

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\  
 Data File : VW009513.D  
 Acq On : 27 Mar 2019 21:37  
 Operator : SY/VA  
 Sample : VW0327SBL02  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK15

Quant Time: Mar 28 07:46:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 28 07:41:43 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 374579   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 365479   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 173802   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 84117    | 18.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.16% |
| 7) Chloroethane-d5             | 2.86   | 69    | 101923   | 19.46    | ug/L | -0.03  |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.84% |
| 10) 1,1-Dichloroethene-d2      | 4.00   | 63    | 146408   | 15.13    | ug/L | -0.02  |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 60.52% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 86944    | 46.97    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.94% |
| 24) Chloroform-d               | 7.64   | 84    | 223713   | 21.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.52% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 141476   | 22.97    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 91.88% |
| 29) Benzene-d6                 | 8.27   | 84    | 409333   | 20.31    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 81.24% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 132437   | 21.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 87.52% |
| 37) Toluene-d8                 | 10.32  | 98    | 368952   | 19.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.20% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 56876    | 18.71    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.84% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 61887    | 42.21    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.42% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 128765   | 21.60    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 86.40% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 151237   | 22.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.76% |

## Target Compounds

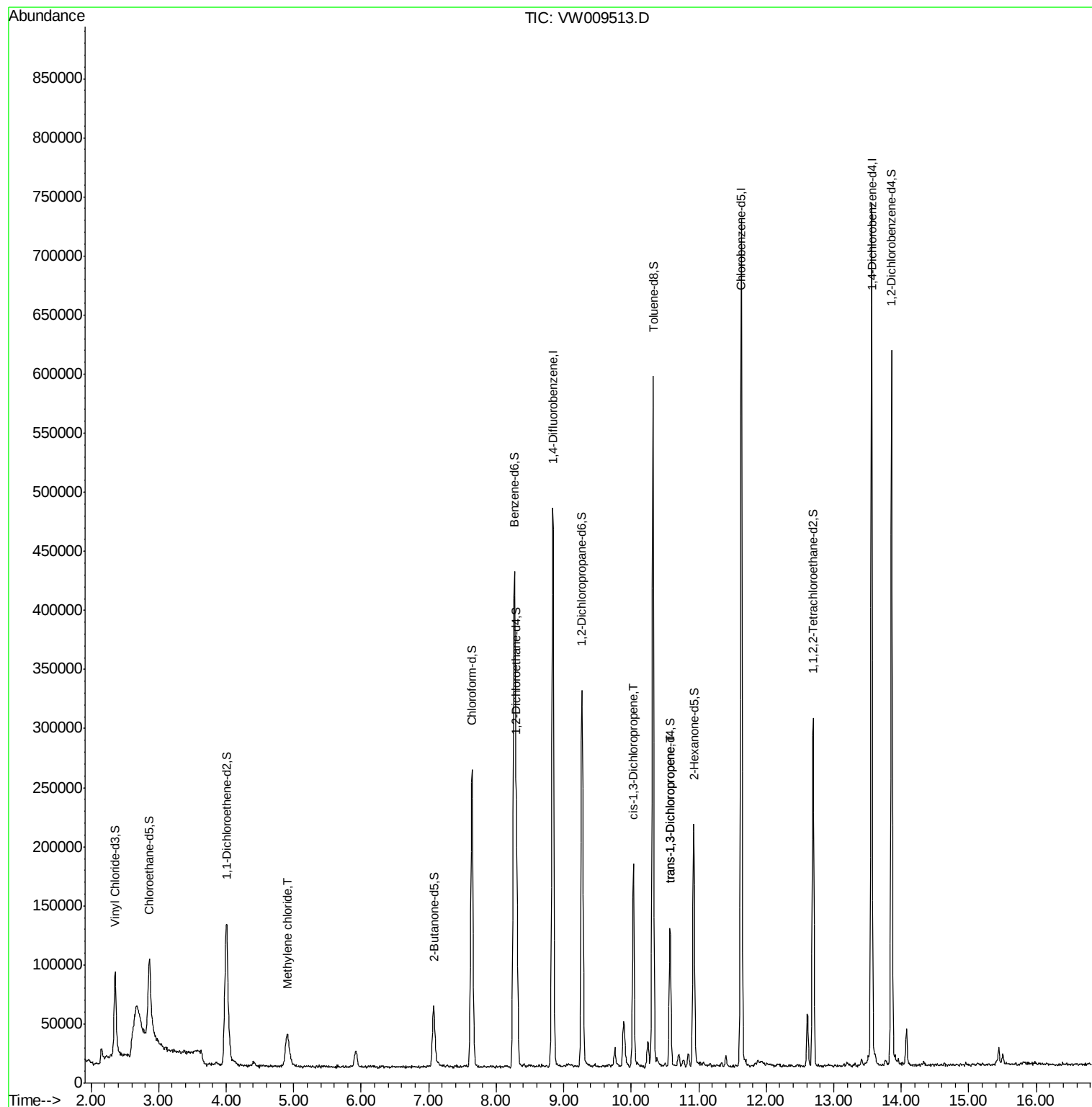
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride        | 4.91  | 84 | 22887 | 4.190 ug/L   | 91     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75 | 4848  | 0.580 ug/L # | 32     |
| 45) trans-1,3-Dichloropropene | 10.57 | 75 | 3256  | 0.448 ug/L   | 98     |

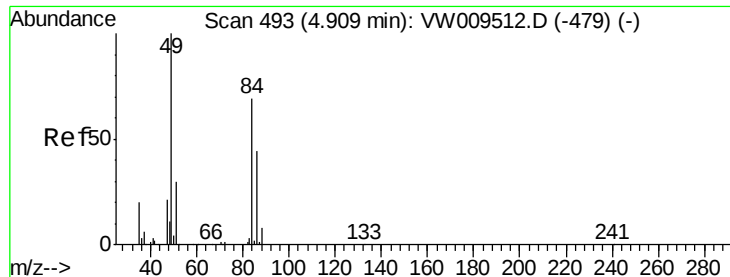
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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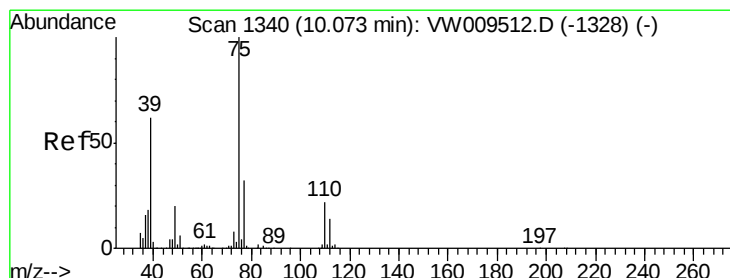
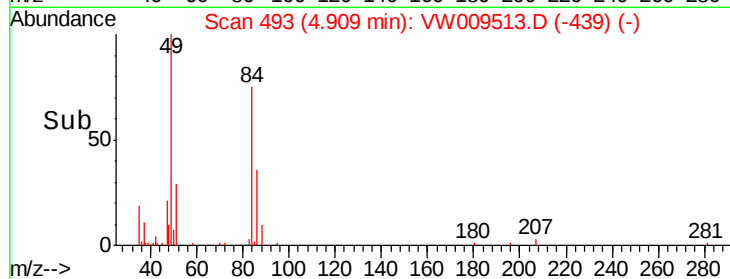
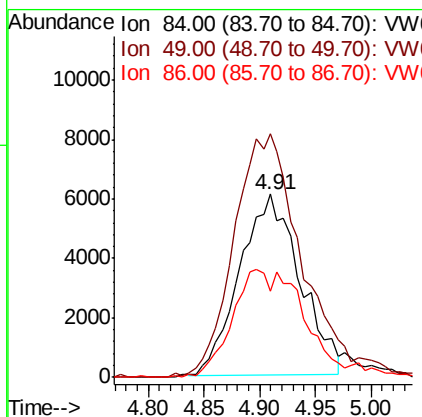
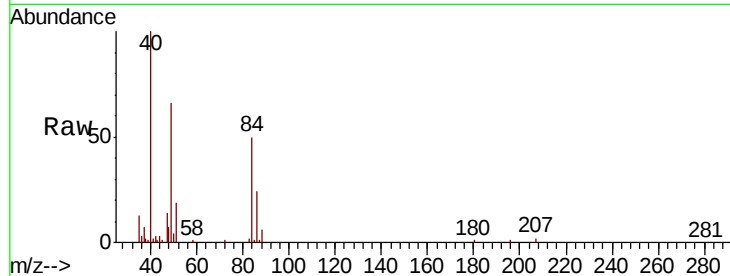




#16  
Methylene chloride  
Concen: 4.190 ug/L  
RT: 4.91 min Scan# 493  
Delta R.T. 0.00 min  
Lab File: VW009513.D  
Acq: 27 Mar 2019 21:37

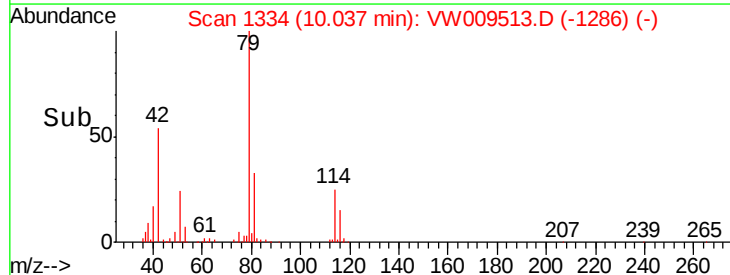
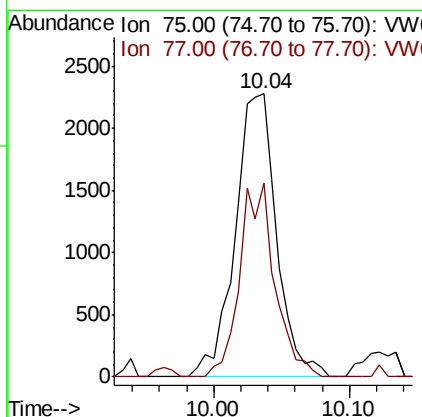
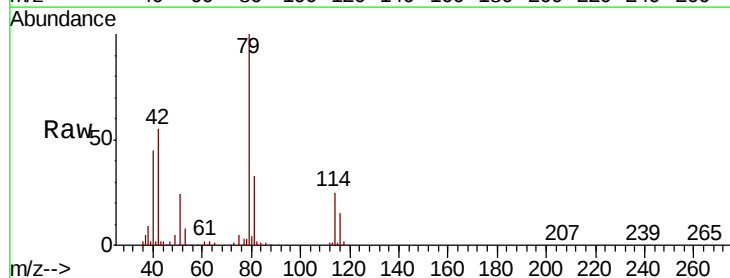
Instrument :  
MSVOA\_W  
ClientSampleId :  
VBLK15

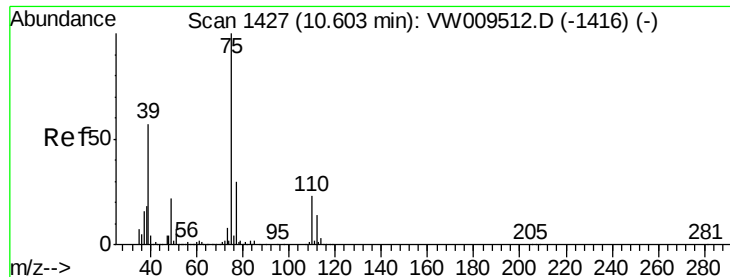
Tot Ion: 84 Resp: 22887  
Ion Ratio Lower Upper  
84 100  
49 133.0 96.0 178.2  
86 47.3 44.4 82.5



#42  
cis-1,3-Dichloropropene  
Concen: 0.580 ug/L  
RT: 10.04 min Scan# 1334  
Delta R.T. -0.04 min  
Lab File: VW009513.D  
Acq: 27 Mar 2019 21:37

Tgt Ion: 75 Resp: 4848  
Ion Ratio Lower Upper  
75 100  
77 68.3 21.6 40.2#





#45

trans-1,3-Dichloropropene

Concen: 0.448 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009513.D

Acq: 27 Mar 2019 21:37

Instrument :

MSVOA\_W

ClientSampleId :

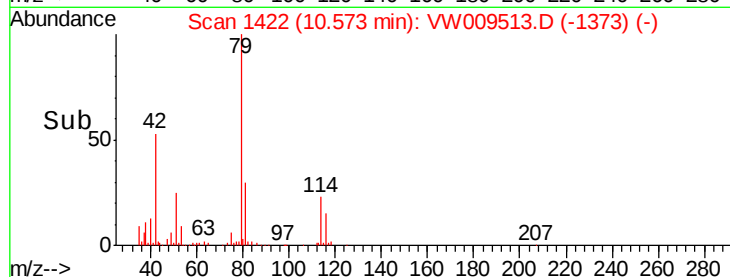
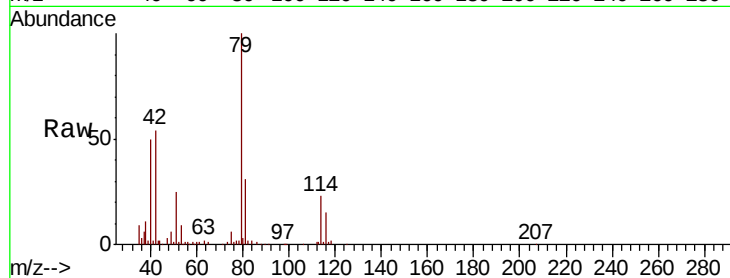
VBLK15

Tot Ion: 75 Resp: 3256

Ion Ratio Lower Upper

75 100

77 33.2 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

