

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\  
 Data File : VW016063.D  
 Acq On : 07 Aug 2020 09:26  
 Operator : SY/VA  
 Sample : VW0807SBL01  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 08 03:20:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 08 03:18:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 287768   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 268428   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 122178   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 92014    | 22.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.64%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 72659    | 22.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.12%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 147826   | 18.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 72.04%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 43232    | 40.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 81.06%  |
| 24) Chloroform-d               | 7.65   | 84    | 194818   | 24.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.44%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 101828   | 22.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 91.80%  |
| 29) Benzene-d6                 | 8.28   | 84    | 406474   | 24.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.52%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 115688   | 23.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.48%  |
| 37) Toluene-d8                 | 10.32  | 98    | 375762   | 25.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 101.56% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 49210    | 23.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 94.28%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 35662    | 43.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.44%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 90448    | 24.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 96.08%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 126190   | 26.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 105.96% |

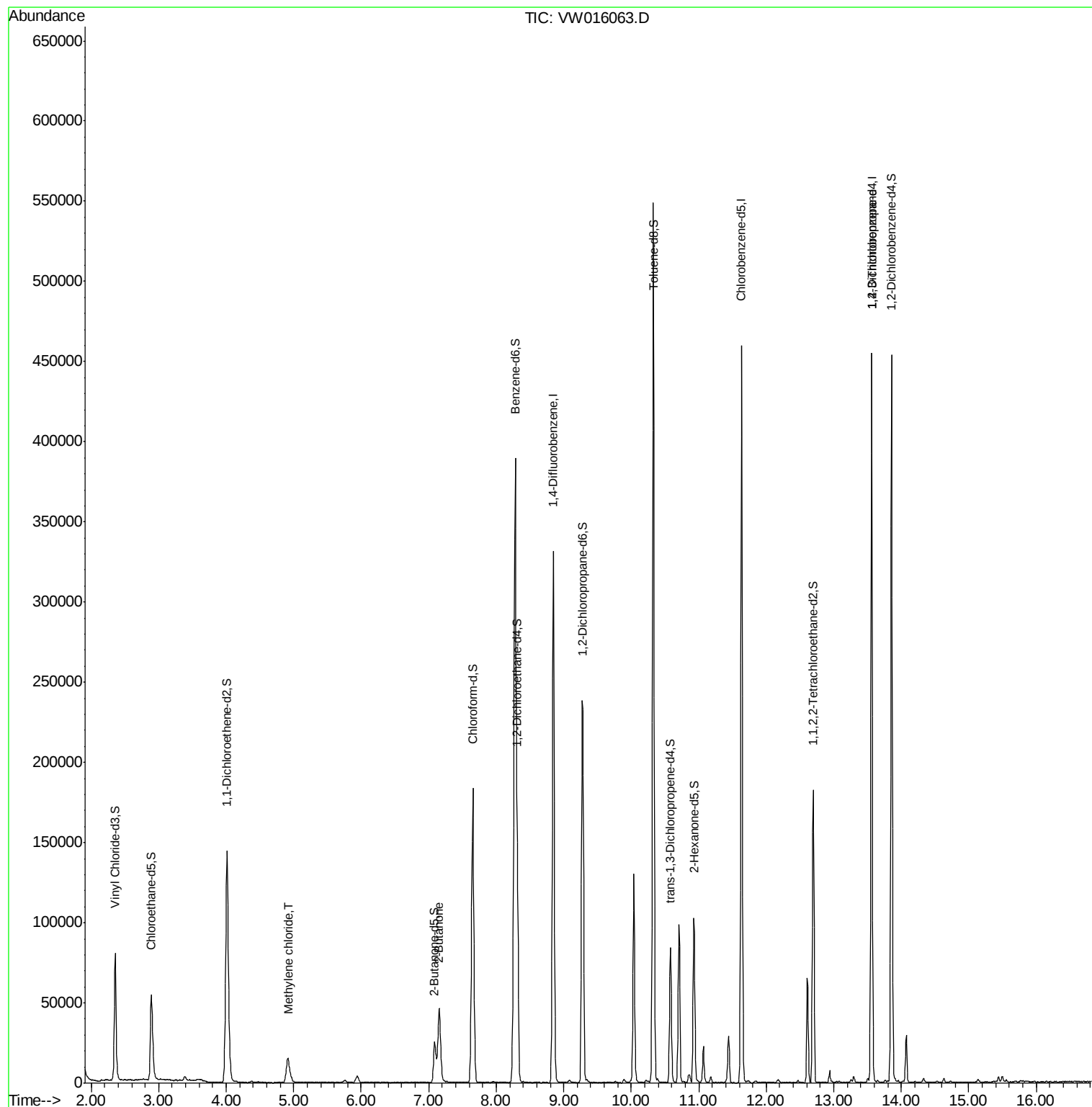
| Target Compounds           |       |    |       |            | Ovalue |
|----------------------------|-------|----|-------|------------|--------|
| 16) Methylene chloride     | 4.92  | 84 | 12425 | 2.635 ug/L | 84     |
| 21) 2-Butanone             | 7.16  | 43 | 2392  | 2.159 ug/L | # 58   |
| 59) 1,2,3-Trichloropropane | 13.55 | 75 | 13258 | 5.188 ug/L | 92     |

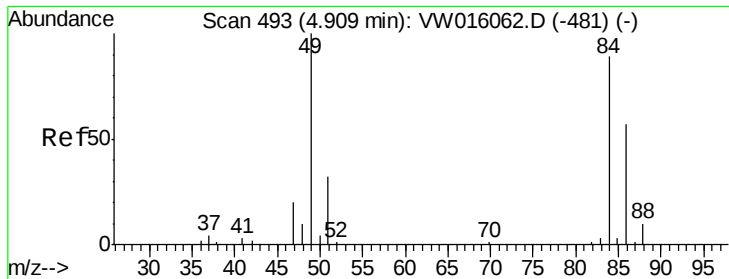
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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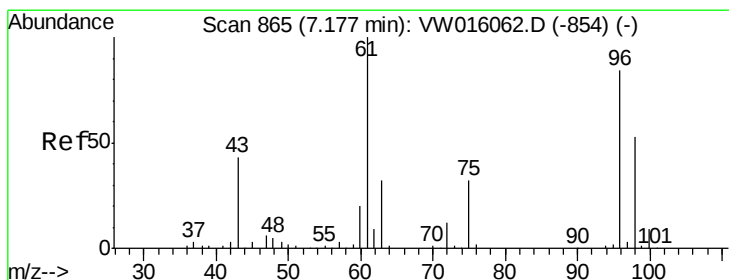
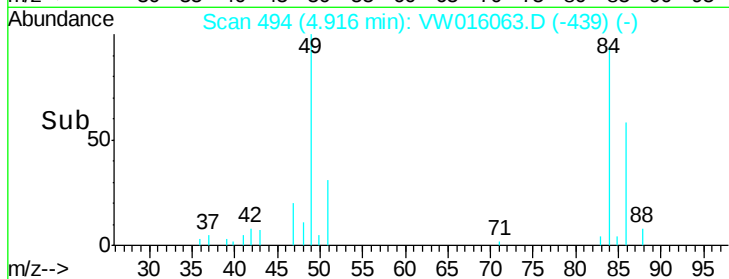
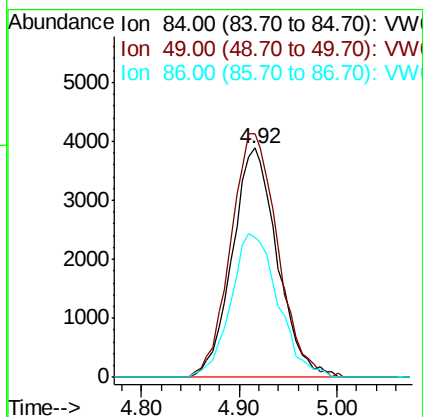
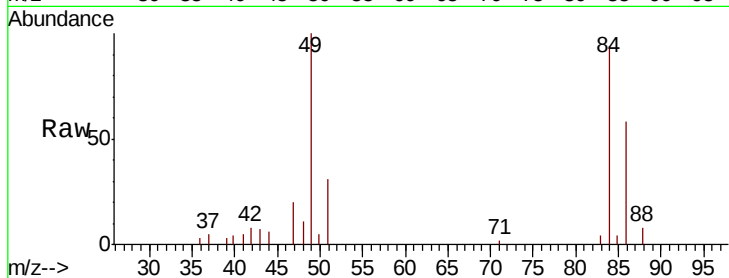




#16  
Methylene chloride  
Concen: 2.635 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW016063.D  
Acq: 07 Aug 2020 09:26

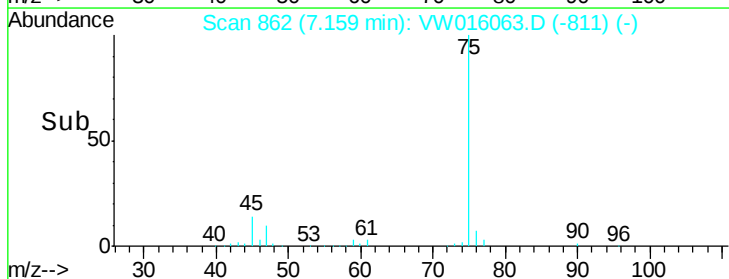
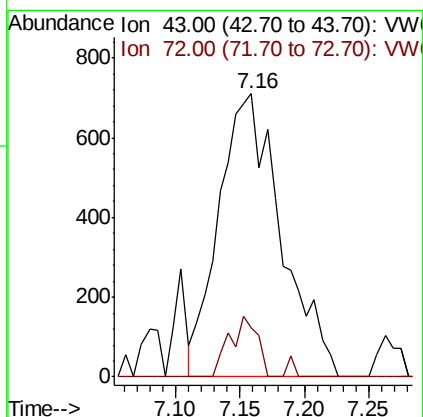
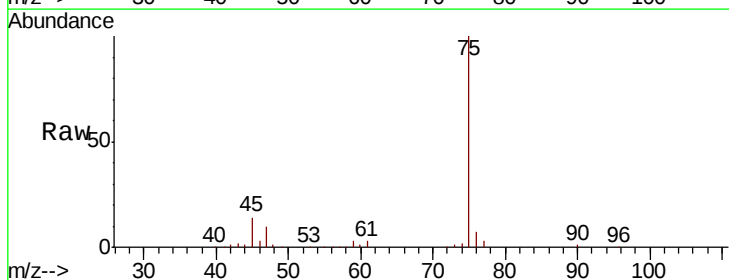
Instrument :  
MSVOA\_W  
ClientSampled :

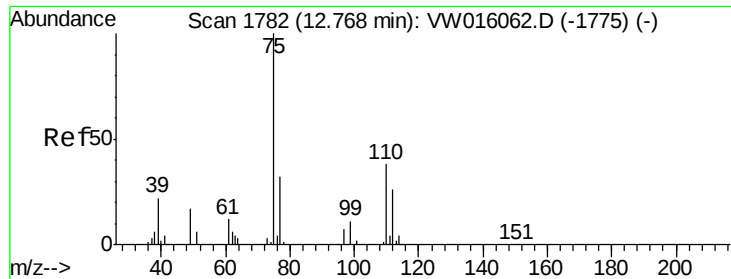
Tot Ion: 84 Resp: 12425  
Ion Ratio Lower Upper  
84 100  
49 106.2 91.1 169.1  
86 61.1 46.0 85.4



#21  
2-Butanone  
Concen: 2.159 ug/L  
RT: 7.16 min Scan# 862  
Delta R.T. -0.02 min  
Lab File: VW016063.D  
Acq: 07 Aug 2020 09:26

Tgt Ion: 43 Resp: 2392  
Ion Ratio Lower Upper  
43 100  
72 5.8 13.9 41.7#





#59

1,2,3-Trichloropropane

Concen: 5.188 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW016063.D

Acq: 07 Aug 2020 09:26

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 75 Resp: 13258

Ion Ratio Lower Upper

75 100

77 36.9 26.0 39.0

