

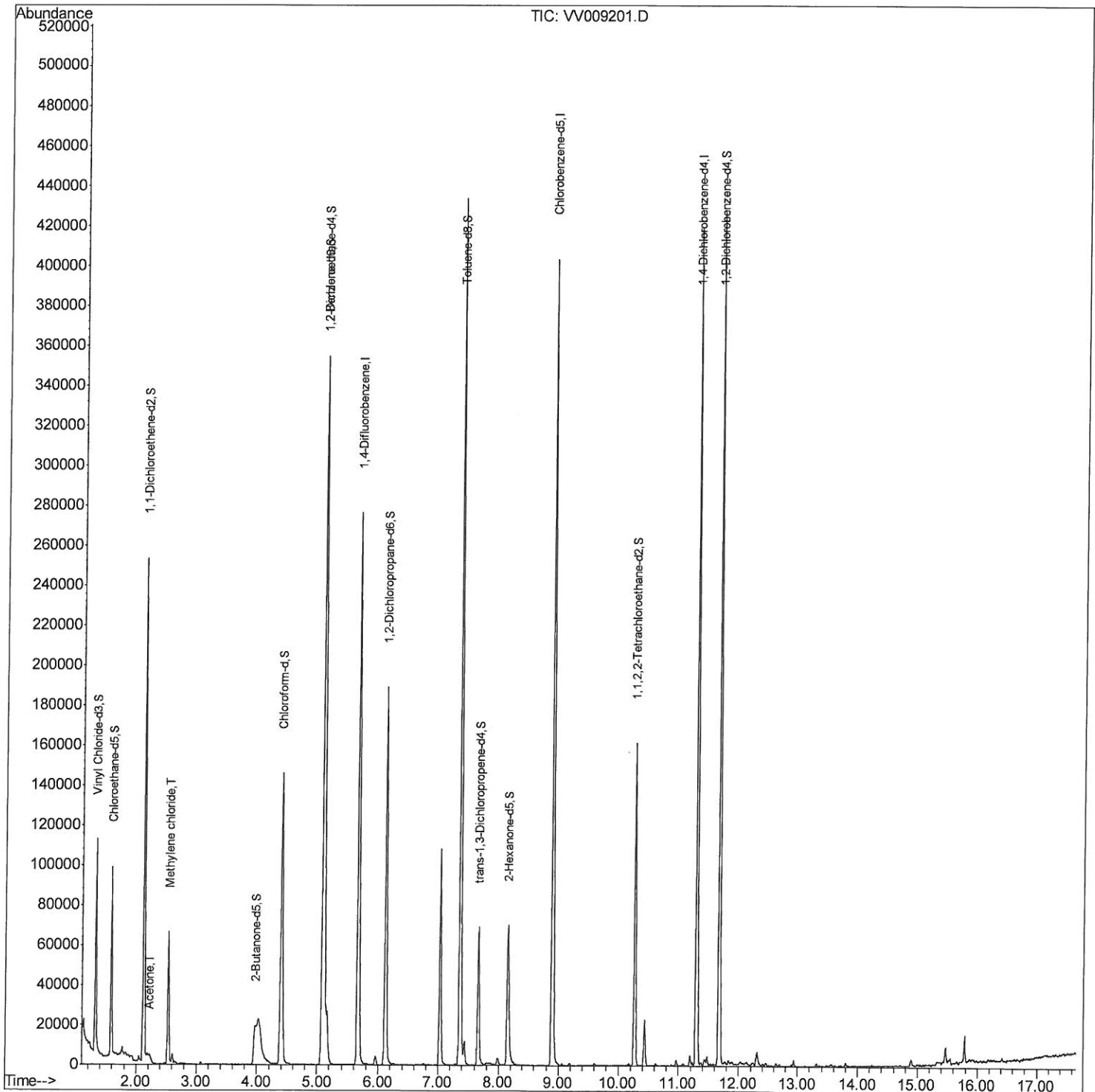
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV010819\  
Data File : VV009201.D  
Acq On : 08 Jan 2019 18:48  
Operator : SY/MD  
Sample : K1051-10  
Misc : 4.92 G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BE9X8

Manual Integrations  
APPROVED

MMDadoda  
1/9/2019 3:28:47 PM

Quant Time: Jan 09 00:55:53 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM010819S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jan 09 00:40:20 2019  
Response via : Initial Calibration



# Quantitation Report (Qedit)

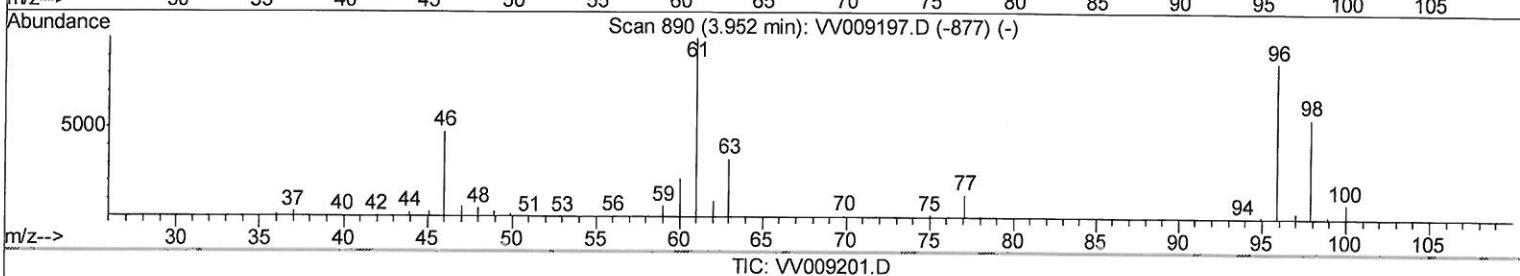
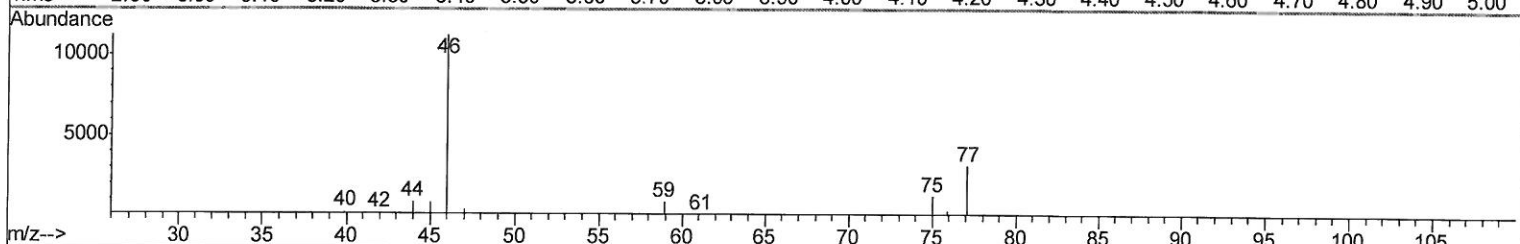
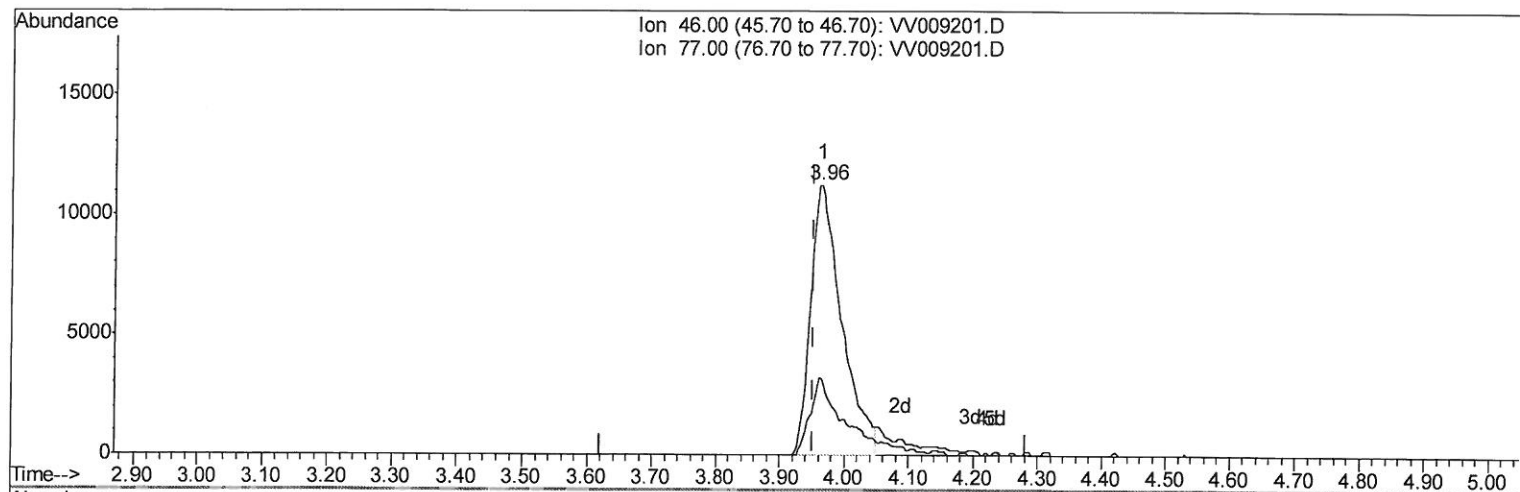
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**Manual Integrations**  
**APPROVED**

MMDadoda  
 1/9/2019 3:28:47 PM

Quant Time: Jan 09 00:43:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM010819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 09 00:40:20 2019  
 Response via : Initial Calibration



TIC: VV009201.D

(20) 2-Butanone-d5 (S)  
 3.965min (+0.013) 38.39ug/L  
 response 37696

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 25.10 | 20.23 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

# Quantitation Report (Qedit)

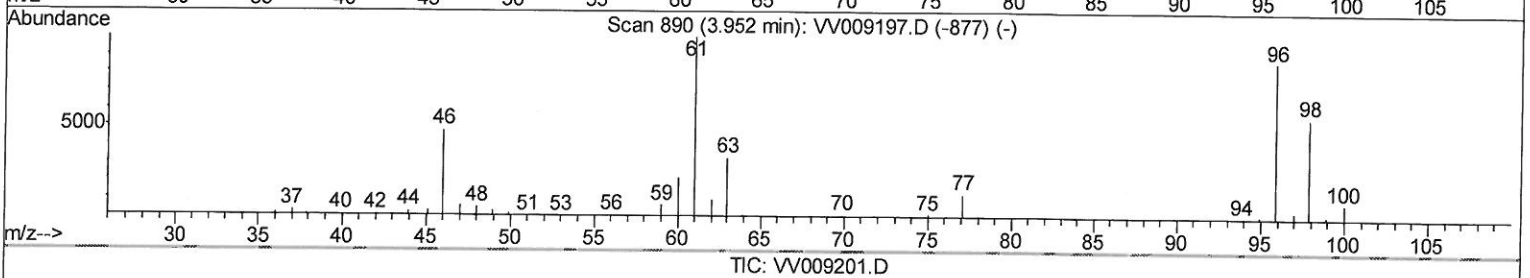
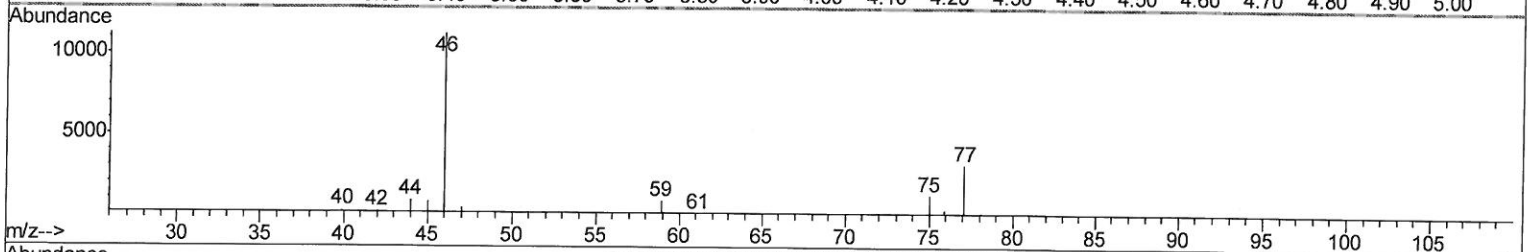
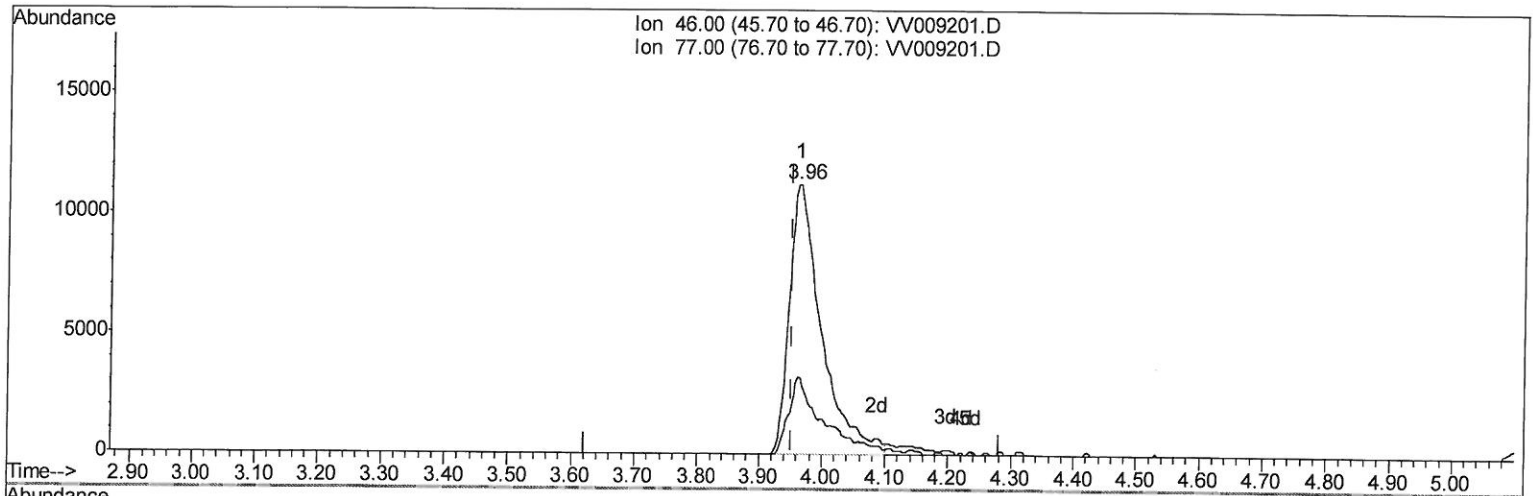
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 Data File : VV009201.D  
 Acq On : 08 Jan 2019 18:48  
 Operator : SY/MD  
 Sample : K1051-10  
 Misc : 4.92 G/10ML/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BE9X8

Manual Integrations  
 APPROVED

MMDadoda  
 1/9/2019 3:28:47 PM

Quant Time: Jan 09 00:43:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM010819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 09 00:40:20 2019  
 Response via : Initial Calibration



(20) 2-Butanone-d5 (S)

3.965min (+0.013) 40.67ug/L m

response 39931

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 25.10 | 19.10 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV010819\  
 Data File : VV009201.D  
 Acq On : 08 Jan 2019 18:48  
 Operator : SY/MD  
 Sample : K1051-10  
 Misc : 4.92 G/10ML/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 BE9X8

Manual Integrations  
 APPROVED

MMDadoda  
 1/9/2019 3:28:47 PM

Quant Time: Jan 09 00:55:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM010819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 09 00:40:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 247439   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 229614   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 113595   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |                |     |            |         |      |      |
|--------------------------------|----------------|-----|------------|---------|------|------|
| 4) Vinyl Chloride-d3           | 1.32           | 65  | 64046      | 28.26   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 113.04% |      |      |
| 7) Chloroethane-d5             | 1.58           | 69  | 55787      | 28.37   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 113.48% |      |      |
| 10) 1,1-Dichloroethene-d2      | 2.13           | 63  | 129051     | 20.85   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 110 |     | Recovery = | 83.40%  |      |      |
| 20) 2-Butanone-d5              | 3.96           | 46  | 39931m     | 40.67   | ug/L | 0.01 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 81.34%  |      |      |
| 24) Chloroform-d               | 4.40           | 84  | 150260     | 26.10   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 40 - 150 |     | Recovery = | 104.40% |      |      |
| 26) 1,2-Dichloroethane-d4      | 5.08           | 65  | 83879      | 26.78   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 130 |     | Recovery = | 107.12% |      |      |
| 29) Benzene-d6                 | 5.10           | 84  | 317256     | 27.55   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 20 - 135 |     | Recovery = | 110.20% |      |      |
| 33) 1,2-Dichloropropane-d6     | 6.12           | 67  | 89961      | 27.29   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 120 |     | Recovery = | 109.16% |      |      |
| 37) Toluene-d8                 | 7.36           | 98  | 296437     | 27.21   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 130 |     | Recovery = | 108.84% |      |      |
| 38) trans-1,3-Dichloropropene- | 7.67           | 79  | 41396      | 25.55   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 135 |     | Recovery = | 102.20% |      |      |
| 39) 2-Hexanone-d5              | 8.14           | 63  | 24597      | 40.85   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 81.70%  |      |      |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26          | 84  | 76634      | 23.90   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 120 |     | Recovery = | 95.60%  |      |      |
| 61) 1,2-Dichlorobenzene-d4     | 11.68          | 152 | 113562     | 26.60   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 75 - 120 |     | Recovery = | 106.40% |      |      |

| Target Compounds       |      |    |       |            | Qvalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.22 | 43 | 7685  | 5.245 ug/L | 88     |
| 16) Methylene chloride | 2.54 | 84 | 27766 | 7.763 ug/L | 85     |

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