

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111918\  
 Data File : VU028256.D  
 Acq On : 19 Nov 2018 16:03  
 Operator : MD/SY  
 Sample : J5986-10DL 4X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0FJ5DL

Quant Time: Nov 20 07:57:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Nov 20 07:07:24 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 133214   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 127799   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 56568    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 41685    | 4.16     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 83.20% |
| 7) Chloroethane-d5             | 1.68   | 69    | 37799    | 4.37     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 87.40% |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 60931    | 3.05     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.00% |
| 20) 2-Butanone-d5              | 4.20   | 46    | 147967   | 44.11    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 88.22% |
| 24) Chloroform-d               | 4.65   | 84    | 77115    | 4.12     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.40% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 44364    | 4.29     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.80% |
| 32) Benzene-d6                 | 5.34   | 84    | 159148   | 4.33     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.60% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 58296    | 4.36     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 87.20% |
| 41) Toluene-d8                 | 7.57   | 98    | 134983   | 4.10     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 82.00% |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 17388    | 4.08     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.60% |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 101787   | 39.77    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 79.54% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 42410    | 4.40     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 48214    | 4.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 91.60% |

## Target Compounds

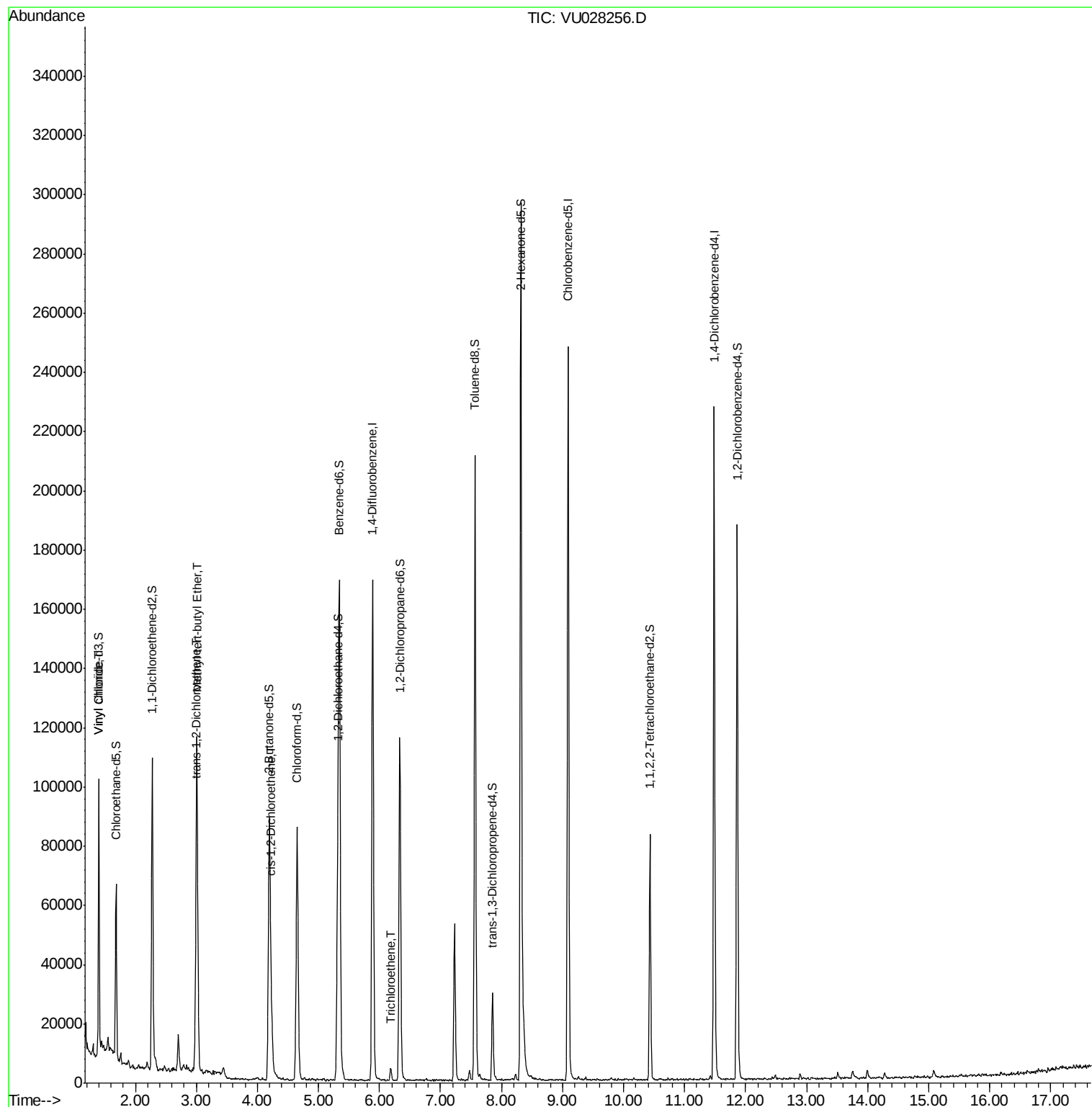
|                              |      |    |        |            | Ovalue |
|------------------------------|------|----|--------|------------|--------|
| 5) Vinyl chloride            | 1.41 | 62 | 13012  | 0.962 ug/L | # 60   |
| 17) Methyl tert-butyl Ether  | 3.01 | 73 | 107447 | 4.361 ug/L | 99     |
| 18) trans-1,2-Dichloroethene | 2.99 | 96 | 851    | 0.097 ug/L | 94     |
| 22) cis-1,2-Dichloroethene   | 4.22 | 96 | 5385   | 0.521 ug/L | 91     |
| 34) Trichloroethene          | 6.19 | 95 | 1299   | 0.126 ug/L | 85     |

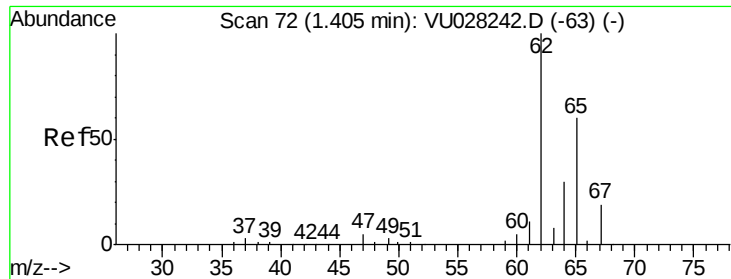
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111918\  
Data File : VU028256.D  
Acq On : 19 Nov 2018 16:03  
Operator : MD/SY  
Sample : J5986-10DL 4X  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
H0FJ5DL

Quant Time: Nov 20 07:57:02 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Nov 20 07:07:24 2018  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.962 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028256.D

Acq: 19 Nov 2018 16:03

Instrument :

MSVOA\_U

ClientSampleId :

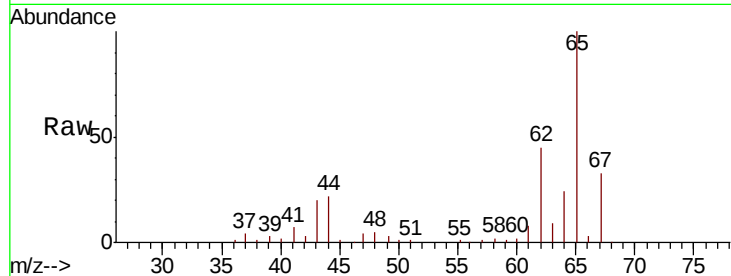
H0FJ5DL

Tot Ion: 62 Resp: 13012

Ion Ratio Lower Upper

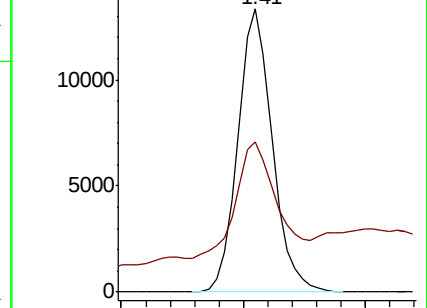
62 100

64 53.0 21.7 40.3#

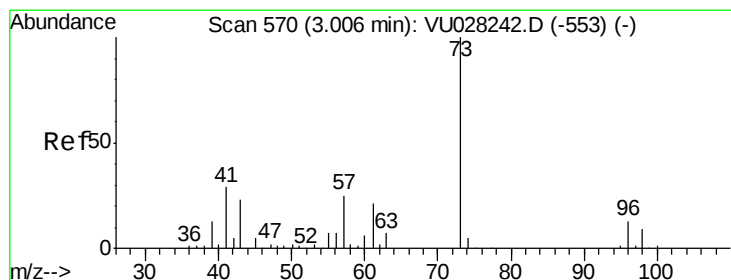
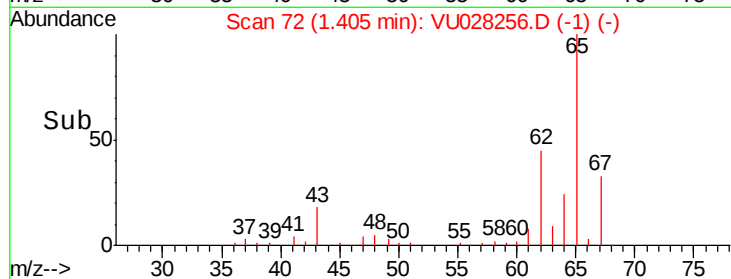


Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



Time--> 1.35 1.40 1.45



#17

Methyl tert-butyl Ether

Concen: 4.361 ug/L

RT: 3.01 min Scan# 570

Delta R.T. 0.00 min

Lab File: VU028256.D

Acq: 19 Nov 2018 16:03

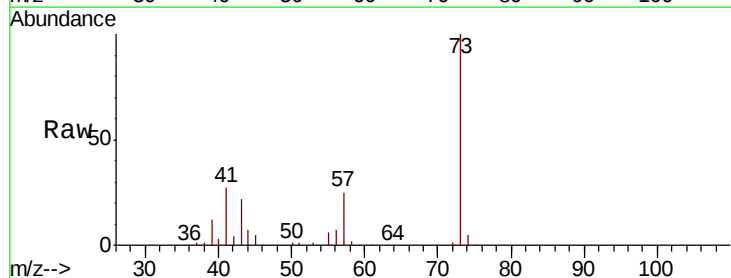
Tgt Ion: 73 Resp: 107447

Ion Ratio Lower Upper

73 100

43 22.6 18.8 28.2

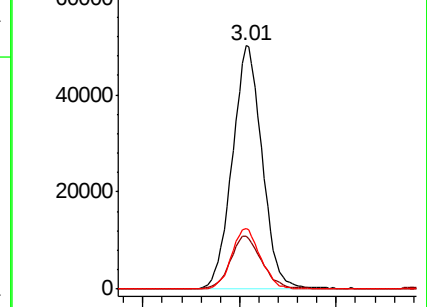
57 24.2 19.2 28.8



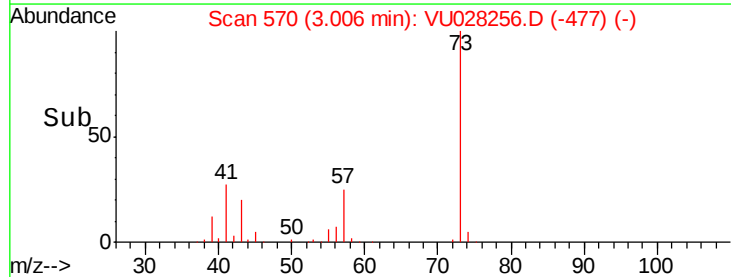
Abundance Ion 73.10 (72.80 to 73.80): VU0

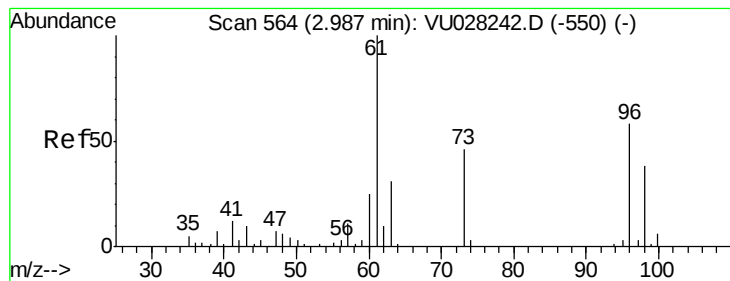
Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0



Time--> 2.90 3.00 3.10





#18

trans-1,2-Dichloroethene

Concen: 0.097 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028256.D

Acq: 19 Nov 2018 16:03

Instrument :

MSVOA\_U

ClientSampleId :

H0FJ5DL

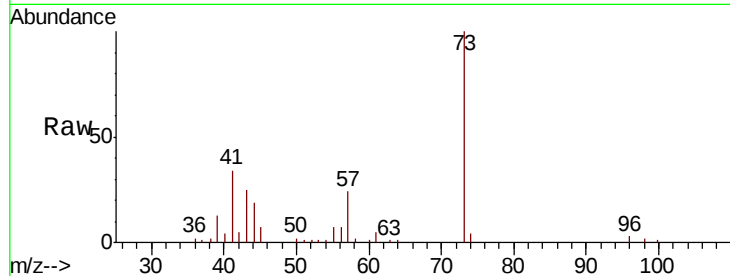
Tot Ion: 96 Resp: 851

Ion Ratio Lower Upper

96 100

61 177.3 122.2 227.0

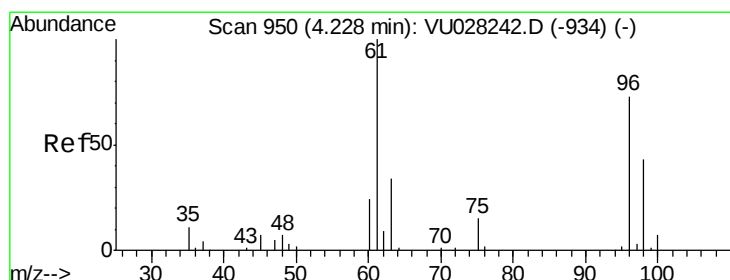
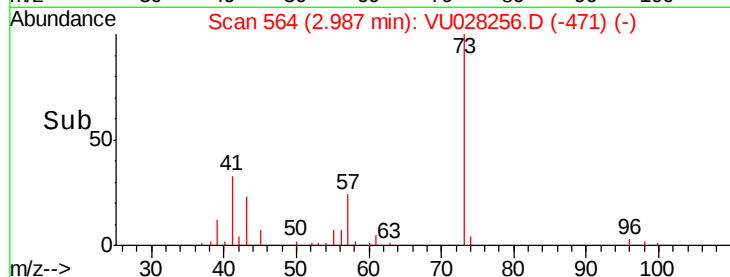
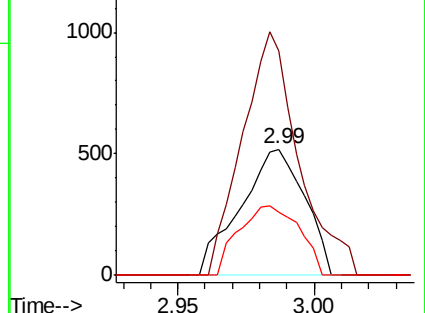
98 50.0 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#22

cis-1,2-Dichloroethene

Concen: 0.521 ug/L

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028256.D

Acq: 19 Nov 2018 16:03

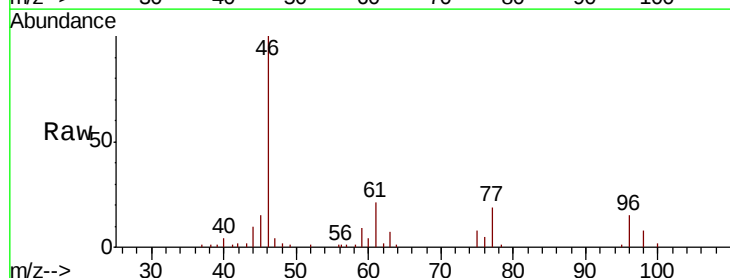
Tgt Ion: 96 Resp: 5385

Ion Ratio Lower Upper

96 100

61 142.8 108.0 200.6

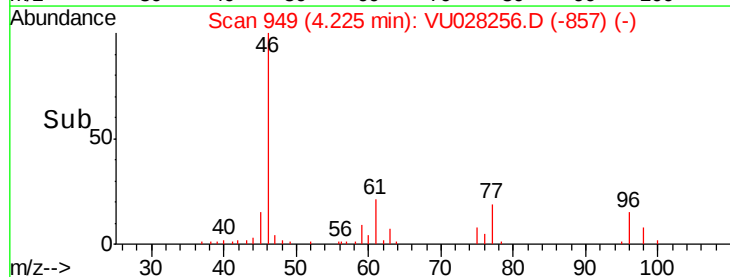
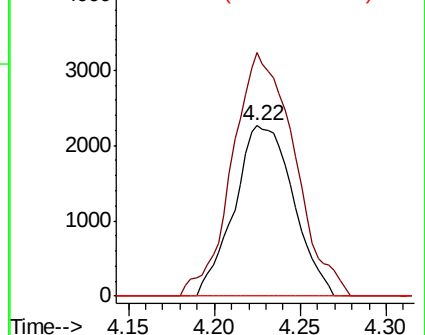
68 0.0 0.0 0.0

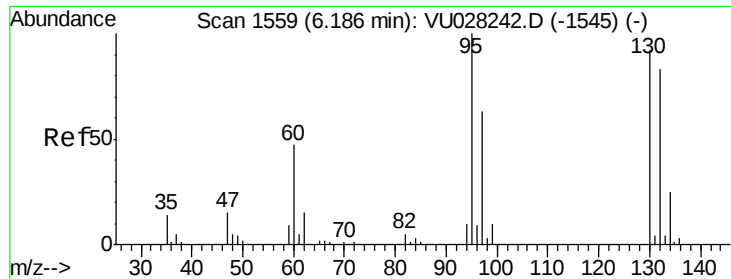


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#34

Trichloroethene

Concen: 0.126 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028256.D

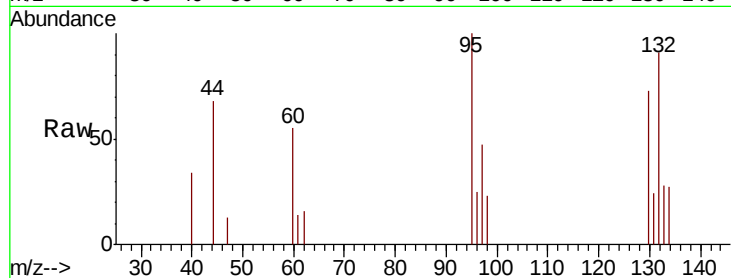
Acq: 19 Nov 2018 16:03

Instrument :

MSVOA\_U

ClientSampleId :

H0FJ5DL



Tot Ion: 95 Resp: 1299

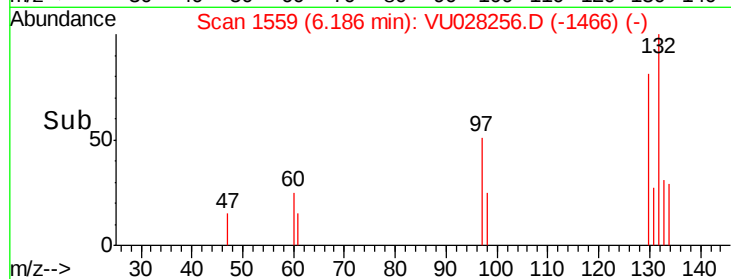
Ion Ratio Lower Upper

95 100

97 46.5 46.5 86.3

132 90.8 58.9 109.3

130 73.5 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

