

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112919\  
 Data File : VW014181.D  
 Acq On : 29 Nov 2019 15:06  
 Operator : SY/VA  
 Sample : K6089-11  
 Misc : 5.02G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Nov 30 04:13:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Nov 30 04:10:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 182927   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 153456   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 53963    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 47752    | 16.36    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 65.44%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 51101    | 21.60    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.40%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 79090    | 13.20    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 52.80%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 55551    | 65.52    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 131.04%  |
| 24) Chloroform-d               | 7.64   | 84    | 152612   | 27.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 108.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 84007    | 29.71    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 118.84%  |
| 29) Benzene-d6                 | 8.27   | 84    | 286673   | 26.33    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 105.32%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 98367    | 30.84    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 123.36%# |
| 37) Toluene-d8                 | 10.32  | 98    | 223288   | 21.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 86.52%   |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 28140    | 20.60    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.40%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 39410    | 65.16    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 130.32%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 88845    | 36.89    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 147.56%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 57588    | 26.56    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 106.24%  |

## Target Compounds

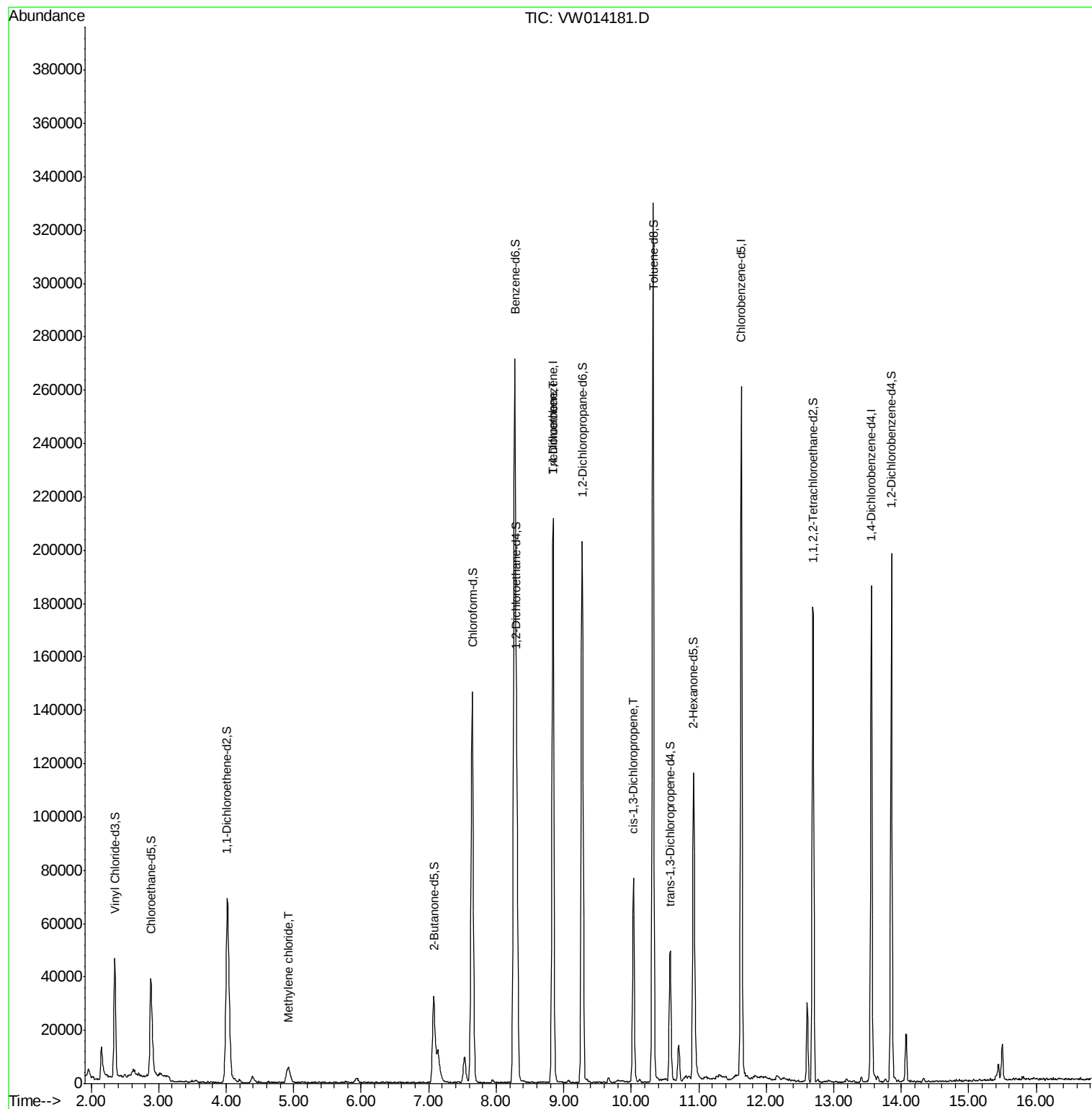
|                             |       |    |      |              | Ovalue |
|-----------------------------|-------|----|------|--------------|--------|
| 16) Methylene chloride      | 4.92  | 84 | 5647 | 1.604 ug/L # | 76     |
| 35) Trichloroethene         | 8.84  | 95 | 5712 | 1.902 ug/L # | 2      |
| 42) cis-1,3-Dichloropropene | 10.03 | 75 | 1890 | 0.442 ug/L # | 59     |

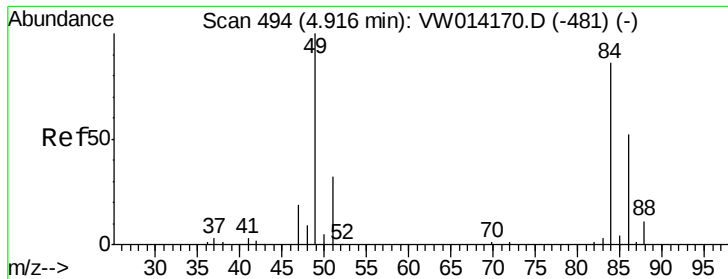
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112919\  
Data File : VW014181.D  
Acq On : 29 Nov 2019 15:06  
Operator : SY/VA  
Sample : K6089-11  
Misc : 5.02G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Nov 30 04:13:55 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Nov 30 04:10:38 2019  
Response via : Initial Calibration

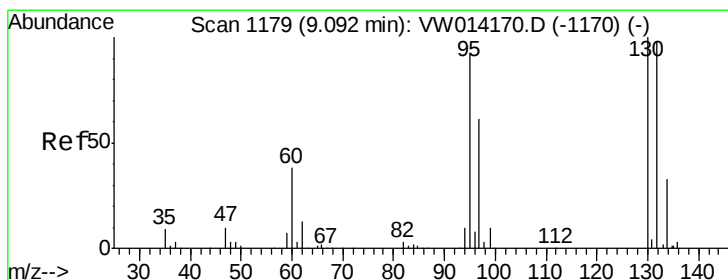
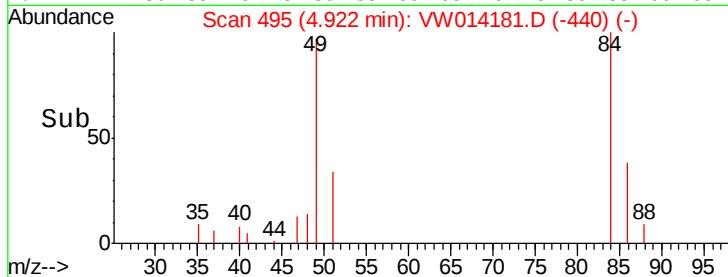
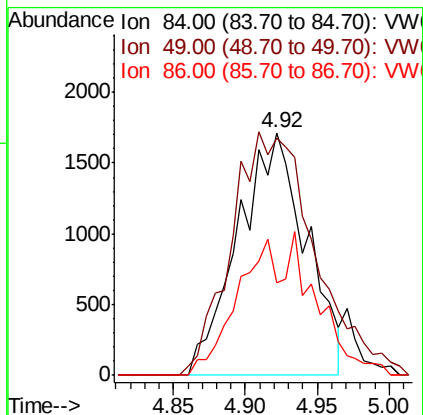
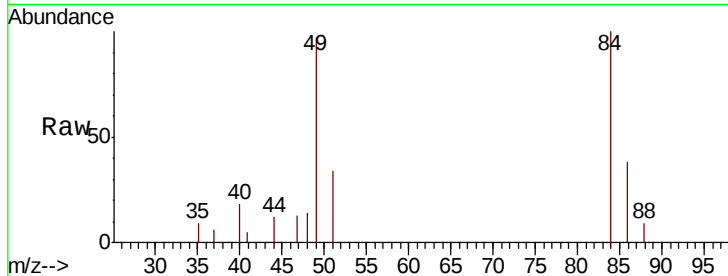




#16  
Methvlene chloride  
Concen: 1.604 ug/L  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW014181.D  
Acq: 29 Nov 2019 15:06

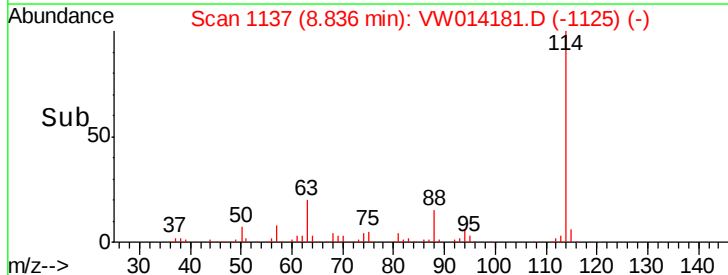
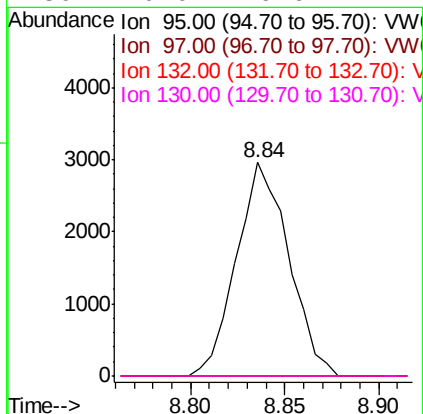
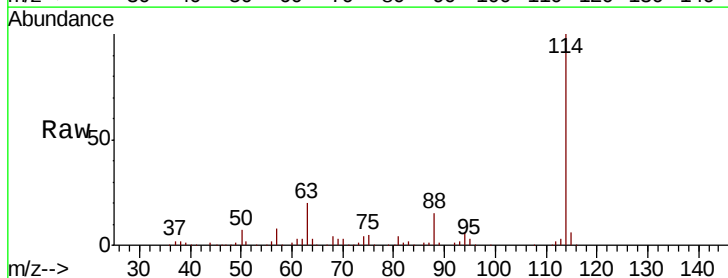
Instrument :  
MSVOA\_W  
ClientSampleId :

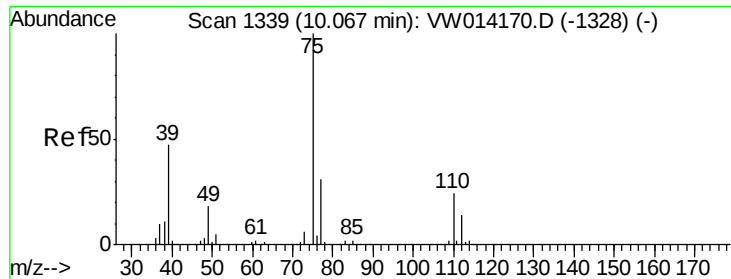
Tot Ion: 84 Resp: 5647  
Ion Ratio Lower Upper  
84 100  
49 97.4 84.2 156.4  
86 38.1 43.7 81.1#



#35  
Trichloroethene  
Concen: 1.902 ug/L  
RT: 8.84 min Scan# 1137  
Delta R.T. -0.26 min  
Lab File: VW014181.D  
Acq: 29 Nov 2019 15:06

Tgt Ion: 95 Resp: 5712  
Ion Ratio Lower Upper  
95 100  
97 0.0 45.1 83.9#  
132 0.0 73.7 136.9#  
130 0.0 76.6 142.2#





#42

cis-1,3-Dichloropropene

Concen: 0.442 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014181.D

Acq: 29 Nov 2019 15:06

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 75 Resp: 1890

Ion Ratio Lower Upper

75 100

77 54.4 22.1 41.1#

