

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU112018\  
 Data File : VU028285.D  
 Acq On : 20 Nov 2018 18:10  
 Operator : MD/SY  
 Sample : J5995-08DL 10X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0FK7DL

Quant Time: Nov 21 07:27:10 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Nov 21 07:07:52 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 127039   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 123628   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 53670    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 40188    | 4.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 84.00%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 39278    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 61478    | 3.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 64.60%  |
| 20) 2-Butanone-d5              | 4.20   | 46    | 180382   | 56.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 112.78% |
| 24) Chloroform-d               | 4.65   | 84    | 88151    | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 49394    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.20% |
| 32) Benzene-d6                 | 5.34   | 84    | 165670   | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 65098    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.80% |
| 41) Toluene-d8                 | 7.57   | 98    | 134938   | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.80%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 17389    | 4.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.20%  |
| 46) 2-Hexanone-d5              | 8.32   | 63    | 124607   | 50.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.68% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 50524    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 108.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 50108    | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.40% |

## Target Compounds

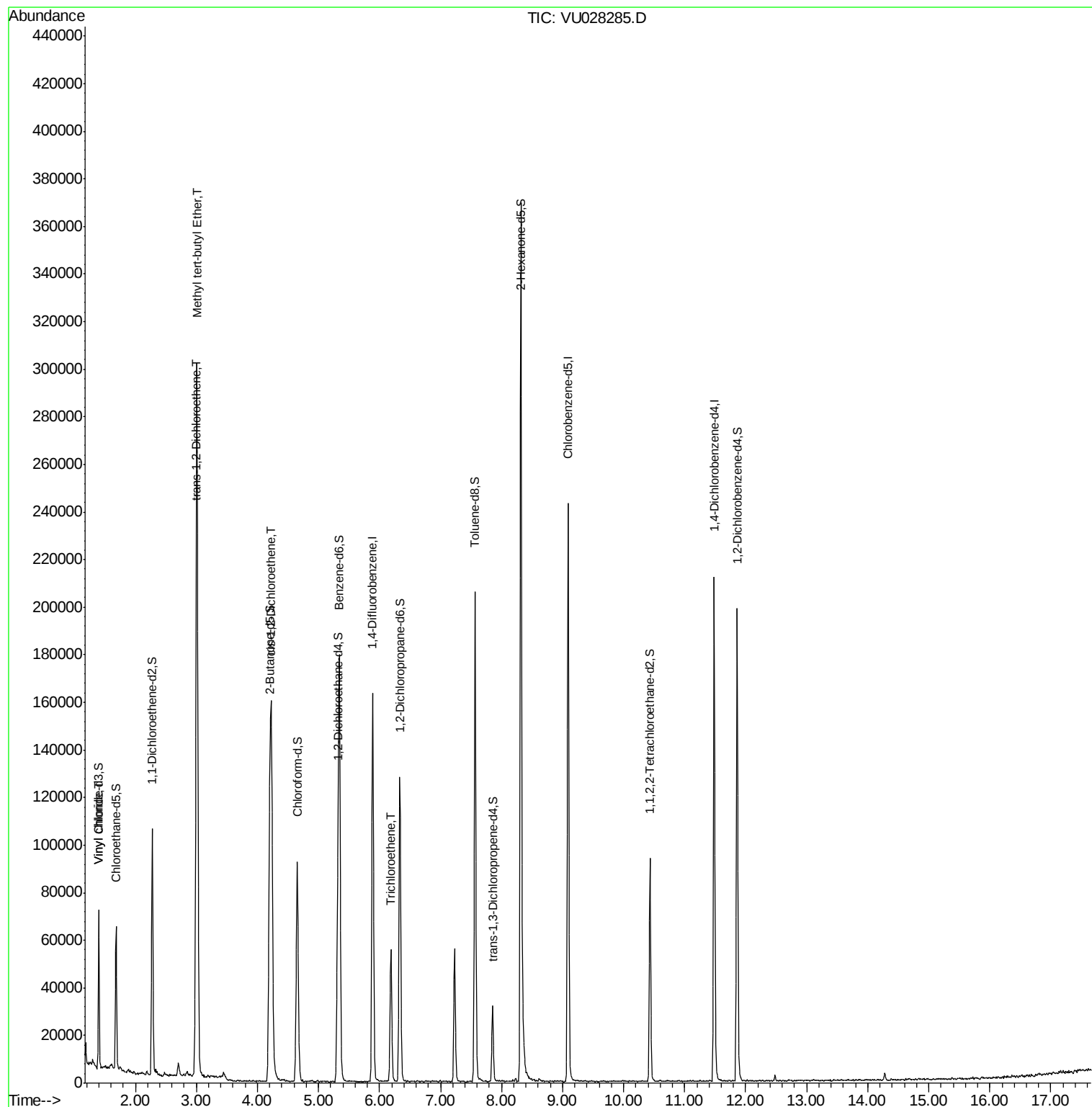
|                              |      |    |        |            | Qvalue |
|------------------------------|------|----|--------|------------|--------|
| 5) Vinyl chloride            | 1.40 | 62 | 4235   | 0.33 ug/L  | # 71   |
| 17) Methyl tert-butyl Ether  | 3.01 | 73 | 299267 | 12.74 ug/L | 98     |
| 18) trans-1,2-Dichloroethene | 2.99 | 96 | 1772   | 0.21 ug/L  | 86     |
| 22) cis-1,2-Dichloroethene   | 4.23 | 96 | 61623  | 6.26 ug/L  | 96     |
| 34) Trichloroethene          | 6.19 | 95 | 19899  | 1.99 ug/L  | 97     |

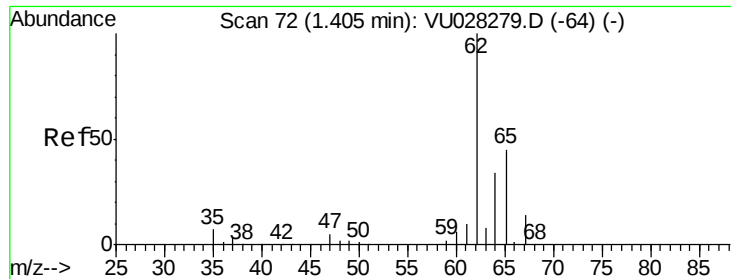
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.33 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

Instrument :

MSVOA\_U

ClientSampleId :

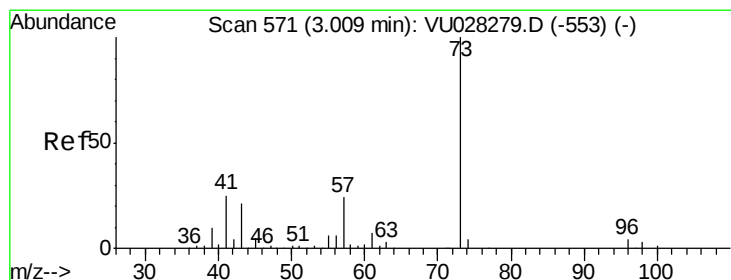
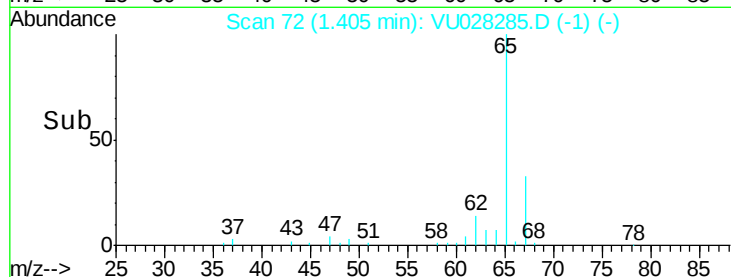
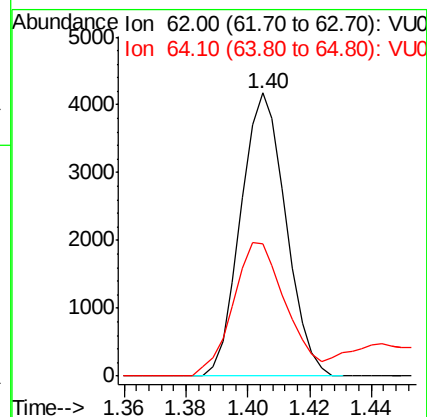
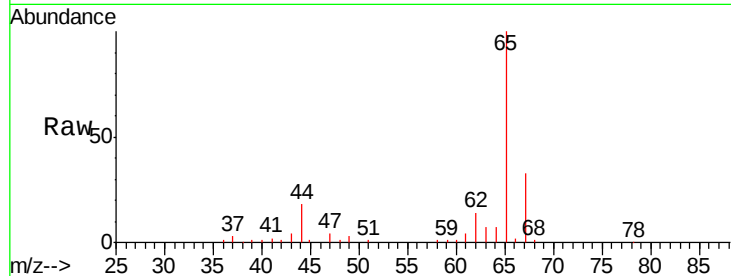
H0FK7DL

Tgt Ion: 62 Resp: 4235

Ion Ratio Lower Upper

62 100

64 46.7 21.7 40.3#



#17

Methyl tert-butyl Ether

Concen: 12.74 ug/L

RT: 3.01 min Scan# 571

Delta R.T. -0.00 min

Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

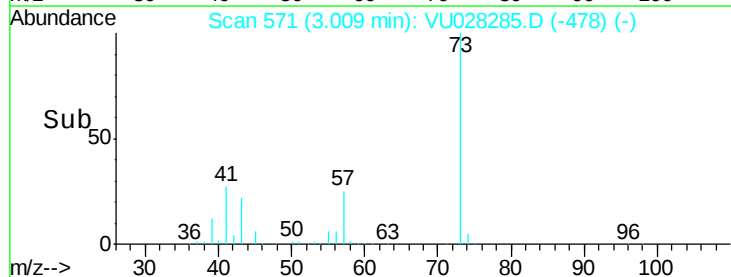
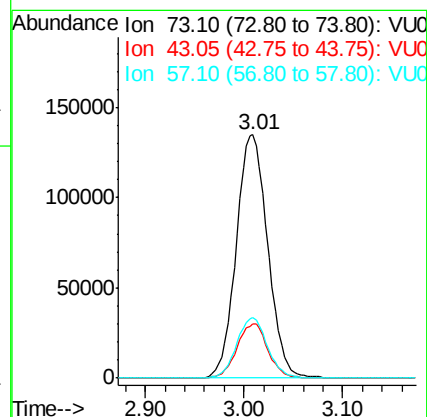
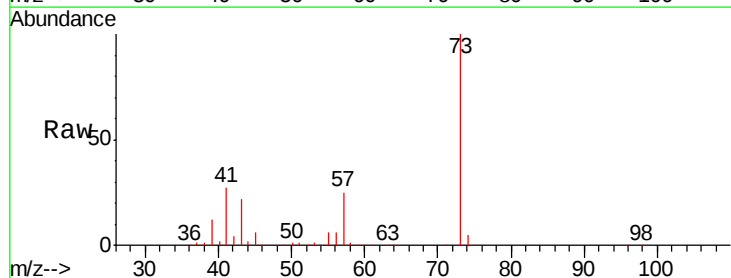
Tgt Ion: 73 Resp: 299267

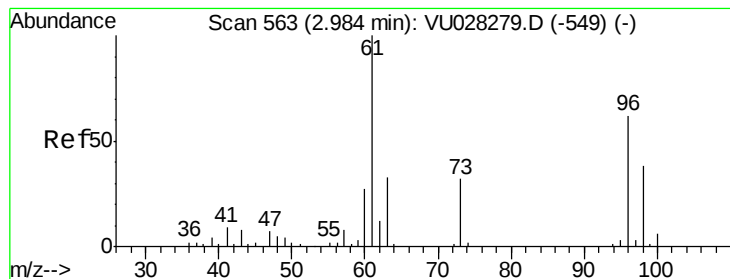
Ion Ratio Lower Upper

73 100

43 22.2 18.8 28.2

57 24.2 19.2 28.8





#18

trans-1,2-Dichloroethene

Concen: 0.21 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

Instrument :

MSVOA\_U

ClientSampleId :

H0FK7DL

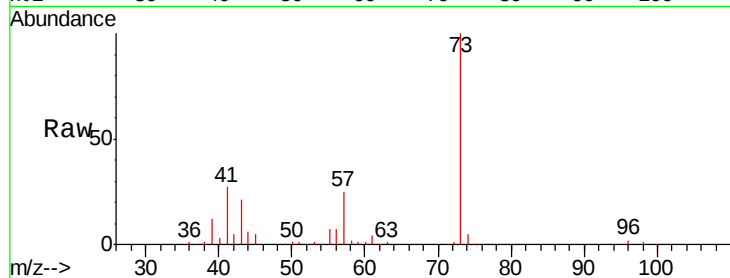
Tgt Ion: 96 Resp: 1772

Ion Ratio Lower Upper

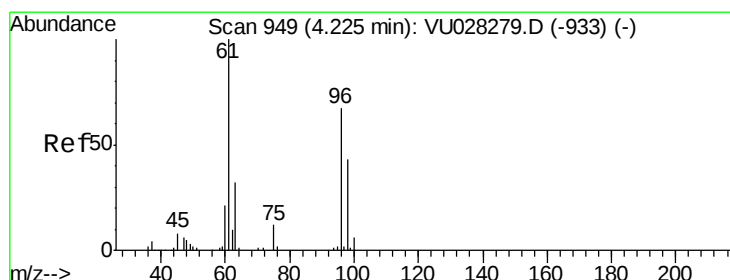
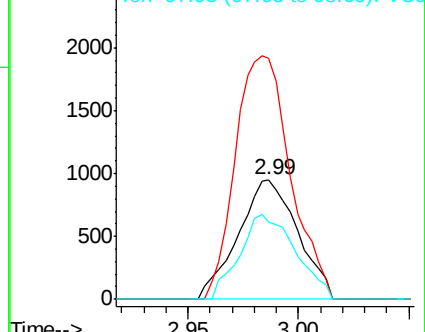
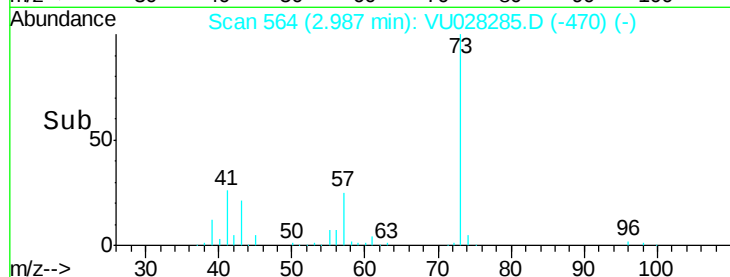
96 100

61 201.2 122.2 227.0

98 64.3 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU028285.D (-470) (-)



#22

cis-1,2-Dichloroethene

Concen: 6.26 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

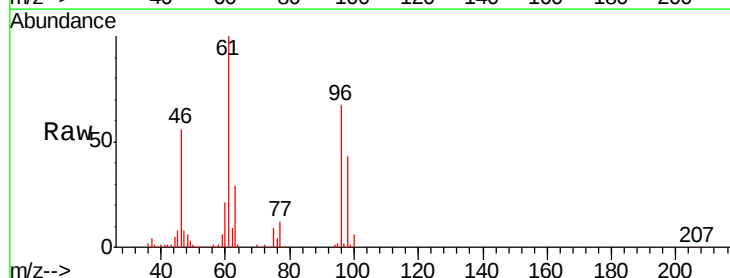
Tgt Ion: 96 Resp: 61623

Ion Ratio Lower Upper

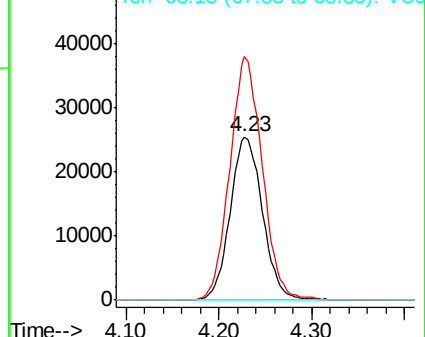
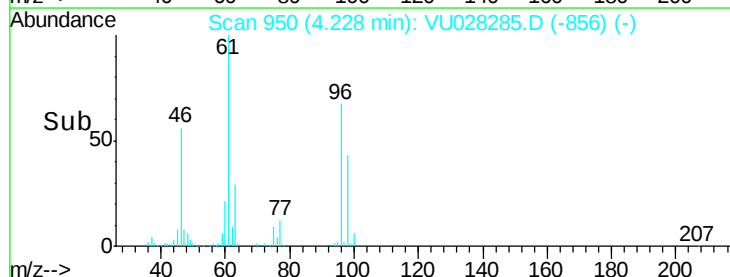
96 100

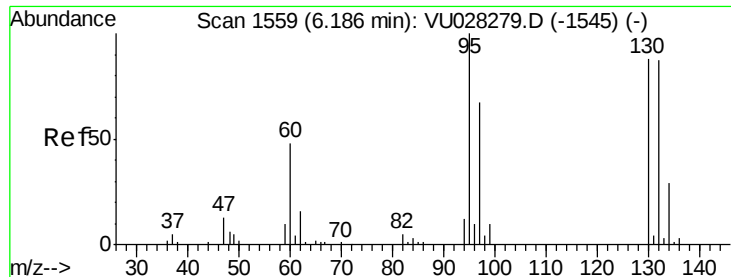
61 149.3 108.0 200.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU028285.D (-856) (-)





#34

Trichloroethene

Concen: 1.99 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028285.D

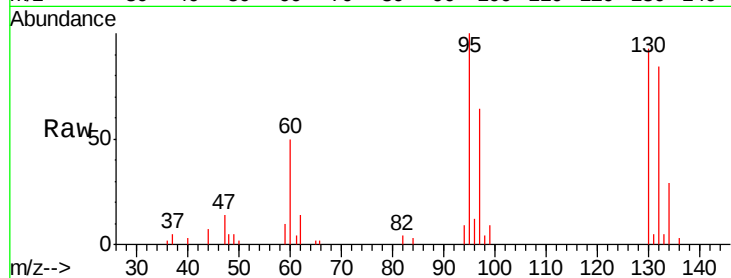
Acq: 20 Nov 2018 18:10

Instrument :

MSVOA\_U

ClientSampleId :

H0FK7DL



Tgt Ion: 95 Resp: 19899

Ion Ratio Lower Upper

95 100

97 63.8 46.5 86.3

132 84.4 58.9 109.3

130 93.2 61.3 113.9

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

