

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040519\

Data File : VW009727.D

Acq On : 05 Apr 2019 12:46

Operator : SY/VA

Sample : K2246-17

Misc : 5.98G/10ML/MSVOA\_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 13:58:19 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M

Quant Title : VOC Analysis

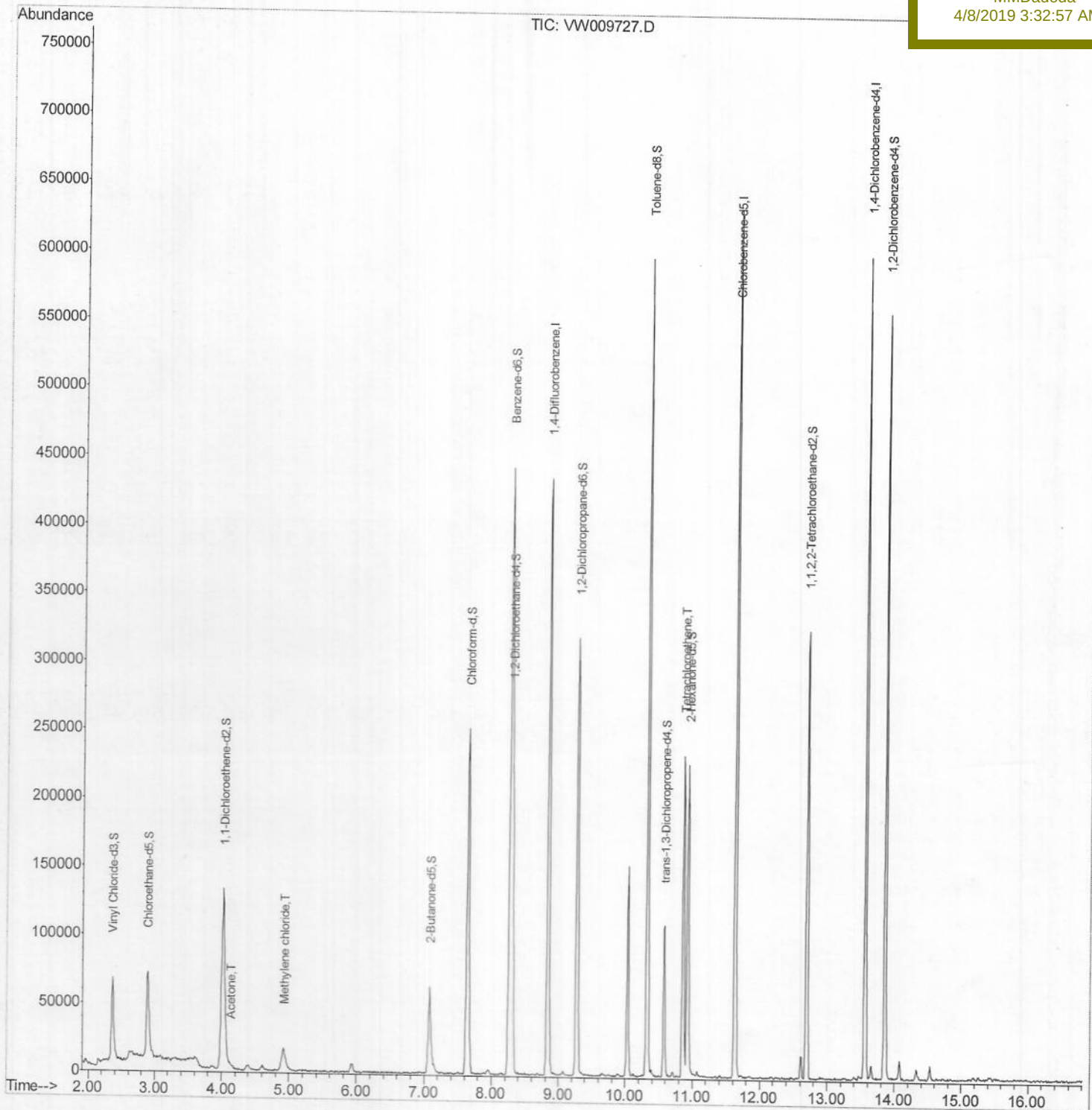
QLast Update : Fri Apr 05 08:15:53 2019

Response via : Initial Calibration

Instrument :  
MSVOA\_W  
Client Sampled :  
BF2Q5

Manual Integrations  
APPROVED

MMDadoda  
4/8/2019 3:32:57 AM



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040519\

Data File : VW009727.D

Acq On : 05 Apr 2019 12:46

Operator : SY/VA

Sample : K2246-17

Misc : 5.98G/10ML/MSVOA\_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 19 08:17:49 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M

Quant Title : VOC Analysis

QLast Update : Mon Apr 15 09:14:36 2019

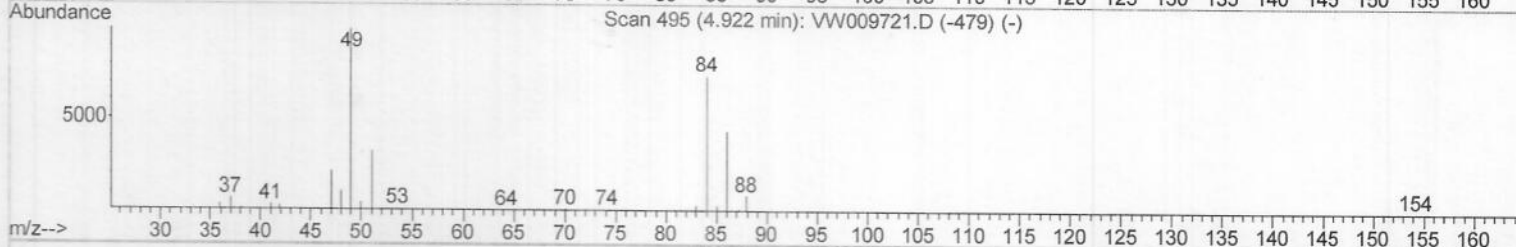
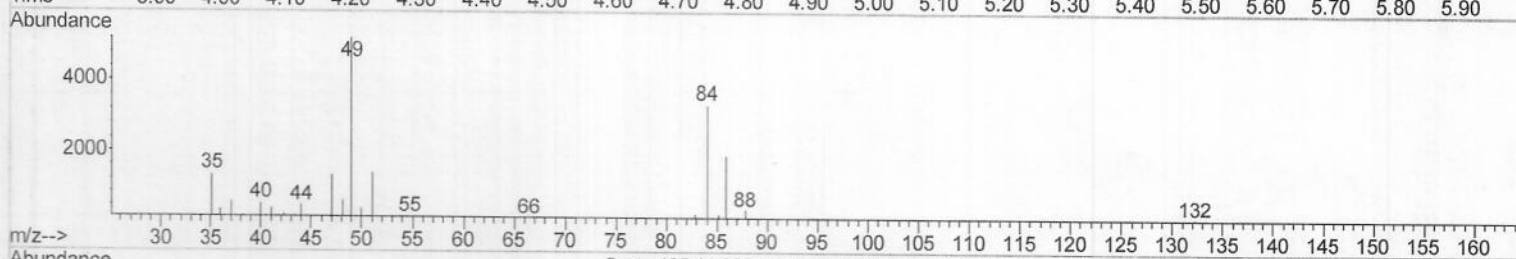
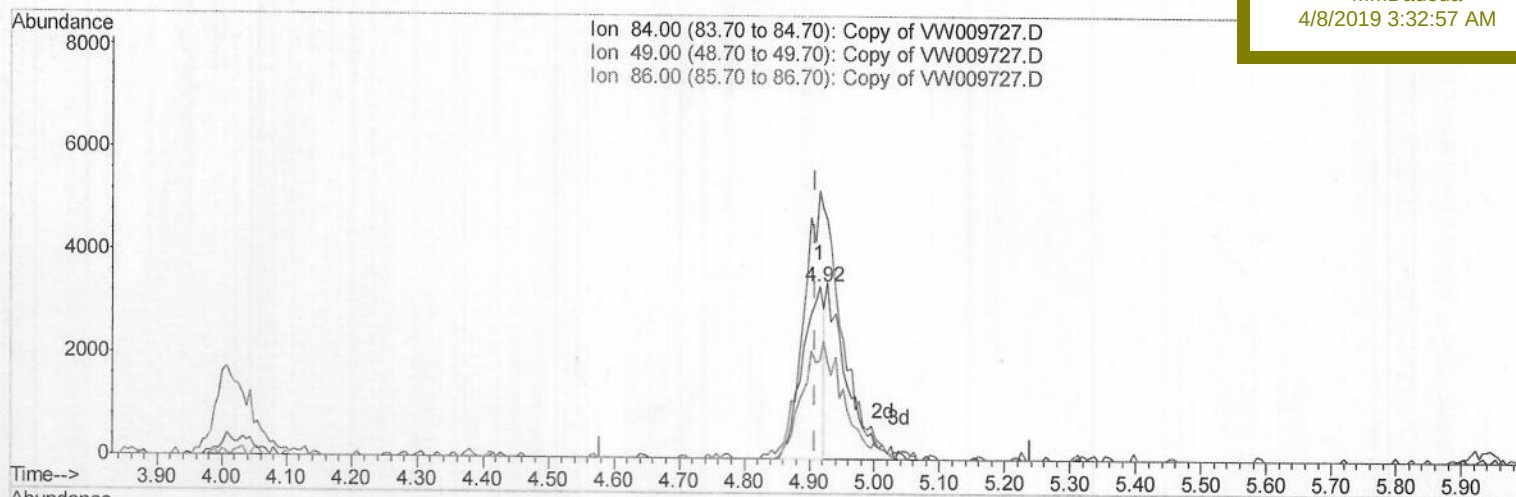
Response via : Initial Calibration

Instrument :

MSVOA\_W

ClientSampleId :

BF2Q5

Manual Integrations  
APPROVEDMMDadoda  
4/8/2019 3:32:57 AM

TIC: Copy of VW009727.D

(16) Methylene chloride (T)

4.916min (+0.006) 1.31ug/L

response 7640

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100    | 100    |
| 49.00 | 140.40 | 155.50 |
| 86.00 | 66.30  | 56.48  |
| 0.00  | 0.00   | 0.00   |

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Quant Title : VOC Analysis

QLast Update : Fri Apr 05 08:15:53 2019

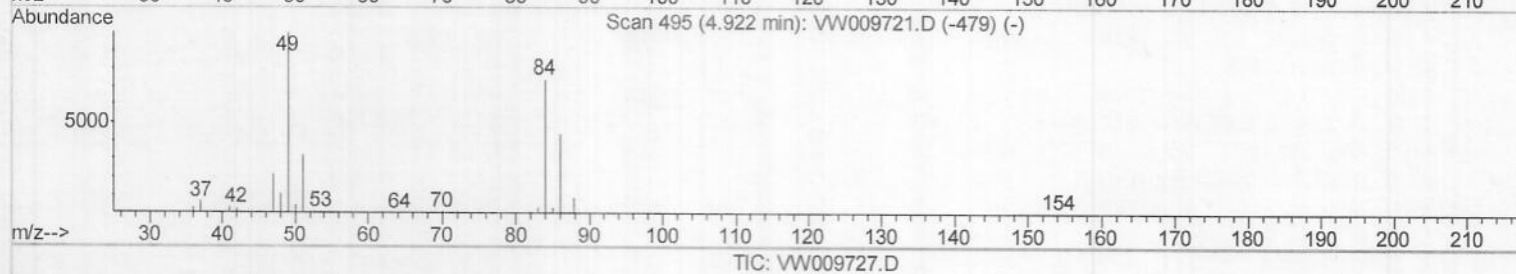
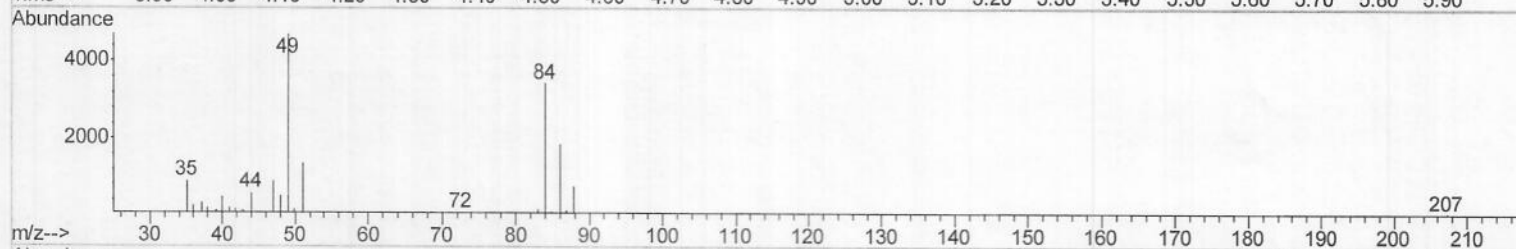
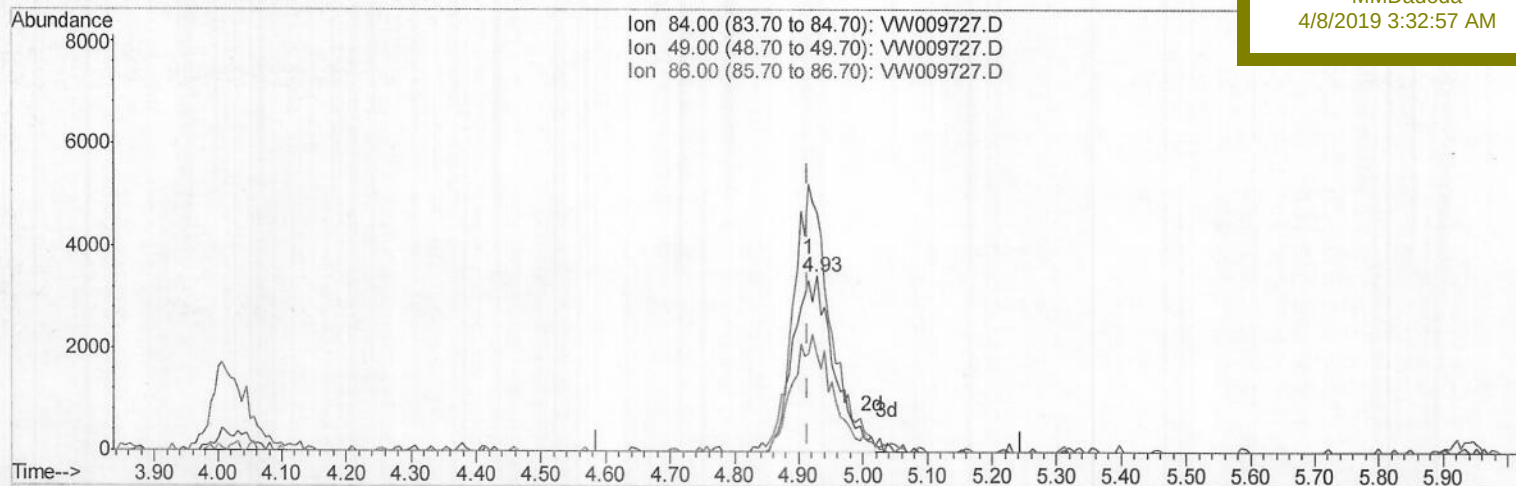
Response via : Initial Calibration

Instrument :

MSVOA\_W

ClientSampleId :

BF2Q5

Manual Integrations  
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4/8/2019 3:32:57 AM

(16) Methylene chloride (T)

4.928min (+0.013) 2.56ug/L m

response 14965

M.D.  
04/19/19

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100    | 100    |
| 49.00 | 140.40 | 136.15 |
| 86.00 | 66.30  | 54.33  |
| 0.00  | 0.00   | 0.00   |



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 Acq On : 05 Apr 2019 12:46  
 Operator : SY/VA  
 Sample : K2246-17  
 Misc : 5.98G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 13:58:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 05 08:15:53 2019  
 Response via : Initial Calibration

Instrument :  
 MSVOA\_W  
 Client Sampled :  
 BF2Q5

Manual Integrations  
 APPROVED

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 4/8/2019 3:32:57 AM

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 330986   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 329997   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 138504   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 88789    | 20.50    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.00%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 90299    | 22.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.04%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 164731   | 17.69    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 70.76%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 99310    | 70.62    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 141.24%# |
| 24) Chloroform-d               | 7.65   | 84    | 228726   | 25.33    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.32%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 152297   | 27.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 109.88%  |
| 29) Benzene-d6                 | 8.27   | 84    | 416572   | 24.05    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 96.20%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 134118   | 25.07    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.28%  |
| 37) Toluene-d8                 | 10.32  | 98    | 367169   | 22.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.68%   |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 55402    | 21.71    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.84%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 63442    | 62.91    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 125.82%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 147593   | 29.67    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 118.68%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 135824   | 27.95    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 111.80%  |

## Target Compounds

| Target Compounds       |       |     |        |             | Qvalue |
|------------------------|-------|-----|--------|-------------|--------|
| 13) Acetone            | 4.12  | 43  | 3639   | 2.415 ug/L  | 87     |
| 16) Methylene chloride | 4.93  | 84  | 14965m | 2.564 ug/L  |        |
| 47) Tetrachloroethene  | 10.86 | 164 | 45298  | 11.069 ug/L | 96     |

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

3 M.D.  
 04/19/19