

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\  
 Data File : VU031440.D  
 Acq On : 23 Apr 2019 15:59  
 Operator : JC/SP  
 Sample : K2536-02 50X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0X22

Quant Time: Apr 24 08:03:52 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 24 06:00:22 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 738312   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 680537   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 325975   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 218424   | 36.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 73.02%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 187147   | 41.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 82.16%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 328479   | 31.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.12%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 434792   | 97.21    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.21%  |
| 24) Chloroform-d               | 4.64    | 84    | 402061   | 42.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.34%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 253369   | 44.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.74%  |
| 32) Benzene-d6                 | 5.33    | 84    | 869757   | 44.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.48%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 286462   | 45.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.56%  |
| 41) Toluene-d8                 | 7.56    | 98    | 777476   | 44.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.56%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 123342   | 42.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.58%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 319630   | 100.84   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 100.84% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 404151   | 47.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.18%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 293127   | 43.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.98%  |

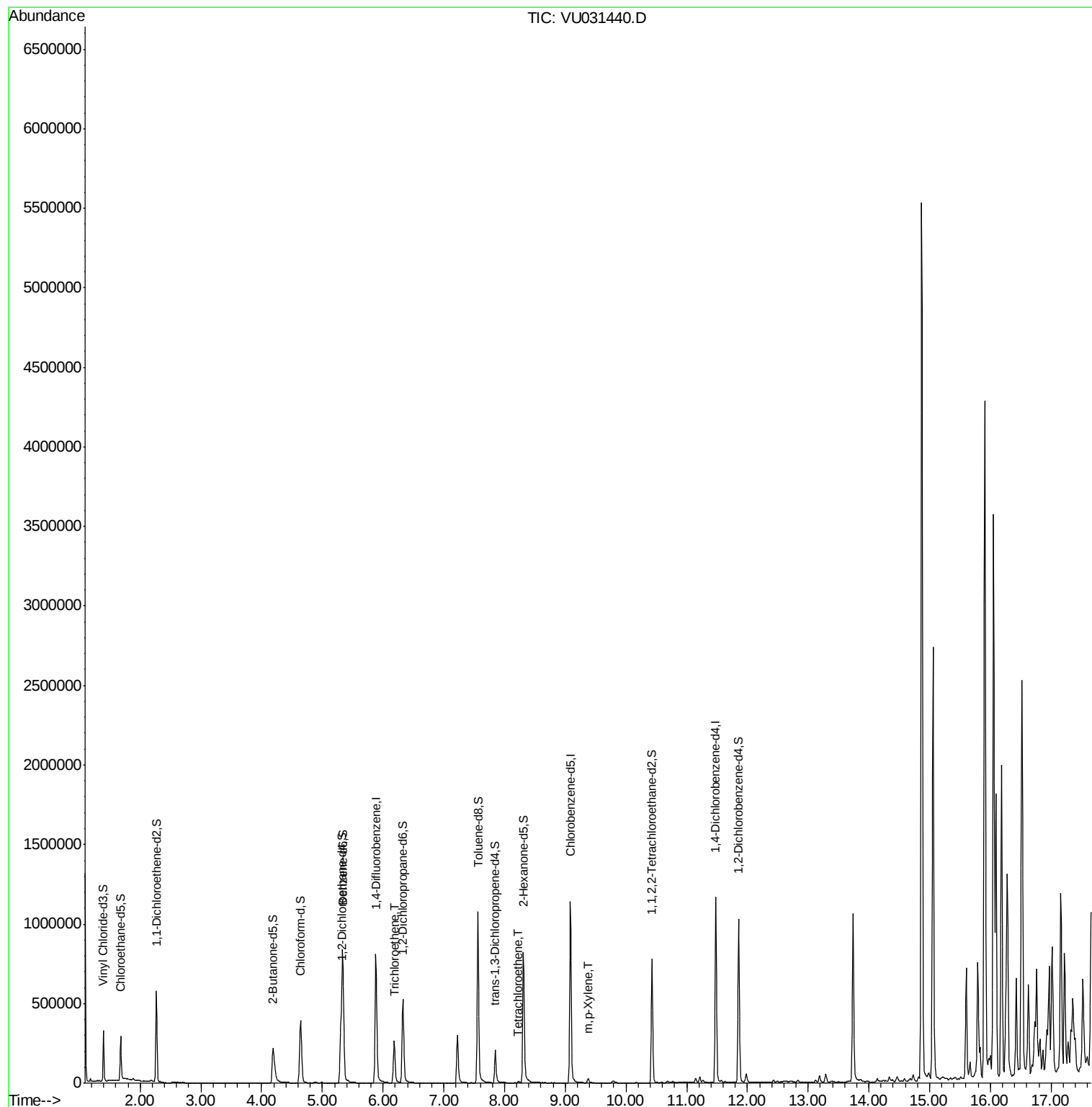
| Target Compounds      |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 34) Trichloroethene   | 6.18 | 95  | 97689 | 18.729 ug/L | 97     |
| 46) Tetrachloroethene | 8.22 | 164 | 2343  | 0.633 ug/L  | 96     |
| 53) m,p-Xylene        | 9.37 | 106 | 8680  | 1.086 ug/L  | 95     |

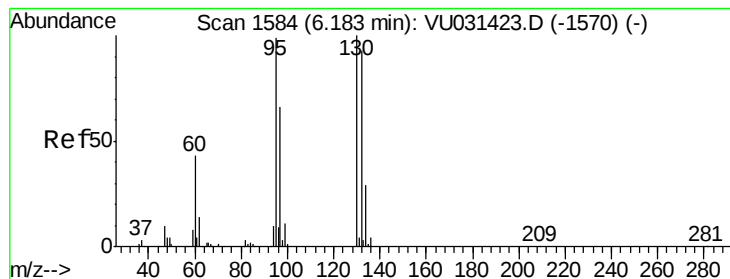
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 24 06:00:22 2019  
Response via : Initial Calibration





#34

Trichloroethene

Concen: 18.729 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU031440.D

Acq: 23 Apr 2019 15:59

Instrument :

MSVOA\_U

ClientSampleId :

C0X22

Tot Ion: 95 Resp: 97689

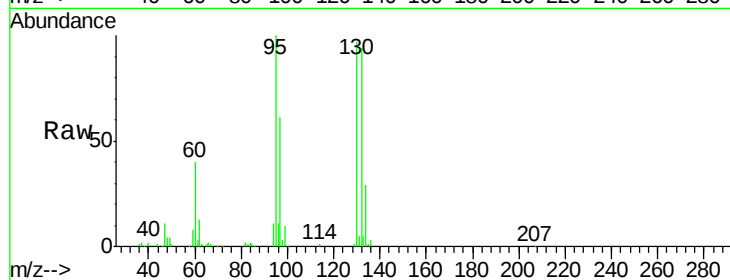
Ion Ratio Lower Upper

95 100

97 61.1 44.9 83.5

132 94.0 68.0 126.2

130 97.4 70.1 130.1

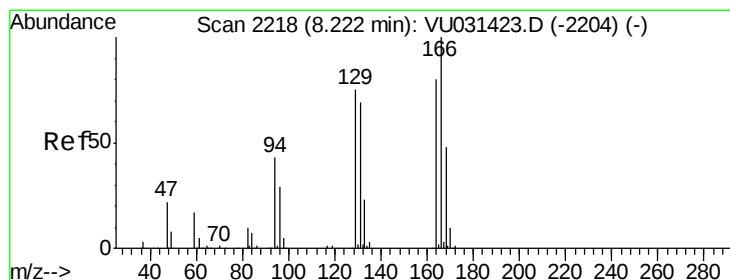
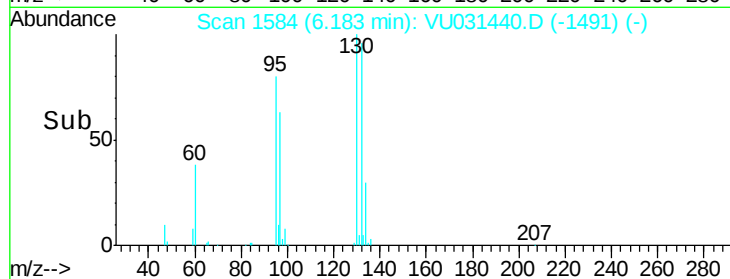
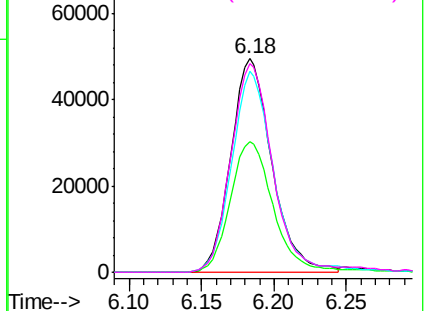


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.633 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031440.D

Acq: 23 Apr 2019 15:59

Tgt Ion:164 Resp: 2343

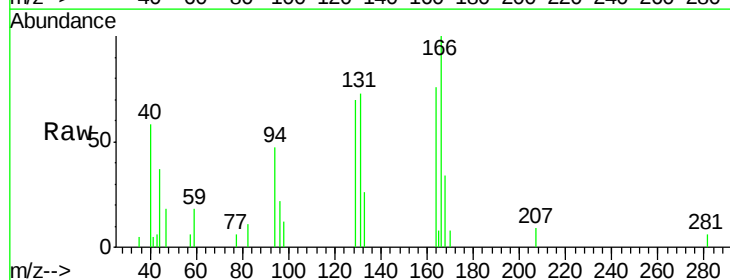
Ion Ratio Lower Upper

164 100

129 92.1 65.2 121.0

131 95.3 61.4 114.0

166 131.1 89.2 165.6

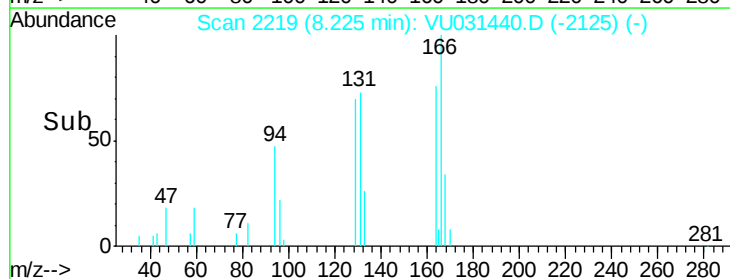
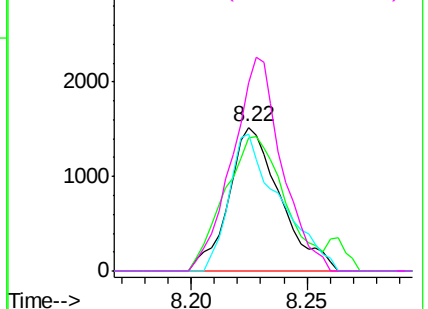


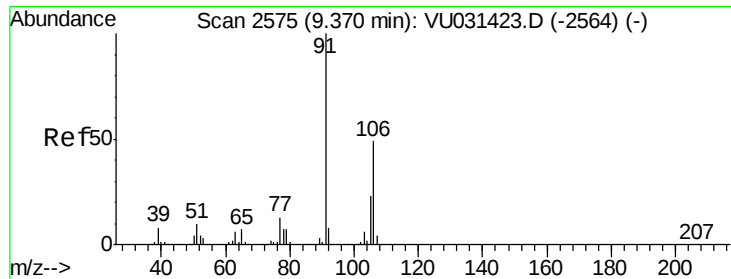
Abundance Ion 164.00 (163.70 to 164.70): V

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





#53

m,p-Xylene

Concen: 1.086 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031440.D

Acq: 23 Apr 2019 15:59

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MSVOA\_U

ClientSampleId :

C0X22

Tot Ion:106 Resp: 8680

Ion Ratio Lower Upper

106 100

91 194.6 141.5 262.7

