

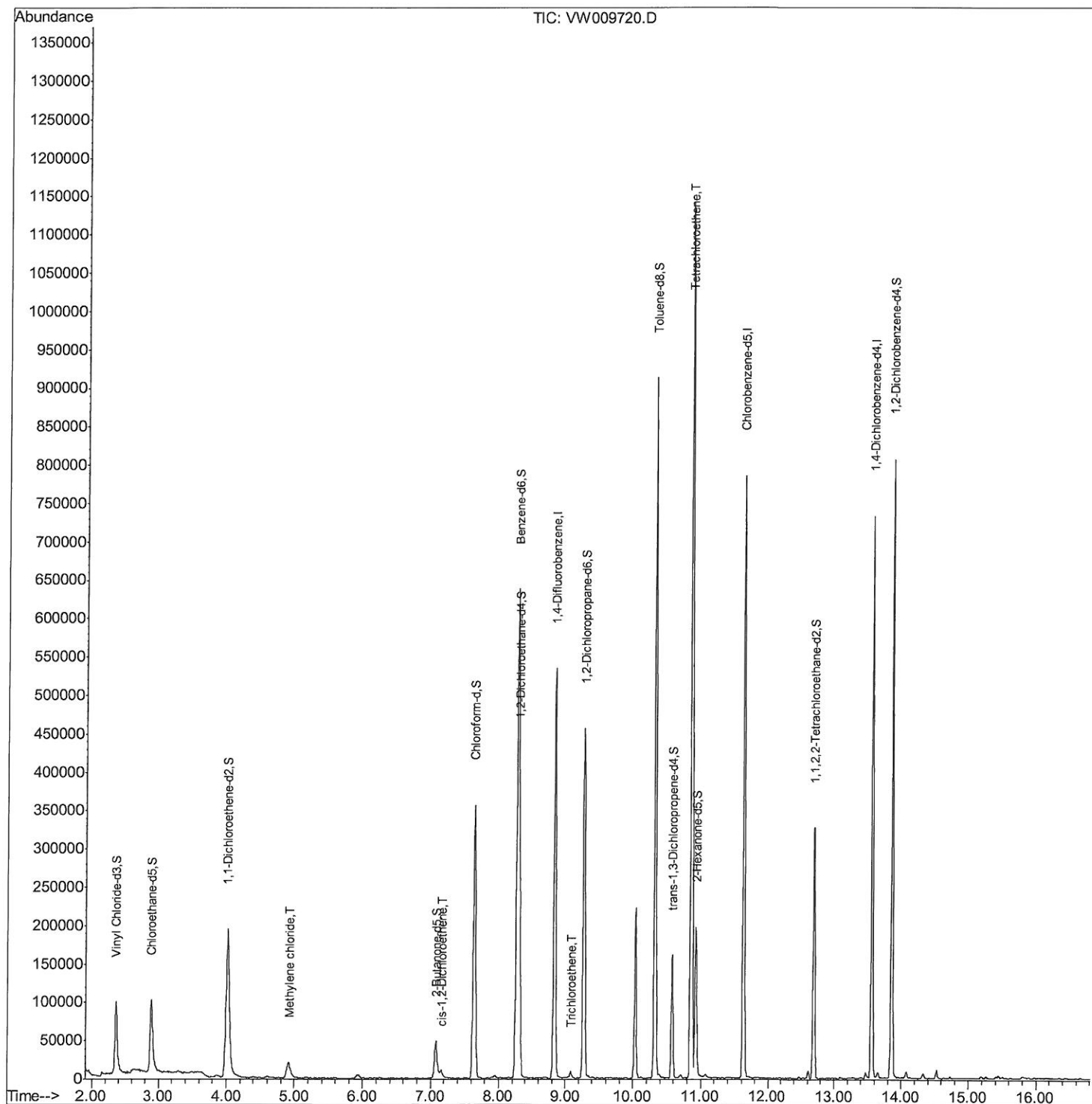
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040519\  
Data File : VW009720.D  
Acq On : 05 Apr 2019 08:53  
Operator : SY/VA  
Sample : K2276-18  
Misc : 5.77G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF145

Manual Integrations  
APPROVED

MMDadoda  
4/8/2019 3:32:54 AM

Quant Time: Apr 05 09:28:35 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



## Quantitation Report (Qedit)

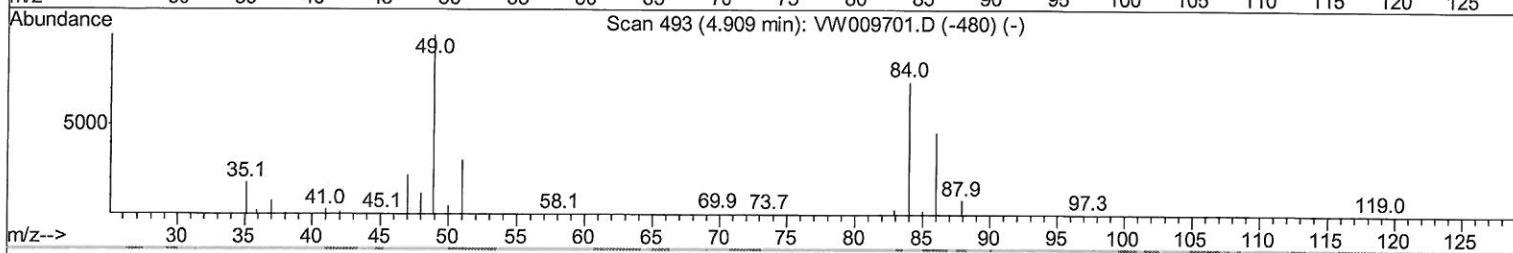
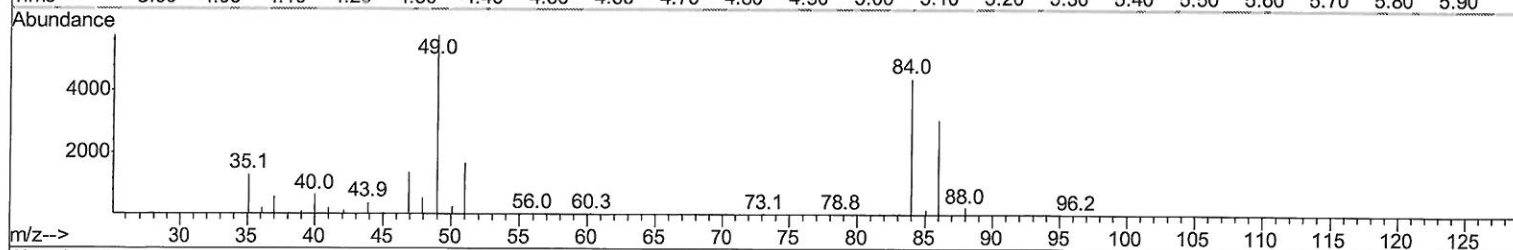
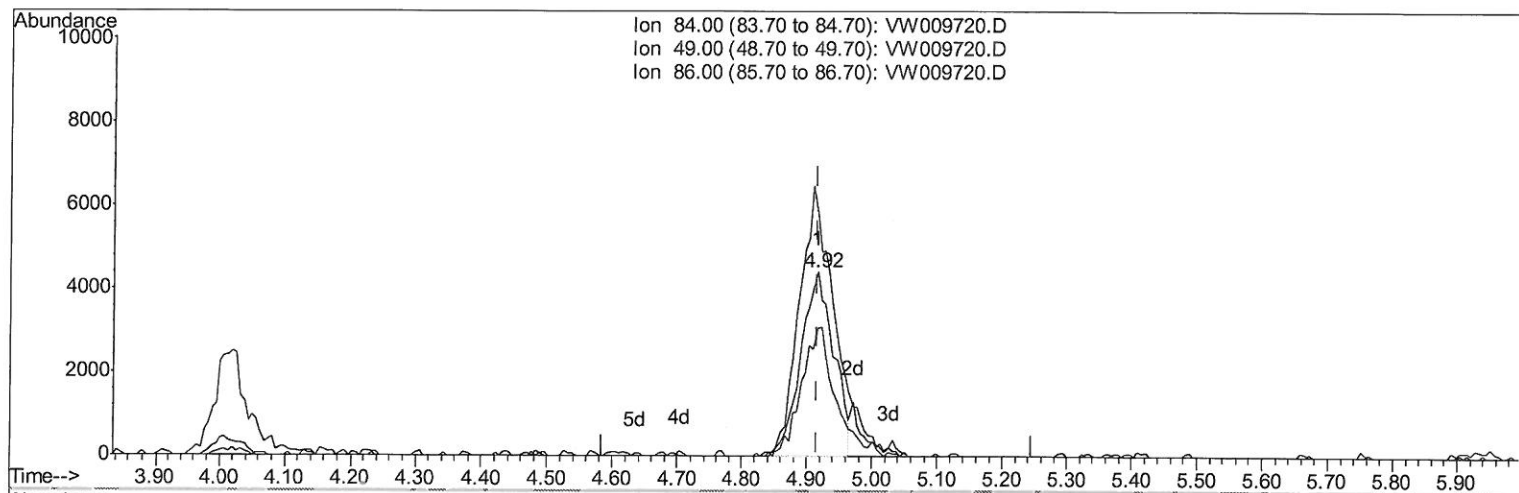
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040519\  
Data File : VW009720.D  
Acq On : 05 Apr 2019 08:53  
Operator : SY/VA  
Sample : K2276-18  
Misc : 5.77G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF145

Manual Integrations  
APPROVED

MMDadoda  
4/8/2019 3:32:54 AM

Quant Time: Apr 05 09:23:15 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



TIC: VW009720.D

(16) Methylene chloride (T)

4.915min (+0.000) 2.13ug/L

response 15431

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100    | 100    |
| 49.00 | 140.40 | 130.86 |
| 86.00 | 66.30  | 69.46  |
| 0.00  | 0.00   | 0.00   |

## Quantitation Report (Qedit)

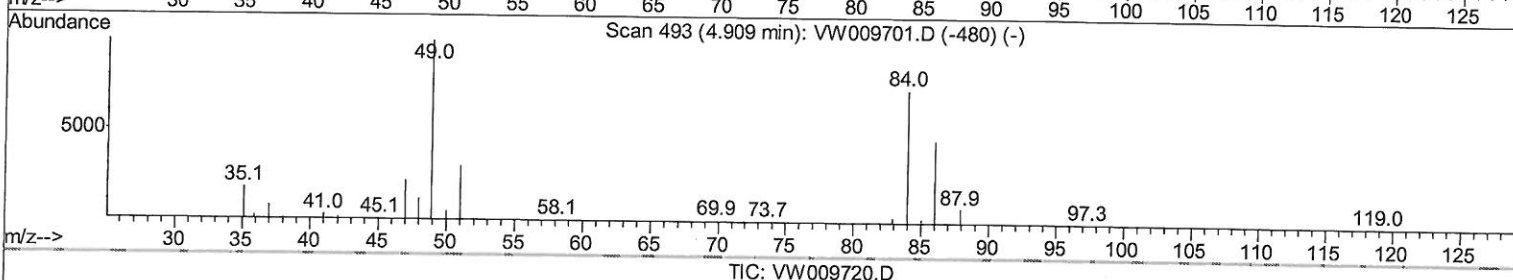
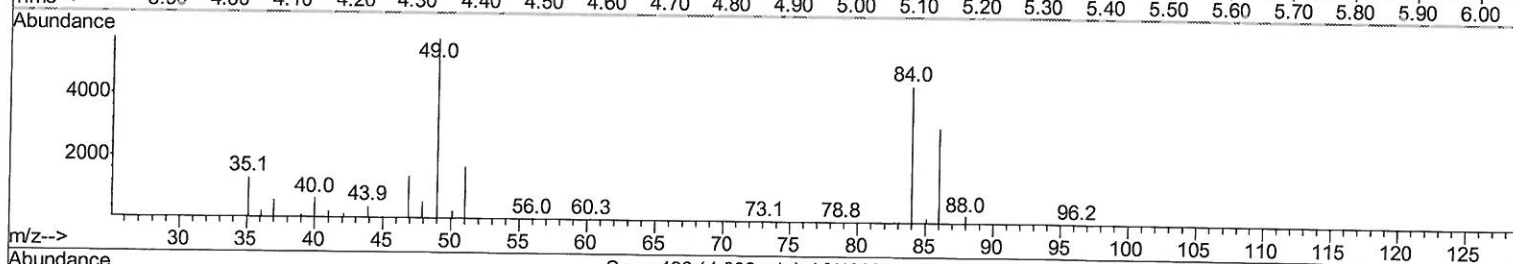
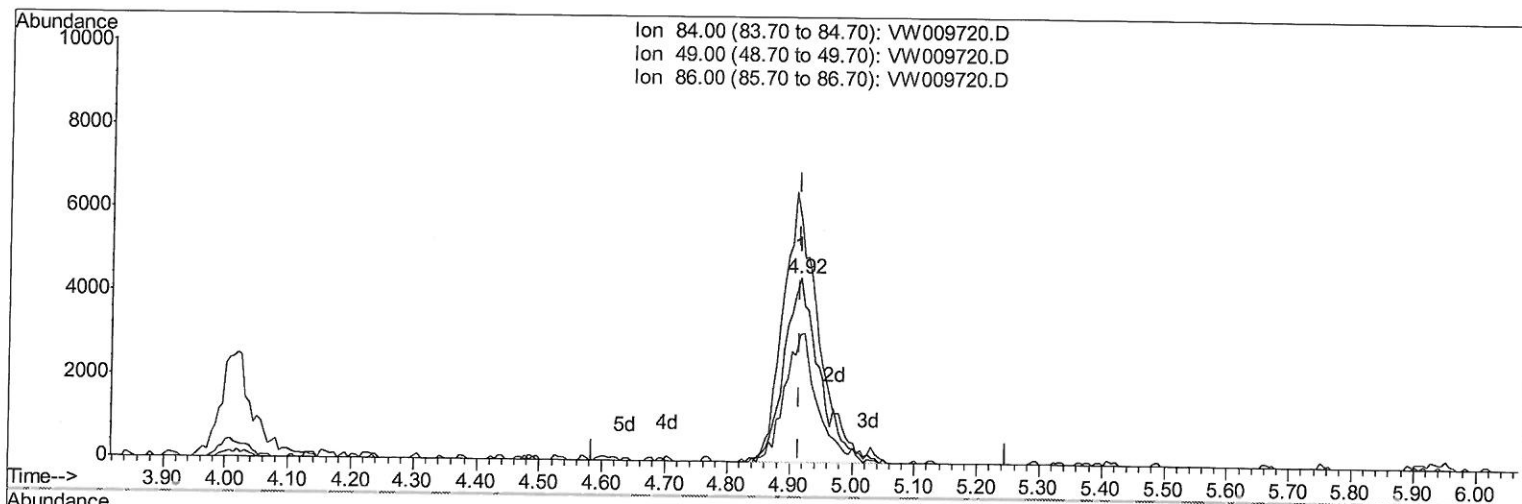
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040519\  
Data File : VW009720.D  
Acq On : 05 Apr 2019 08:53  
Operator : SY/VA  
Sample : K2276-18  
Misc : 5.77G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF145

Manual Integrations  
APPROVED

MMDadoda  
4/8/2019 3:32:54 AM

Quant Time: Apr 05 09:23:15 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



TIC: VW009720.D

(16) Methylene chloride (T)

4.915min (+0.000) 2.37ug/L m

response 17173

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100    | 100    |
| 49.00 | 140.40 | 130.86 |
| 86.00 | 66.30  | 69.46  |
| 0.00  | 0.00   | 0.00   |

>MR  
4/8/19

# Quantitation Report (Qedit)

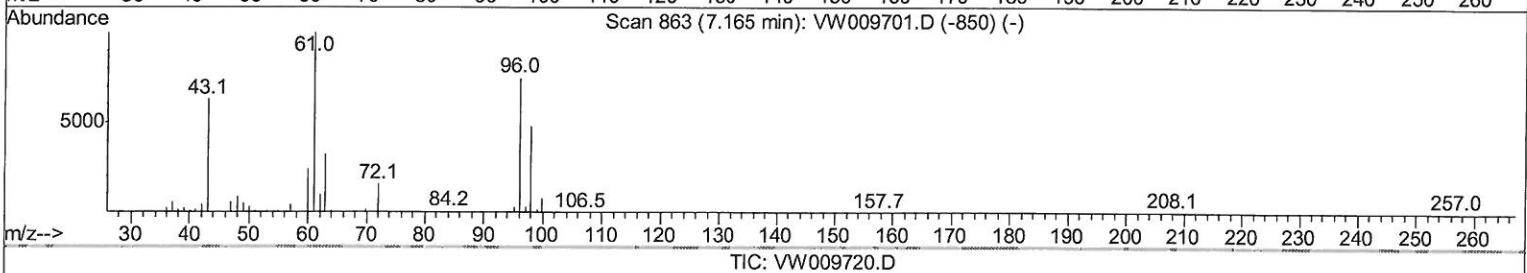
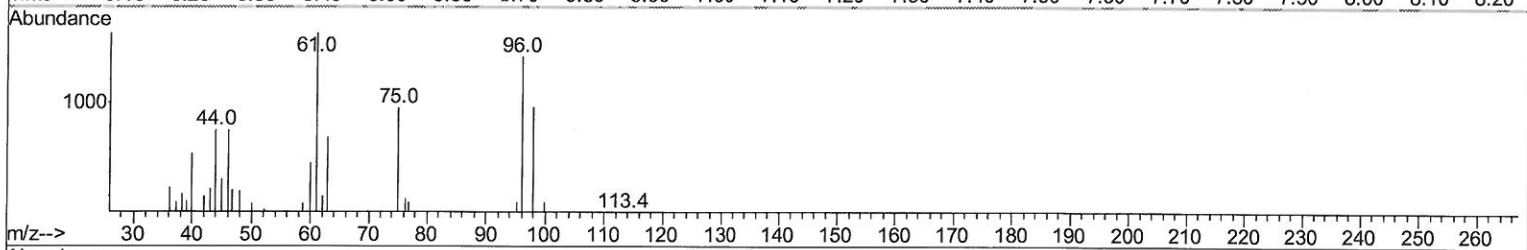
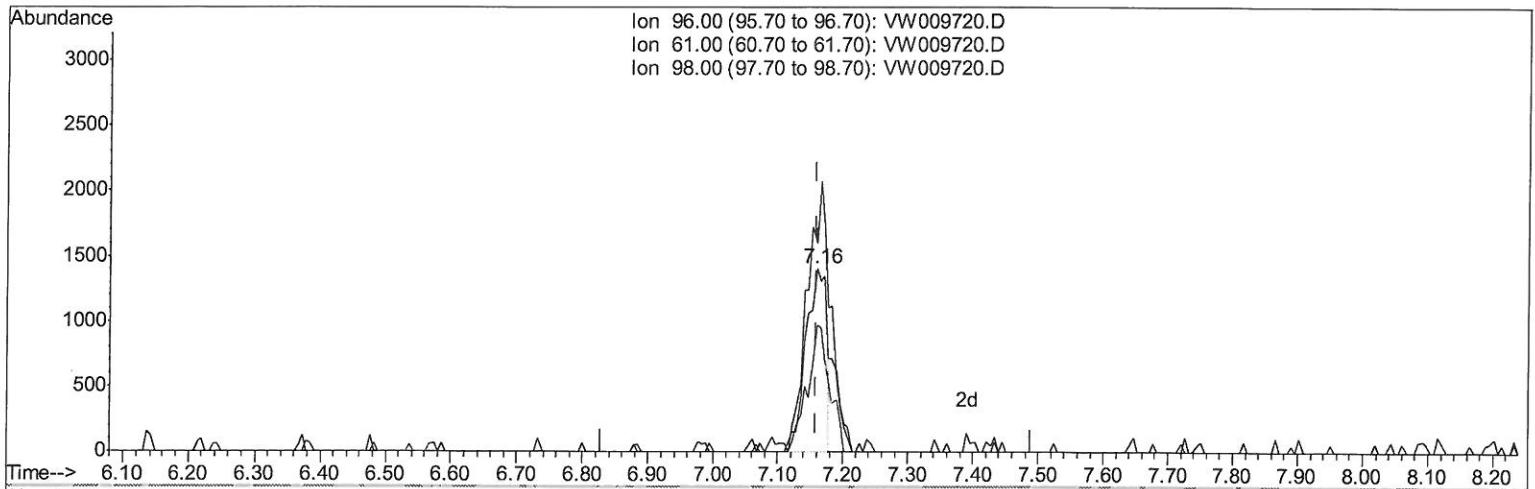
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040519\  
 Data File : VW009720.D  
 Acq On : 05 Apr 2019 08:53  
 Operator : SY/VA  
 Sample : K2276-18  
 Misc : 5.77G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF145

Manual Integrations  
 APPROVED

MMDadoda  
 4/8/2019 3:32:54 AM

Quant Time: Apr 05 09:23:15 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



(22) cis-1,2-Dichloroethene (T)

7.159min (+0.000) 0.52ug/L

response 3134

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100    | 100    |
| 61.00 | 138.30 | 114.12 |
| 98.00 | 62.20  | 68.97  |
| 0.00  | 0.00   | 0.00   |



# Quantitation Report (Qedit)

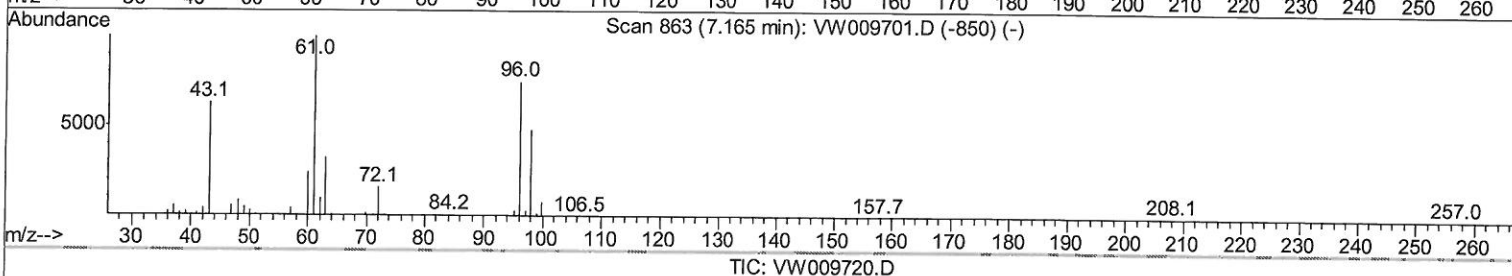
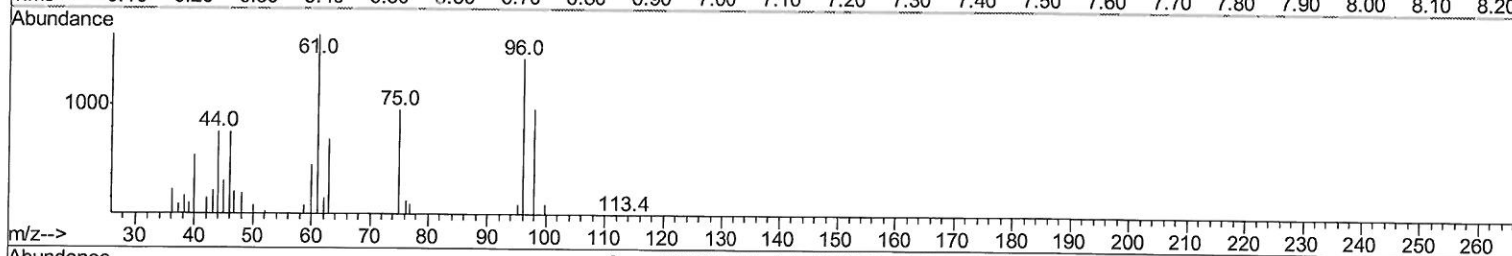
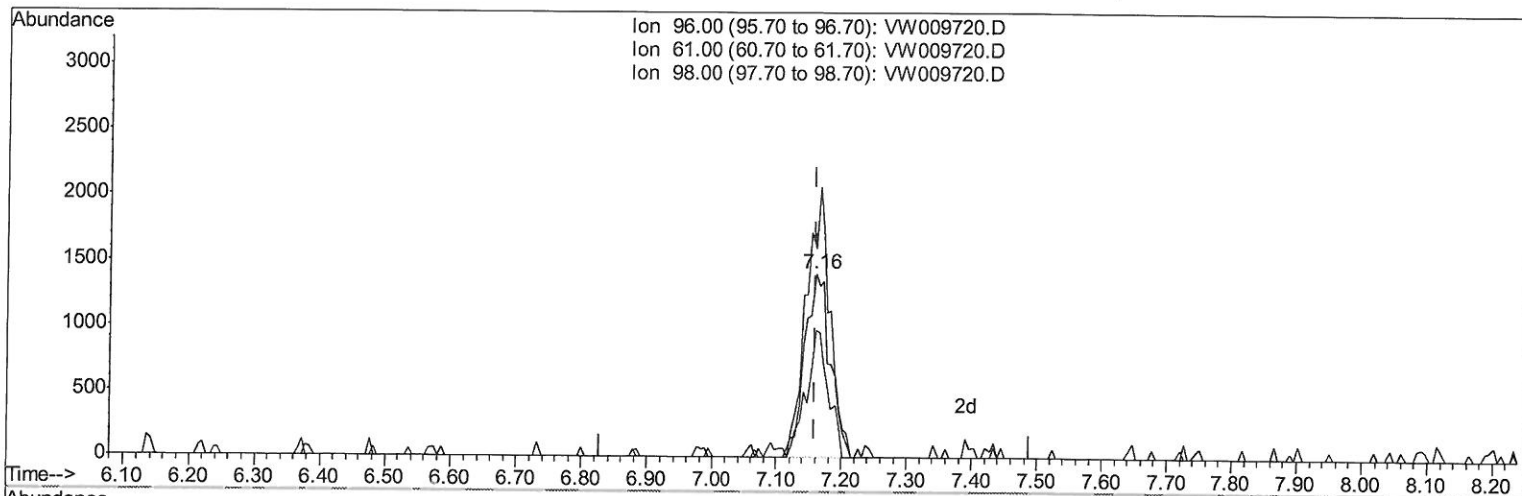
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040519\  
 Data File : VW009720.D  
 Acq On : 05 Apr 2019 08:53  
 Operator : SY/VA  
 Sample : K2276-18  
 Misc : 5.77G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF145

Manual Integrations  
 APPROVED

MMDadoda  
 4/8/2019 3:32:54 AM

Quant Time: Apr 05 09:23:15 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



(22) cis-1,2-Dichloroethene (T)

7.159min (+0.000) 0.64ug/L m

response 3895

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100    | 100    |
| 61.00 | 138.30 | 114.12 |
| 98.00 | 62.20  | 68.97  |
| 0.00  | 0.00   | 0.00   |

*Handwritten:* > MO  
 4/8/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV040519\  
 Data File : WV009720.D  
 Acq On : 05 Apr 2019 08:53  
 Operator : SY/VA  
 Sample : K2276-18  
 Misc : 5.77G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 BF145

Manual Integrations  
 APPROVED

MMDadoda  
 4/8/2019 3:32:54 AM

Quant Time: Apr 05 09:28:35 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

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 410585   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 409244   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 170422   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |                |     |            |          |      |      |
|--------------------------------|----------------|-----|------------|----------|------|------|
| 4) Vinyl Chloride-d3           | 2.36           | 65  | 138141     | 25.71    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 102.84%  |      |      |
| 7) Chloroethane-d5             | 2.89           | 69  | 137292     | 27.89    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 111.56%  |      |      |
| 10) 1,1-Dichloroethene-d2      | 4.01           | 63  | 239081     | 20.69    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 110 |     | Recovery = | 82.76%   |      |      |
| 20) 2-Butanone-d5              | 7.07           | 46  | 82401      | 47.24    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 94.48%   |      |      |
| 24) Chloroform-d               | 7.65           | 84  | 329331     | 29.40    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 40 - 150 |     | Recovery = | 117.60%  |      |      |
| 26) 1,2-Dichloroethane-d4      | 8.30           | 65  | 202692     | 29.47    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 130 |     | Recovery = | 117.88%  |      |      |
| 29) Benzene-d6                 | 8.27           | 84  | 616235     | 28.68    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 20 - 135 |     | Recovery = | 114.72%  |      |      |
| 33) 1,2-Dichloropropane-d6     | 9.27           | 67  | 195276     | 29.43    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 120 |     | Recovery = | 117.72%  |      |      |
| 37) Toluene-d8                 | 10.32          | 98  | 561682     | 28.28    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 130 |     | Recovery = | 113.12%  |      |      |
| 38) trans-1,3-Dichloropropene- | 10.58          | 79  | 79024      | 24.97    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 135 |     | Recovery = | 99.88%   |      |      |
| 39) 2-Hexanone-d5              | 10.93          | 63  | 53816      | 43.03    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 86.06%   |      |      |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69          | 84  | 151878     | 24.62    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 120 |     | Recovery = | 98.48%   |      |      |
| 61) 1,2-Dichlorobenzene-d4     | 13.86          | 152 | 194367     | 32.50    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 75 - 120 |     | Recovery = | 130.00%# |      |      |

## Target Compounds

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Ovalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 16) Methylene chloride     | 4.92  | 84   | 17173m   | 2.372  | ug/L  | 94     |
| 22) cis-1,2-Dichloroethene | 7.16  | 96   | 3895m    | 0.642  | ug/L  | 94     |
| 35) Trichloroethene        | 9.09  | 95   | 1941     | 0.301  | ug/L  | 94     |
| 47) Tetrachloroethene      | 10.86 | 164  | 229500   | 45.221 | ug/L  | 99     |

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