

Data File : VV006939.D  
Acq On : 08 Aug 2018 17:38  
Operator : SY/MD  
Sample : J4357-11RE  
Misc : 25 mL/MSVOA\_V/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ESWT0RE

Quant Time: Aug 09 07:47:40 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Aug 09 07:05:51 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 207378   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 199920   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 79436    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 62841    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.00% |
| 7) Chloroethane-d5             | 1.58   | 69    | 54925    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 90.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 81595    | 3.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.80%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 236139   | 59.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 119.04% |
| 24) Chloroform-d               | 4.41   | 84    | 136333   | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.40% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 75550    | 5.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.60% |
| 32) Benzene-d6                 | 5.10   | 84    | 249582   | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.00% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 90781    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.00% |
| 41) Toluene-d8                 | 7.36   | 98    | 180744   | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.40%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 26881    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.60%  |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 124722   | 52.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 104.48% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 72213    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 108.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 70295    | 5.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.40% |

#### Target Compounds

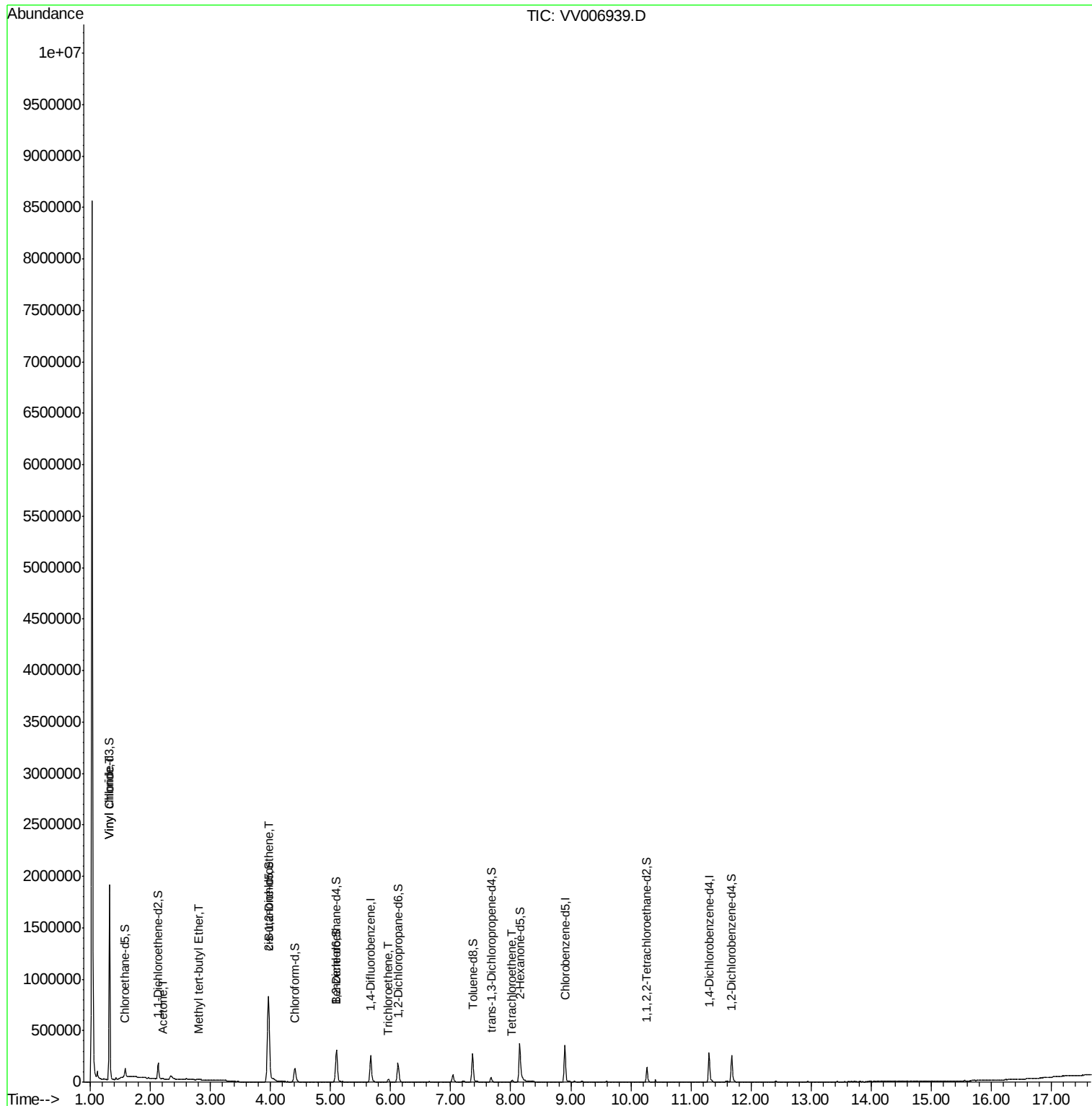
|                             |      |     |         |              | Qvalue |
|-----------------------------|------|-----|---------|--------------|--------|
| 5) Vinyl chloride           | 1.32 | 62  | 1142505 | 58.610 ug/L  | 99     |
| 13) Acetone                 | 2.21 | 43  | 7524    | 2.905 ug/L   | 95     |
| 17) Methyl tert-butyl Ether | 2.81 | 73  | 7523    | 0.211 ug/L # | 84     |
| 22) cis-1,2-Dichloroethene  | 3.97 | 96  | 388497  | 26.068 ug/L  | 99     |
| 34) Trichloroethene         | 5.96 | 95  | 6958    | 0.485 ug/L   | 97     |
| 47) Tetrachloroethene       | 8.02 | 164 | 2931    | 0.269 ug/L   | 97     |

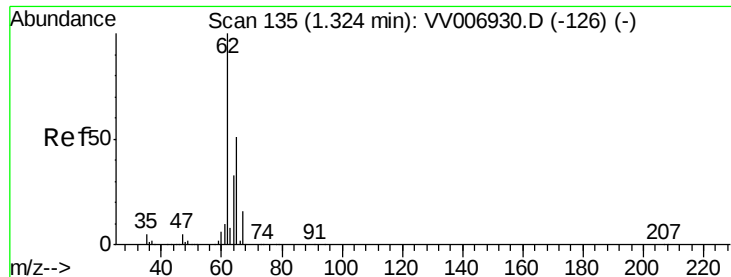
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 58.610 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

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Acq: 08 Aug 2018 17:38

Instrument :

MSVOA\_V

ClientSampleId :

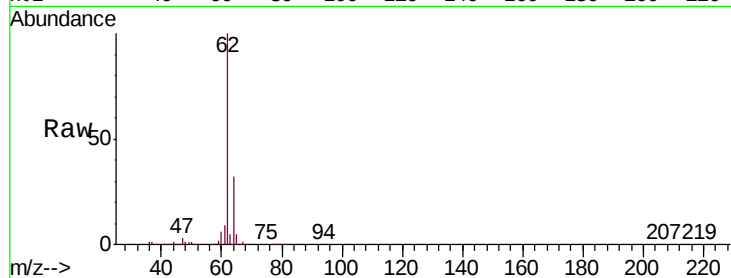
ESWT0RE

Tgt Ion: 62 Resp: 1142505

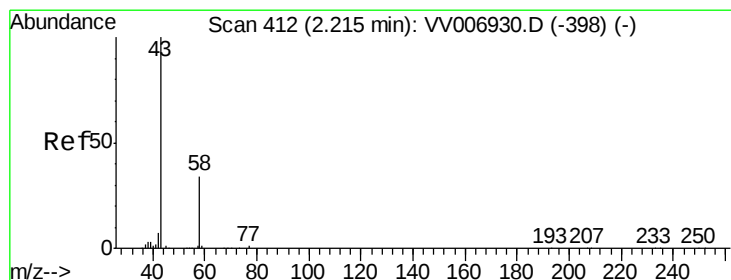
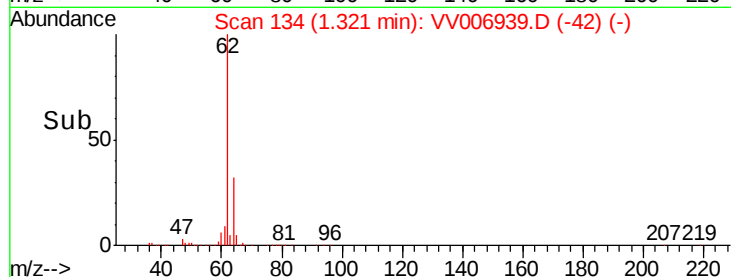
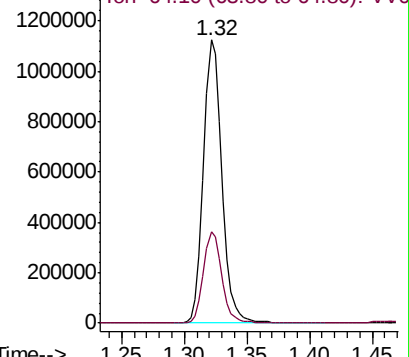
Ion Ratio Lower Upper

62 100

64 32.2 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV006939.D (-126) (-)



#13

Acetone

Concen: 2.905 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.01 min

Lab File: VV006939.D

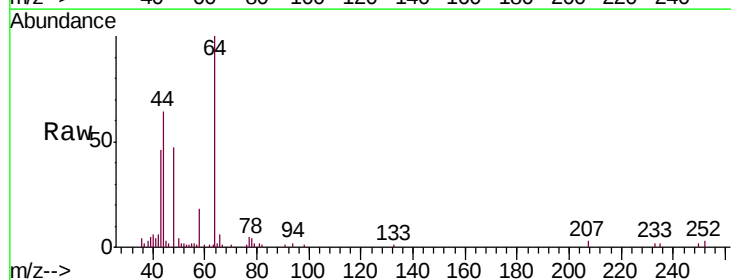
Acq: 08 Aug 2018 17:38

Tgt Ion: 43 Resp: 7524

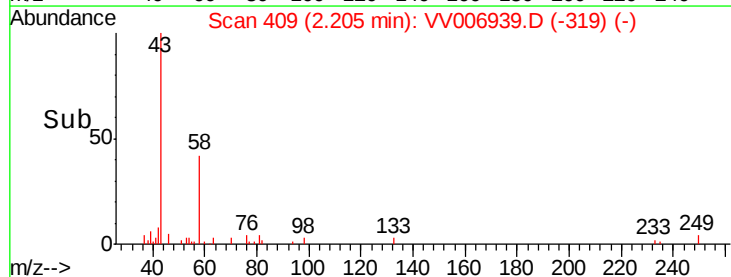
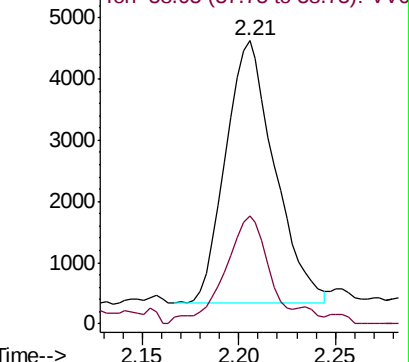
Ion Ratio Lower Upper

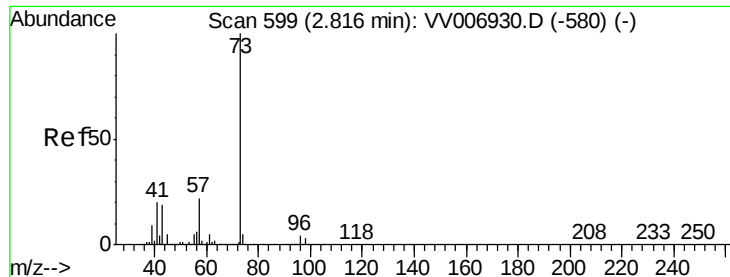
43 100

58 36.6 0.0 68.0



Abundance Ion 43.05 (42.75 to 43.75): VV006939.D (-319) (-)





#17

Methyl tert-butyl Ether

Concen: 0.211 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV006939.D

Acq: 08 Aug 2018 17:38

Instrument :

MSVOA\_V

ClientSampleId :

ESWT0RE

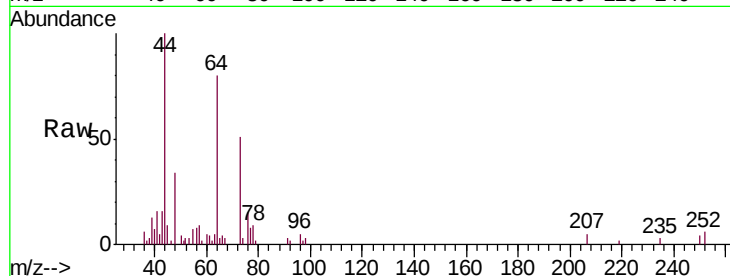
Tgt Ion: 73 Resp: 7523

Ion Ratio Lower Upper

73 100

43 14.8 15.3 22.9#

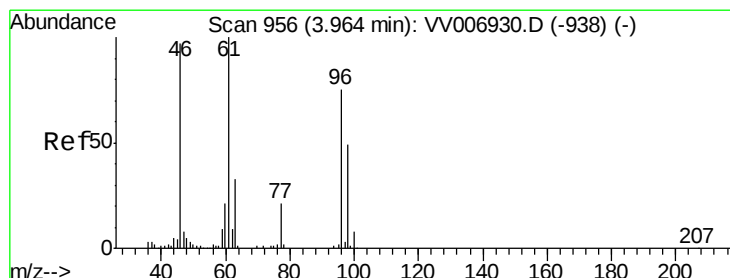
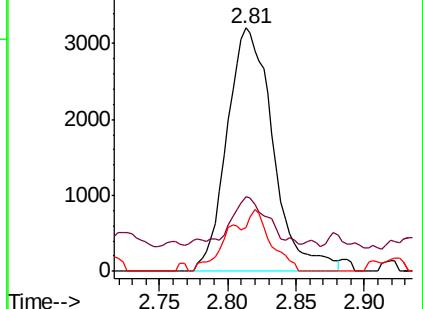
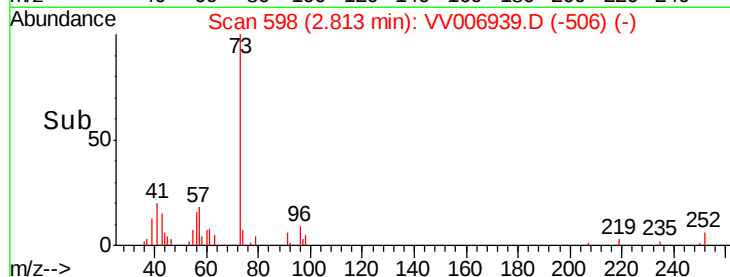
57 13.3 18.8 28.2#



Abundance Ion 73.10 (72.80 to 73.80): VV006939.D (-506) (-)

Ion 43.05 (42.75 to 43.75): VV006939.D (-506) (-)

Ion 57.10 (56.80 to 57.80): VV006939.D (-506) (-)



#22

cis-1,2-Dichloroethene

Concen: 26.068 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006939.D

Acq: 08 Aug 2018 17:38

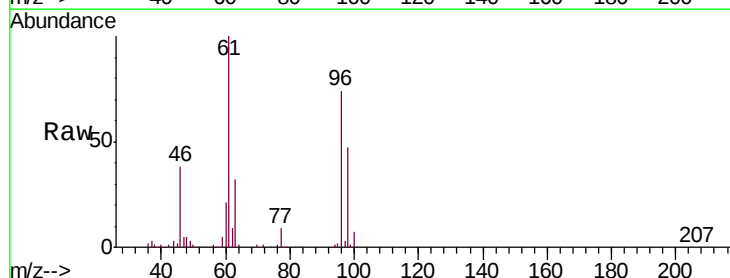
Tgt Ion: 96 Resp: 388497

Ion Ratio Lower Upper

96 100

61 135.6 95.5 177.4

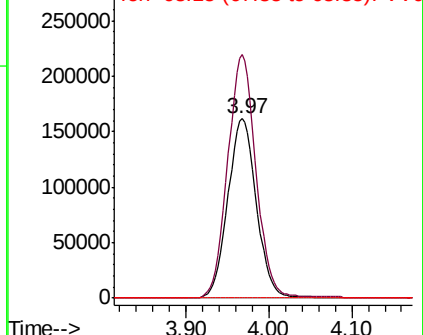
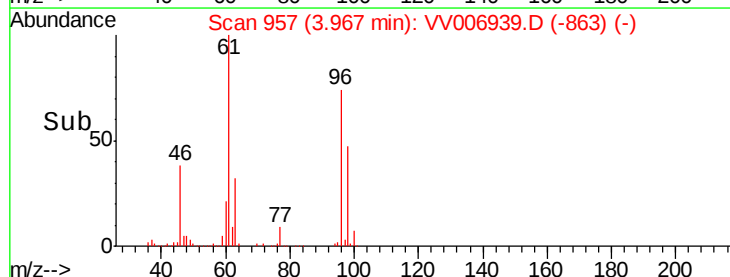
68 0.0 0.0 0.0

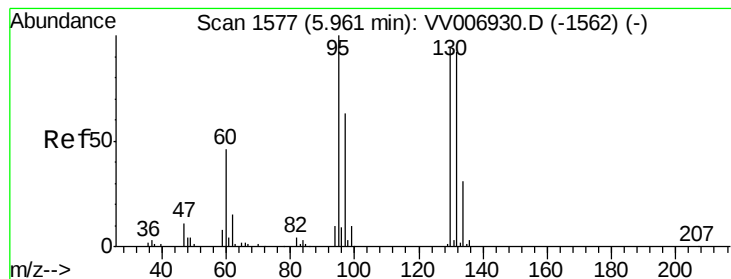


Abundance Ion 96.00 (95.70 to 96.70): VV006939.D (-863) (-)

Ion 61.05 (60.75 to 61.75): VV006939.D (-863) (-)

Ion 68.15 (67.85 to 68.85): VV006939.D (-863) (-)





#34

Trichloroethene

Concen: 0.485 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006939.D

Acq: 08 Aug 2018 17:38

Instrument :

MSVOA\_V

ClientSampleId :

ESWT0RE

Tgt Ion: 95 Resp: 6958

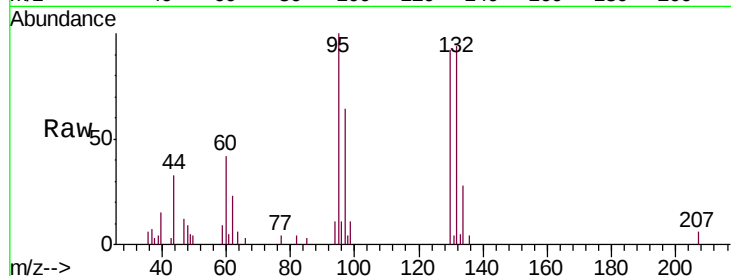
Ion Ratio Lower Upper

95 100

97 63.5 44.4 82.4

132 93.9 65.6 121.8

130 92.1 68.8 127.8

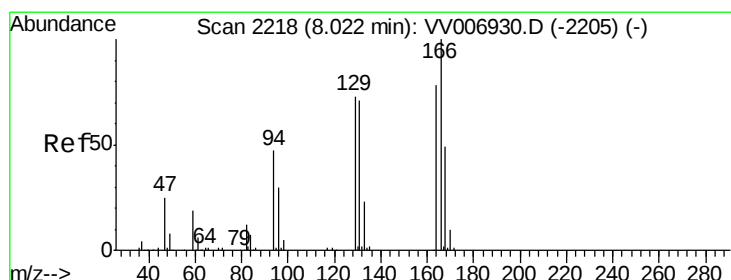
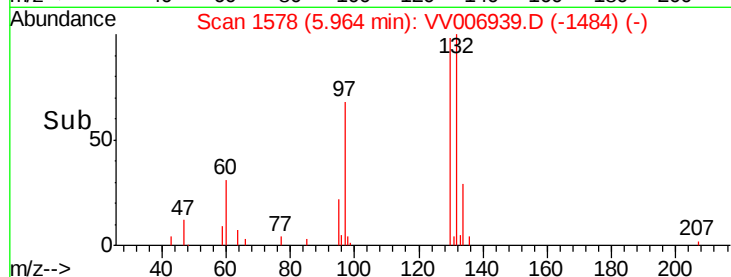
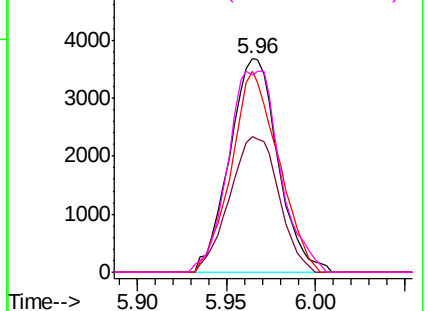


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#47

Tetrachloroethene

Concen: 0.269 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006939.D

Acq: 08 Aug 2018 17:38

Tgt Ion: 164 Resp: 2931

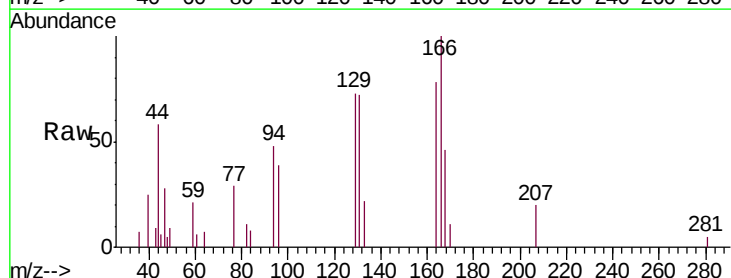
Ion Ratio Lower Upper

164 100

129 94.2 63.1 117.3

131 91.9 62.3 115.7

166 128.3 87.4 162.4



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

