

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051019\  
 Data File : VU031909.D  
 Acq On : 10 May 2019 23:29  
 Operator : JC/SP  
 Sample : K2705-11  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0B49

Quant Time: May 11 04:28:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat May 11 02:45:36 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 1022235  | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 1027136  | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 368966   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 364838   | 42.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 85.28%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 319743   | 48.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.72%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 536715   | 31.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.00%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 666032   | 85.92    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 85.92%  |
| 24) Chloroform-d               | 4.64    | 84    | 695782   | 44.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.82%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 458027   | 44.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.48%  |
| 32) Benzene-d6                 | 5.33    | 84    | 1425180  | 45.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.38%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 489118   | 44.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 88.16%  |
| 41) Toluene-d8                 | 7.56    | 98    | 1195581  | 43.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.04%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 187729   | 39.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 78.82%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 425863   | 88.67    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 88.67%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 686128   | 46.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.14%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 398608   | 51.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.74% |

## Target Compounds

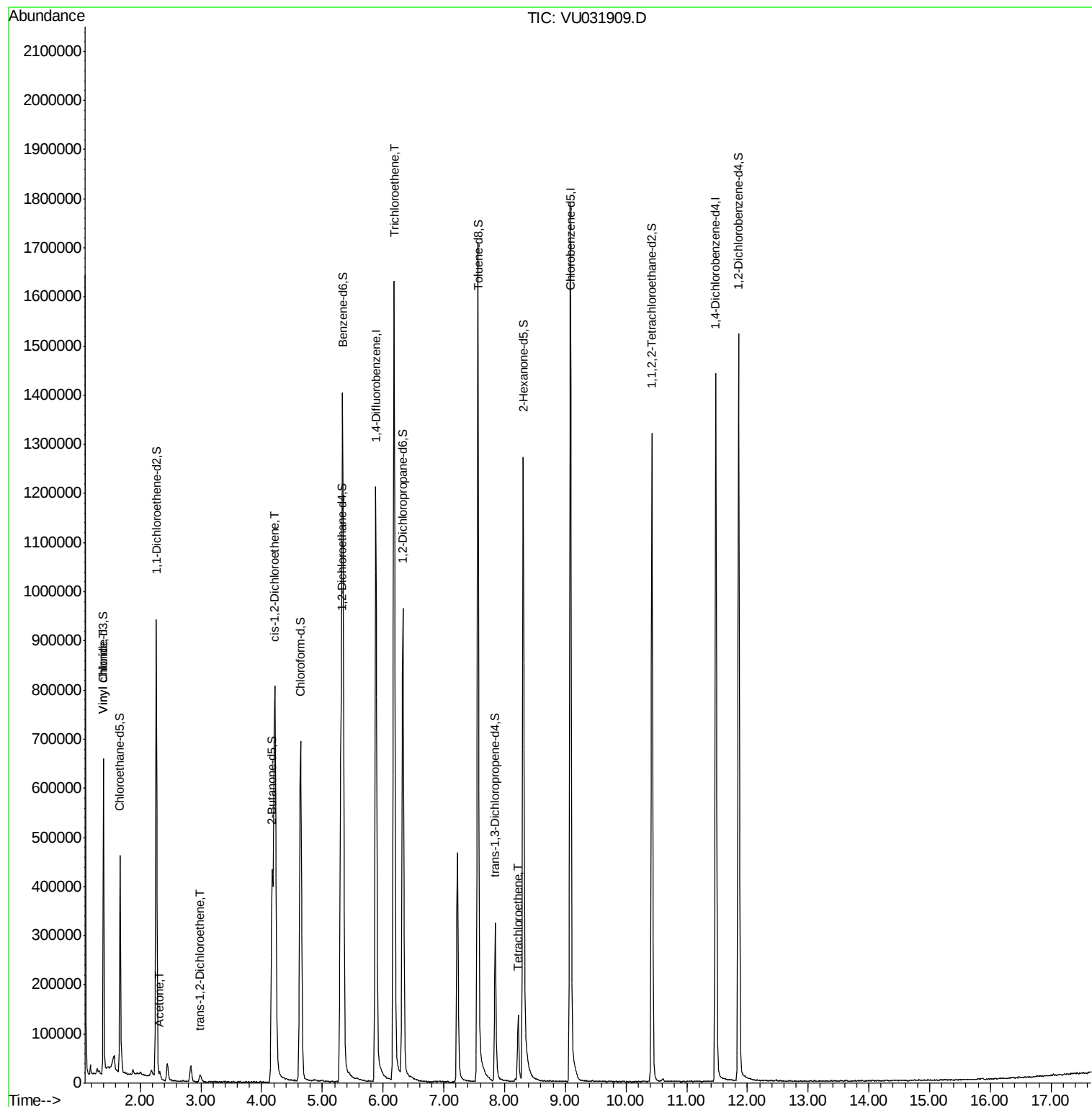
|                              |      |     |        |        | Ovalue  |
|------------------------------|------|-----|--------|--------|---------|
| 5) Vinyl chloride            | 1.40 | 62  | 62404  | 4.908  | ug/L 86 |
| 13) Acetone                  | 2.32 | 43  | 11003  | 1.260  | ug/L 88 |
| 17) trans-1,2-Dichloroethene | 2.98 | 96  | 3178   | 0.382  | ug/L 92 |
| 20) cis-1,2-Dichloroethene   | 4.22 | 96  | 427148 | 47.916 | ug/L 95 |
| 34) Trichloroethene          | 6.18 | 95  | 619502 | 67.675 | ug/L 97 |
| 46) Tetrachloroethene        | 8.22 | 164 | 31386  | 5.029  | ug/L 97 |

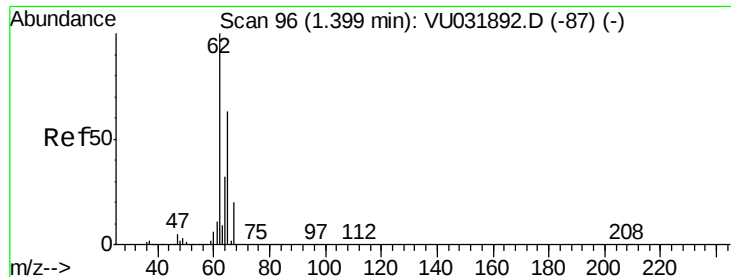
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat May 11 02:45:36 2019  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.908 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031909.D

Acq: 10 May 2019 23:29

Instrument :

MSVOA\_U

ClientSampleId :

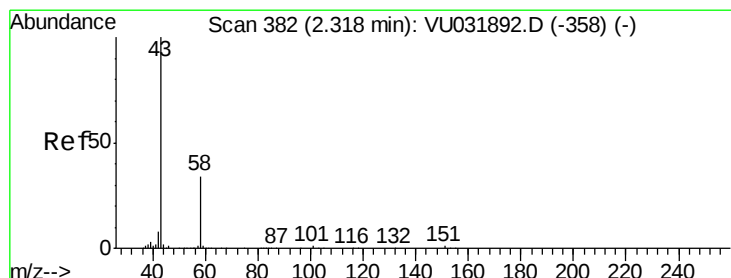
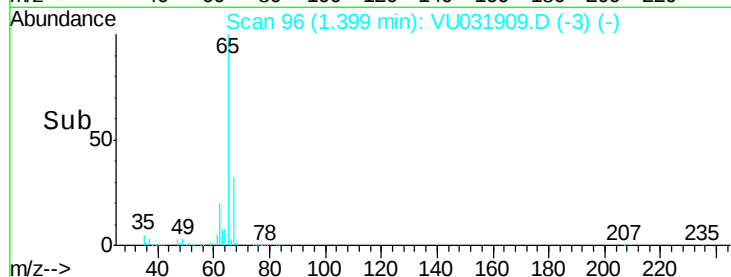
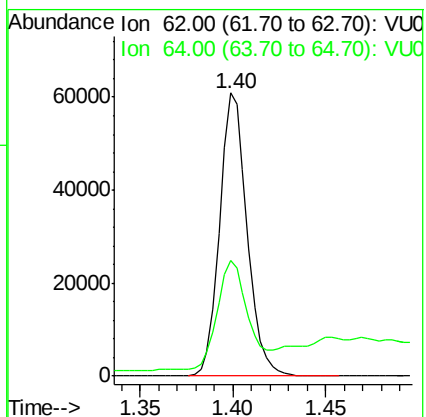
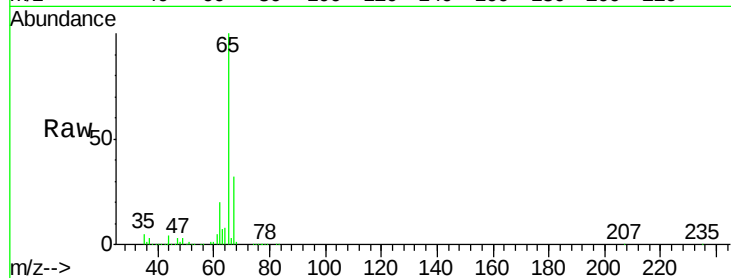
C0B49

Tot Ion: 62 Resp: 62404

Ion Ratio Lower Upper

62 100

64 41.1 23.1 42.9



#13

Acetone

Concen: 1.260 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU031909.D

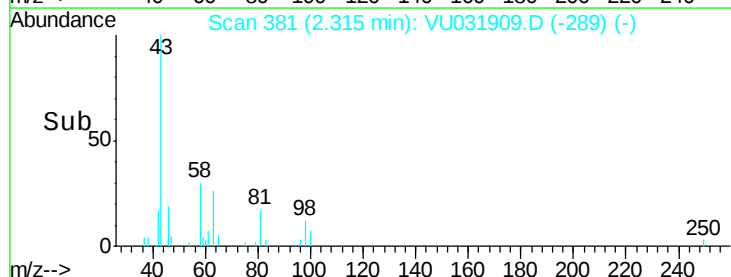
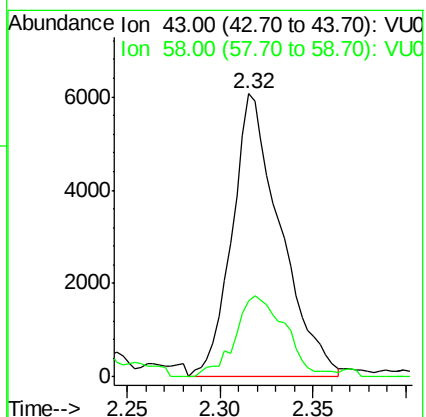
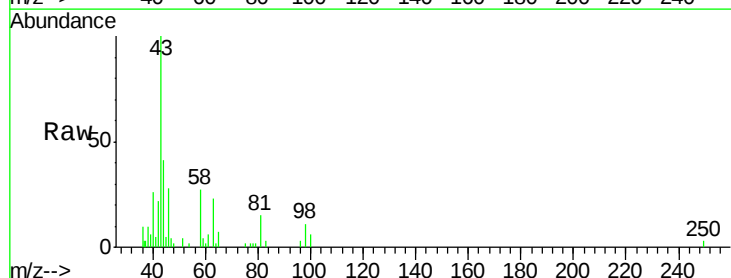
Acq: 10 May 2019 23:29

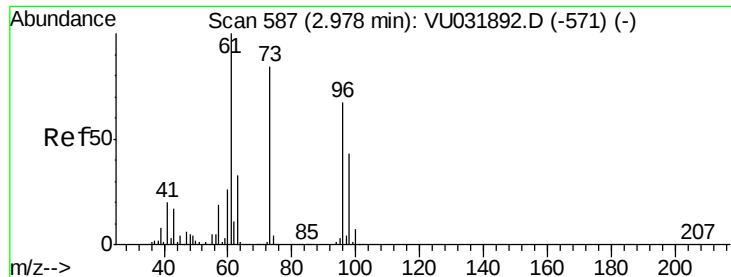
Tgt Ion: 43 Resp: 11003

Ion Ratio Lower Upper

43 100

58 25.4 0.0 64.4





#17

trans-1,2-Dichloroethene

Concen: 0.382 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU031909.D

Acq: 10 May 2019 23:29

Instrument :

MSVOA\_U

ClientSampleId :

C0B49

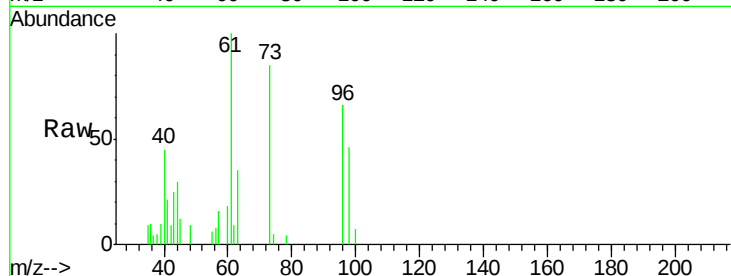
Tot Ion: 96 Resp: 3178

Ion Ratio Lower Upper

96 100

61 151.3 114.5 212.7

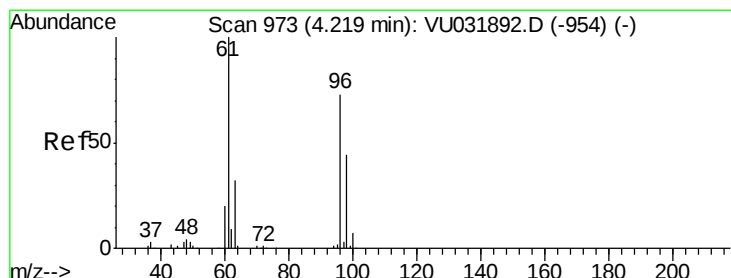
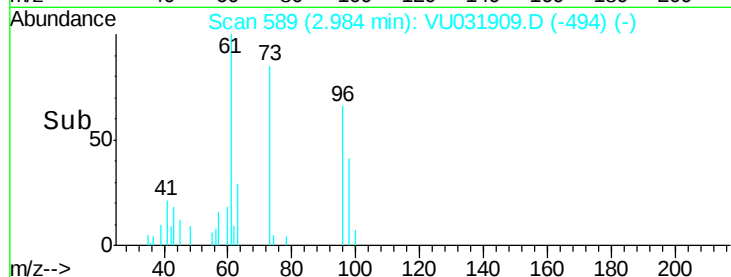
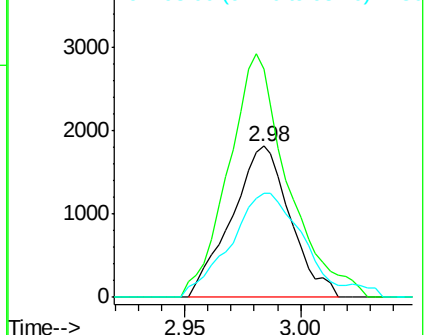
98 69.3 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU031892.D (-571) (-)

Ion 61.00 (60.70 to 61.70): VU031892.D (-571) (-)

Ion 98.00 (97.70 to 98.70): VU031892.D (-571) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.916 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031909.D

Acq: 10 May 2019 23:29

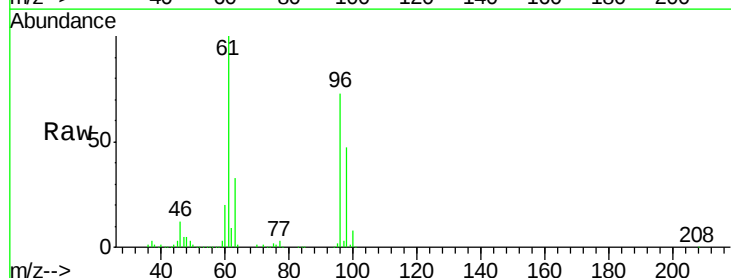
Tgt Ion: 96 Resp: 427148

Ion Ratio Lower Upper

96 100

61 136.6 99.5 184.7

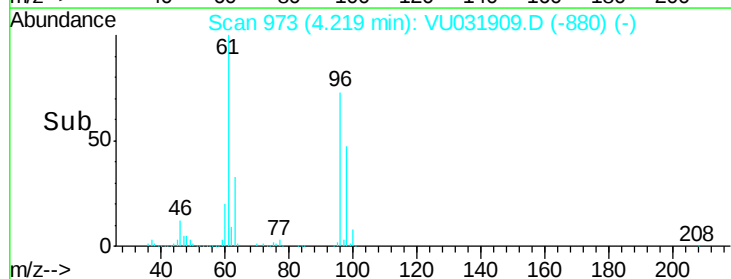
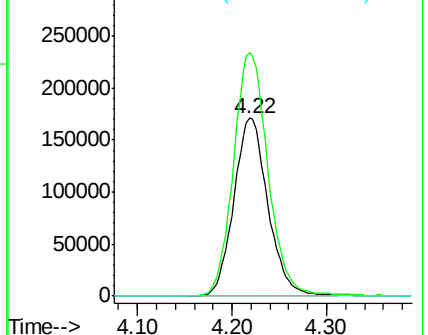
68 0.0 0.0 0.0

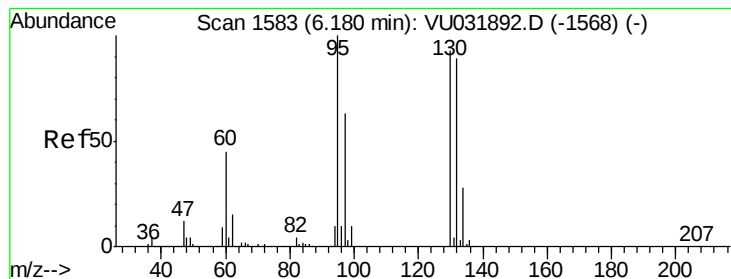


Abundance Ion 96.00 (95.70 to 96.70): VU031892.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU031892.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU031892.D (-954) (-)





#34

Trichloroethene

Concen: 67.675 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031909.D

Acq: 10 May 2019 23:29

Instrument :

MSVOA\_U

ClientSampleId :

C0B49

Tot Ion: 95 Resp: 619502

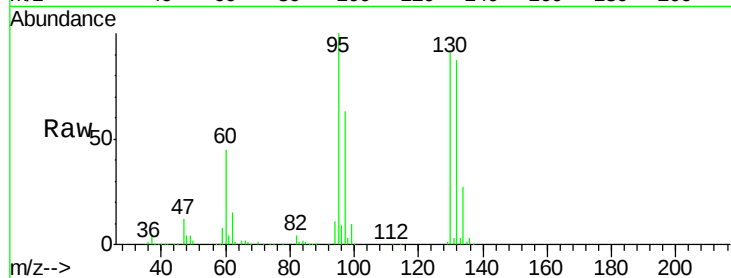
Ion Ratio Lower Upper

95 100

97 62.9 44.8 83.2

132 86.8 63.1 117.1

130 91.2 66.5 123.5

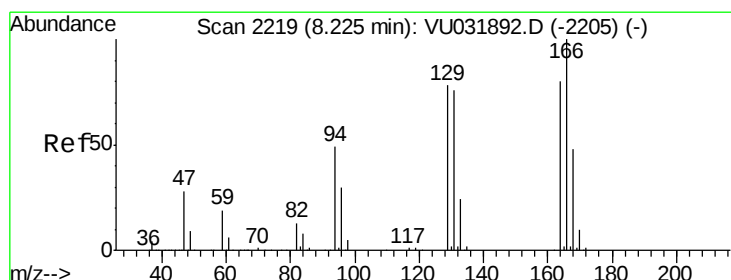
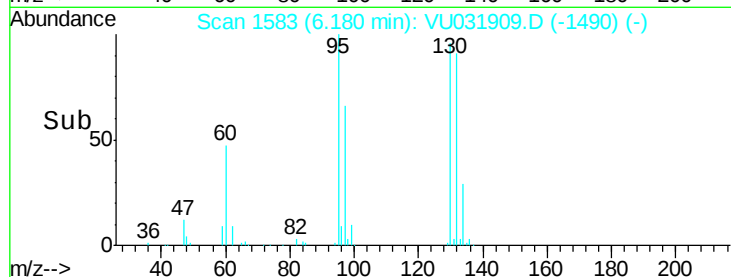
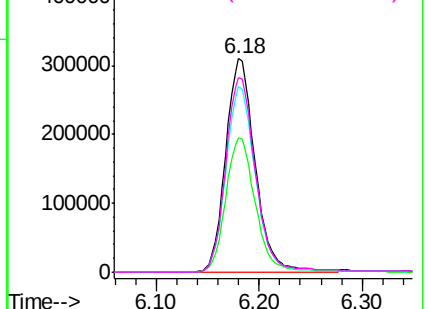


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#46

Tetrachloroethene

Concen: 5.029 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU031909.D

Acq: 10 May 2019 23:29

Tgt Ion:164 Resp: 31386

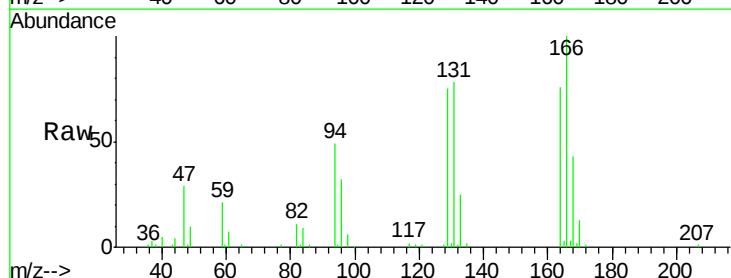
Ion Ratio Lower Upper

164 100

129 97.7 71.5 132.9

131 102.3 69.0 128.2

166 130.8 93.7 173.9



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

