

Data File : VW014457.D  
Acq On : 19 Dec 2019 12:21  
Operator : SY/VA  
Sample : K6277-19  
Misc : 5.09G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VHBLK01

Quant Time: Dec 20 01:15:12 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 20 01:12:43 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 914011   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 842933   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 353107   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 258368   | 18.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 74.68% |
| 7) Chloroethane-d5             | 2.89   | 69    | 221616   | 21.53    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.12% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 382081   | 15.63    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 62.52% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 158606   | 43.98    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.96% |
| 24) Chloroform-d               | 7.64   | 84    | 530604   | 22.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.20% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 285645   | 23.41    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 93.64% |
| 29) Benzene-d6                 | 8.27   | 84    | 1083722  | 21.94    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.76% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 343323   | 22.59    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 90.36% |
| 37) Toluene-d8                 | 10.32  | 98    | 951043   | 21.29    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.16% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 125730   | 19.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.88% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 111504   | 36.90    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.80% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 252035   | 20.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 81.40% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 306927   | 22.75    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.00% |

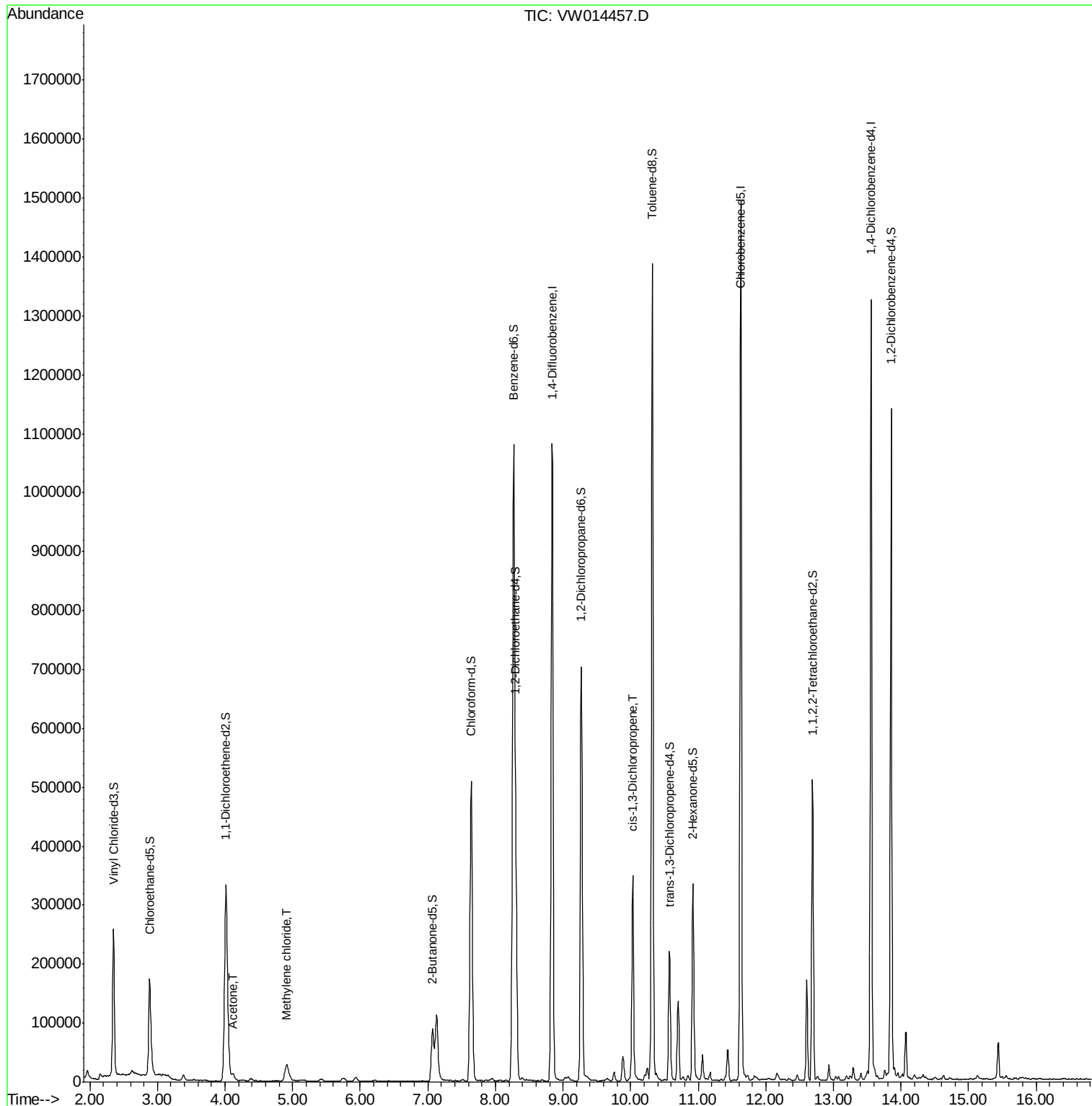
| Target Compounds            |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.12  | 43 | 18863 | 5.424 ug/L   | 98     |
| 16) Methylene chloride      | 4.90  | 84 | 23970 | 1.711 ug/L   | 88     |
| 42) cis-1,3-Dichloropropene | 10.03 | 75 | 8919  | 0.434 ug/L # | 53     |

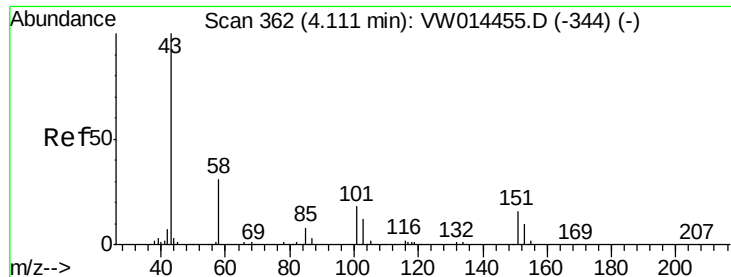
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW014457.D  
Acq On : 19 Dec 2019 12:21  
Operator : SY/VA  
Sample : K6277-19  
Misc : 5.09G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VHBLK01

Quant Time: Dec 20 01:15:12 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 20 01:12:43 2019  
Response via : Initial Calibration

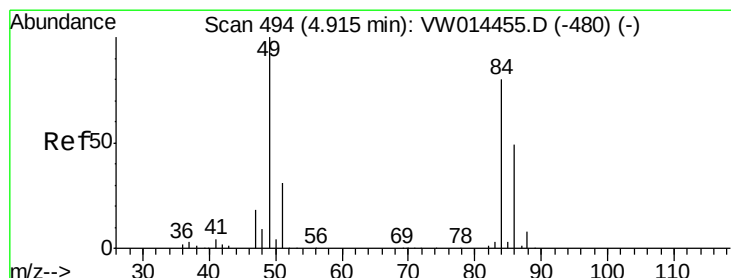
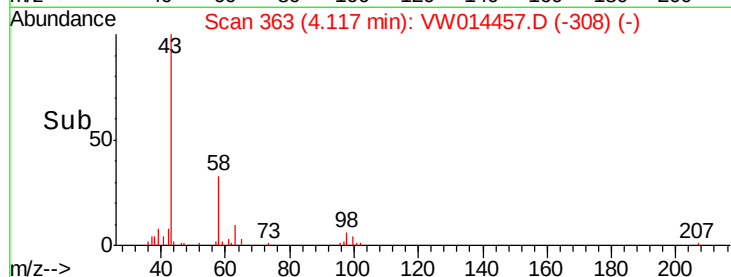
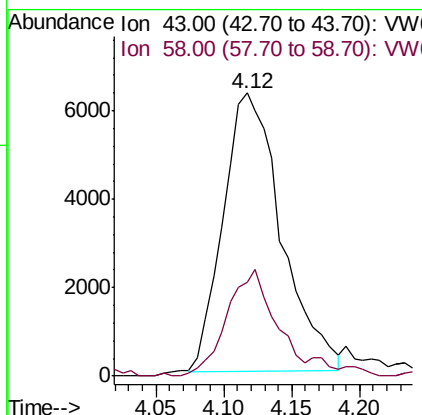
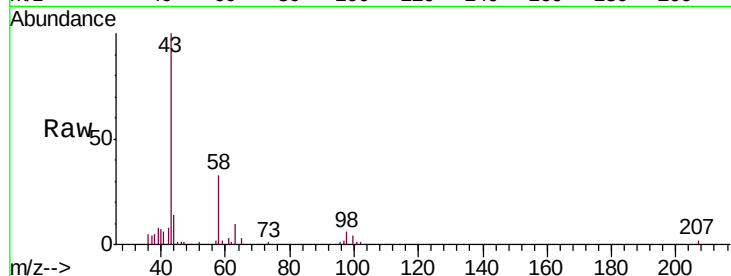




#13  
Acetone  
Concen: 5.424 ug/L  
RT: 4.12 min Scan# 363  
Delta R.T. 0.01 min  
Lab File: VW014457.D  
Acq: 19 Dec 2019 12:21

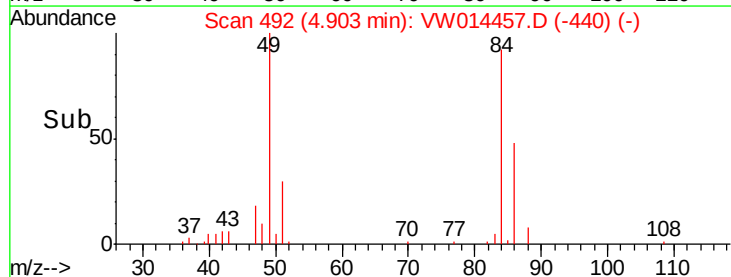
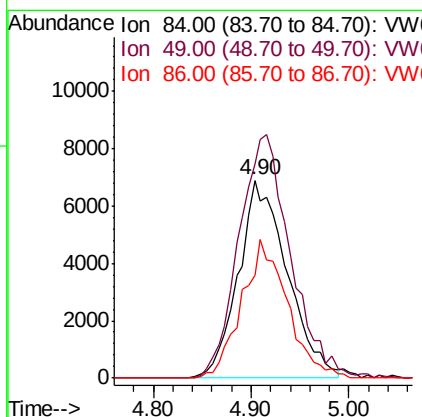
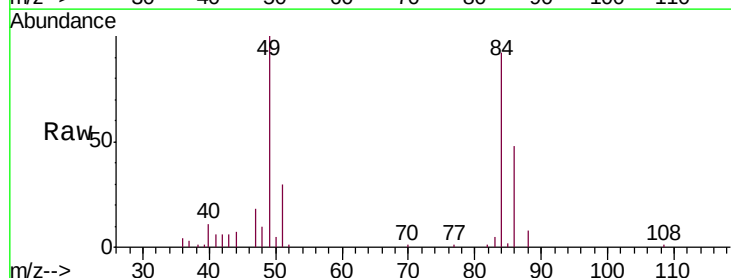
Instrument :  
MSVOA\_W  
ClientSampleId :  
VHBLK01

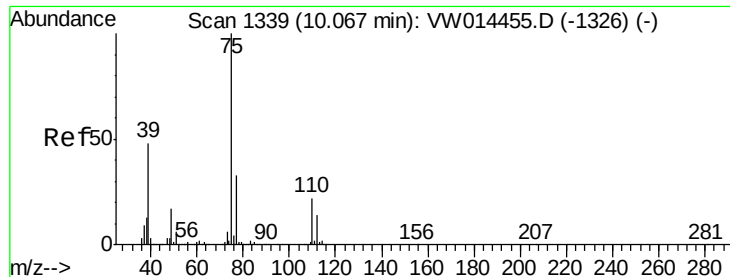
Tgt Ion: 43 Resp: 18863  
Ion Ratio Lower Upper  
43 100  
58 31.5 0.0 65.4



#16  
Methylene chloride  
Concen: 1.711 ug/L  
RT: 4.90 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VW014457.D  
Acq: 19 Dec 2019 12:21

Tgt Ion: 84 Resp: 23970  
Ion Ratio Lower Upper  
84 100  
49 108.4 84.2 156.4  
86 52.1 43.7 81.1





#42

cis-1,3-Dichloropropene

Concen: 0.434 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014457.D

Acq: 19 Dec 2019 12:21

Instrument :

MSVOA\_W

ClientSampleId :

VHBLK01

Tgt Ion: 75 Resp: 8919

Ion Ratio Lower Upper

75 100

77 57.6 22.1 41.1#

