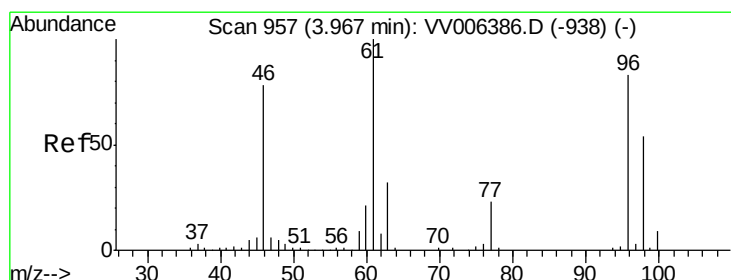
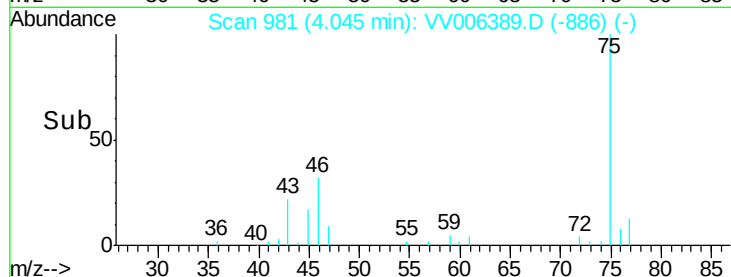
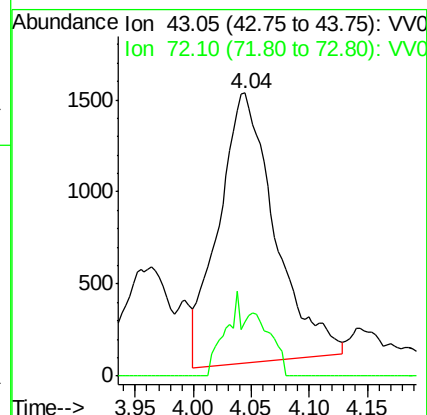
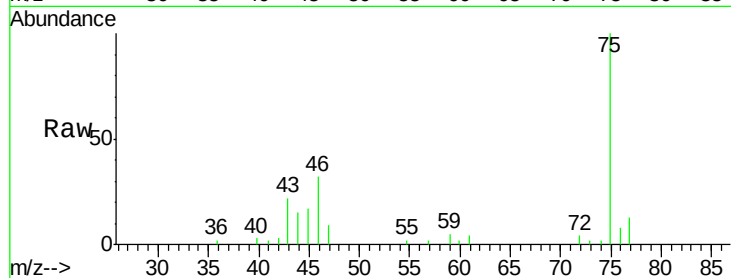
C0KF4DL

Tot Ion: 43 Resp: 4939

Ion Ratio Lower Upper

43 100

72 9.9 13.8 41.3#



#22

cis-1,2-Dichloroethene

Concen: 0.53 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006389.D

Acq: 21 Jun 2018 12:56

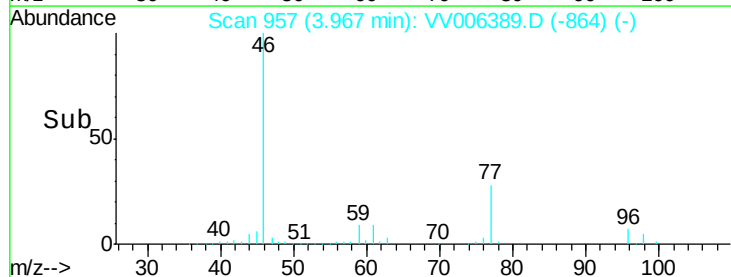
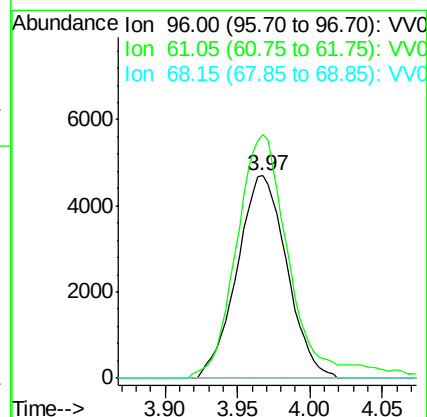
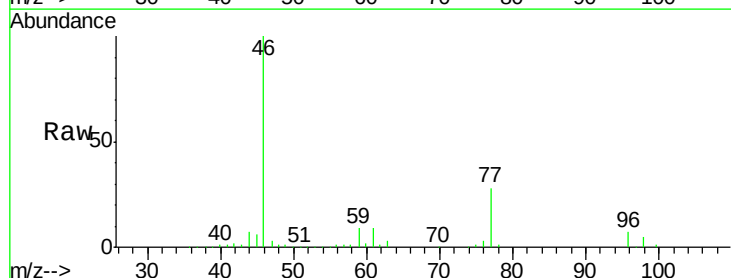
Tgt Ion: 96 Resp: 11200

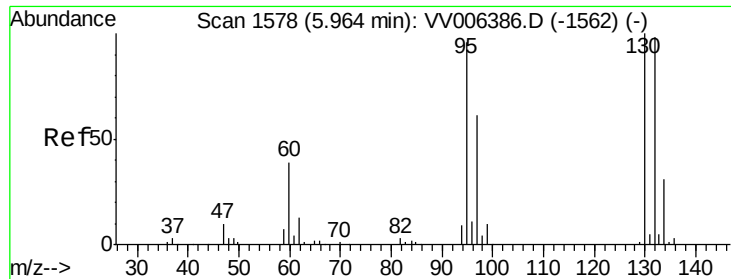
Ion Ratio Lower Upper

96 100

61 120.5 84.1 156.3

68 0.0 0.3 0.5#





#34

Trichloroethene

Concen: 9.06 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006389.D

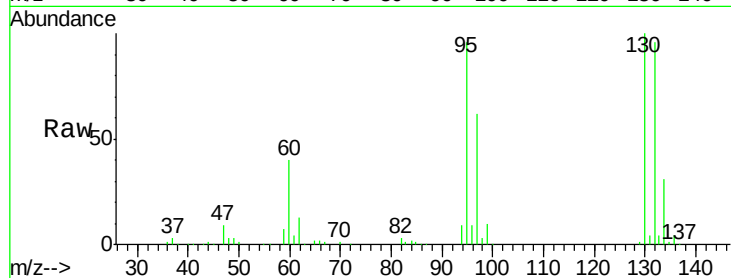
Acq: 21 Jun 2018 12:56

Instrument :

MSVOA\_V

ClientSampleId :

C0KF4DL



Tot Ion: 95 Resp: 189801

Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 100.0 69.0 128.1

130 104.5 72.8 135.2

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

