

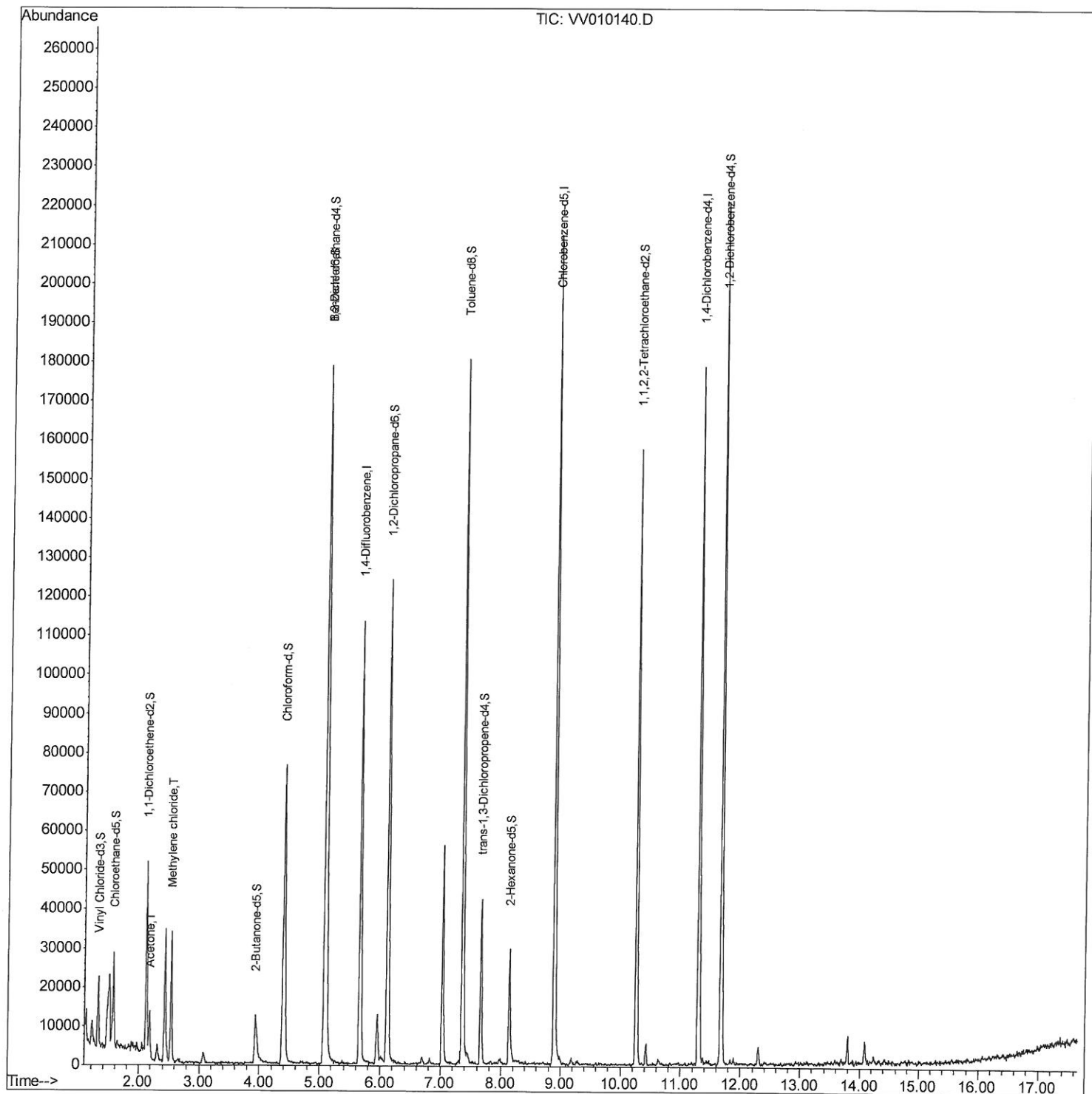
Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV040519\Not Reviewed Data\  
Data File : VV010140.D  
Acq On : 05 Apr 2019 19:14  
Operator : SY/MD  
Sample : K2168-18  
Misc : 6.56G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF675

Manual Integrations  
APPROVED

MMDadoda  
4/8/2019 3:29:43 AM

Quant Time: Apr 06 02:37:31 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Apr 05 23:46:15 2019  
Response via : Initial Calibration



# Quantitation Report (Qedit)

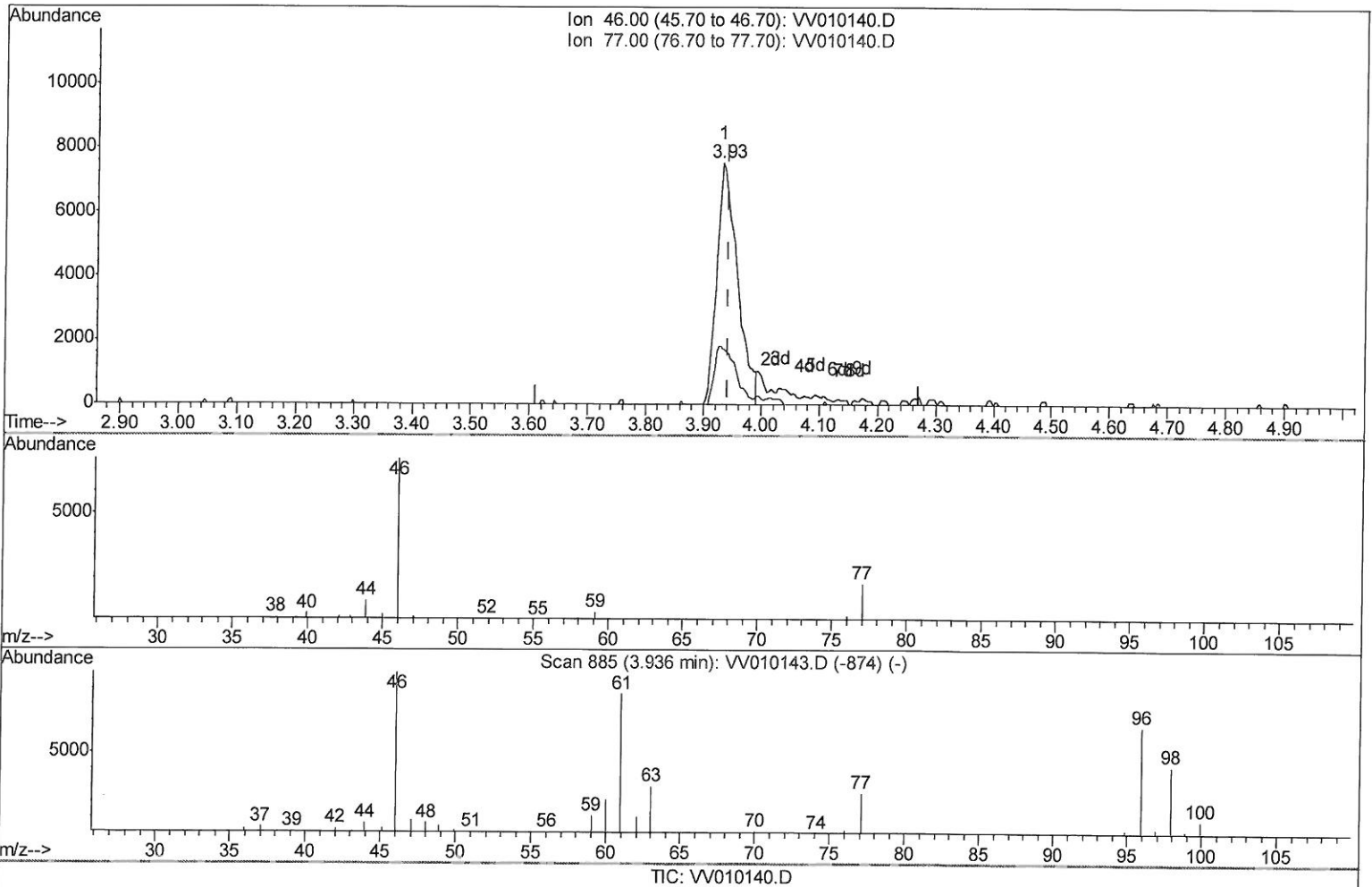
Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV040519\Not Reviewed Data\  
 Data File : VV010140.D  
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 MSVOA\_V  
**ClientSampleId :**  
 BF675

**Manual Integrations**  
**APPROVED**

MMDadoda  
 4/8/2019 3:29:43 AM

Quant Time: Apr 10 09:38:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 09 07:35:38 2019  
 Response via : Initial Calibration



(20) 2-Butanone-d5 (S)

3.933min (-0.009) 49.19ug/L

response 18544

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 25.70 | 24.88 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

# Quantitation Report (Qedit)

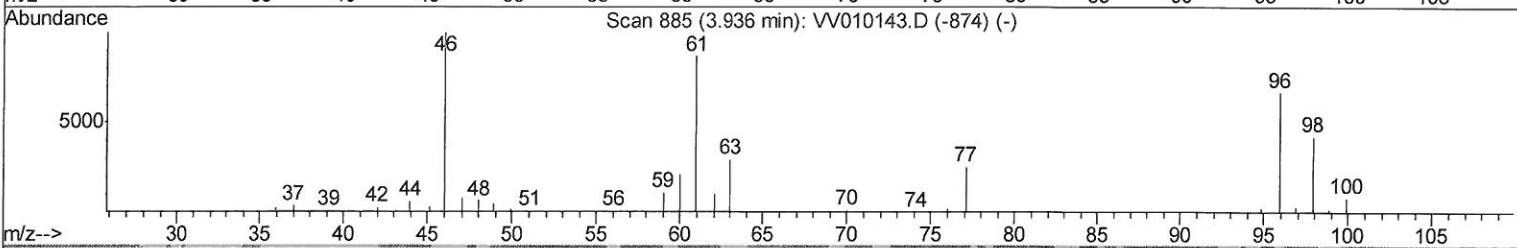
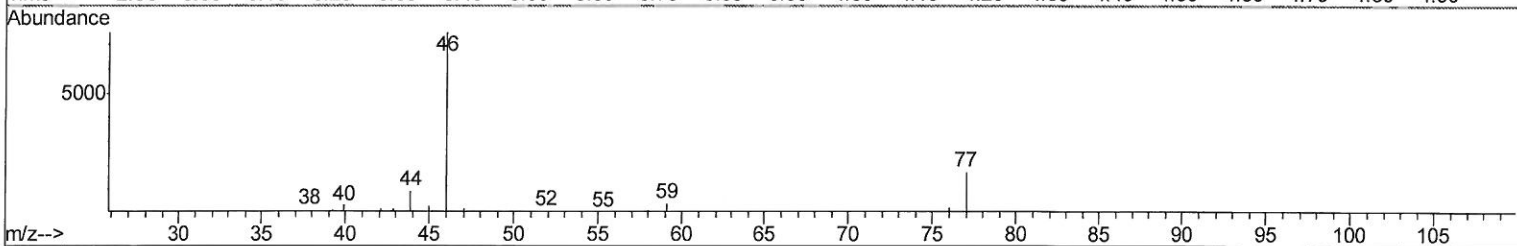
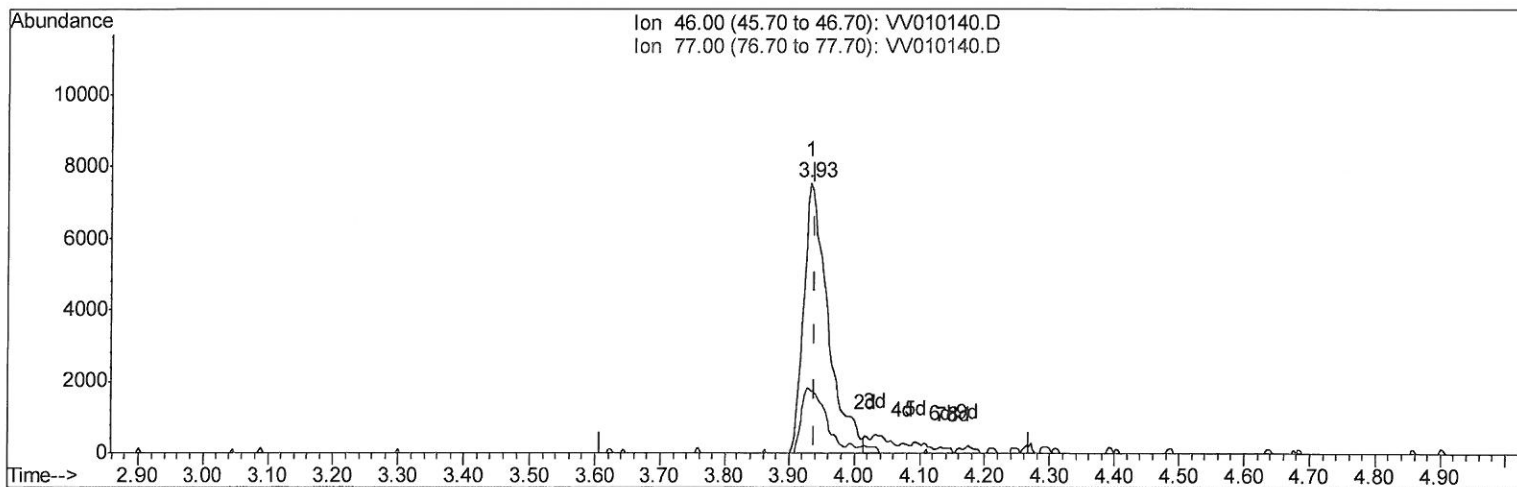
Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV040519\Not Reviewed Data\  
 Data File : VV010140.D  
 Acq On : 05 Apr 2019 19:14  
 Operator : SY/MD  
 Sample : K2168-18  
 Misc : 6.56G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF675

Manual Integrations  
 APPROVED

MMDadoda  
 4/8/2019 3:29:43 AM

Quant Time: Apr 06 02:37:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 05 23:46:15 2019  
 Response via : Initial Calibration



TIC: VV010140.D

(20) 2-Butanone-d5 (S)

3.933min (-0.006) 51.67ug/L m

response 19479

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 25.70 | 23.68 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

7 MD  
 4/13/19

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV040519\Not Reviewed Data\  
 Data File : VV010140.D  
 Acq On : 05 Apr 2019 19:14  
 Operator : SY/MD  
 Sample : K2168-18  
 Misc : 6.56G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF675

Manual Integrations  
 APPROVED

MMDadoda  
 4/8/2019 3:29:43 AM

Quant Time: Apr 06 02:37:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 05 23:46:15 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 98957    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 118407   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 52498    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 7934     | 5.99     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 23.96%#  |
| 7) Chloroethane-d5             | 1.57   | 69    | 15923    | 9.68     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 38.72%   |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 23280    | 6.97     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 27.88%#  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 19479m   | 51.67    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 103.34%  |
| 24) Chloroform-d               | 4.40   | 84    | 72660    | 29.14    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 116.56%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 67351    | 48.29    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 193.16%# |
| 29) Benzene-d6                 | 5.10   | 84    | 131071   | 21.35    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.40%   |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 56051    | 30.93    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 123.72%# |
| 37) Toluene-d8                 | 7.36   | 98    | 121587   | 20.55    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.20%   |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 21479    | 27.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 110.92%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 10602    | 29.17    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 58.34%   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 69075    | 38.65    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 154.60%# |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 61018    | 29.84    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 119.36%  |

## Target Compounds

|                        |      |    |       |             | Ovalue |
|------------------------|------|----|-------|-------------|--------|
| 13) Acetone            | 2.19 | 43 | 11848 | 31.789 ug/L | 99     |
| 16) Methylene chloride | 2.53 | 84 | 13757 | 7.913 ug/L  | 94     |

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