

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042919\  
 Data File : VU031574.D  
 Acq On : 29 Apr 2019 10:30  
 Operator : JC/SP  
 Sample : K2590-05  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0X94

Quant Time: Apr 30 02:10:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 30 01:54:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 718960   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 693403   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 270795   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 319302   | 53.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 106.14% |
| 7) Chloroethane-d5             | 1.68    | 69    | 260613   | 56.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 112.10% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 468230   | 39.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 78.14%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 609356   | 111.77   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 111.77% |
| 24) Chloroform-d               | 4.64    | 84    | 555557   | 50.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.82% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 381660   | 53.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.02% |
| 32) Benzene-d6                 | 5.34    | 84    | 1091998  | 51.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.58% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 396689   | 52.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.90% |
| 41) Toluene-d8                 | 7.56    | 98    | 938821   | 50.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.24% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 162095   | 50.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 100.82% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 361992   | 111.64   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 111.64% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 503000   | 50.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.06% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 310321   | 54.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.98% |

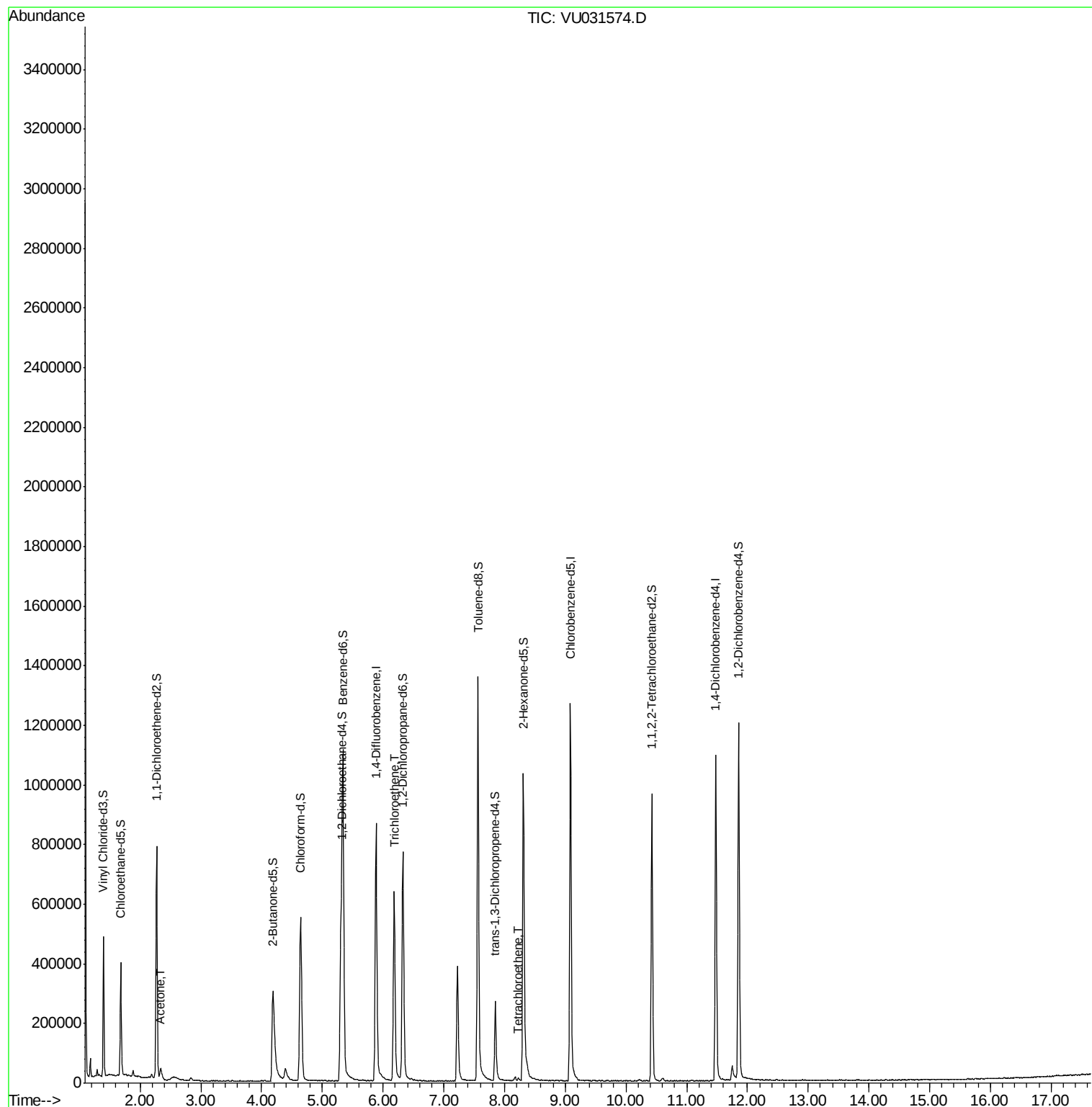
| Target Compounds      |      |     |        |             | Ovalue |
|-----------------------|------|-----|--------|-------------|--------|
| 13) Acetone           | 2.34 | 43  | 48035  | 7.822 ug/L  | 98     |
| 34) Trichloroethene   | 6.18 | 95  | 237109 | 38.369 ug/L | 98     |
| 46) Tetrachloroethene | 8.23 | 164 | 1993   | 0.473 ug/L  | 84     |

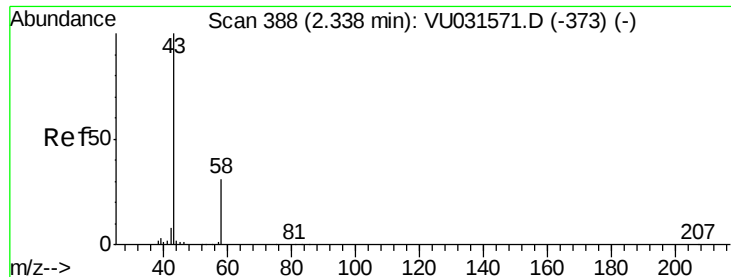
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 7.822 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU031574.D

Acq: 29 Apr 2019 10:30

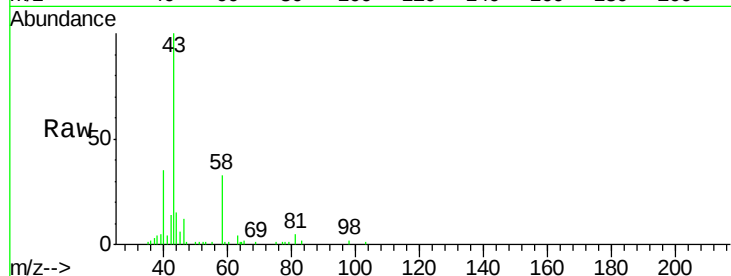
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0X94

Tot Ion: 43 Resp: 48035

Ion Ratio Lower Upper

43 100

58 31.3 0.0 64.4

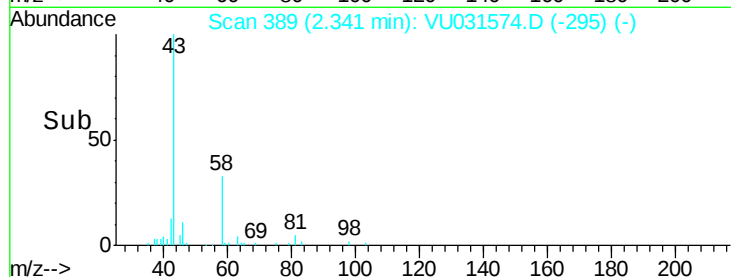


Abundance Ion 43.00 (42.70 to 43.70): VU031571.D (-373) (-)

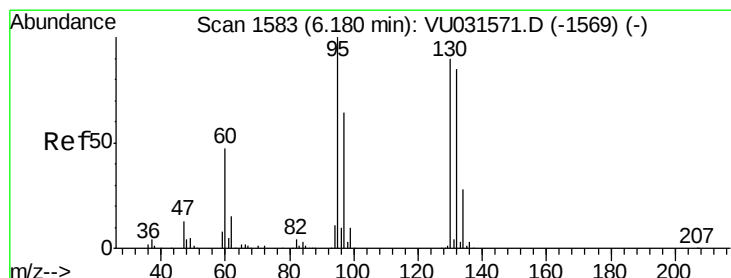
Ion 58.00 (57.70 to 58.70): VU031571.D (-373) (-)

2.34

Time-->



Time-->



#34

Trichloroethene

Concen: 38.369 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031574.D

Acq: 29 Apr 2019 10:30

Tgt Ion: 95 Resp: 237109

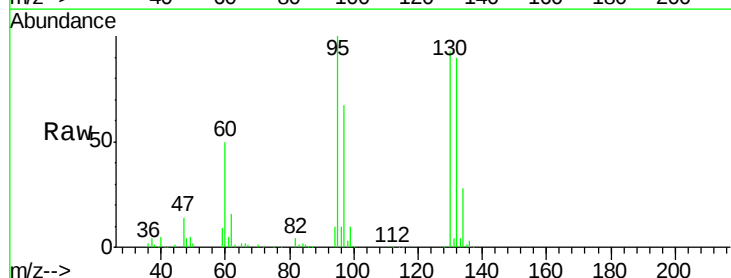
Ion Ratio Lower Upper

95 100

97 67.0 44.8 83.2

132 89.5 63.1 117.1

130 92.7 66.5 123.5



Abundance Ion 95.00 (94.70 to 95.70): VU031571.D (-1569) (-)

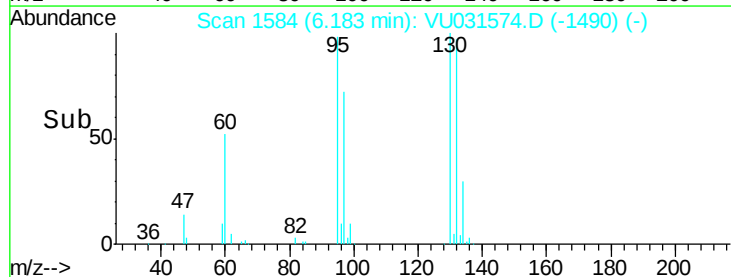
Ion 97.00 (96.70 to 97.70): VU031571.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU031571.D (-1569) (-)

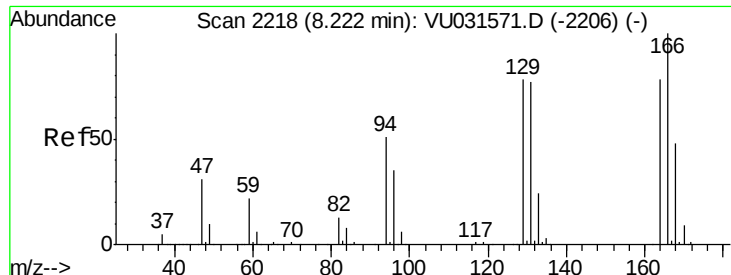
Ion 130.00 (129.70 to 130.70): VU031571.D (-1569) (-)

6.18

Time-->



Time-->



#46

Tetrachloroethene

Concen: 0.473 ug/L

RT: 8.23 min Scan# 2221

Delta R.T. 0.01 min

Lab File: VU031574.D

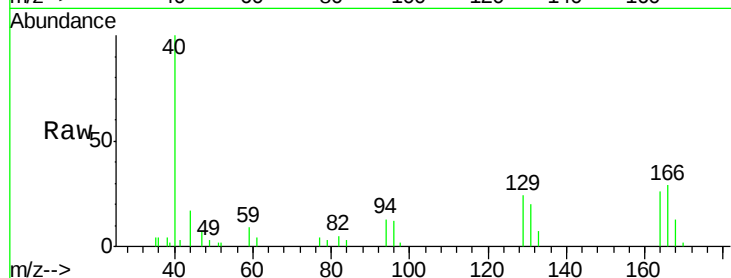
Acq: 29 Apr 2019 10:30

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ClientSampleId :

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Tot Ion:164 Resp: 1993

Ion Ratio Lower Upper

164 100

129 94.2 71.5 132.9

131 78.0 69.0 128.2

166 112.8 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

