

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040519\  
 Data File : VW009716.D  
 Acq On : 05 Apr 2019 07:04  
 Operator : SY/VA  
 Sample : K2276-14  
 Misc : 5.42G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF141

Manual Integrations  
 APPROVED

MMDadoda  
 4/8/2019 3:32:50 AM

Quant Time: Apr 22 00:54:13 2019

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

Quant Title : VOC Analysis

QLast Update : Fri Apr 05 05:32:00 2019

Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 311337   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 321561   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 138305   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 90148    | 22.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.52%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 85951    | 23.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.12%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 155883   | 17.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.16%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 75428    | 57.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 114.04% |
| 24) Chloroform-d               | 7.64   | 84    | 219497   | 25.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.36% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 146777   | 28.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 112.56% |
| 29) Benzene-d6                 | 8.27   | 84    | 405415   | 24.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 96.08%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 130987   | 25.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.48% |
| 37) Toluene-d8                 | 10.32  | 98    | 356079   | 22.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.24%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 54968    | 22.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 88.44%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 49728    | 50.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 101.20% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 124005   | 25.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 102.32% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 131245   | 27.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 108.16% |

#### Target Compounds

|                            |       |     |        |        | Ovalue |    |
|----------------------------|-------|-----|--------|--------|--------|----|
| 13) Acetone                | 4.11  | 43  | 4119m  | 2.906  | ug/L   |    |
| 16) Methylene chloride     | 4.92  | 84  | 10414m | 1.897  | ug/L   |    |
| 22) cis-1,2-Dichloroethene | 7.17  | 96  | 5473   | 1.190  | ug/L   | 95 |
| 35) Trichloroethene        | 9.09  | 95  | 18542  | 3.662  | ug/L   | 97 |
| 47) Tetrachloroethene      | 10.86 | 164 | 200426 | 50.261 | ug/L   | 98 |

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

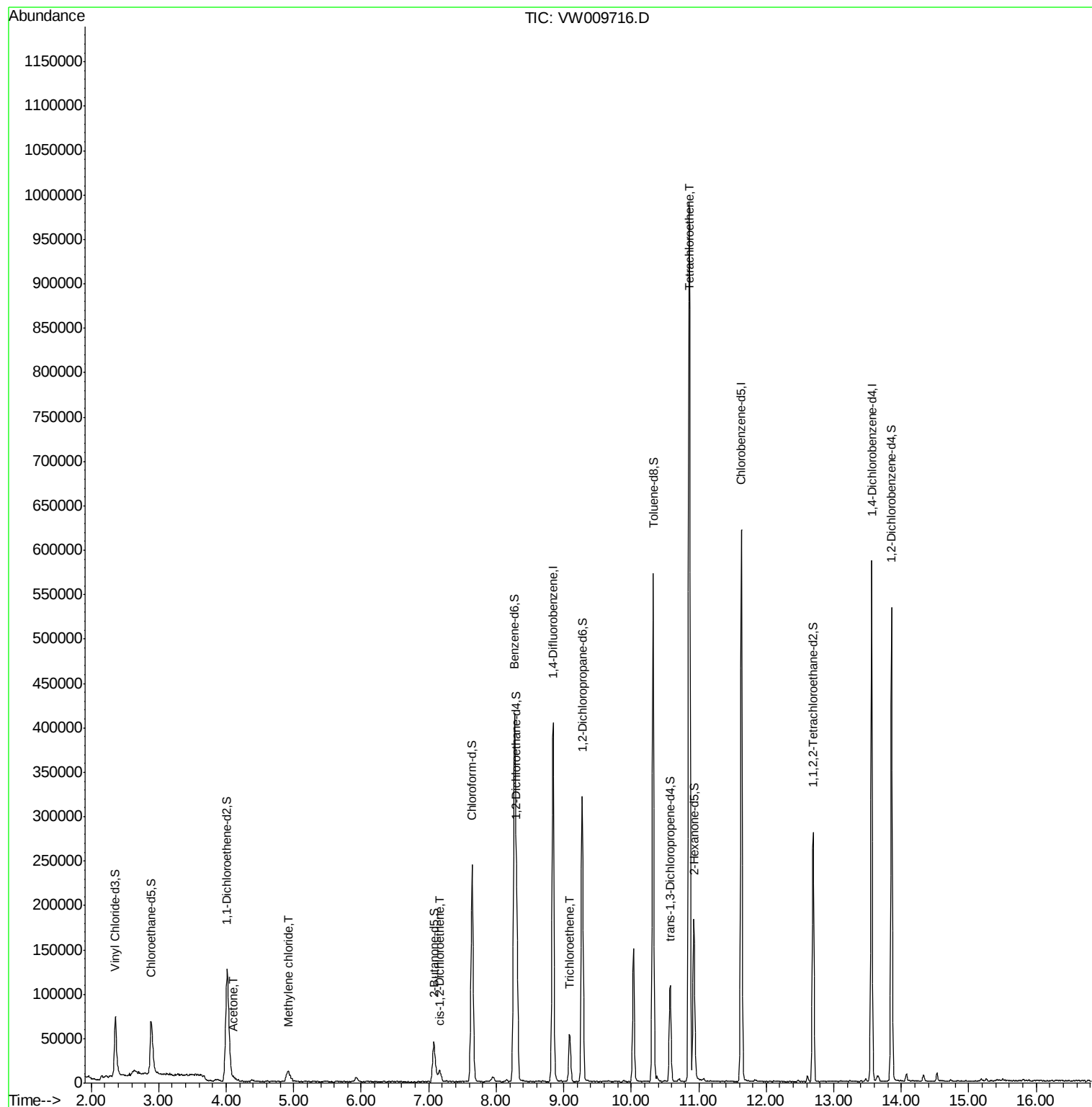
Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040519\  
Data File : VW009716.D  
Acq On : 05 Apr 2019 07:04  
Operator : SY/VA  
Sample : K2276-14  
Misc : 5.42G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

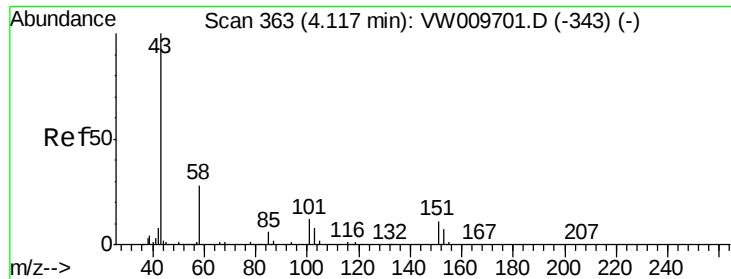
Instrument :  
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Quant Time: Apr 22 00:54:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Apr 05 05:32:00 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 2.906 ug/L m

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW009716.D

Acq: 05 Apr 2019 07:04

Instrument :

MSVOA\_W

ClientSampled :

BF141

Tot Ion: 43 Resp: 4119

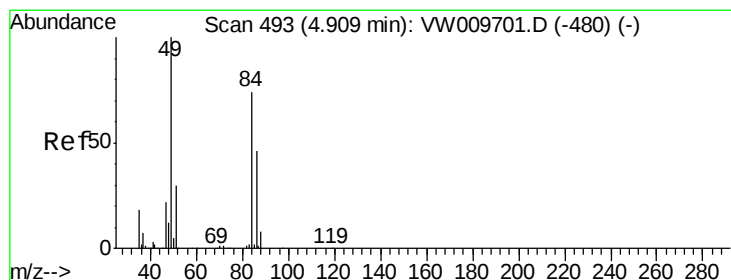
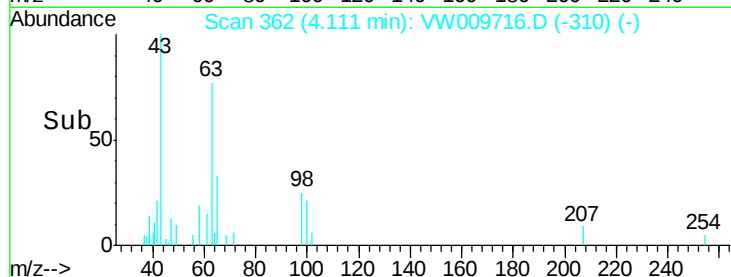
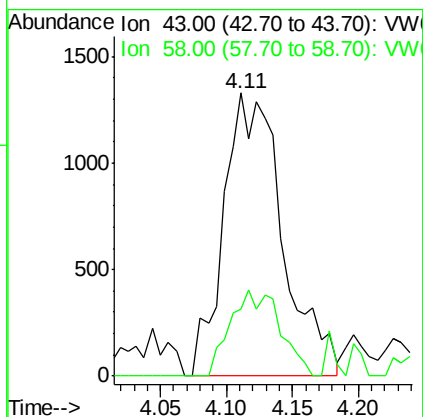
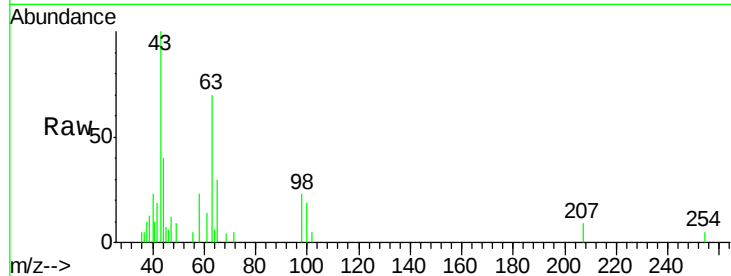
Ion Ratio Lower Upper

43 100

58 14.5 0.0 53.0

Manual Integrations  
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4/8/2019 3:32:50 AM



#16

Methylene chloride

Concen: 1.897 ug/L m

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009716.D

Acq: 05 Apr 2019 07:04

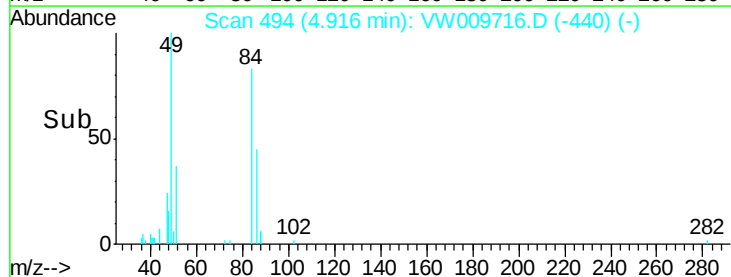
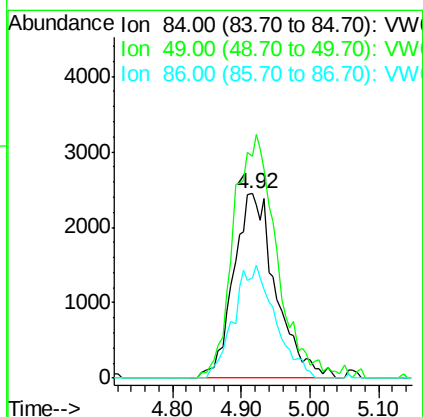
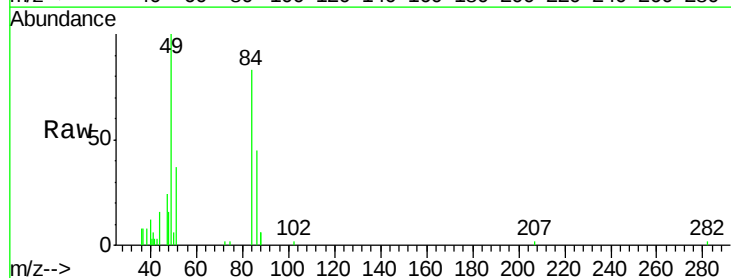
Tgt Ion: 84 Resp: 10414

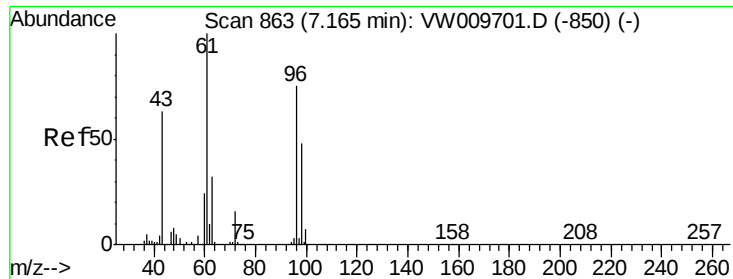
Ion Ratio Lower Upper

84 100

49 120.4 98.3 182.5

86 54.7 46.4 86.2





#22

cis-1,2-Dichloroethene

Concen: 1.190 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW009716.D

Acq: 05 Apr 2019 07:04

Instrument :

MSVOA\_W

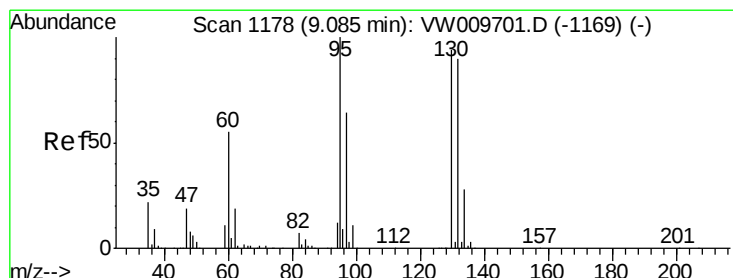
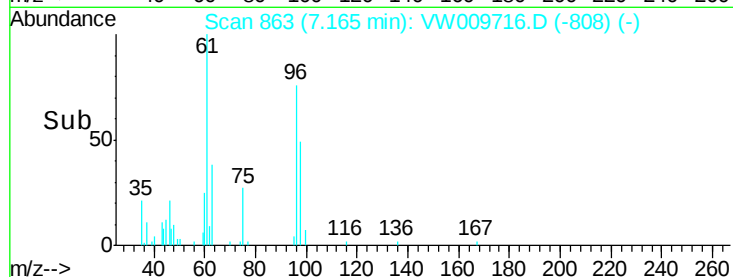
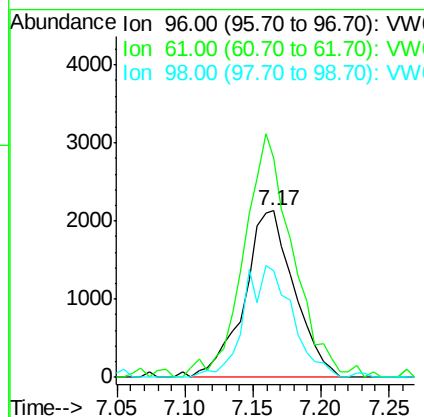
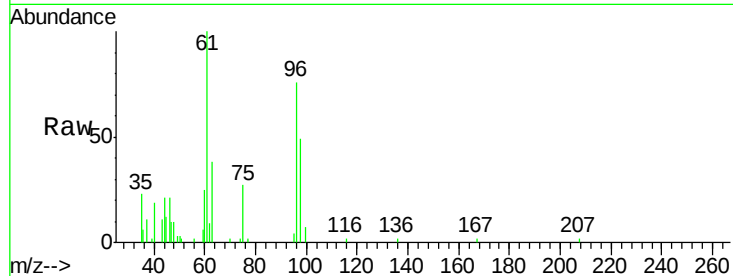
ClientSampleId :

BF141

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 5473  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 131.6 | 96.8  | 179.8 |
| 98       | 64.1  | 43.5  | 80.9  |

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#35

Trichloroethene

Concen: 3.662 ug/L

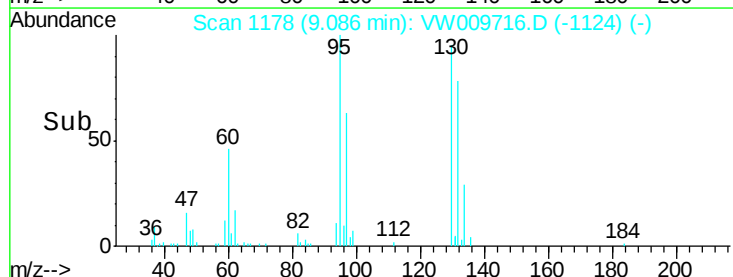
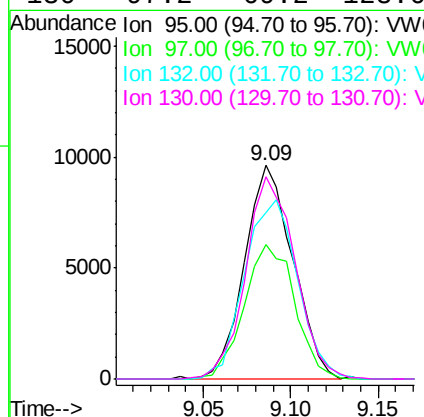
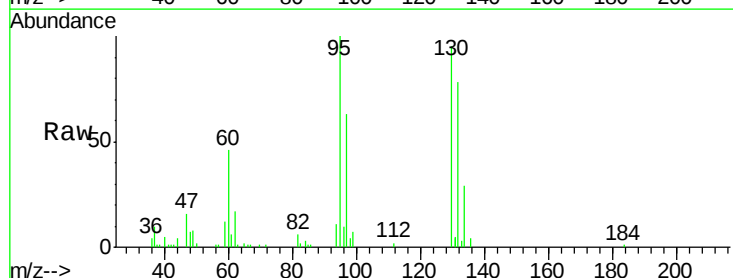
RT: 9.09 min Scan# 1178

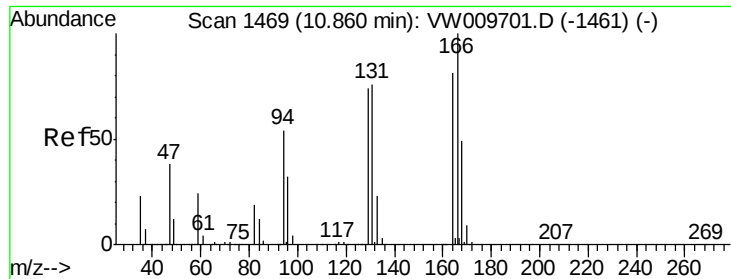
Delta R.T. 0.00 min

Lab File: VW009716.D

Acq: 05 Apr 2019 07:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 18542 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 65.8  | 44.9  | 83.5  |
| 132      | 92.3  | 67.1  | 124.7 |
| 130      | 97.2  | 69.2  | 128.6 |





#47

Tetrachloroethene

Concen: 50.261 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009716.D

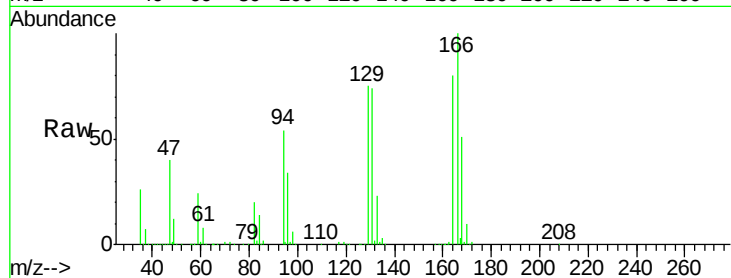
Acq: 05 Apr 2019 07:04

Instrument :

MSVOA\_W

ClientSampleId :

BF141



Tot Ion:164 Resp: 200426

Ion Ratio Lower Upper

164 100

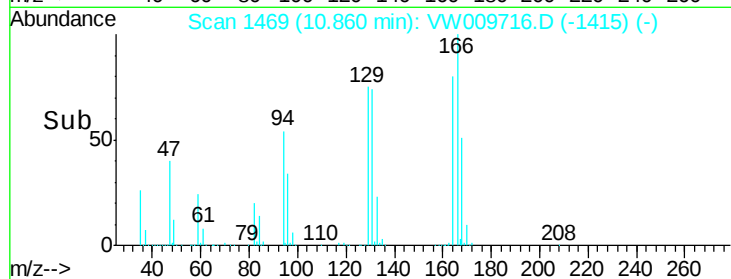
129 94.0 68.9 127.9

131 92.5 63.1 117.1

166 125.5 88.5 164.4

Manual Integrations  
APPROVED

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4/8/2019 3:32:50 AM



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

