

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042919\  
Quantitation Report (QT Reviewed)

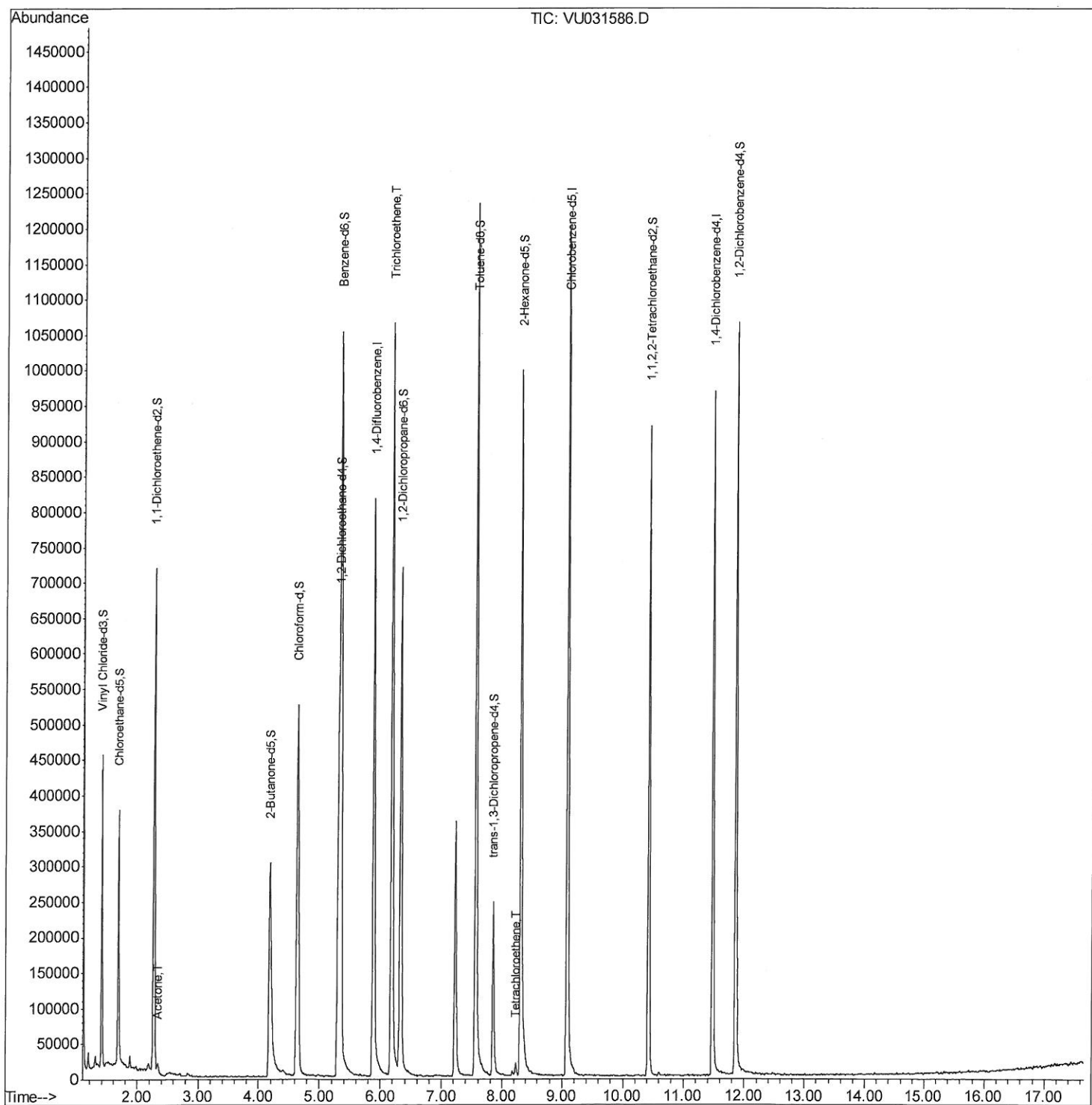
Data File : VU031586.D  
Acq On : 29 Apr 2019 15:09  
Operator : JC/SP  
Sample : K2586-19DL 5X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0X65DL

Manual Integrations  
APPROVED

MMDadoda  
4/30/2019 12:07:21 PM

Quant Time: Apr 30 03:55:27 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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042919\  
Quantitation Report (Qedit)

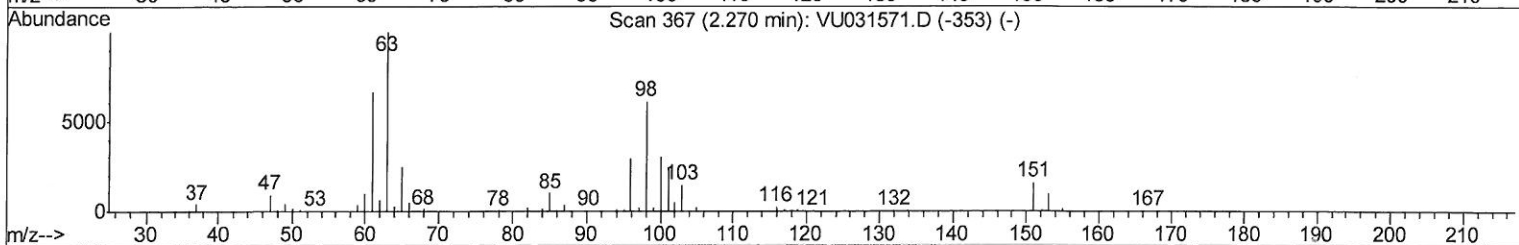
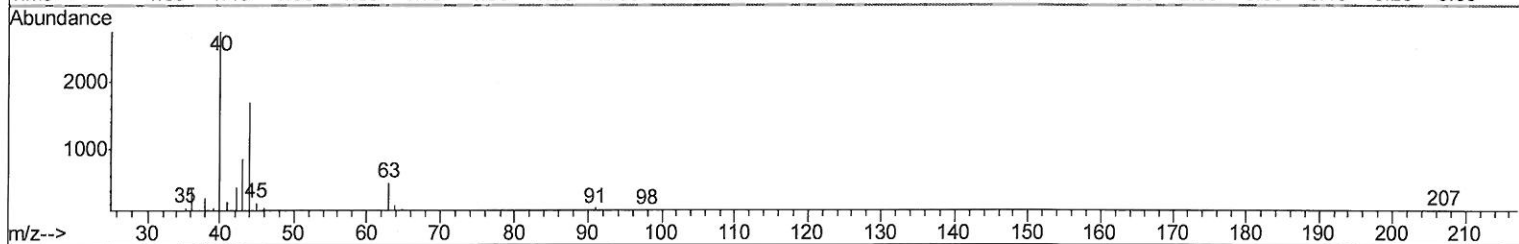
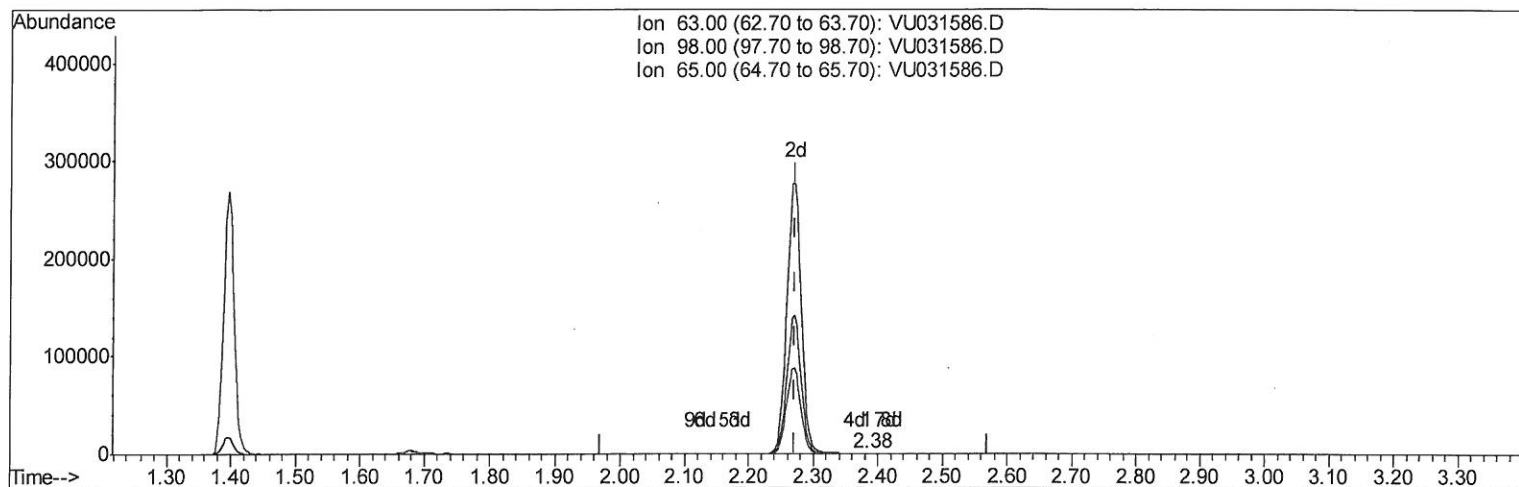
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Quant Time: Apr 30 01:58:50 2019  
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TIC: VU031586.D

(11) 1,1-Dichloroethene-d2 (S)

2.383min (+0.112) 0.03ug/L

response 351

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 63.00 | 100   | 100   |
| 98.00 | 66.60 | 50.14 |
| 65.00 | 23.40 | 22.79 |
| 0.00  | 0.00  | 0.00  |

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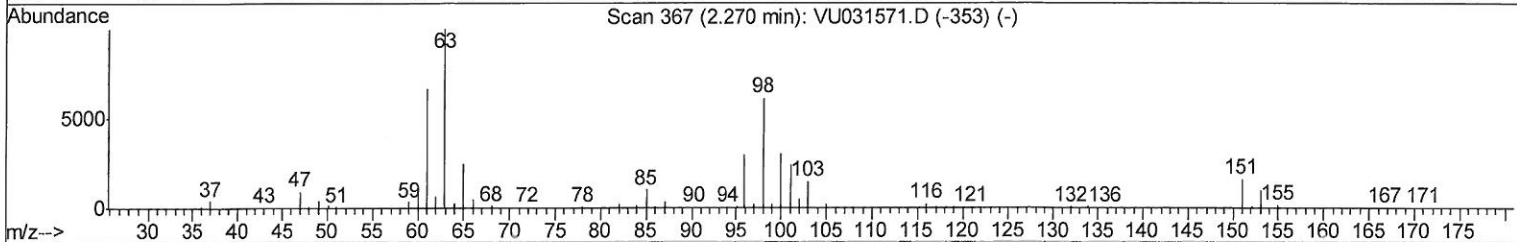
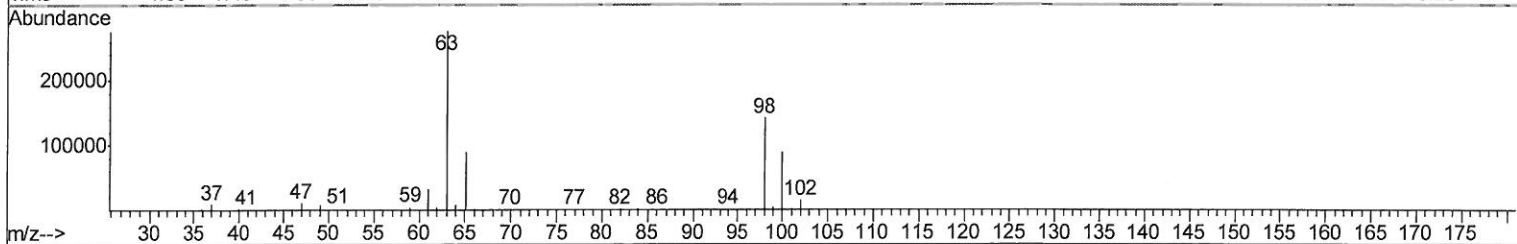
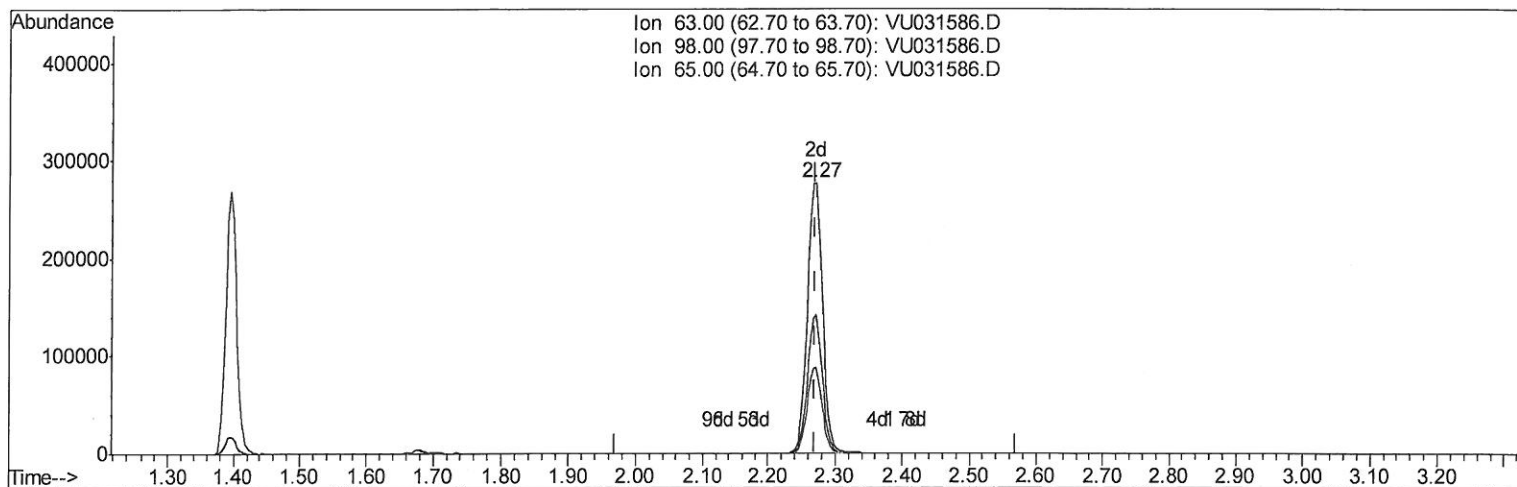
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Manual Integrations  
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TIC: VU031586.D

(11) 1,1-Dichloroethene-d2 (S)

2.270min (-0.000) 39.09ug/L m

response 431367

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 63.00 | 100   | 100   |
| 98.00 | 66.60 | 0.04# |
| 65.00 | 23.40 | 0.02# |
| 0.00  | 0.00  | 0.00  |

7 M.D.  
5/2/19

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Manual Integrations  
APPROVED

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| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 662052   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 639936   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 243920   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |                |     |            |         |      |      |
|--------------------------------|----------------|-----|------------|---------|------|------|
| 4) Vinyl Chloride-d3           | 1.40           | 65  | 288307     | 52.03   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 135 |     | Recovery = | 104.06% |      |      |
| 7) Chloroethane-d5             | 1.68           | 69  | 232596     | 54.32   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 130 |     | Recovery = | 108.64% |      |      |
| 11) 1,1-Dichloroethene-d2      | 2.27           | 63  | 431367m    | 39.09   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 78.18%  |      |      |
| 21) 2-Butanone-d5              | 4.18           | 46  | 576702     | 114.87  | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 40 - 130 |     | Recovery = | 114.87% |      |      |
| 24) Chloroform-d               | 4.64           | 84  | 525495     | 51.78   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 103.56% |      |      |
| 26) 1,2-Dichloroethane-d4      | 5.31           | 65  | 361201     | 54.48   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 108.96% |      |      |
| 32) Benzene-d6                 | 5.34           | 84  | 1030512    | 52.44   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 104.88% |      |      |
| 36) 1,2-Dichloropropane-d6     | 6.32           | 67  | 359608     | 52.02   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 120 |     | Recovery = | 104.04% |      |      |
| 41) Toluene-d8                 | 7.56           | 98  | 845496     | 49.40   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 98.80%  |      |      |
| 43) trans-1,3-Dichloropropene- | 7.85           | 79  | 144499     | 48.69   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 97.38%  |      |      |
| 47) 2-Hexanone-d5              | 8.31           | 63  | 327310     | 109.38  | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 45 - 130 |     | Recovery = | 109.38% |      |      |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43          | 84  | 476720     | 51.38   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 65 - 120 |     | Recovery = | 102.76% |      |      |
| 64) 1,2-Dichlorobenzene-d4     | 11.85          | 152 | 264273     | 51.52   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 103.04% |      |      |

MD  
5/2/19

| Target Compounds      |      |     |        |             | Qvalue |
|-----------------------|------|-----|--------|-------------|--------|
| 13) Acetone           | 2.34 | 43  | 9838   | 1.740 ug/L  | 99     |
| 34) Trichloroethene   | 6.18 | 95  | 401566 | 70.410 ug/L | 95     |
| 46) Tetrachloroethene | 8.23 | 164 | 3703   | 0.952 ug/L  | 83     |

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