

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\

Data File : VW009423.D

Acq On : 25 Mar 2019 12:56

Operator : SY/VA

Sample : K1988-09RE

Misc : 5.22G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 08:38:25 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Tue Mar 26 07:46:05 2019

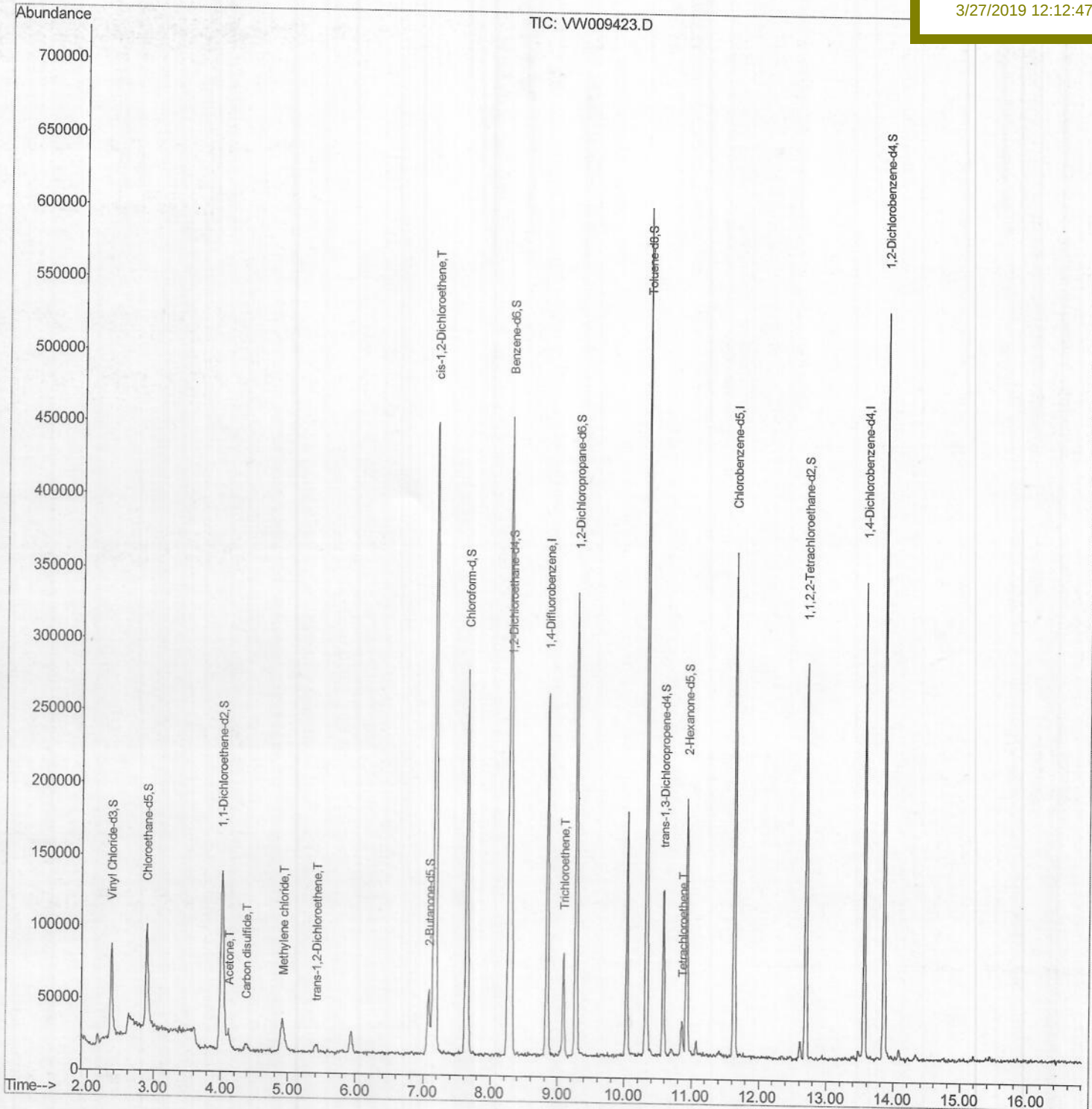
Response via : Initial Calibration

Instrument :

MSVOA\_W

ClientSampled :

BF0C0RE

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Instrument :

MSVOA\_W

ClientSampled :

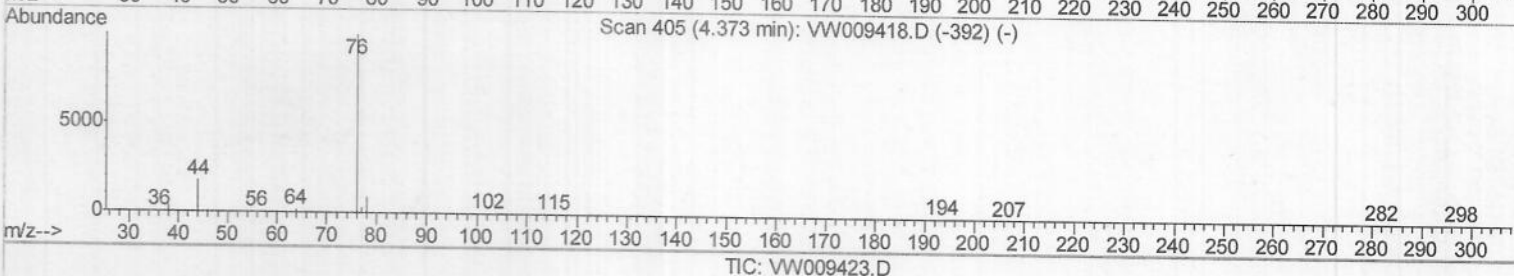
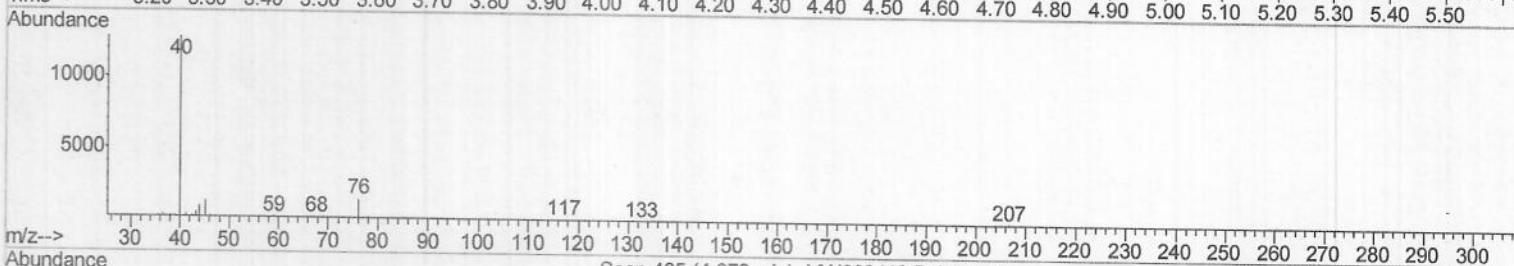
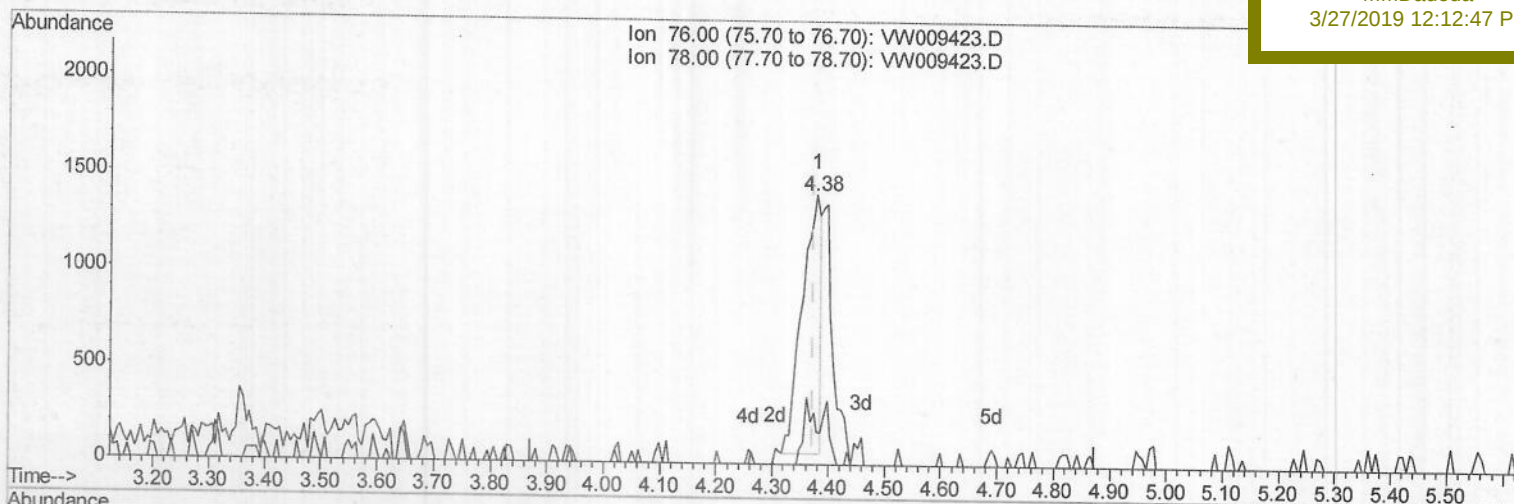
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(14) Carbon disulfide (T)

4.379min (+0.006) 0.48ug/L

response 3173

| Ion   | Exp% | Act%   |
|-------|------|--------|
| 76.00 | 100  | 100    |
| 78.00 | 9.10 | 17.46# |
| 0.00  | 0.00 | 0.00   |
| 0.00  | 0.00 | 0.00   |

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Instrument :

MSVOA\_W

ClientSampleId :

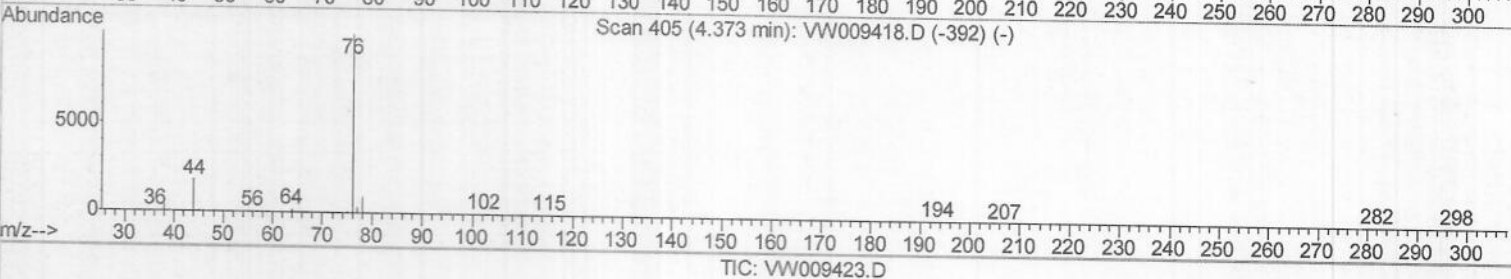
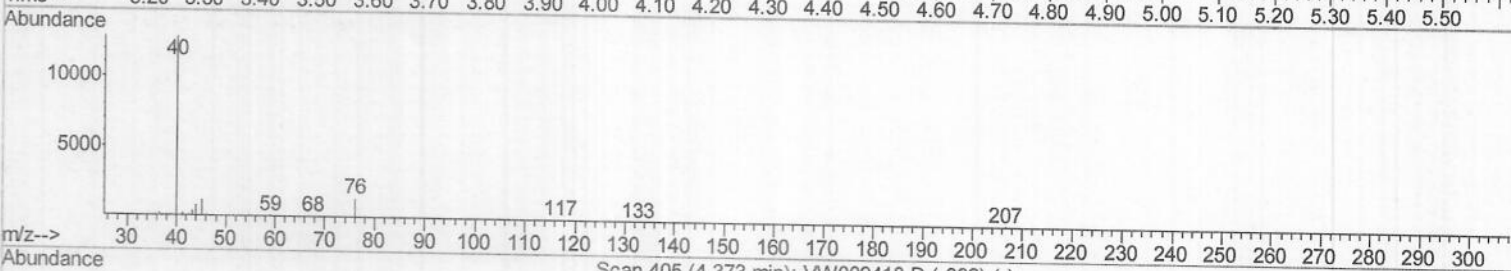
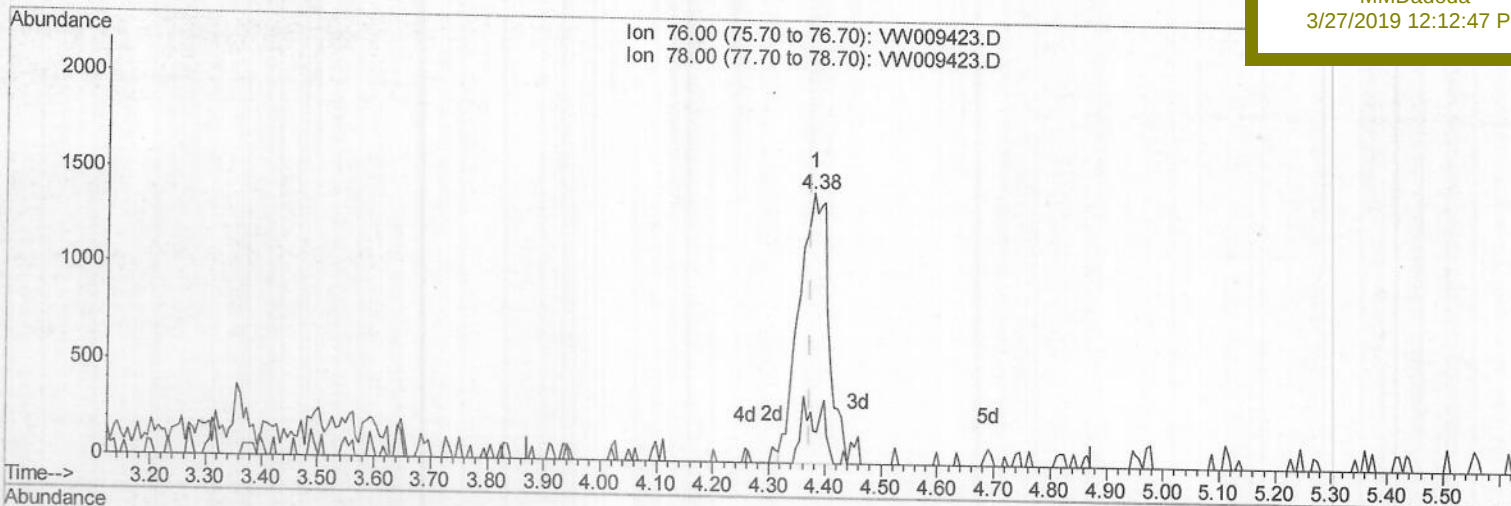
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(14) Carbon disulfide (T)

4.379min (+0.006) 0.79ug/L m

response 5191

Ion Exp% Act%

76.00 100 100

78.00 9.10 12.33#

0.00 0.00 0.00

0.00 0.00 0.00

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Operator : SY/VA

Sample : K1988-09RE

Misc : 5.22G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 07:50:58 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Tue Mar 26 07:46:05 2019

Response via : Initial Calibration

Instrument :

MSVOA\_W

ClientSampleId :

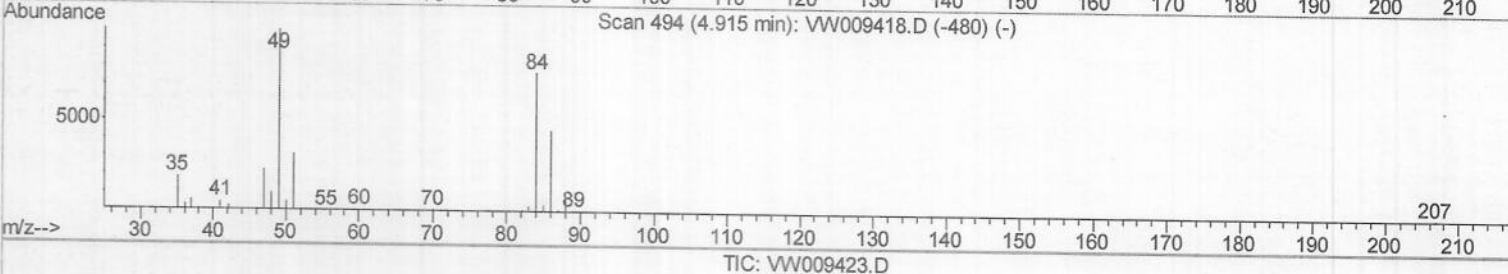
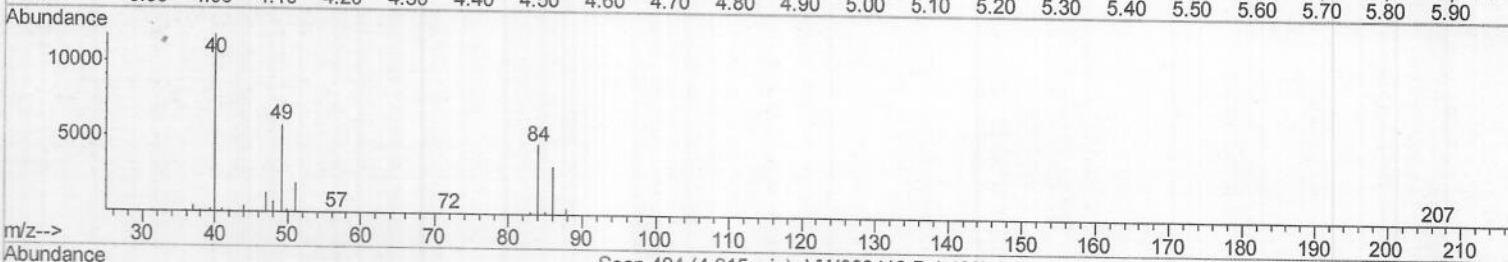
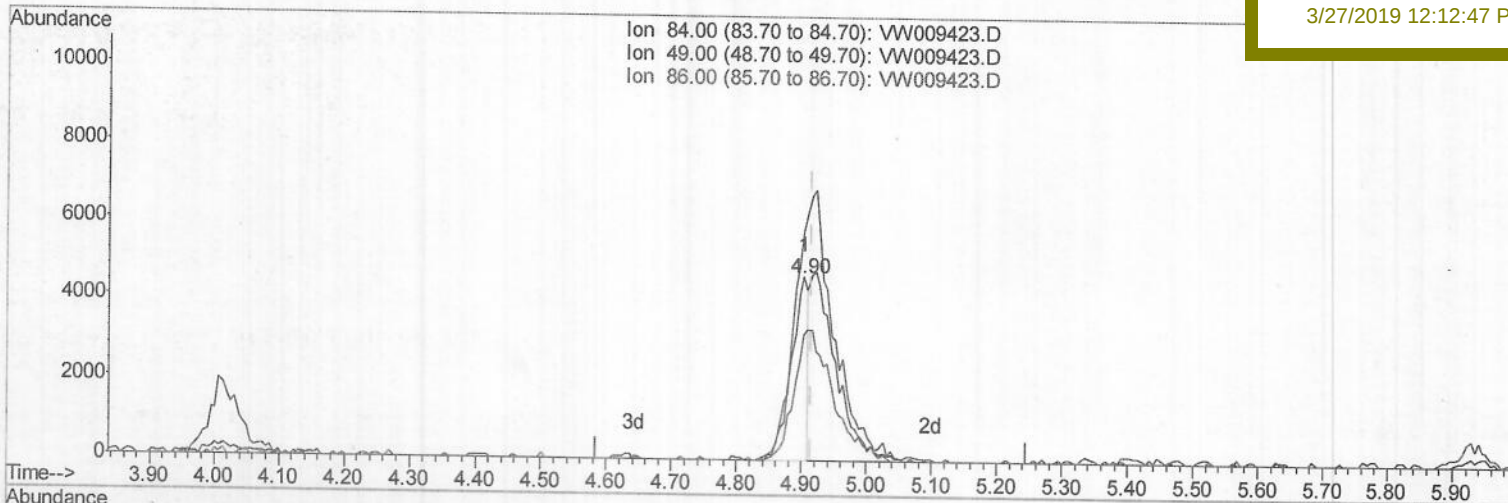
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(16) Methylene chloride (T)

4.903min (-0.012) 2.93ug/L

response 8434

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100    | 100    |
| 49.00 | 137.10 | 125.40 |
| 86.00 | 63.50  | 68.49  |
| 0.00  | 0.00   | 0.00   |

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Operator : SY/VA

Sample : K1988-09RE

Misc : 5.22G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 07:50:58 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Tue Mar 26 07:46:05 2019

Response via : Initial Calibration

Instrument :

MSVOA\_W

ClientSampleId :

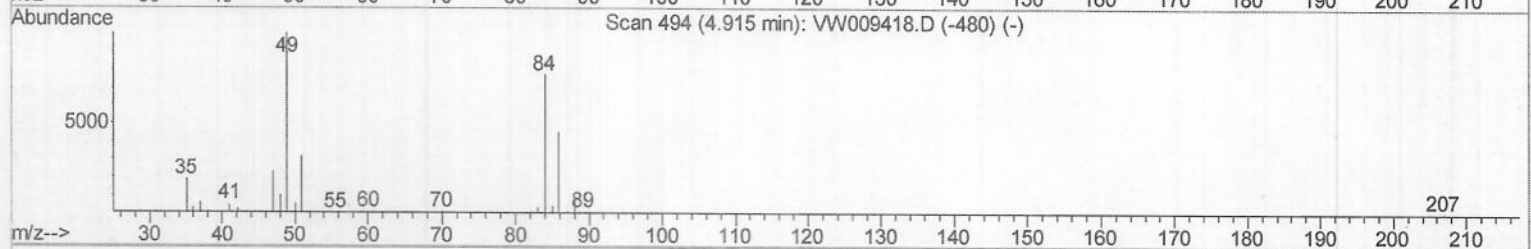
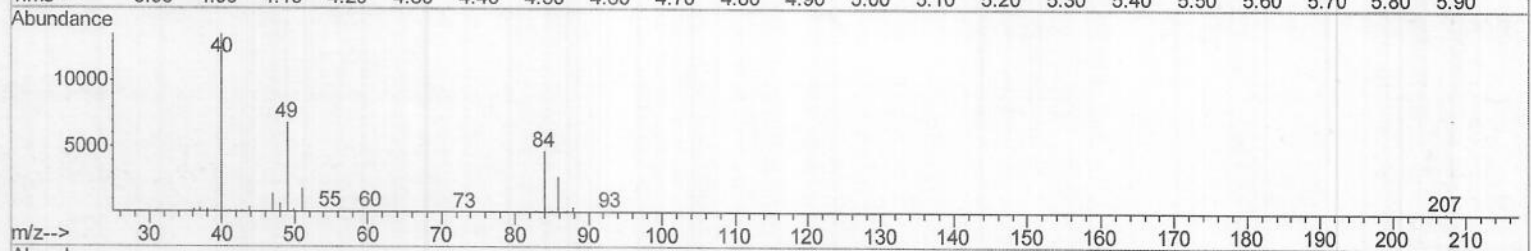
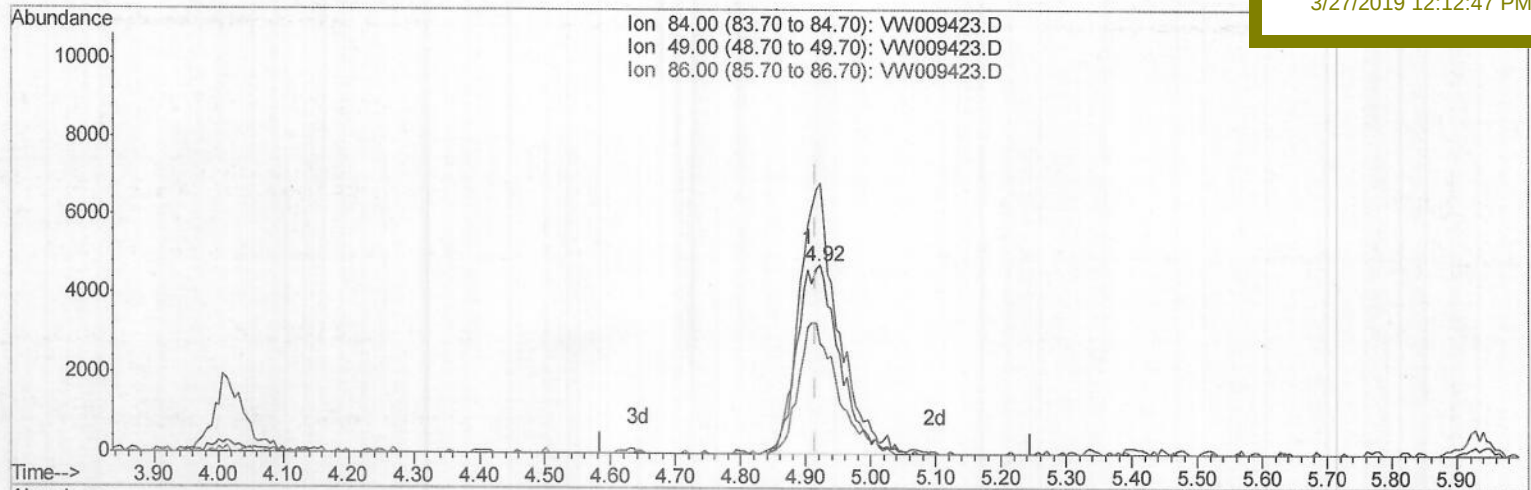
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TIC: VW009423.D

(16) Methylene chloride (T)

4.922min (+0.006) 7.41ug/L m

response 21335

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100    | 100    |
| 49.00 | 137.10 | 145.13 |
| 86.00 | 63.50  | 58.35  |
| 0.00  | 0.00   | 0.00   |

*04/02/19*  
*SY*

# Quantitation Report (Qedit)

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Acq On : 25 Mar 2019 12:56

Operator : SY/VA

Sample : K1988-09RE

Misc : 5.22G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 07:50:58 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Tue Mar 26 07:46:05 2019

Response via : Initial Calibration

Instrument :

MSVOA\_W

ClientSampled :

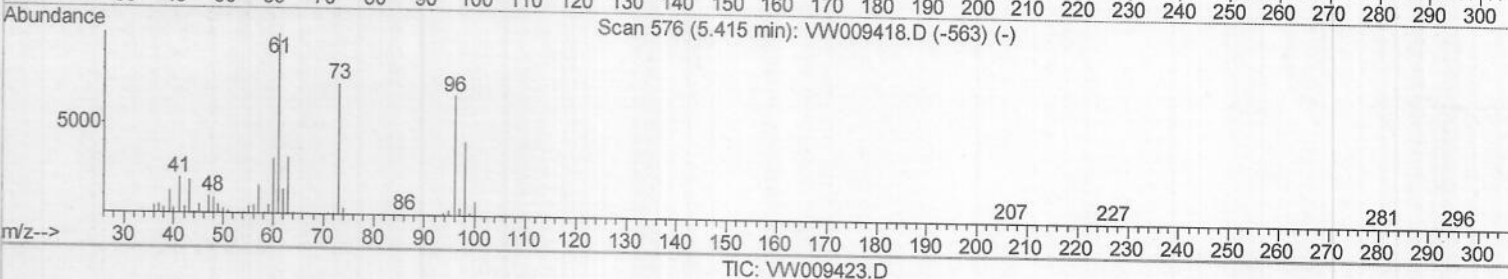
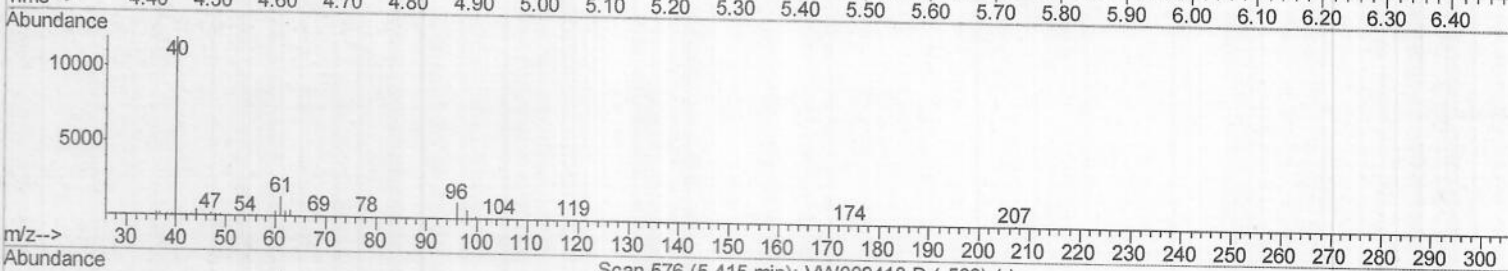
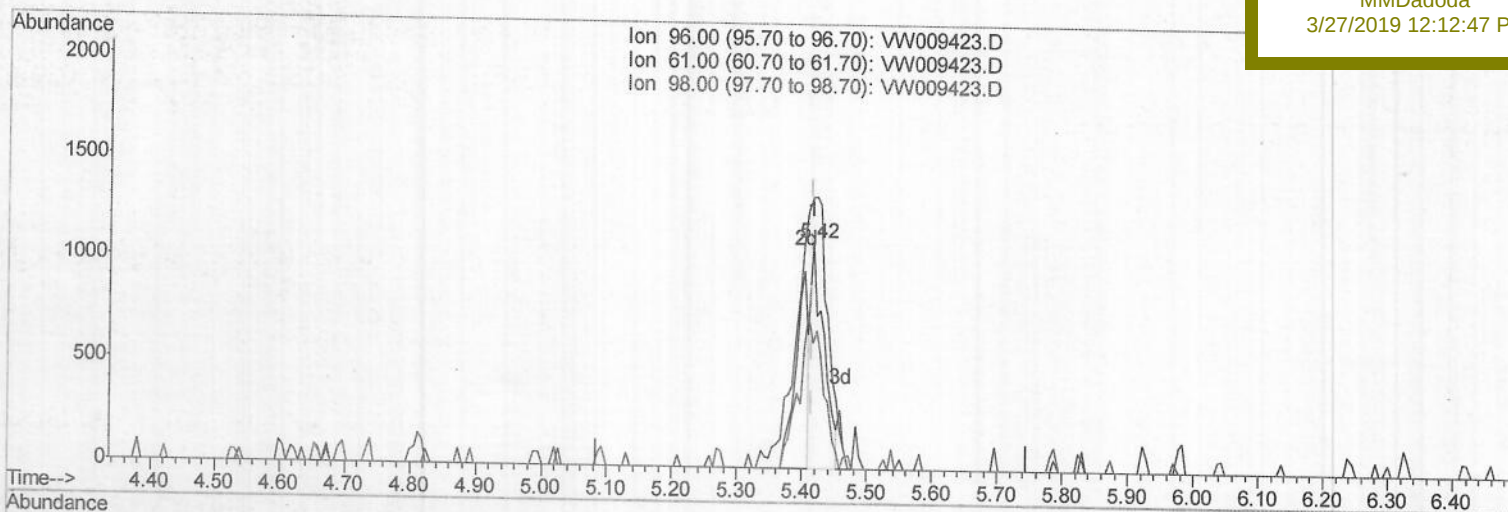
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Manual Integrations

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(18) trans-1,2-Dichloroethene (T)

5.415min (+0.000) 0.59ug/L

response 1510

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100    | 100    |
| 61.00 | 138.10 | 120.35 |
| 98.00 | 62.60  | 55.50  |
| 0.00  | 0.00   | 0.00   |

# Quantitation Report (Qedit)

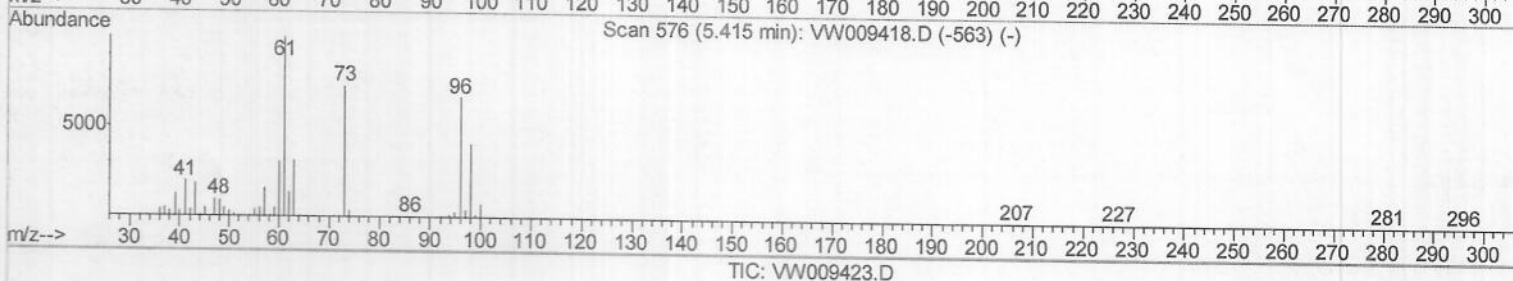
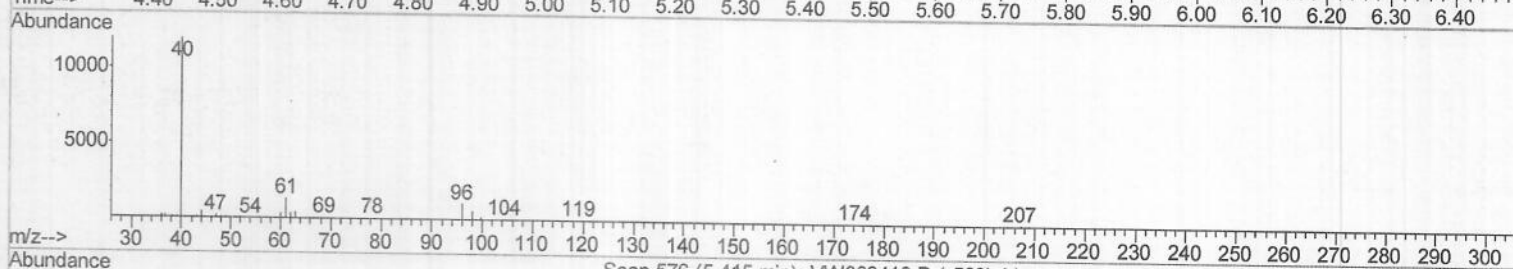
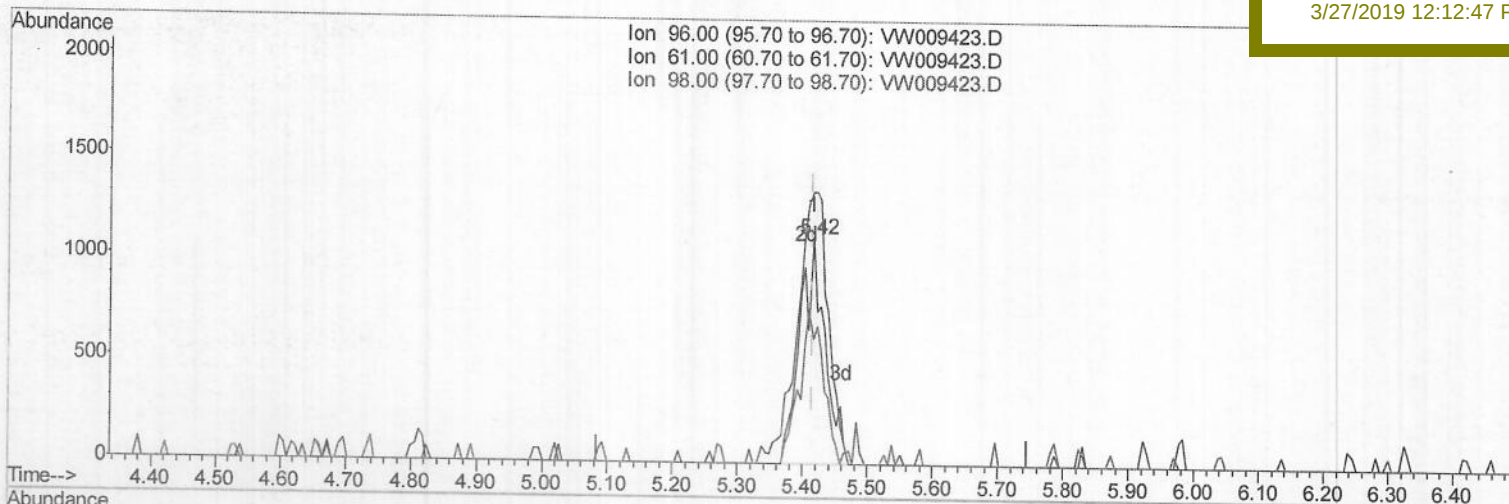
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 Acq On : 25 Mar 2019 12:56  
 Operator : SY/VA  
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 Misc : 5.22G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

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 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 26 07:46:05 2019  
 Response via : Initial Calibration

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 BF0C0RE

Manual Integrations  
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(18) trans-1,2-Dichloroethene (T)

5.415min (+0.000) 1.16ug/L m

response 2964

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100    | 100    |
| 61.00 | 138.10 | 120.35 |
| 98.00 | 62.60  | 55.50  |
| 0.00  | 0.00   | 0.00   |

SY 04/02/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\  
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 Acq On : 25 Mar 2019 12:56  
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 Sample : K1988-09RE  
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 Client Sampled :  
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| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 197522   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 187114   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 77486    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 92043    | 38.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 155.96%# |
| 7) Chloroethane-d5             | 2.89   | 69    | 96578    | 34.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 139.88%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 152413   | 29.88    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 119.52%# |
| 20) 2-Butanone-d5              | 7.08   | 46    | 74165    | 75.98    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 151.96%# |
| 24) Chloroform-d               | 7.64   | 84    | 239356   | 44.40    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 177.60%# |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 139871   | 43.07    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 172.28%# |
| 29) Benzene-d6                 | 8.27   | 84    | 427120   | 41.39    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 165.56%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 134187   | 43.29    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 173.16%# |
| 37) Toluene-d8                 | 10.32  | 98    | 365130   | 38.27    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 153.08%# |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 57598    | 37.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 148.00%# |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 52837    | 70.39    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 140.78%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 120472   | 39.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 157.88%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 130864   | 44.04    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 176.16%# |

## Target Compounds

| Target Compounds             | R.T.  | QIon | Response | Conc   | Units | Ovalue |
|------------------------------|-------|------|----------|--------|-------|--------|
| 13) Acetone                  | 4.12  | 43   | 17569    | 21.947 | ug/L  | 96     |
| 14) Carbon disulfide         | 4.38  | 76   | 5191m    | 0.793  | ug/L  | 96     |
| 16) Methylene chloride       | 4.92  | 84   | 21335m   | 7.407  | ug/L  | 96     |
| 18) trans-1,2-Dichloroethene | 5.42  | 96   | 2964m    | 1.159  | ug/L  | 98     |
| 22) cis-1,2-Dichloroethene   | 7.17  | 96   | 248977   | 89.875 | ug/L  | 98     |
| 35) Trichloroethene          | 9.09  | 95   | 20820    | 7.629  | ug/L  | 96     |
| 47) Tetrachloroethene        | 10.86 | 164  | 4227     | 1.833  | ug/L  | 89     |

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

SY  
 4/1/19