

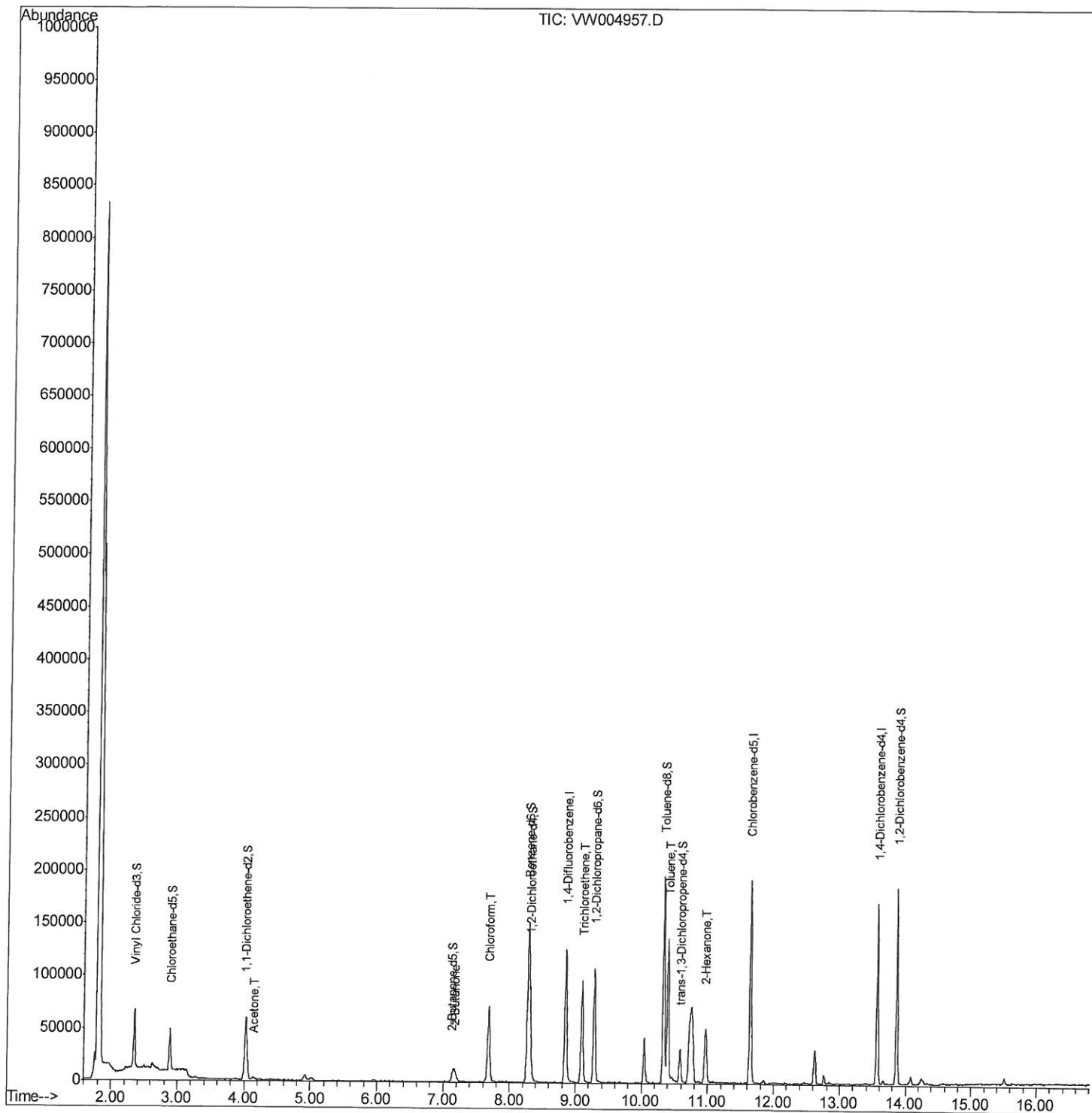
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW082418\  
Data File : VW004957.D  
Acq On : 25 Aug 2018 00:49  
Operator : SY/AP  
Sample : J4649-01  
Misc : 3.10G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleID :  
GAB88

Manual Integrations  
APPROVED

apatel  
8/31/2018 11:38:33 AM

Quant Time: Aug 25 04:51:44 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082218S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Aug 25 01:34:01 2018  
Response via : Initial Calibration



## Quantitation Report (Qedit)

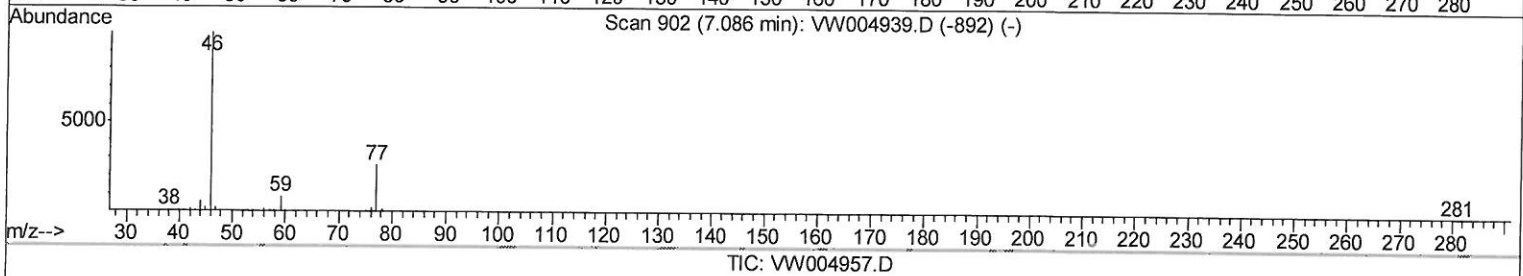
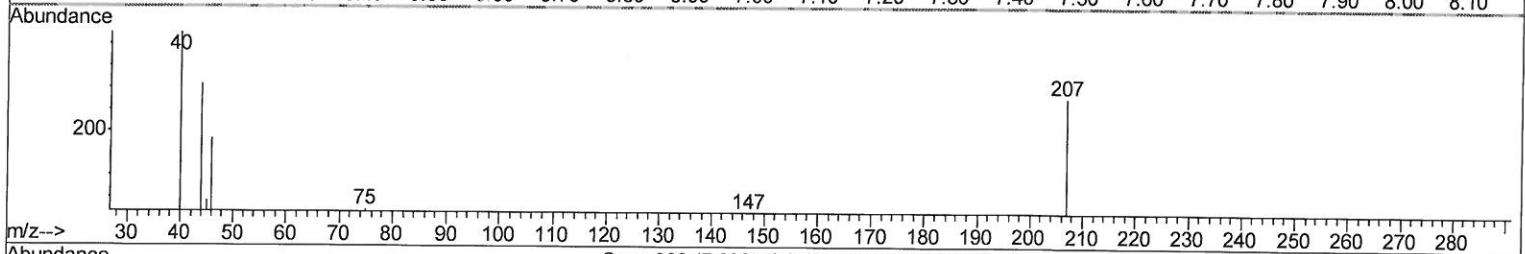
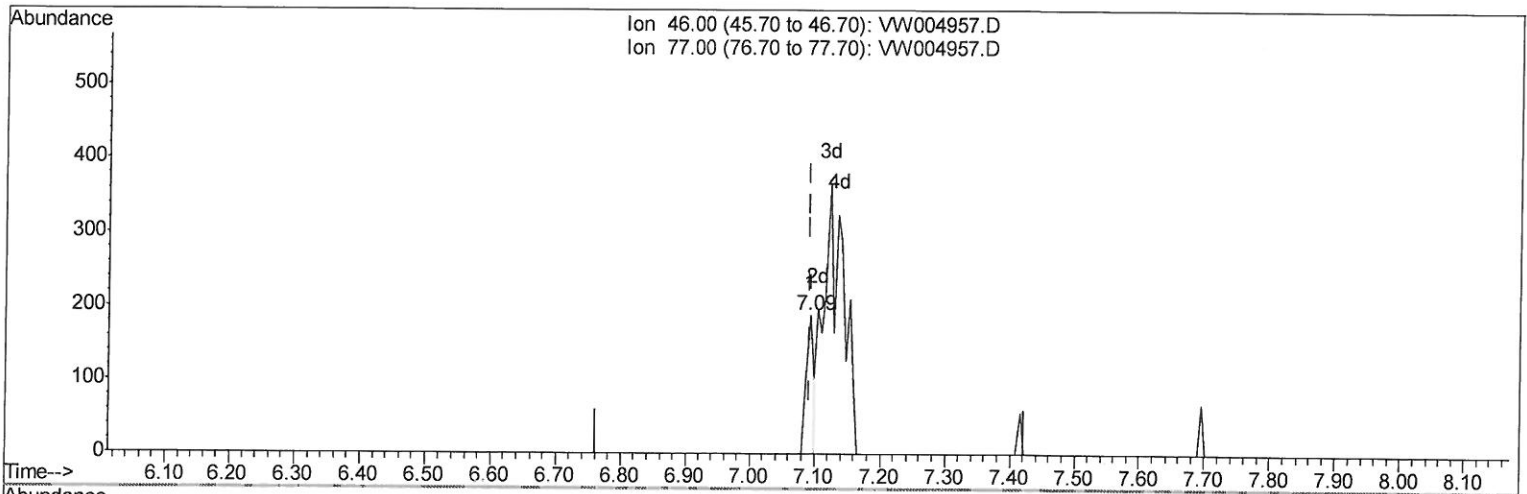
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(20) 2-Butanone-d5 (S)

7.092min (-0.000) 0.33ug/L

response 143

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 25.50 | 0.00# |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

## Quantitation Report (Qedit)

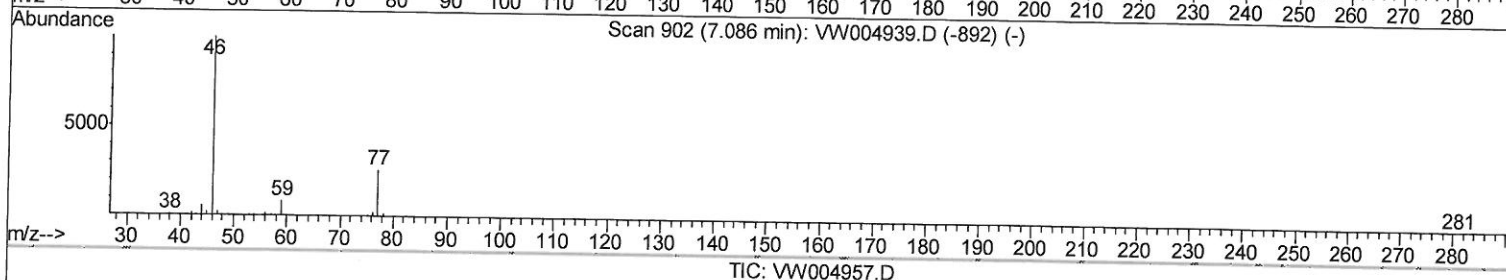
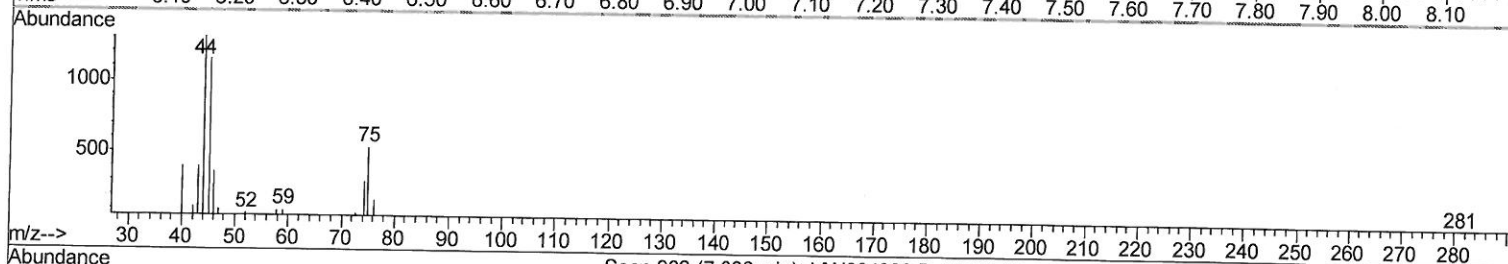
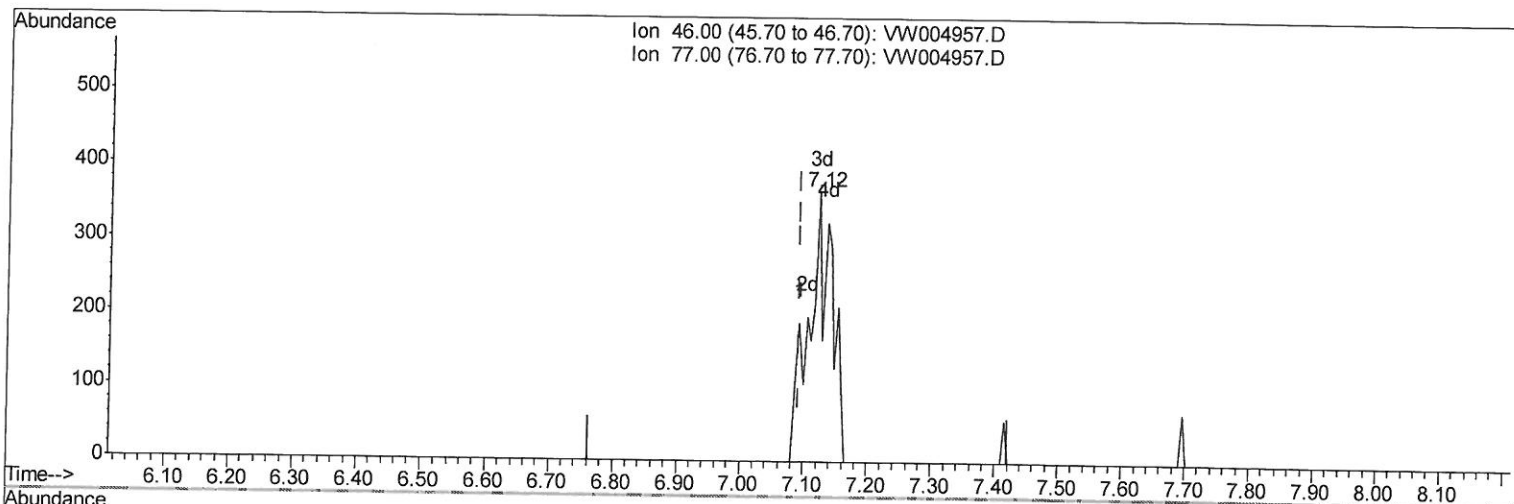
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAB88

Manual Integrations  
APPROVED

apatel  
8/31/2018 11:38:33 AM

Quant Time: Aug 25 01:36:05 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082218S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Aug 25 01:34:01 2018  
Response via : Initial Calibration



(20) 2-Butanone-d5 (S)

7.123min (+0.030) 2.17ug/L m

08/29/18 SY

response 931

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 25.50 | 0.00# |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW082418\  
 Data File : VW004957.D  
 Acq On : 25 Aug 2018 00:49  
 Operator : SY/AP  
 Sample : J4649-01  
 Misc : 3.10G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 GAB88

Manual Integrations  
 APPROVED

apatel  
 8/31/2018 11:38:33 AM

Quant Time: Aug 25 04:51:44 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082218S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 25 01:34:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 111603   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 119027   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 47267    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |                |     |            |          |      |      |
|--------------------------------|----------------|-----|------------|----------|------|------|
| 4) Vinyl Chloride-d3           | 2.36           | 65  | 52906      | 25.08    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 100.32%  |      |      |
| 7) Chloroethane-d5             | 2.90           | 69  | 41424      | 26.49    | ug/L | 0.01 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 105.96%  |      |      |
| 10) 1,1-Dichloroethene-d2      | 4.02           | 63  | 57733      | 21.43    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 110 |     | Recovery = | 85.72%   |      |      |
| 20) 2-Butanone-d5              | 7.12           | 46  | 931m       | 2.17     | ug/L | 0.03 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 4.34%#   |      |      |
| 24) Chloroform-d               | 7.68           | 84  | 3243       | 1.31     | ug/L | 0.03 |
| Spiked Amount 25.000           | Range 40 - 150 |     | Recovery = | 5.24%#   |      |      |
| 26) 1,2-Dichloroethane-d4      | 8.31           | 65  | 45906      | 34.10    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 130 |     | Recovery = | 136.40%# |      |      |
| 29) Benzene-d6                 | 8.28           | 84  | 167502     | 27.36    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 20 - 135 |     | Recovery = | 109.44%  |      |      |
| 33) 1,2-Dichloropropane-d6     | 9.28           | 67  | 52844      | 29.38    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 120 |     | Recovery = | 117.52%  |      |      |
| 37) Toluene-d8                 | 10.33          | 98  | 138578     | 21.37    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 130 |     | Recovery = | 85.48%   |      |      |
| 38) trans-1,3-Dichloropropene- | 10.59          | 79  | 18526      | 23.94    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 135 |     | Recovery = | 95.76%   |      |      |
| 39) 2-Hexanone-d5              | 10.94          | 63  | 233        | 0.52     | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 1.04%#   |      |      |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69          | 84  | 467        | 0.26     | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 120 |     | Recovery = | 1.04%#   |      |      |
| 61) 1,2-Dichlorobenzene-d4     | 13.87          | 152 | 52860      | 27.84    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 75 - 120 |     | Recovery = | 111.36%  |      |      |

## Target Compounds

|                     |       |    |        |        | Qvalue    |
|---------------------|-------|----|--------|--------|-----------|
| 13) Acetone         | 4.14  | 43 | 2674   | 8.041  | ug/L 72   |
| 21) 2-Butanone      | 7.18  | 43 | 13598  | 26.556 | ug/L # 58 |
| 25) Chloroform      | 7.69  | 83 | 72494  | 29.286 | ug/L 99   |
| 35) Trichloroethene | 9.10  | 95 | 32251  | 19.111 | ug/L 98   |
| 44) Toluene         | 10.40 | 91 | 104201 | 12.785 | ug/L 99   |
| 49) 2-Hexanone      | 10.97 | 43 | 21621  | 22.702 | ug/L # 81 |

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