

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110520\  
 Data File : VW017091.D  
 Acq On : 05 Nov 2020 15:56  
 Operator : SY/VA  
 Sample : L4543-09  
 Misc : 5.02G/10ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VHBLK02

Quant Time: Nov 06 04:39:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 06 04:09:24 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 497480   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 457631   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 221251   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 157663   | 25.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.64% |
| 7) Chloroethane-d5             | 2.89   | 69    | 119556   | 24.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.04%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 200852   | 17.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.68%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 69150    | 49.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.70%  |
| 24) Chloroform-d               | 7.65   | 84    | 278771   | 24.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.00%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 147972   | 25.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 102.52% |
| 29) Benzene-d6                 | 8.28   | 84    | 568972   | 24.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.64%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 160264   | 24.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 99.44%  |
| 37) Toluene-d8                 | 10.33  | 98    | 525077   | 23.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.60%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 68318    | 23.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 94.04%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 56912    | 50.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 101.18% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 142487   | 25.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 101.52% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 202614   | 25.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 103.96% |

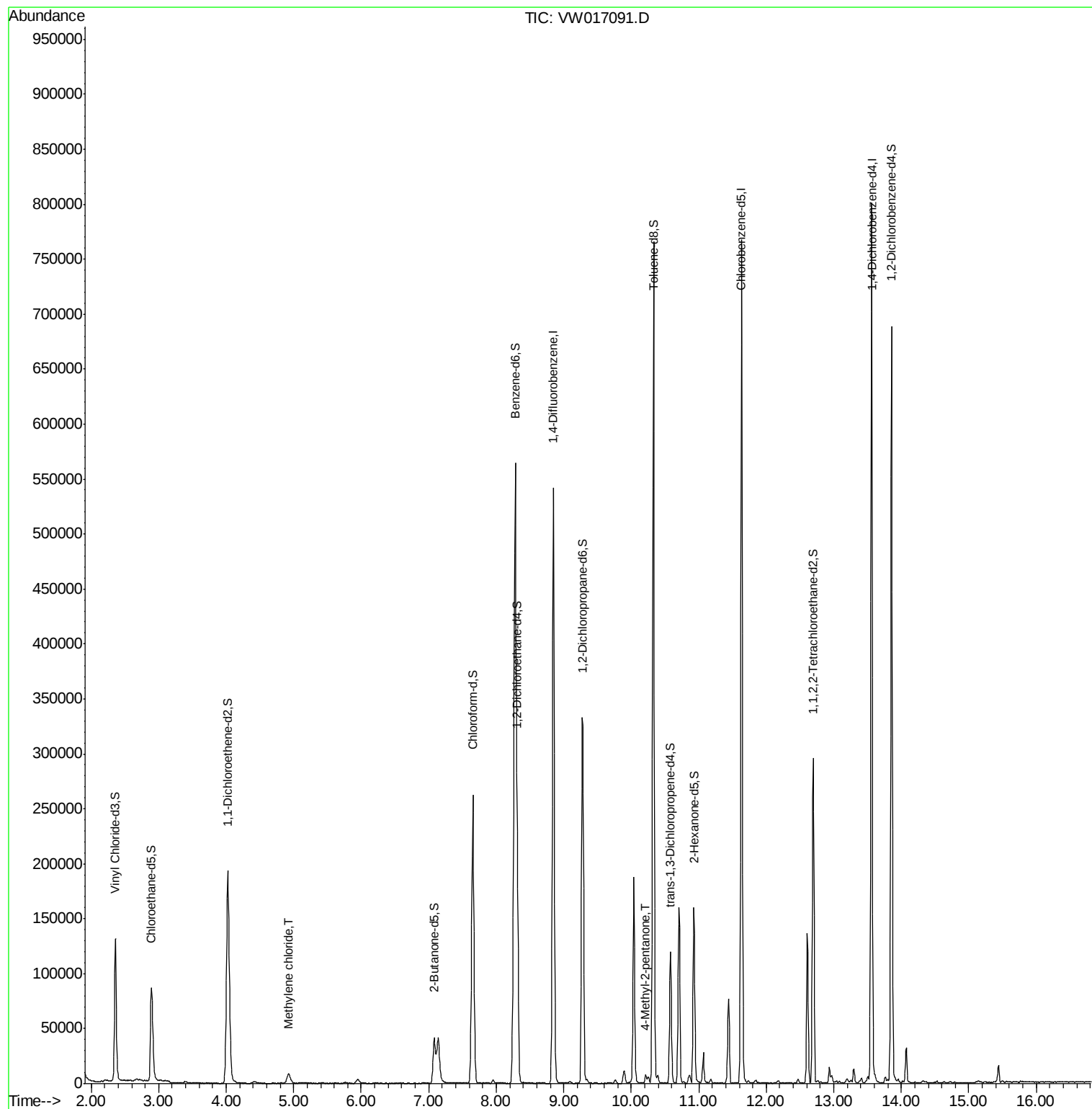
| Target Compounds         |       |    |      |            | Ovalue |
|--------------------------|-------|----|------|------------|--------|
| 16) Methylene chloride   | 4.92  | 84 | 7983 | 1.190 ug/L | 97     |
| 43) 4-Methyl-2-pentanone | 10.21 | 43 | 5279 | 1.523 ug/L | 98     |

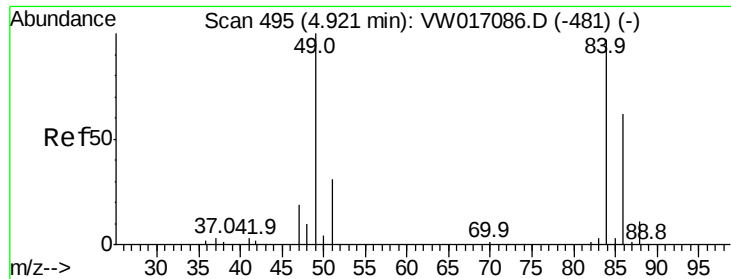
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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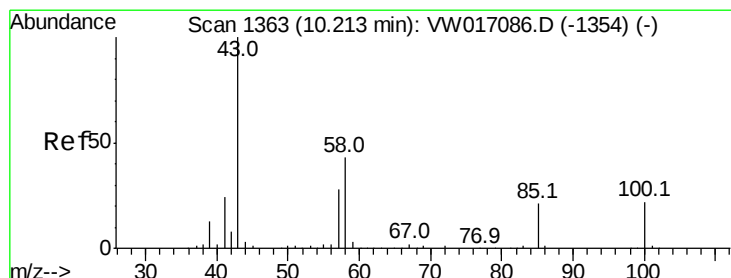
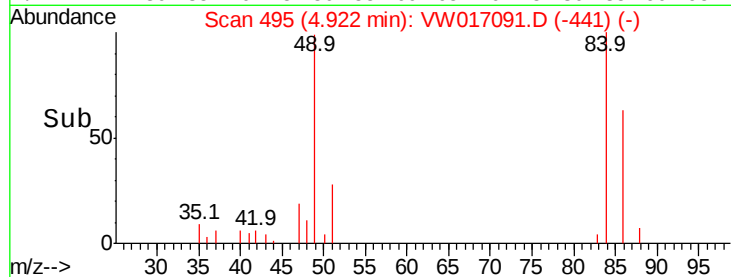
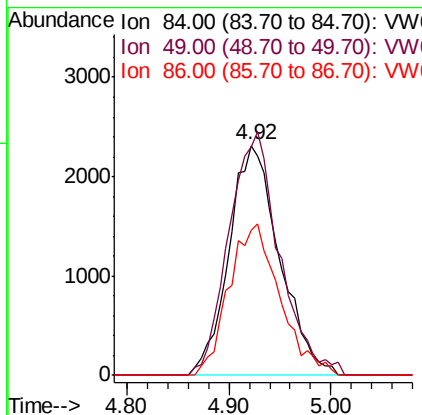
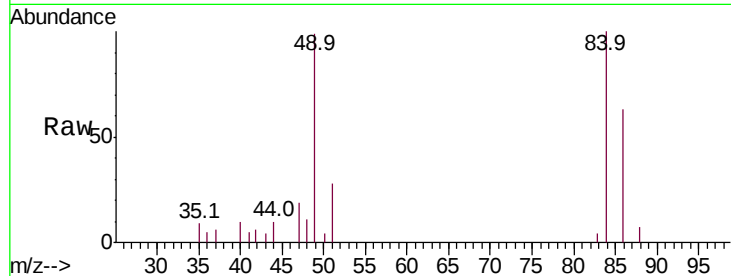




#16  
Methylene chloride  
Concen: 1.190 ug/L  
RT: 4.92 min Scan# 495  
Delta R.T. 0.00 min  
Lab File: VW017091.D  
Acq: 05 Nov 2020 15:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VHBLK02

Tot Ion: 84 Resp: 7983  
Ion Ratio Lower Upper  
84 100  
49 99.3 72.3 134.3  
86 63.0 45.1 83.7



#43  
4-Methyl-2-pentanone  
Concen: 1.523 ug/L  
RT: 10.21 min Scan# 1363  
Delta R.T. 0.00 min  
Lab File: VW017091.D  
Acq: 05 Nov 2020 15:56

Tgt Ion: 43 Resp: 5279  
Ion Ratio Lower Upper  
43 100  
58 43.2 35.0 52.6  
100 18.8 16.6 24.8

