

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\  
 Data File : VU031163.D  
 Acq On : 13 Apr 2019 17:50  
 Operator : JC/SP  
 Sample : K2341-16  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB738

Quant Time: Apr 13 23:13:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 13 22:25:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 418711   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 414468   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 160417   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 182536   | 48.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 97.68%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 145563   | 51.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 102.62% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 252367   | 37.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.66%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 287588   | 97.08    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.08%  |
| 24) Chloroform-d               | 4.64    | 84    | 298291   | 52.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.48% |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 203836   | 52.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.64% |
| 32) Benzene-d6                 | 5.33    | 84    | 576944   | 47.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.36%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 197344   | 47.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.18%  |
| 41) Toluene-d8                 | 7.56    | 98    | 496293   | 46.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.56%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 84224    | 44.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.08%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 162461   | 85.72    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 85.72%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 275713   | 49.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.58%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 175085   | 55.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 111.00% |

## Target Compounds

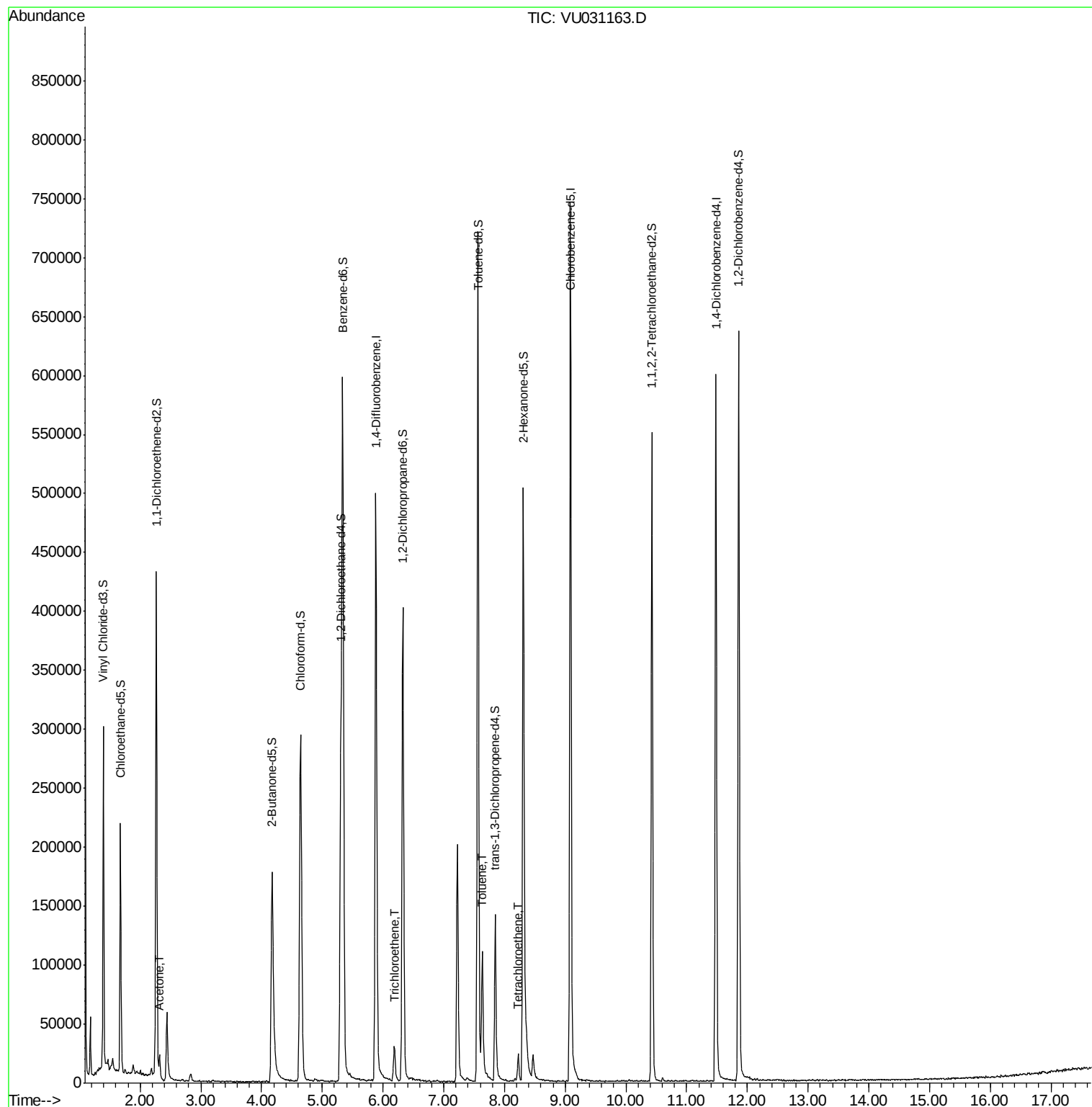
|                       |      |     |       |            | Ovalue |
|-----------------------|------|-----|-------|------------|--------|
| 13) Acetone           | 2.32 | 43  | 18578 | 6.129 ug/L | 95     |
| 34) Trichloroethene   | 6.19 | 95  | 9149  | 2.750 ug/L | 88     |
| 42) Toluene           | 7.64 | 91  | 85585 | 6.182 ug/L | 99     |
| 46) Tetrachloroethene | 8.23 | 164 | 5722  | 2.366 ug/L | 82     |

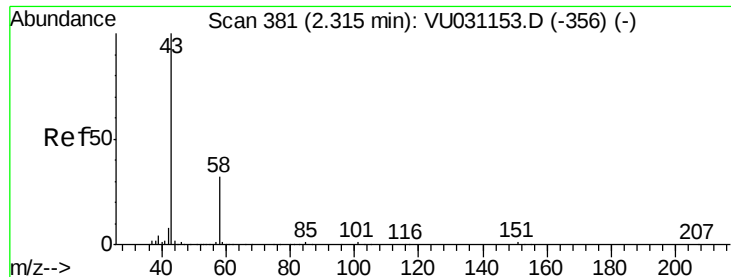
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 6.129 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031163.D

Acq: 13 Apr 2019 17:50

Instrument :

MSVOA\_U

ClientSampleId :

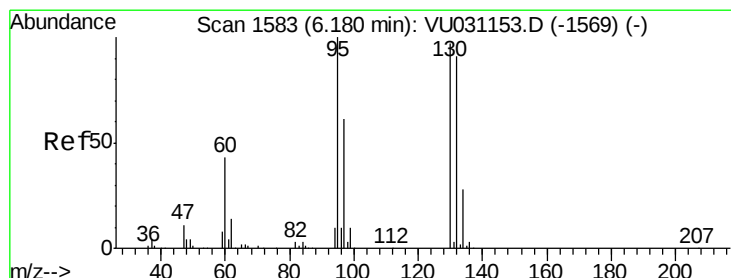
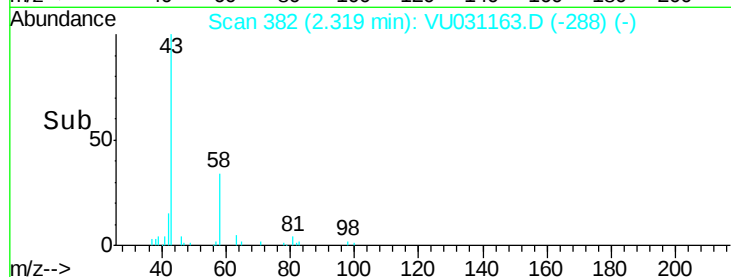
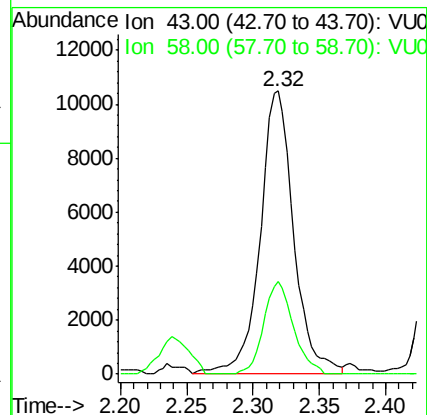
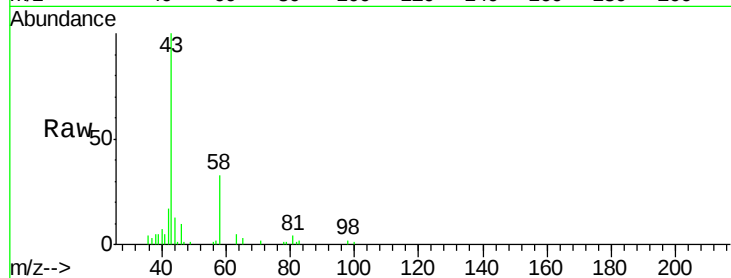
DB738

Tot Ion: 43 Resp: 18578

Ion Ratio Lower Upper

43 100

58 28.9 0.0 64.0



#34

Trichloroethene

Concen: 2.750 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU031163.D

Acq: 13 Apr 2019 17:50

Tgt Ion: 95 Resp: 9149

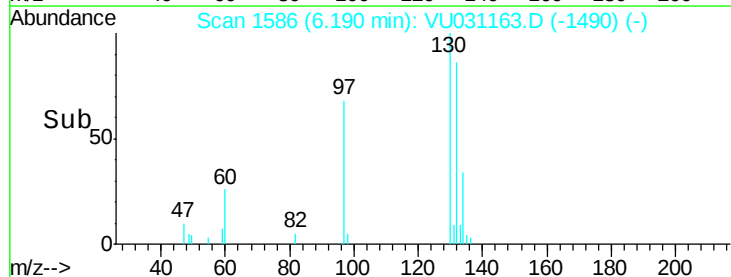
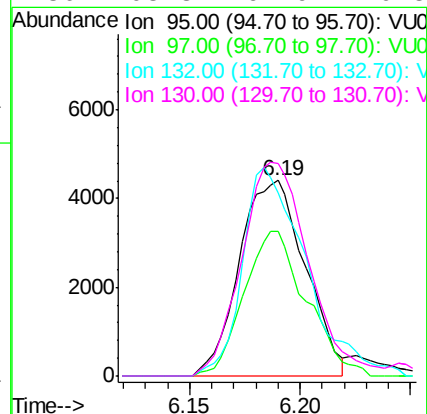
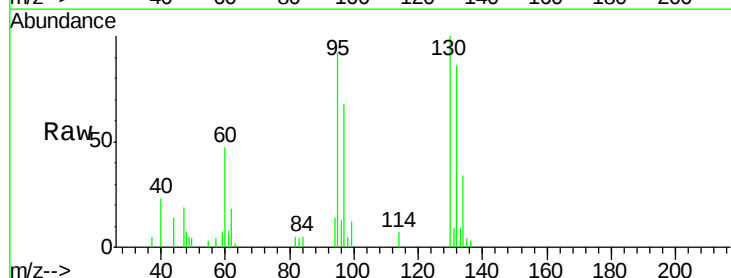
Ion Ratio Lower Upper

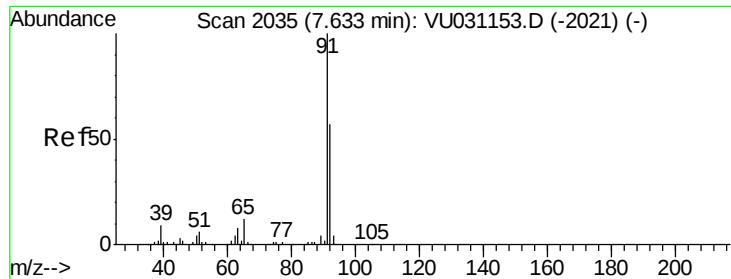
95 100

97 73.7 44.5 82.7

132 93.7 61.5 114.1

130 108.3 64.9 120.5





#42

Toluene

Concen: 6.182 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031163.D

Acq: 13 Apr 2019 17:50

Instrument :

MSVOA\_U

ClientSampleId :

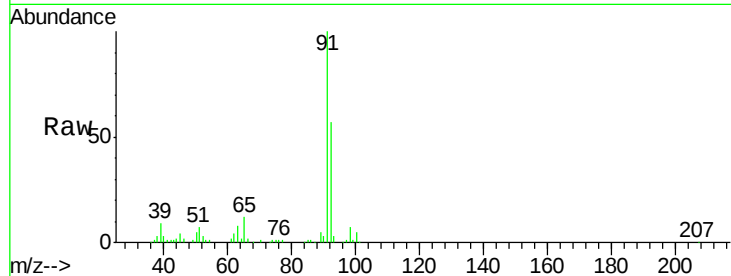
DB738

Tot Ion: 91 Resp: 85585

Ion Ratio Lower Upper

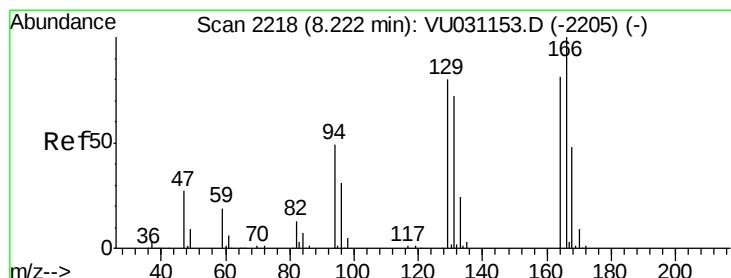
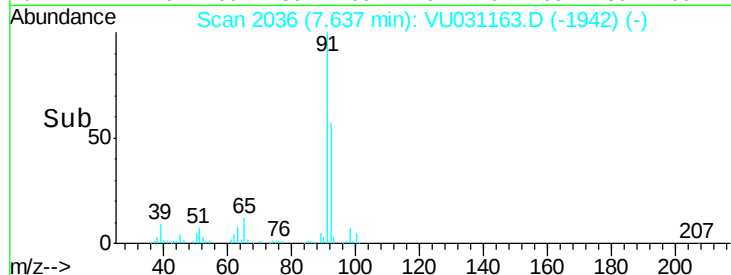
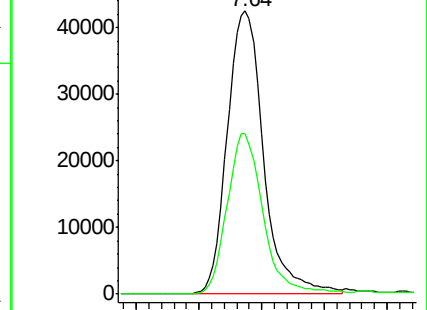
91 100

92 56.5 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031163.D (-1942) (-)

Ion 92.00 (91.70 to 92.70): VU031163.D (-1942) (-)



#46

Tetrachloroethene

Concen: 2.366 ug/L

RT: 8.23 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031163.D

Acq: 13 Apr 2019 17:50

Tgt Ion: 164 Resp: 5722

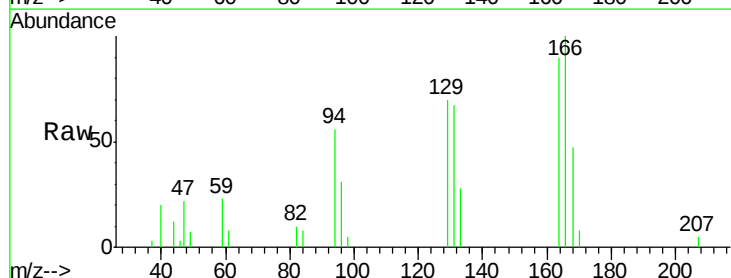
Ion Ratio Lower Upper

164 100

129 77.4 67.4 125.2

131 74.1 65.9 122.5

166 110.9 88.6 164.6



Abundance Ion 164.00 (163.70 to 164.70): VU031163.D (-2125) (-)

Ion 129.00 (128.70 to 129.70): VU031163.D (-2125) (-)

Ion 131.00 (130.70 to 131.70): VU031163.D (-2125) (-)

Ion 166.00 (165.70 to 166.70): VU031163.D (-2125) (-)

