

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072920\  
 Data File : VW015992.D  
 Acq On : 29 Jul 2020 16:40  
 Operator : SY/VA  
 Sample : L3492-07  
 Misc : 4.58G/10ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 D0AA4

Quant Time: Jul 30 03:32:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 30 03:30:55 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 528892   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 450492   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 158909   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 136123   | 18.24    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.96% |
| 7) Chloroethane-d5             | 2.90   | 69    | 114506   | 18.89    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.56% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 216415   | 14.34    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 57.36% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 63594    | 32.44    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 64.88% |
| 24) Chloroform-d               | 7.65   | 84    | 281671   | 18.96    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 75.84% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 144418   | 17.71    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 70.84% |
| 29) Benzene-d6                 | 8.28   | 84    | 578003   | 21.08    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.32% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 173750   | 21.14    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 84.56% |
| 37) Toluene-d8                 | 10.33  | 98    | 500305   | 20.14    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 80.56% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 63913    | 18.24    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 72.96% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 48043    | 35.10    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 70.20% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 114056   | 18.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 72.20% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 127867   | 20.64    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 82.56% |

## Target Compounds

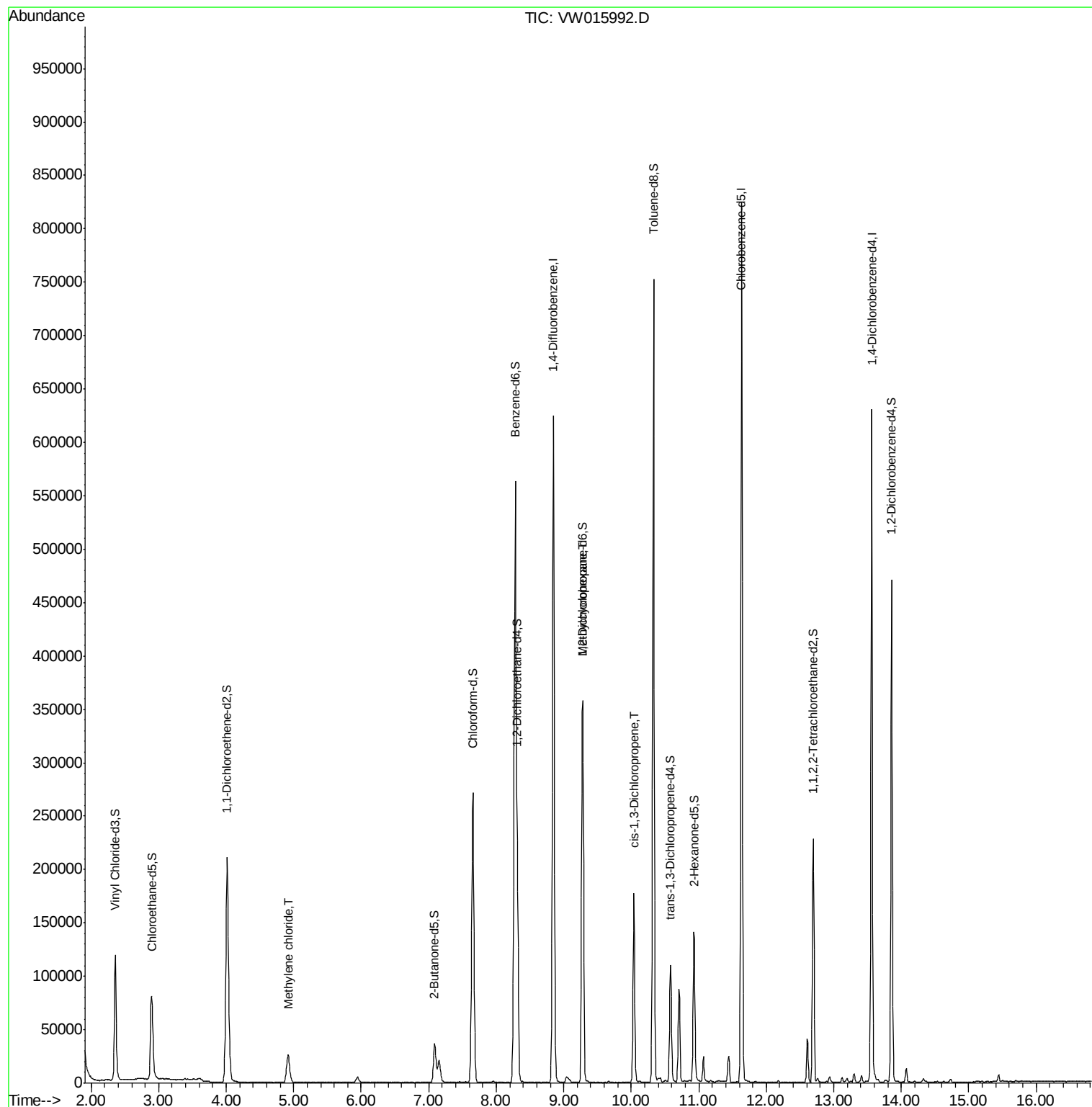
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 4.92  | 84 | 21447 | 2.475 ug/L   | 93     |
| 36) Methylcyclohexane       | 9.28  | 83 | 41584 | 3.348 ug/L # | 18     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 4267  | 0.413 ug/L # | 60     |

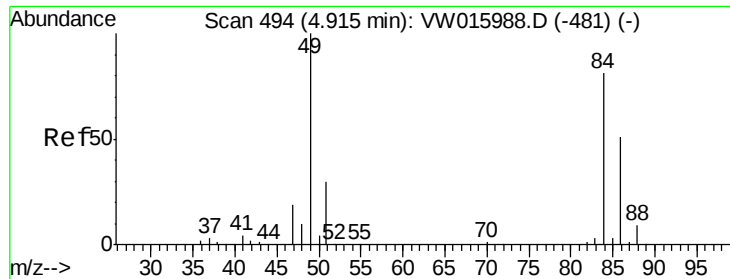
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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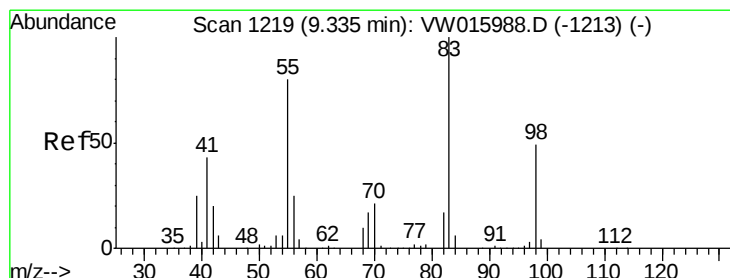
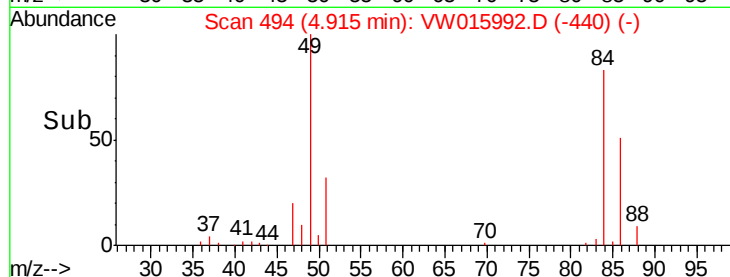
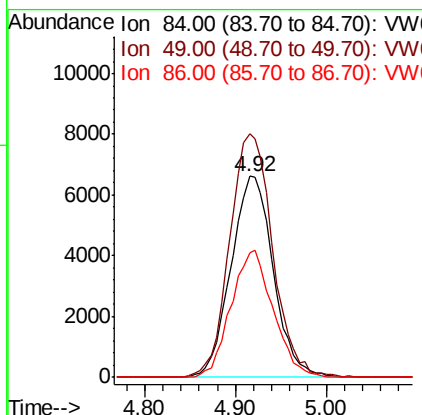
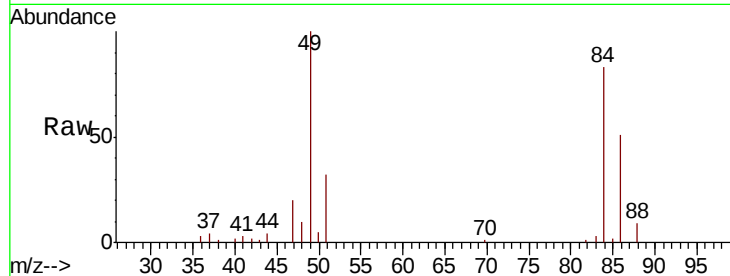




#16  
Methvlene chloride  
Concen: 2.475 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW015992.D  
Acq: 29 Jul 2020 16:40

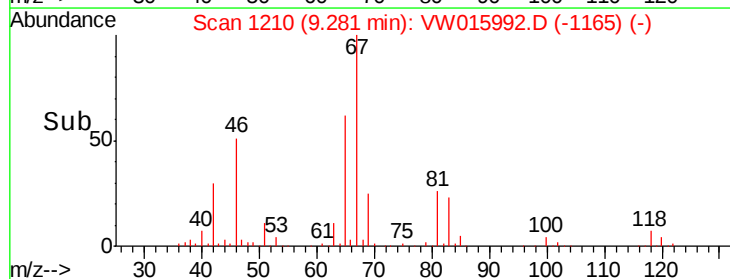
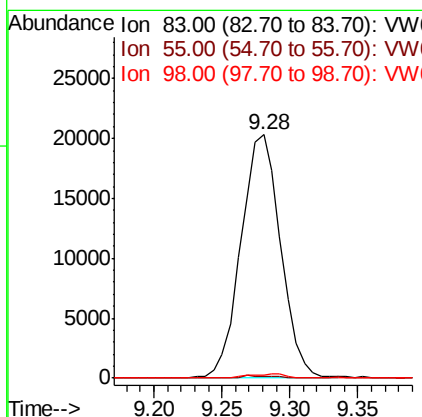
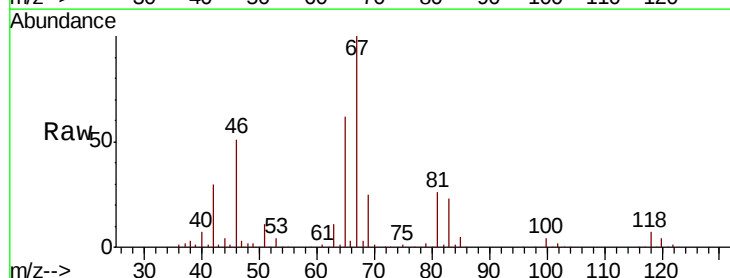
Instrument :  
MSVOA\_W  
ClientSampled :  
D0AA4

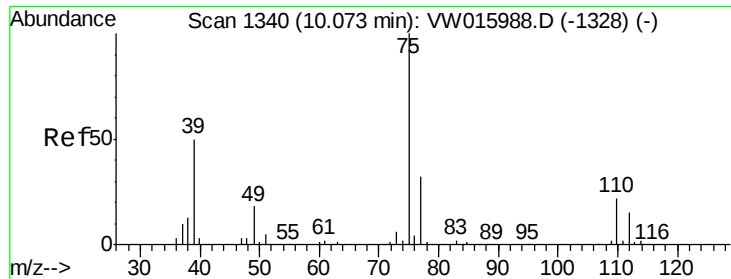
Tot Ion: 84 Resp: 21447  
Ion Ratio Lower Upper  
84 100  
49 121.2 91.1 169.1  
86 61.9 46.0 85.4



#36  
Methylcyclohexane  
Concen: 3.348 ug/L  
RT: 9.28 min Scan# 1210  
Delta R.T. -0.05 min  
Lab File: VW015992.D  
Acq: 29 Jul 2020 16:40

Tgt Ion: 83 Resp: 41584  
Ion Ratio Lower Upper  
83 100  
55 0.3 63.5 95.3#  
98 1.0 39.0 58.4#





#42  
 cis-1,3-Dichloropropene  
 Concen: 0.413 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW015992.D  
 Acq: 29 Jul 2020 16:40

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 D0AA4

Tot Ion: 75 Resp: 4267  
 Ion Ratio Lower Upper  
 75 100  
 77 53.8 22.2 41.2#

