

Data File : VU030509.D  
Acq On : 28 Mar 2019 01:24  
Operator : JC/SP  
Sample : K2128-14 50X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF1H2

Quant Time: Mar 28 02:52:11 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Mar 28 02:45:06 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 397048   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 367899   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 144602   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 144374   | 45.18    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.36% |
| 7) Chloroethane-d5             | 1.67    | 69    | 116856   | 46.14    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.28% |
| 11) 1,1-Dichloroethene-d2      | 2.37    | 63    | 375      | 0.06     | ug/L | 0.10   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 0.12%# |
| 21) 2-Butanone-d5              | 4.17    | 46    | 273640   | 91.10    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 91.10% |
| 24) Chloroform-d               | 4.64    | 84    | 245673   | 44.62    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.24% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 167262   | 46.43    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.86% |
| 32) Benzene-d6                 | 5.34    | 84    | 496194   | 47.03    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.06% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 174840   | 48.44    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.88% |
| 41) Toluene-d8                 | 7.56    | 98    | 420213   | 44.35    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.70% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 75841    | 44.68    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.36% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 177242   | 90.61    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 90.61% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 238050   | 46.09    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.18% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 137391   | 47.42    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.84% |

#### Target Compounds

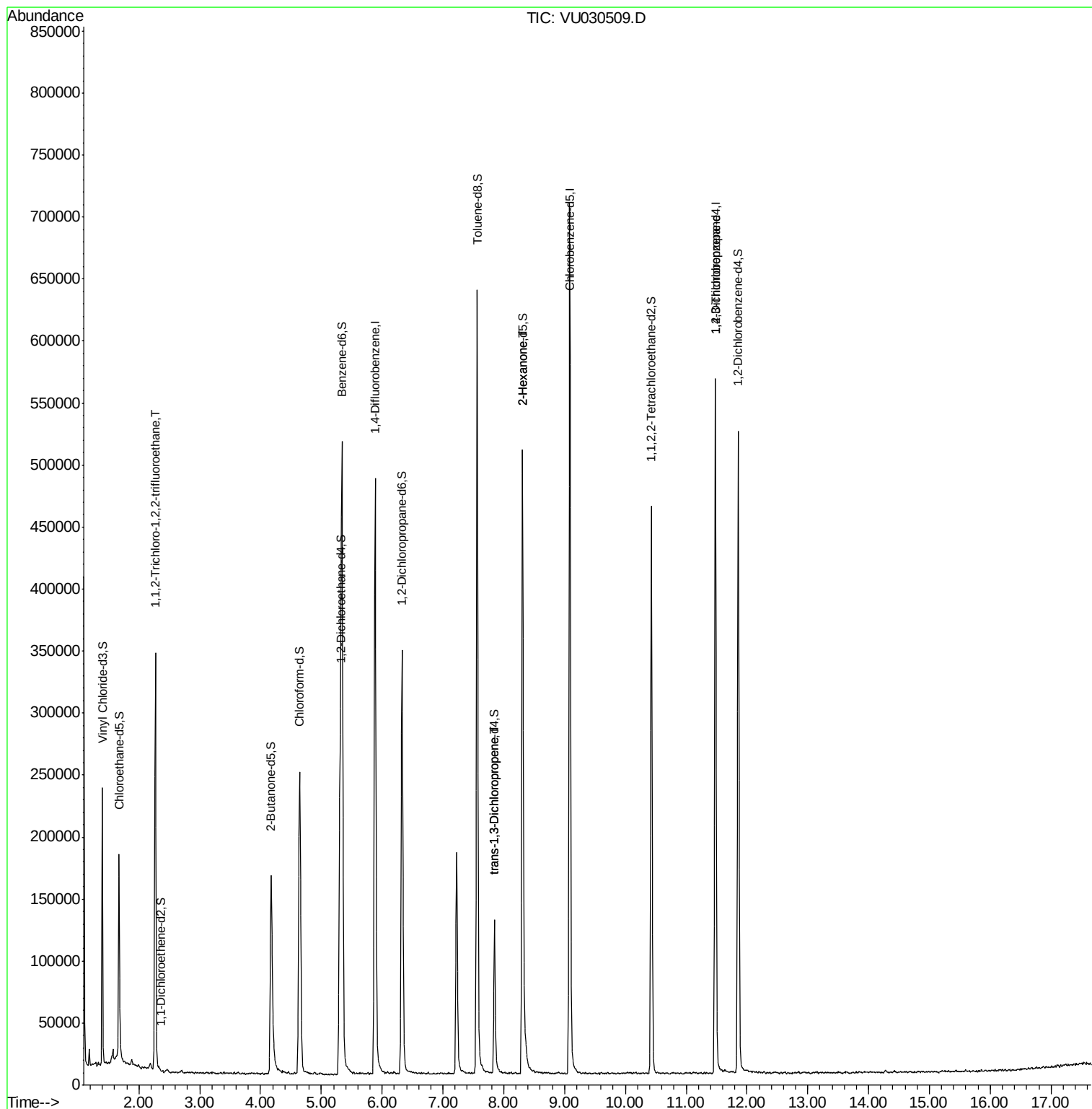
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 1822  | 0.629 ug/L # | 28     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 3004  | 0.668 ug/L   | 89     |
| 48) 2-Hexanone                 | 8.31  | 43  | 20924 | 4.277 ug/L # | 72     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 19556 | 4.521 ug/L   | 91     |

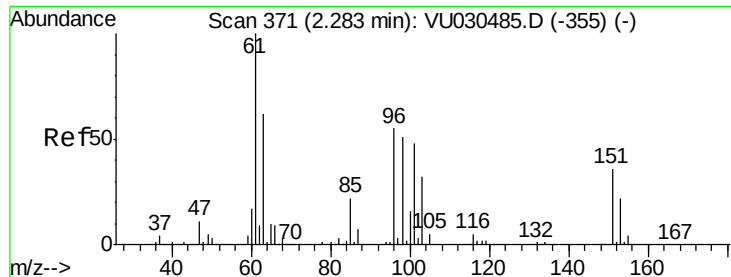
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.629 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

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MSVOA\_U

ClientSampleId :

BF1H2

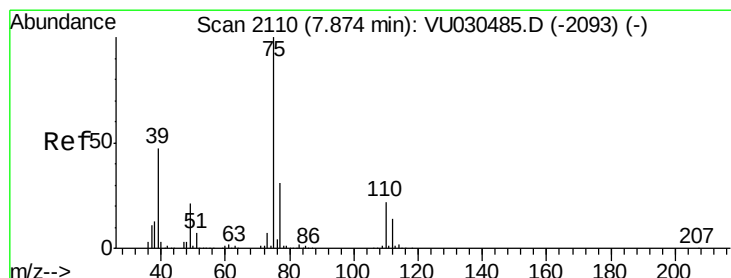
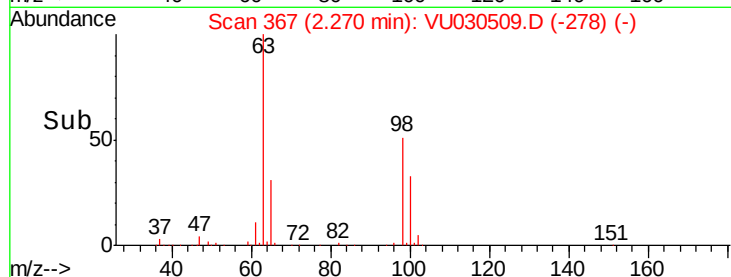
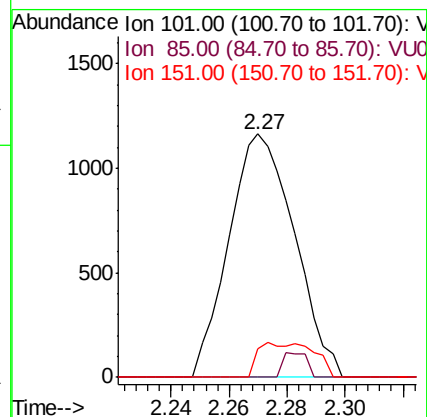
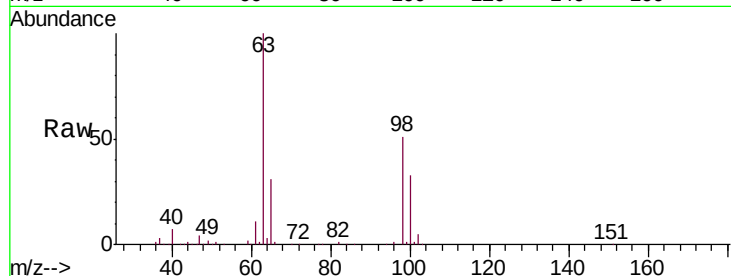
Tgt Ion: 101 Resp: 1822

Ion Ratio Lower Upper

101 100

85 3.6 34.8 52.2#

151 6.4 56.6 85.0#



#44

trans-1,3-Dichloropropene

Concen: 0.668 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030509.D

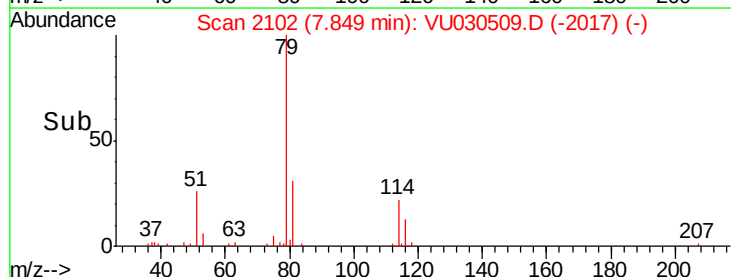
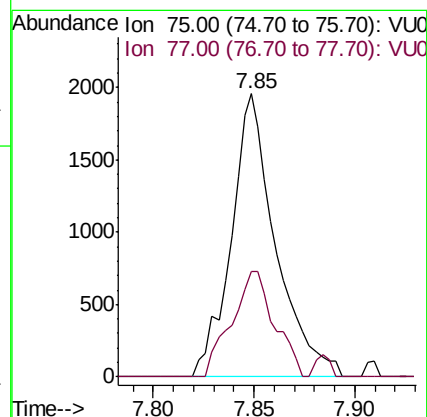
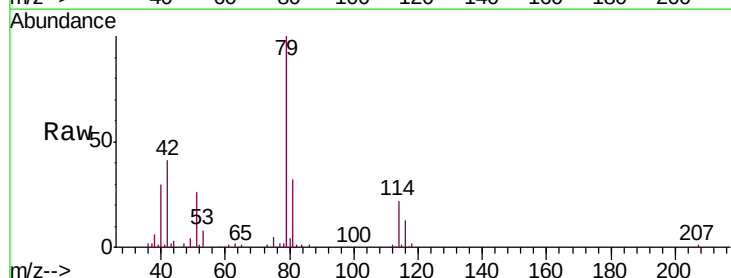
Acq: 28 Mar 2019 01:24

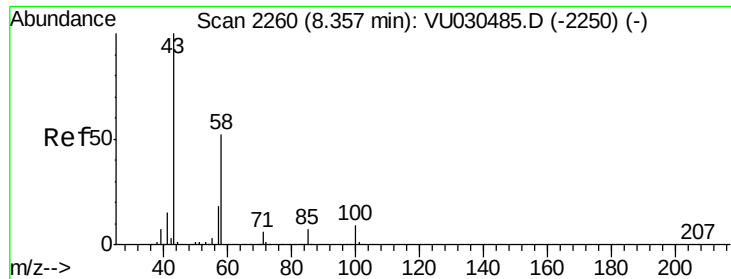
Tgt Ion: 75 Resp: 3004

Ion Ratio Lower Upper

75 100

77 37.3 22.0 40.8

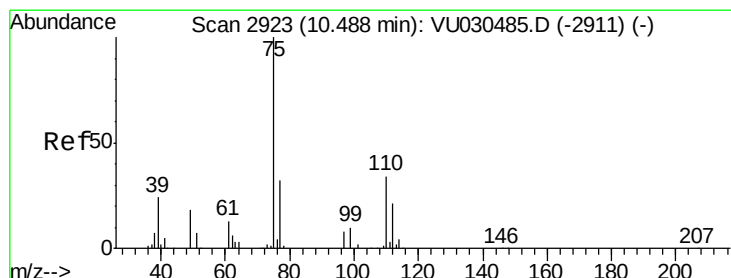
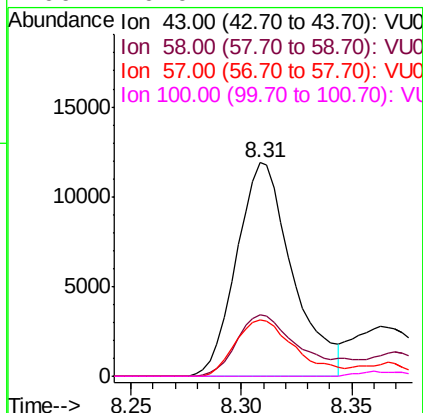
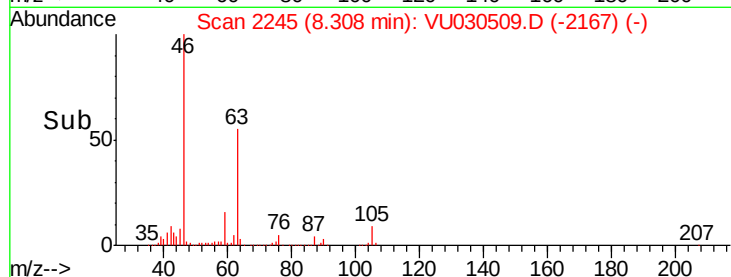
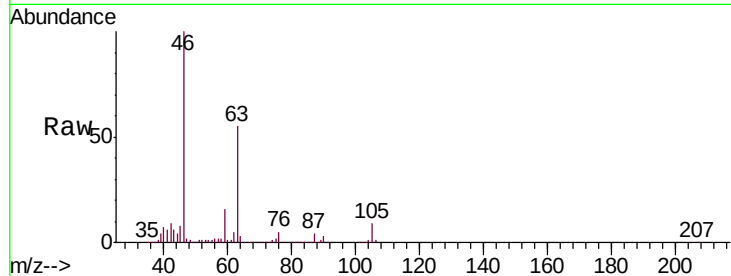




#48  
 2-Hexanone  
 Concen: 4.277 ug/L  
 RT: 8.31 min Scan# 2245  
 Delta R.T. -0.05 min  
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 MSVOA\_U  
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 BF1H2

Tgt Ion: 43 Resp: 20924  
 Ion Ratio Lower Upper  
 43 100  
 58 30.7 42.5 63.7#  
 57 28.5 15.0 22.6#  
 100 0.0 7.4 11.2#



#59  
 1,2,3-Trichloropropane  
 Concen: 4.521 ug/L  
 RT: 11.48 min Scan# 3232  
 Delta R.T. 0.99 min  
 Lab File: VU030509.D  
 Acq: 28 Mar 2019 01:24

Tgt Ion: 75 Resp: 19556  
 Ion Ratio Lower Upper  
 75 100  
 77 36.6 25.4 38.2

