

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121818\  
Quantitation Report (LSC Reviewed)

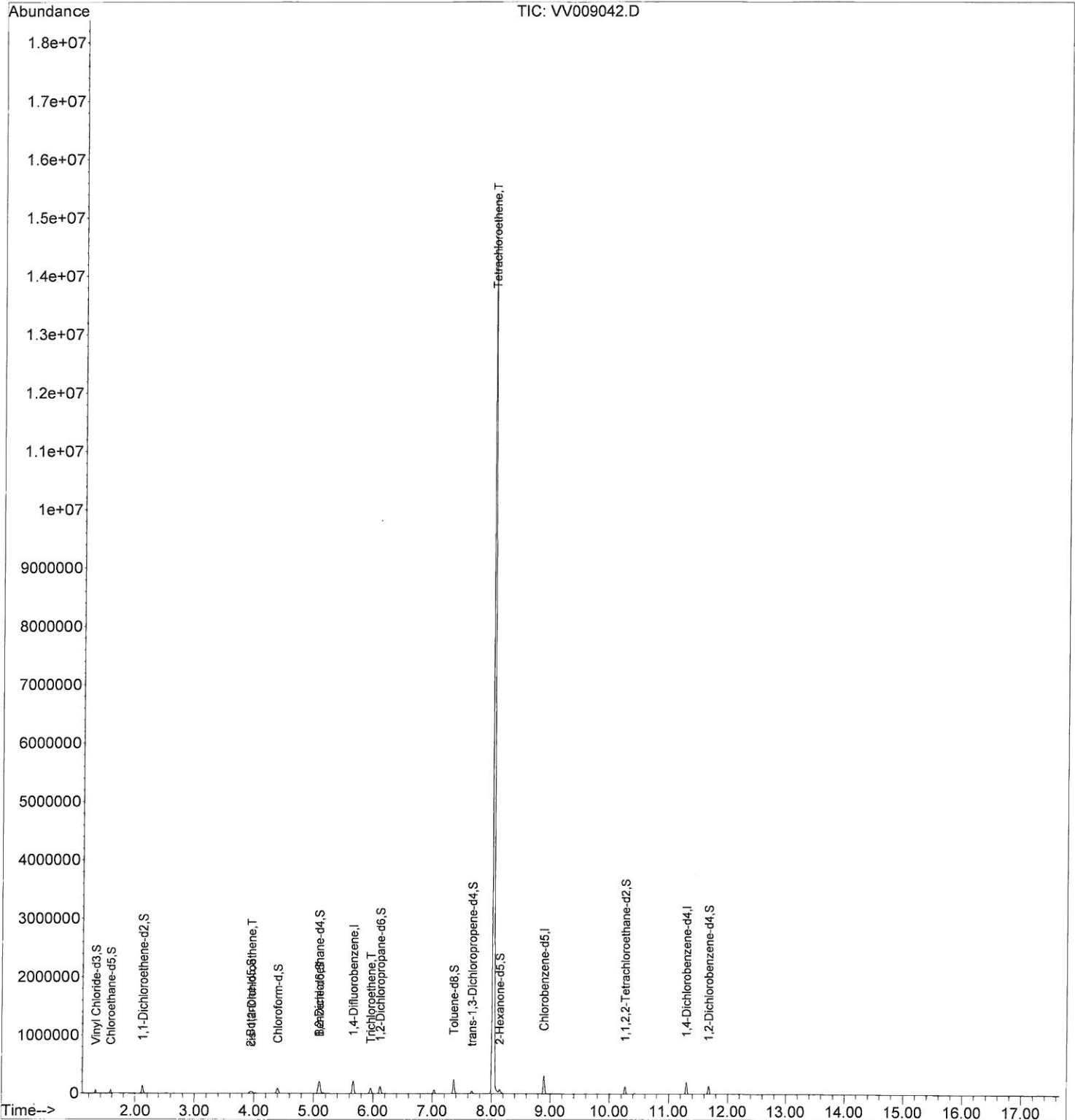
Data File : VV009042.D  
Acq On : 19 Dec 2018 04:37  
Operator : SY/MD  
Sample : J6419-15  
Misc : 6.49G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF043

Manual Integrations  
APPROVED

MMDadoda  
12/19/2018 3:14:38 PM

Quant Time: Dec 19 08:17:11 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM120618S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Dec 19 07:18:27 2018  
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV121818\  
Quantitation Report (Qedit)

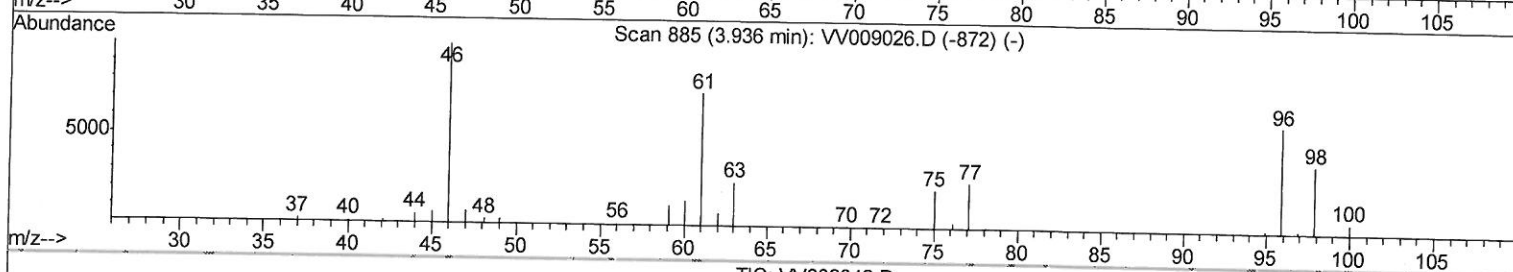
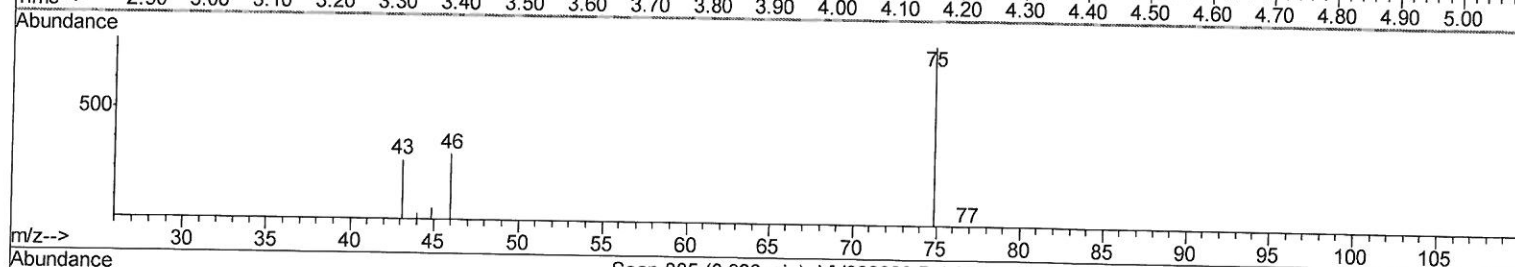
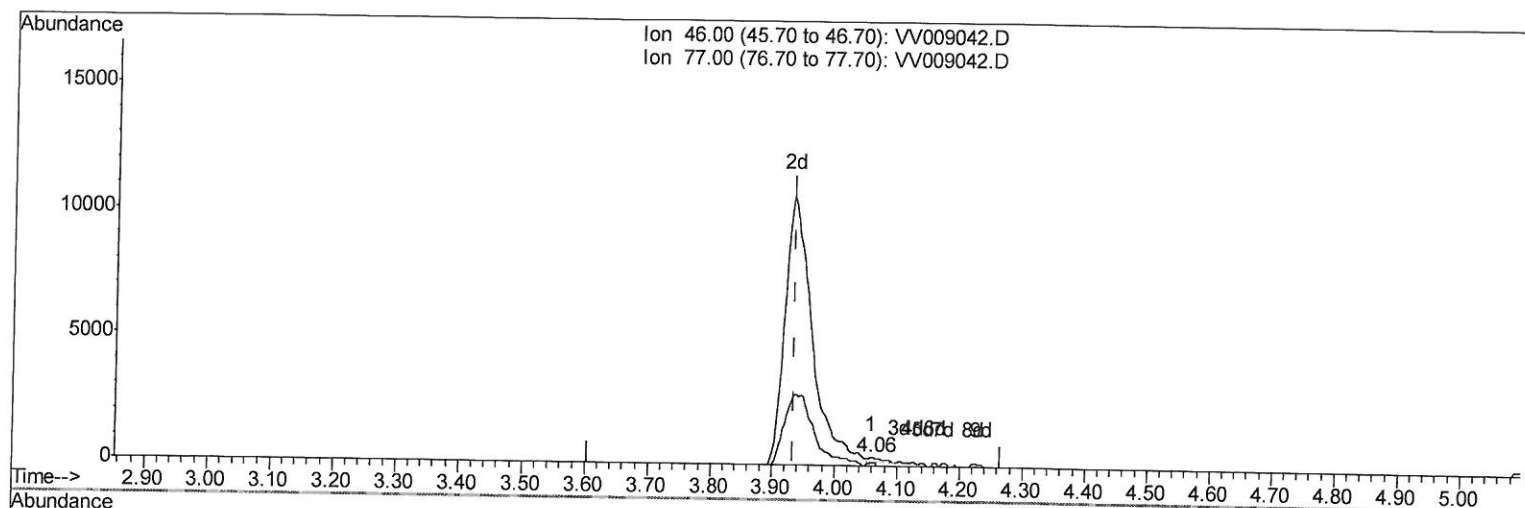
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Quant Time: Dec 19 07:26:46 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM120618S.M  
Quant Title : VOC Analysis  
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TIC: VV009042.D

(20) 2-Butanone-d5 (S)

4.058min (+0.122) 0.45ug/L

response 335

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 28.30 | 35.52 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

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Quantitation Report (Qedit)

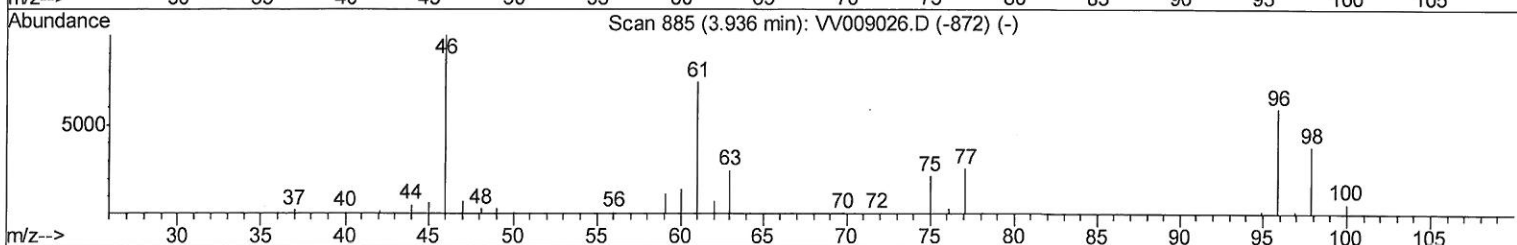
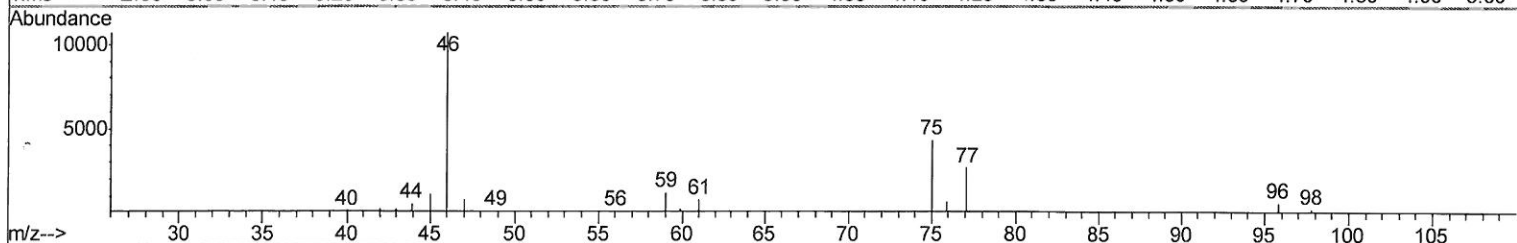
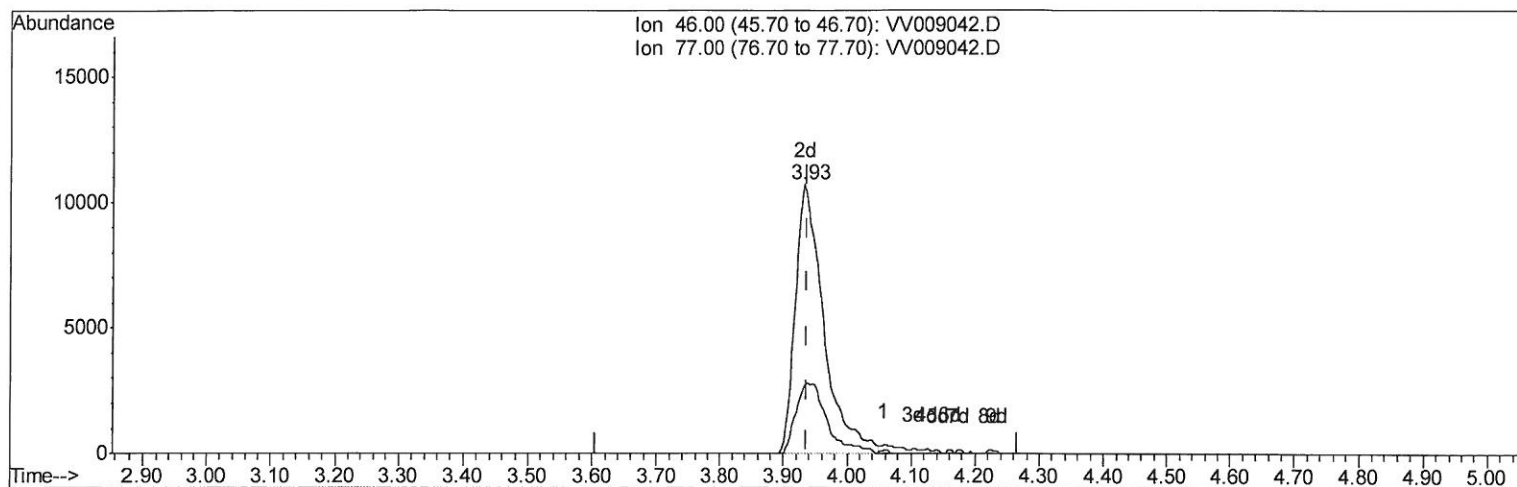
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Manual Integrations  
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Response via : Initial Calibration



TIC: VV009042.D

(20) 2-Butanone-d5 (S)

3.933min (-0.003) 44.24ug/L m

12/13/18

response 32773

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 28.30 | 0.36# |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF043

Manual Integrations  
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| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 196611   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 176482   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 55273    | 25.00 | ug/L  | 0.00     |

System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 38637    | 18.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.96%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 37665    | 25.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.24% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 71823    | 14.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 56.48%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 32773m   | 744.24   | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 88.48%  |
| 24) Chloroform-d               | 4.40   | 84    | 94637    | 20.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 80.08%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 63323    | 24.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 98.20%  |
| 29) Benzene-d6                 | 5.10   | 84    | 188399   | 19.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 76.44%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 59428    | 21.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 86.16%  |
| 37) Toluene-d8                 | 7.36   | 98    | 165759   | 18.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 72.68%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 26252    | 21.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.60%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 24242    | 47.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 95.90%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 60503    | 26.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 104.56% |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 37451    | 18.05    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 72.20%# |

Target Compounds

|                            |      |     |         |          | Qvalue  |
|----------------------------|------|-----|---------|----------|---------|
| 22) cis-1,2-Dichloroethene | 3.96 | 96  | 7362    | 2.578    | ug/L 94 |
| 35) Trichloroethene        | 5.96 | 95  | 30572   | 9.591    | ug/L 99 |
| 47) Tetrachloroethene      | 8.03 | 164 | 3492468 | 1347.204 | ug/L 97 |

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