

Data File : VW009415.D  
Acq On : 24 Mar 2019 03:06  
Operator : SY/VA  
Sample : VIBLK15  
Misc : 4.92G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK15

Quant Time: Mar 24 04:17:00 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Mar 23 23:52:05 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 383205   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 385134   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 177674   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 100251   | 21.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.56%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 107247   | 20.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.08%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 157668   | 15.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 63.72%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 95466    | 50.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 100.82% |
| 24) Chloroform-d               | 7.65   | 84    | 249938   | 23.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 95.60%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 163061   | 25.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 103.52% |
| 29) Benzene-d6                 | 8.27   | 84    | 462379   | 21.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.08%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 150147   | 23.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.16%  |
| 37) Toluene-d8                 | 10.32  | 98    | 424010   | 21.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 86.36%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 66244    | 20.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.72%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 71584    | 46.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.66%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 148676   | 23.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 94.64%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 167094   | 24.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 98.12%  |

#### Target Compounds

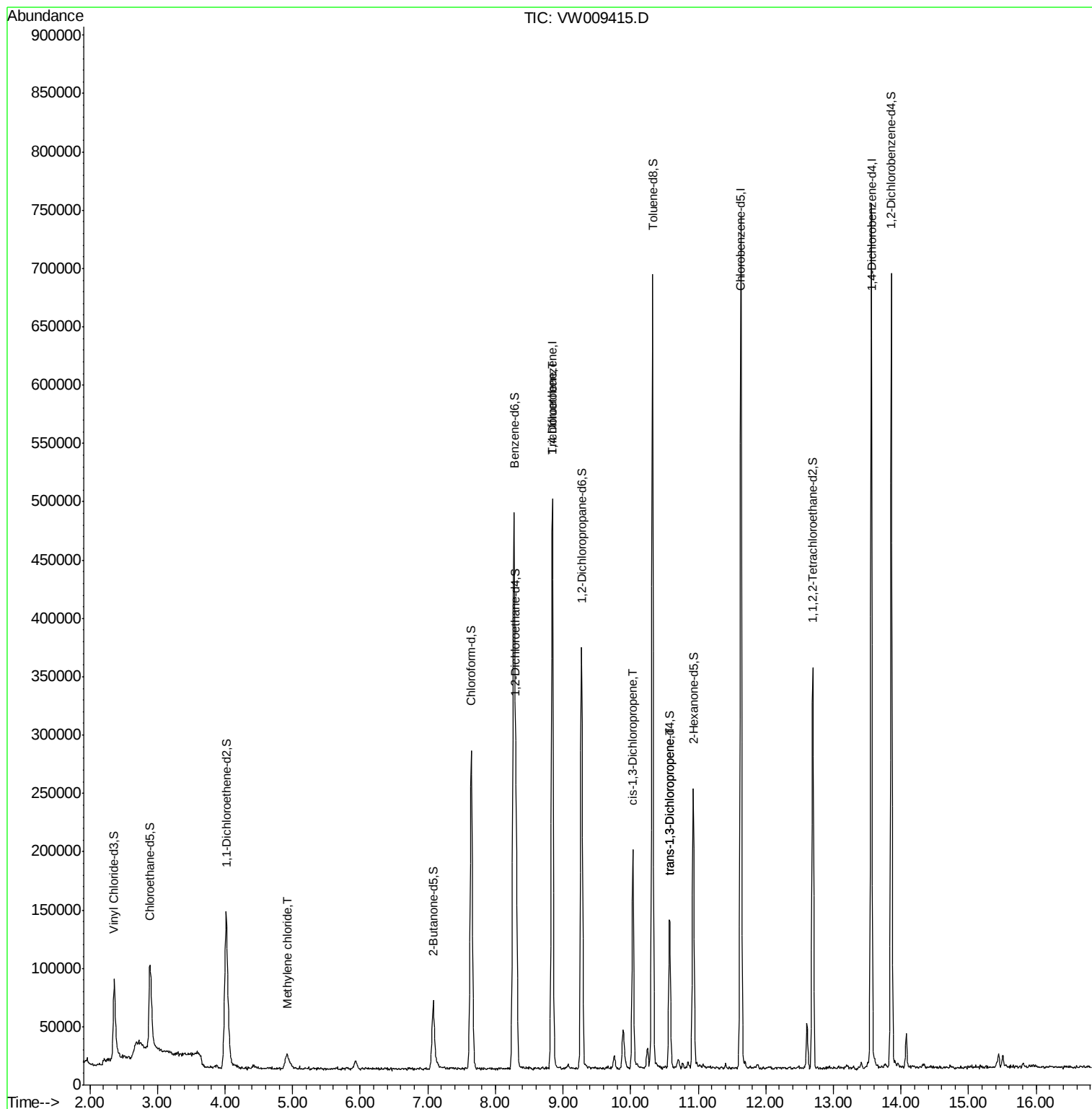
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride        | 4.91  | 84 | 8031  | 1.437 ug/L   | 89     |
| 35) Trichloroethene           | 8.84  | 95 | 12686 | 2.258 ug/L # | 4      |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75 | 4952  | 0.562 ug/L # | 40     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75 | 4116  | 0.537 ug/L # | 82     |

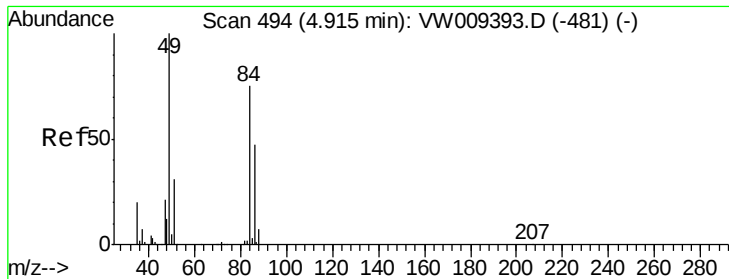
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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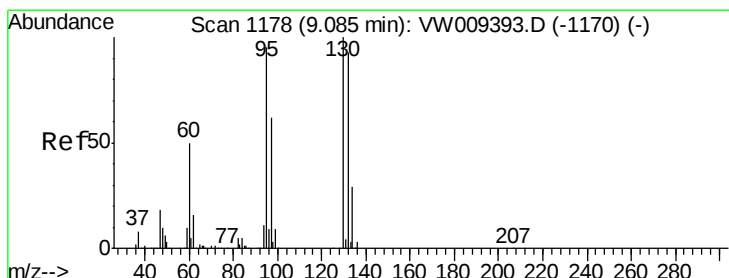
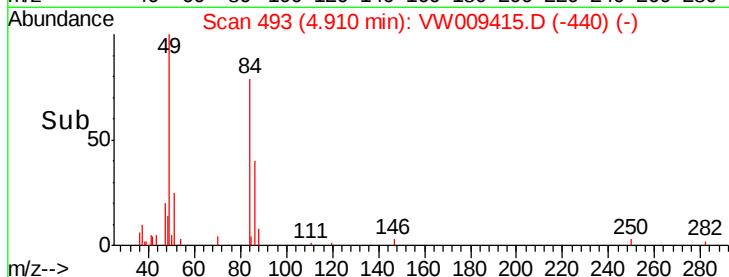
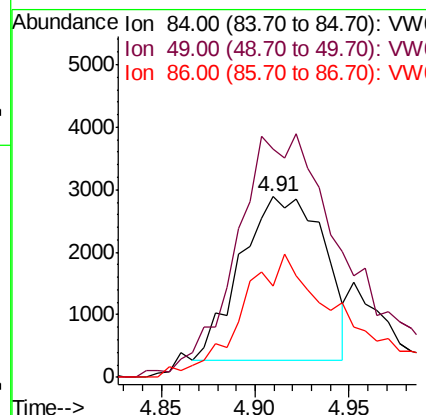
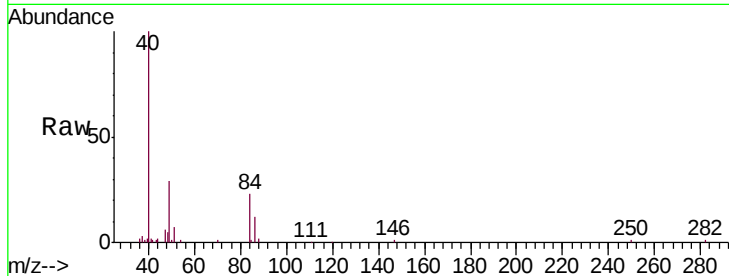




#16  
Methylene chloride  
Concen: 1.437 ug/L  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW009415.D  
Acq: 24 Mar 2019 03:06

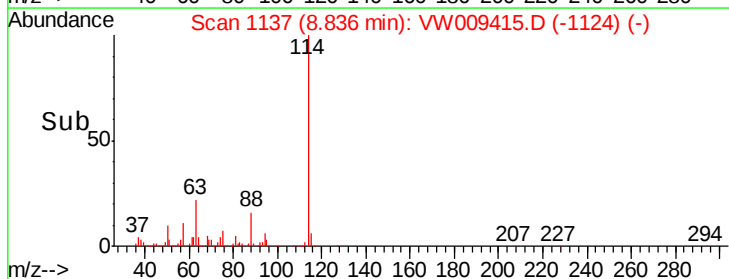
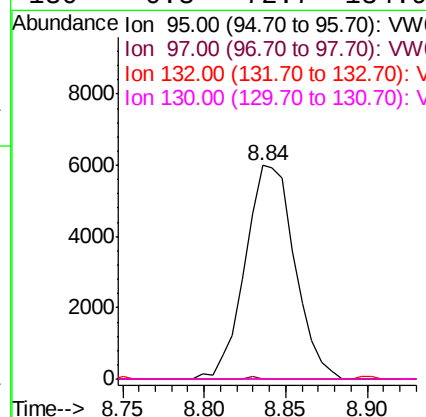
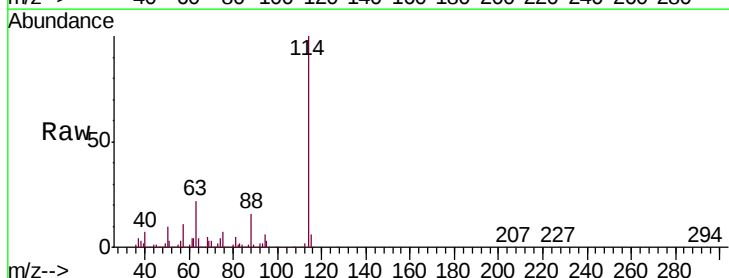
Instrument :  
MSVOA\_W  
ClientSampled :  
VIBLK15

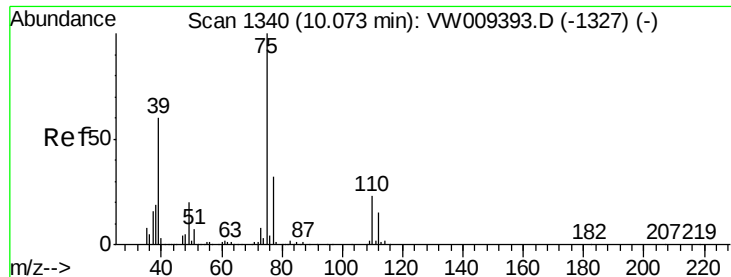
Tgt Ion: 84 Resp: 8031  
Ion Ratio Lower Upper  
84 100  
49 126.3 96.0 178.2  
86 50.5 44.4 82.5



#35  
Trichloroethene  
Concen: 2.258 ug/L  
RT: 8.84 min Scan# 1137  
Delta R.T. -0.25 min  
Lab File: VW009415.D  
Acq: 24 Mar 2019 03:06

Tgt Ion: 95 Resp: 12686  
Ion Ratio Lower Upper  
95 100  
97 0.0 44.7 82.9#  
132 0.4 69.0 128.2#  
130 0.3 72.7 134.9#





#42

cis-1,3-Dichloropropene

Concen: 0.562 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009415.D

Acq: 24 Mar 2019 03:06

Instrument :

MSVOA\_W

ClientSampleId :

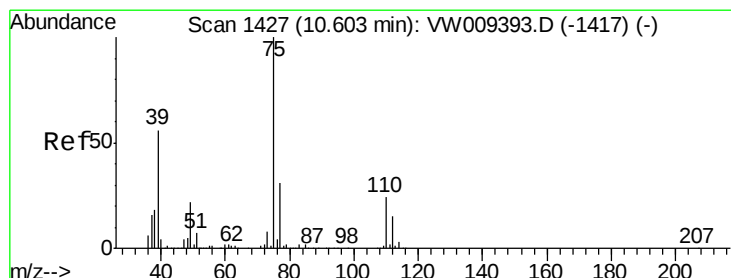
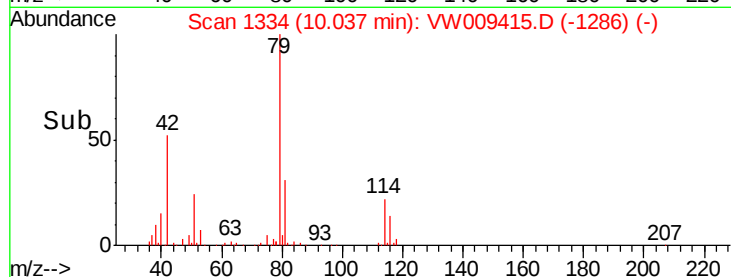
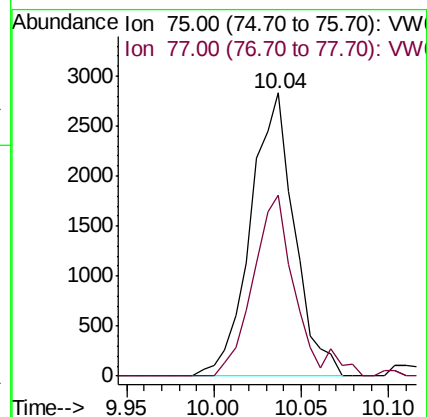
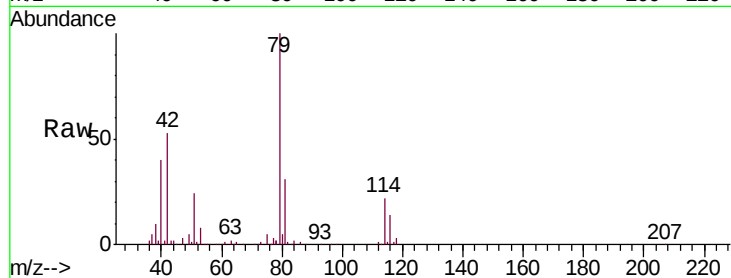
VIBLK15

Tgt Ion: 75 Resp: 4952

Ion Ratio Lower Upper

75 100

77 63.9 21.6 40.2#



#45

trans-1,3-Dichloropropene

Concen: 0.537 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009415.D

Acq: 24 Mar 2019 03:06

Tgt Ion: 75 Resp: 4116

Ion Ratio Lower Upper

75 100

77 42.2 22.5 41.7#

