

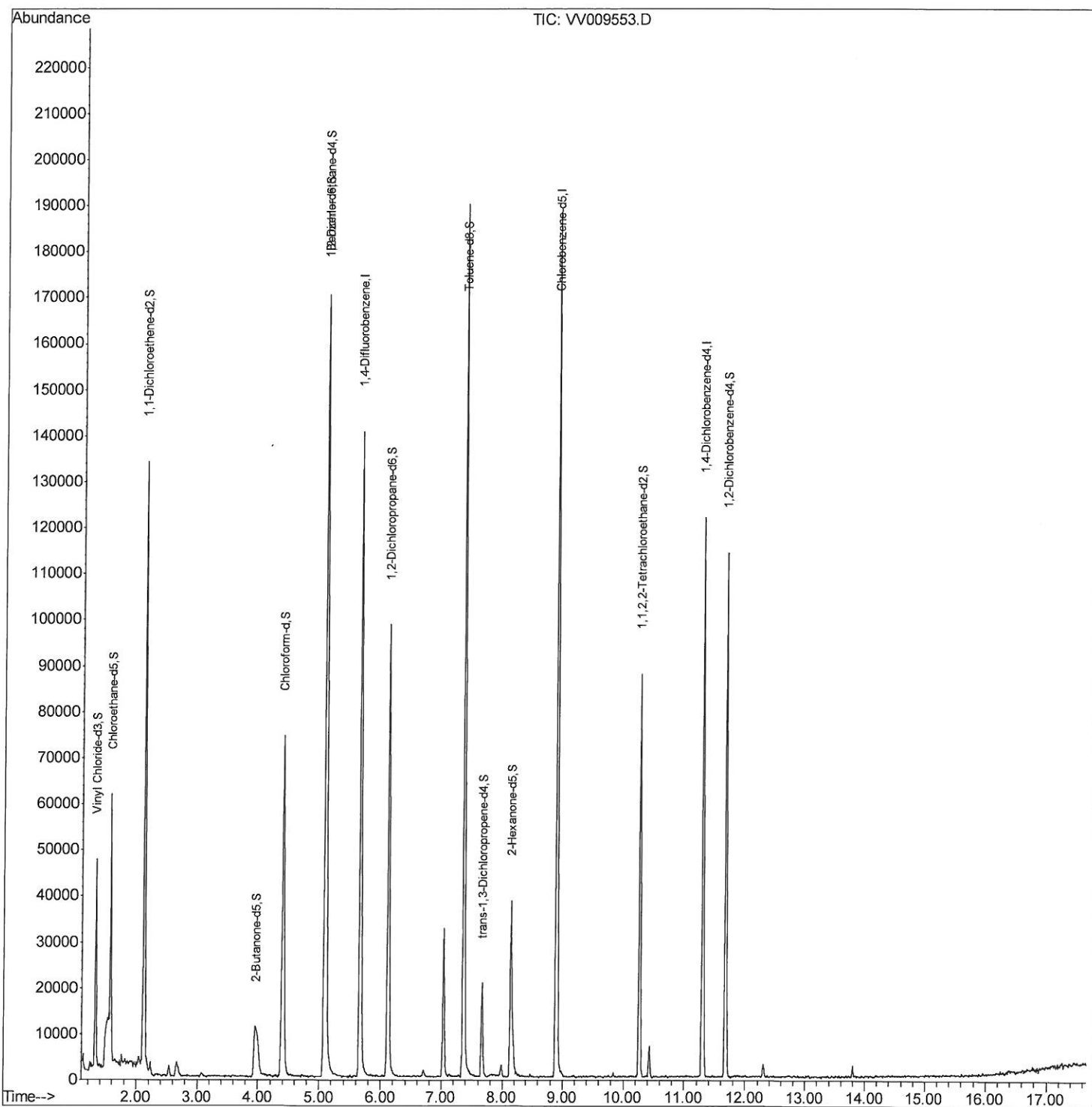
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV030819\  
Data File : VV009553.D  
Acq On : 08 Mar 2019 21:36  
Operator : SY/MD  
Sample : K1794-05  
Misc : 3.57G/10ML/MSVOA\_V/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF5N5

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 10:08:52 AM

Quant Time: Mar 09 02:41:45 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM030519S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Mar 09 01:24:39 2019  
Response via : Initial Calibration



# Quantitation Report (Qedit)

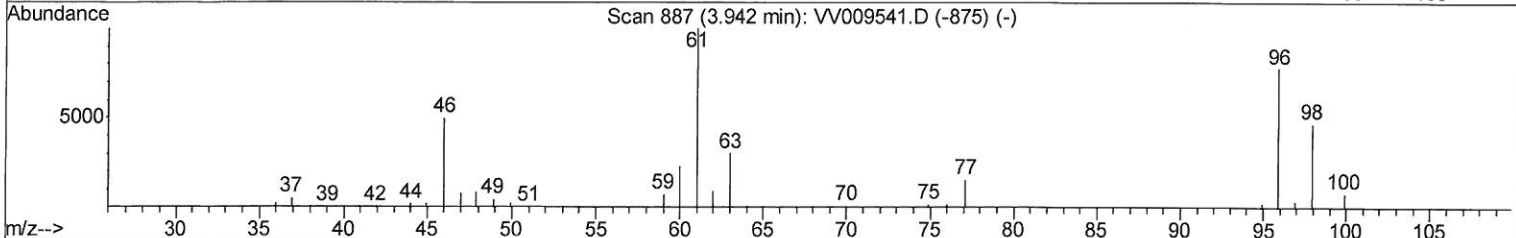
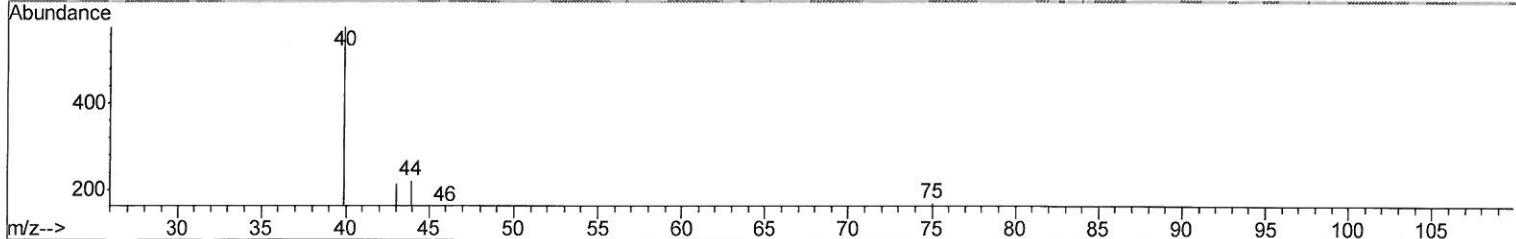
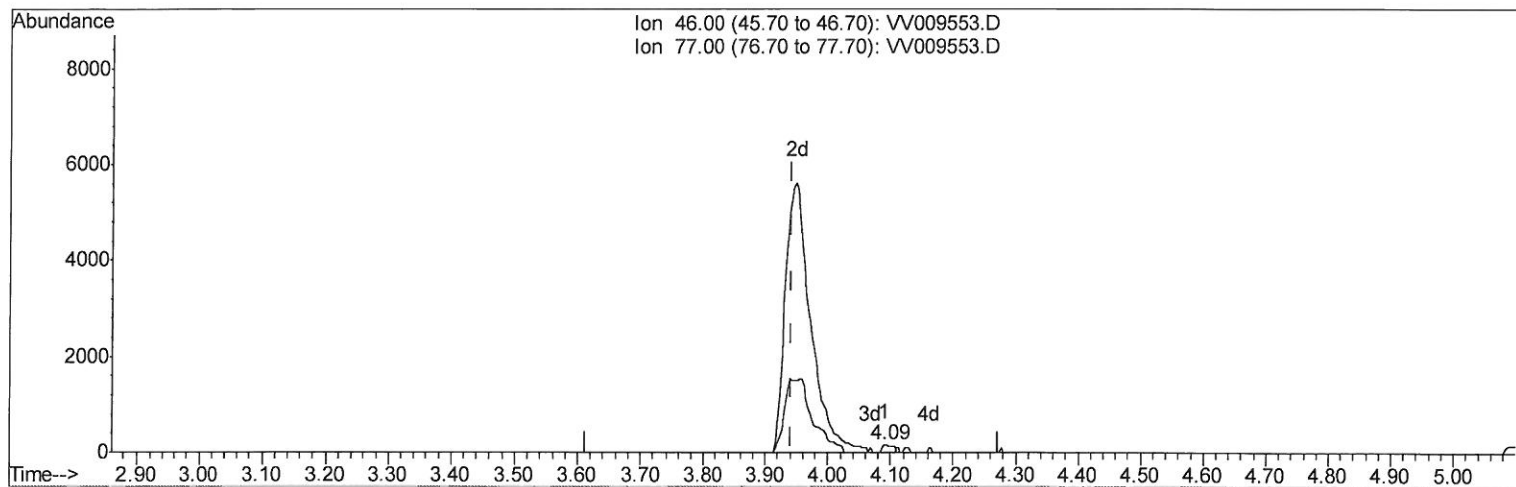
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 3/11/2019 10:08:52 AM

Quant Time: Mar 09 01:28:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM030519S.M  
 Quant Title : VOC Analysis  
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TIC: VV009553.D

(20) 2-Butanone-d5 (S)  
 4.090min (+0.148) 0.27ug/L  
 response 135

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 27.20 | 30.37 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

# Quantitation Report (Qedit)

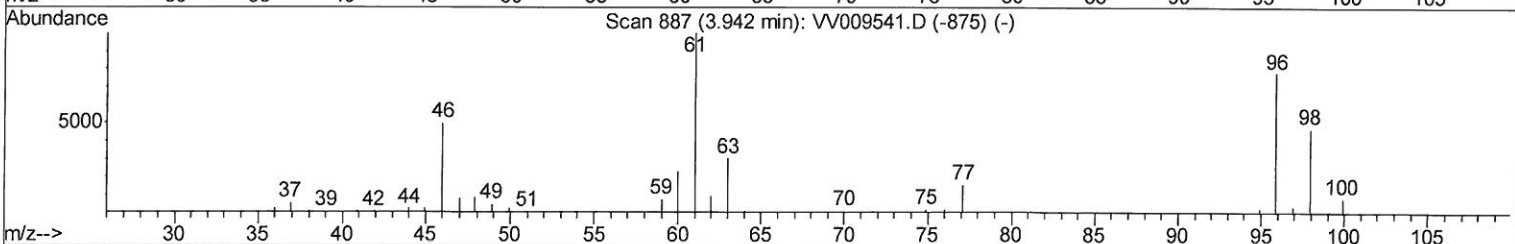
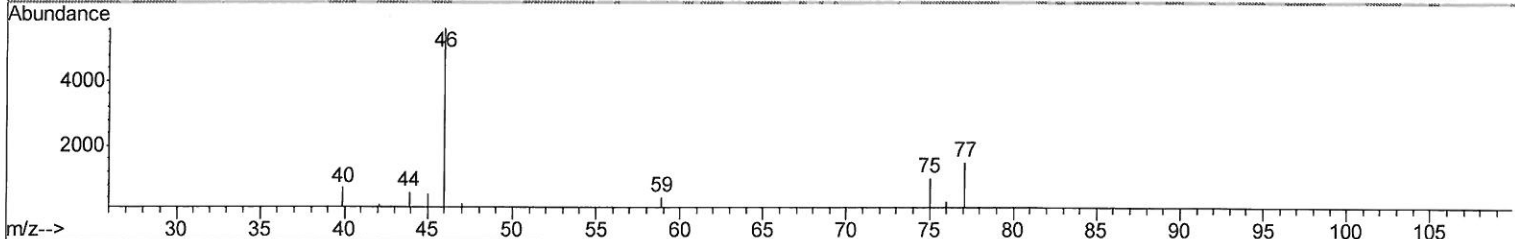
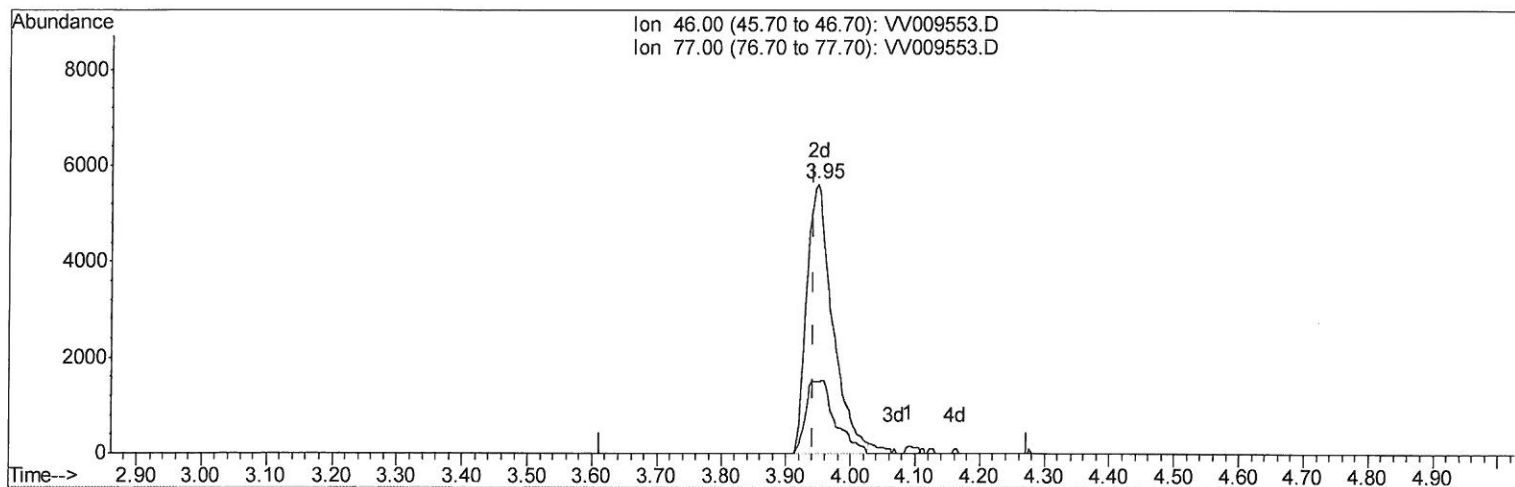
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Instrument :  
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Manual Integrations  
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 Response via : Initial Calibration



TIC: VV009553.D

(20) 2-Butanone-d5 (S)

3.949min (+0.006) 30.87ug/L m

response 15629

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 27.20 | 0.26# |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF5N5

Manual Integrations  
 APPROVED

MMDadoda  
 3/11/2019 10:08:52 AM

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| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 123432   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 100306   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 32537    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |                |     |            |          |      |      |
|--------------------------------|----------------|-----|------------|----------|------|------|
| 4) Vinyl Chloride-d3           | 1.32           | 65  | 26761      | 18.01    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 72.04%   |      |      |
| 7) Chloroethane-d5             | 1.57           | 69  | 35350      | 16.45    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 65.80%   |      |      |
| 10) 1,1-Dichloroethene-d2      | 2.13           | 63  | 65348      | 16.90    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 110 |     | Recovery = | 67.60%   |      |      |
| 20) 2-Butanone-d5              | 3.95           | 46  | 15629m     | 30.87    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 61.74%   |      |      |
| 24) Chloroform-d               | 4.40           | 84  | 73188      | 24.89    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 40 - 150 |     | Recovery = | 99.56%   |      |      |
| 26) 1,2-Dichloroethane-d4      | 5.08           | 65  | 46844      | 28.00    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 130 |     | Recovery = | 112.00%  |      |      |
| 29) Benzene-d6                 | 5.10           | 84  | 143501     | 28.89    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 20 - 135 |     | Recovery = | 115.56%  |      |      |
| 33) 1,2-Dichloropropane-d6     | 6.12           | 67  | 44900      | 30.63    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 120 |     | Recovery = | 122.52%# |      |      |
| 37) Toluene-d8                 | 7.36           | 98  | 124394     | 25.68    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 130 |     | Recovery = | 102.72%  |      |      |
| 38) trans-1,3-Dichloropropene- | 7.67           | 79  | 11395      | 16.04    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 135 |     | Recovery = | 64.16%   |      |      |
| 39) 2-Hexanone-d5              | 8.13           | 63  | 12427      | 36.32    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 72.64%   |      |      |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26          | 84  | 40318      | 25.81    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 120 |     | Recovery = | 103.24%  |      |      |
| 61) 1,2-Dichlorobenzene-d4     | 11.67          | 152 | 28586      | 24.07    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 75 - 120 |     | Recovery = | 96.28%   |      |      |

| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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