

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073120\  
 Data File : VW016022.D  
 Acq On : 31 Jul 2020 13:38  
 Operator : SY/VA  
 Sample : L3395-22  
 Misc : 5.05G/10ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VHBLK02

Quant Time: Aug 01 02:49:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 01 02:48:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 402419   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 380402   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 168554   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 91436    | 16.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.40%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 89648    | 19.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.76%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 160344   | 13.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 55.88%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 86136    | 57.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 115.50% |
| 24) Chloroform-d               | 7.65   | 84    | 239336   | 21.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 84.72%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 131909   | 21.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 85.04%  |
| 29) Benzene-d6                 | 8.27   | 84    | 468495   | 20.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 80.92%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 150119   | 21.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 86.52%  |
| 37) Toluene-d8                 | 10.33  | 98    | 405439   | 19.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 77.32%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 55860    | 18.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 75.52%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 64652    | 55.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 111.88% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 138403   | 25.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 103.76% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 145712   | 22.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.68%  |

## Target Compounds

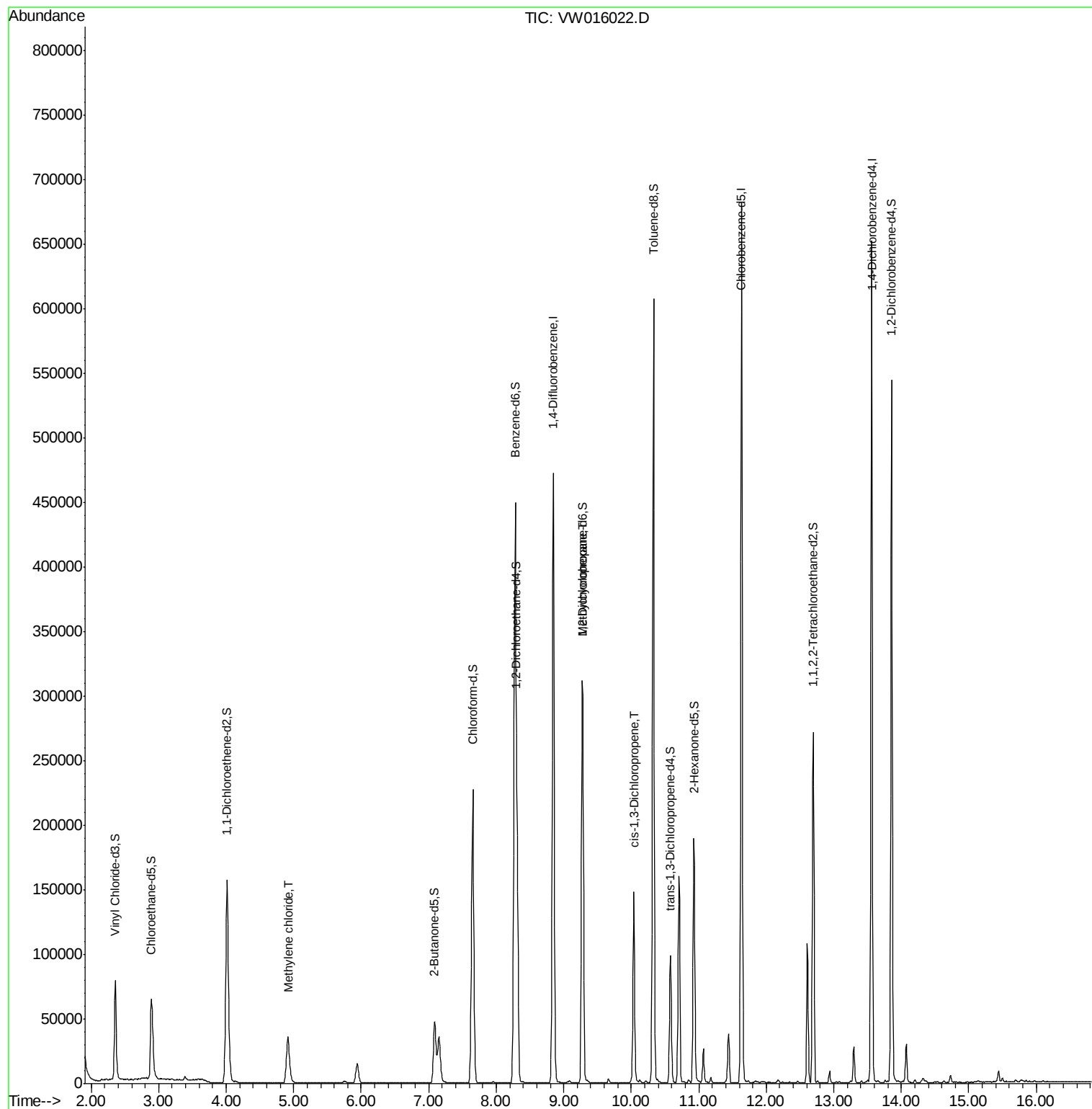
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 4.92  | 84 | 27962 | 4.240 ug/L   | 89     |
| 36) Methylcyclohexane       | 9.27  | 83 | 35907 | 3.424 ug/L # | 18     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 3911  | 0.449 ug/L # | 77     |

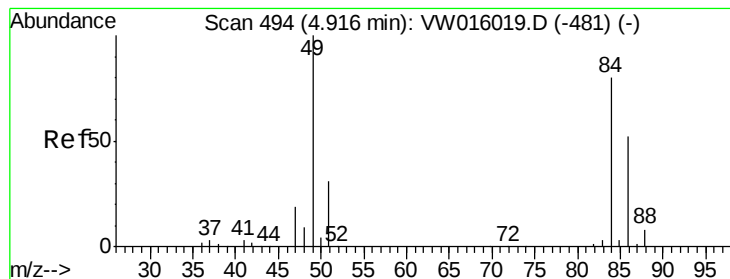
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Aug 01 02:48:19 2020  
Response via : Initial Calibration





#16

Methylene chloride

Concen: 4.240 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016022.D

Acq: 31 Jul 2020 13:38

Instrument :

MSVOA\_W

ClientSampleId :

VHBLK02

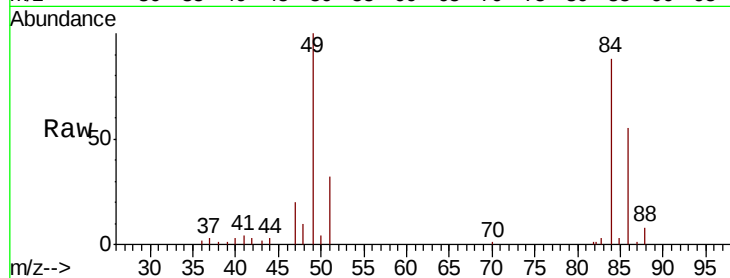
Tot Ion: 84 Resp: 27962

Ion Ratio Lower Upper

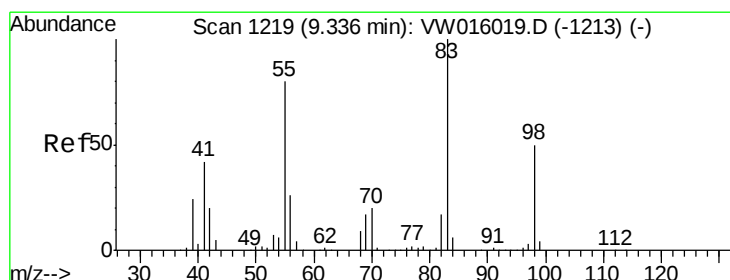
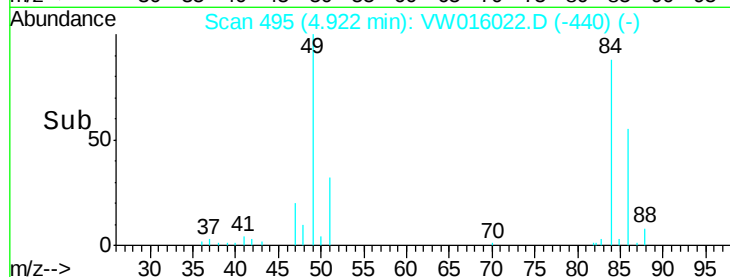
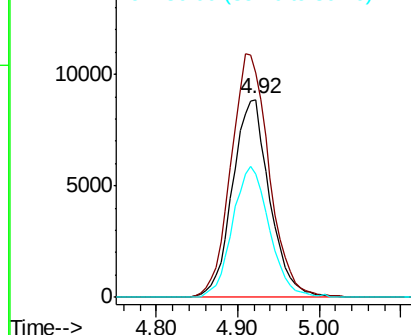
84 100

49 113.7 91.1 169.1

86 62.0 46.0 85.4



Abundance Ion 84.00 (83.70 to 84.70): VW  
Ion 49.00 (48.70 to 49.70): VW  
Ion 86.00 (85.70 to 86.70): VW



#36

Methylcyclohexane

Concen: 3.424 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW016022.D

Acq: 31 Jul 2020 13:38

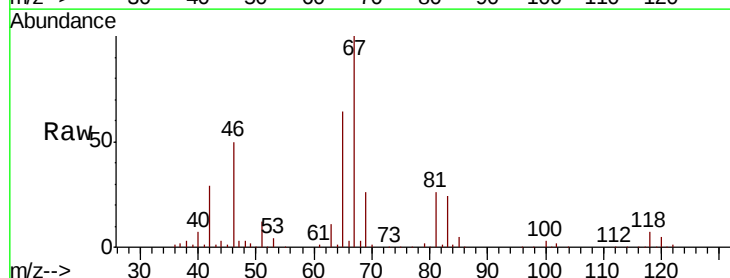
Tgt Ion: 83 Resp: 35907

Ion Ratio Lower Upper

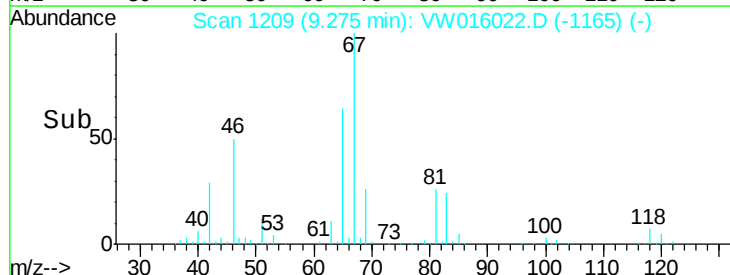
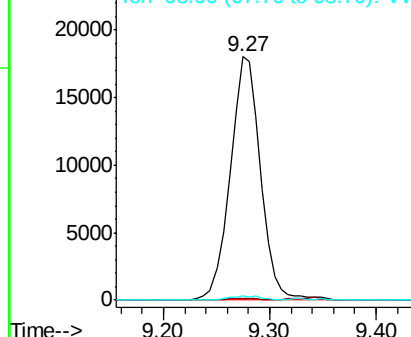
83 100

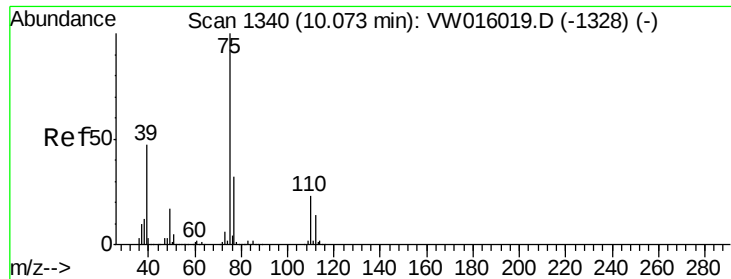
55 0.6 63.5 95.3#

98 1.7 39.0 58.4#



Abundance Ion 83.00 (82.70 to 83.70): VW  
Ion 55.00 (54.70 to 55.70): VW  
Ion 98.00 (97.70 to 98.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.449 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW016022.D

Acq: 31 Jul 2020 13:38

Instrument :

MSVOA\_W

ClientSampleId :

VHBLK02

Tot Ion: 75 Resp: 3911

Ion Ratio Lower Upper

75 100

77 44.5 22.2 41.2#

