

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\  
 Data File : VW017558.D  
 Acq On : 04 Dec 2020 16:04  
 Operator : SY/VA  
 Sample : L4941-09  
 Misc : 5.10G/10ML/MSVOA W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 20 01:47:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Dec 20 01:44:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 2159469  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 1782283  | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 757634   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 97666    | 3.44     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 13.76%# |
| 7) Chloroethane-d5             | 2.89   | 69    | 89051    | 3.72     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 14.88%# |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 174494   | 2.76     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 11.04%# |
| 20) 2-Butanone-d5              | 7.08   | 46    | 46418    | 7.75     | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 15.50%# |
| 24) Chloroform-d               | 7.65   | 84    | 252206   | 4.11     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 16.44%# |
| 26) 1,2-Dichloroethane-d4      | 8.41   | 65    | 122      | 0.00     | ug/L | 0.11    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.00%#  |
| 29) Benzene-d6                 | 8.27   | 84    | 475018   | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 17.32%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 140697   | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 18.56%# |
| 37) Toluene-d8                 | 10.33  | 98    | 424437   | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 17.00%# |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 51891    | 3.83     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 15.32%# |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 27383    | 7.30     | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 14.60%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 92469    | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 16.96%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 119740   | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 17.08%# |

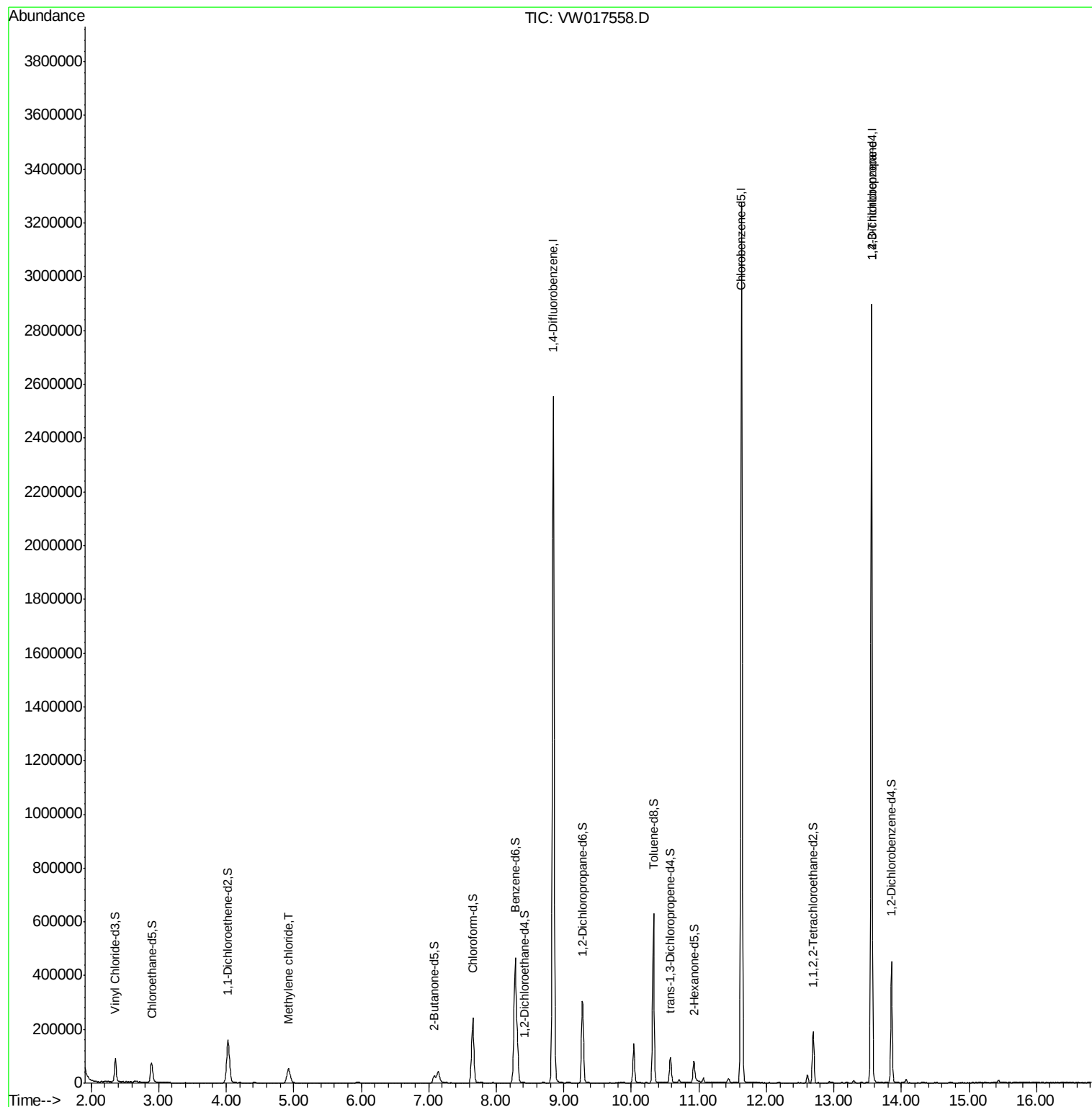
| Target Compounds           |       |    |       |            | Ovalue |
|----------------------------|-------|----|-------|------------|--------|
| 16) Methylene chloride     | 4.93  | 84 | 45324 | 1.398 ug/L | 97     |
| 59) 1,2,3-Trichloropropane | 13.56 | 75 | 89361 | 5.966 ug/L | 99     |

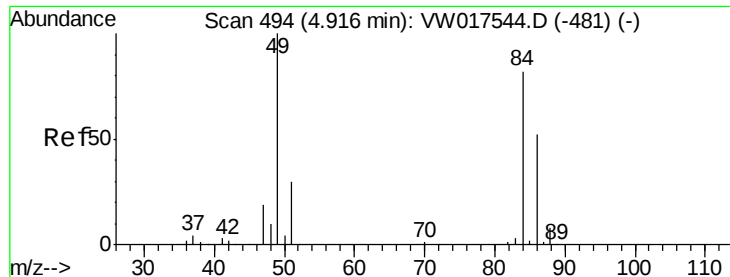
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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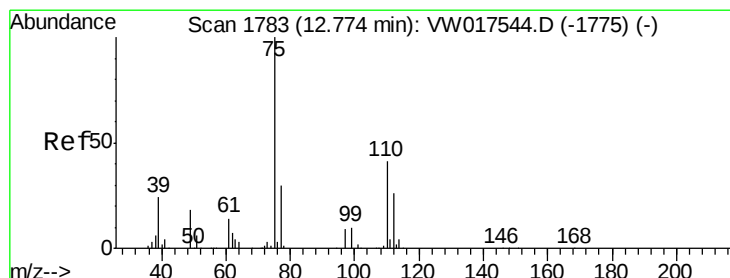
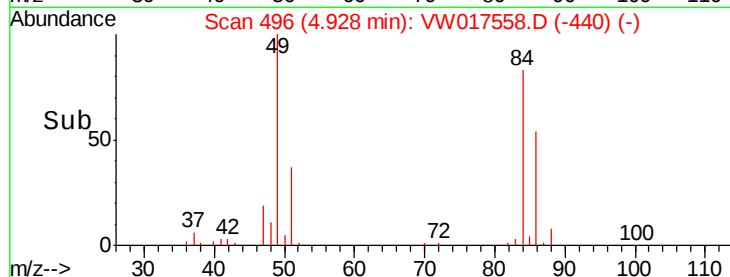
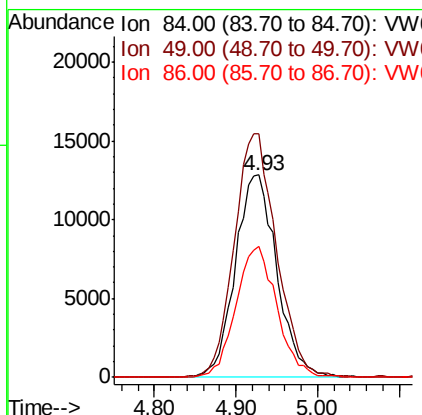
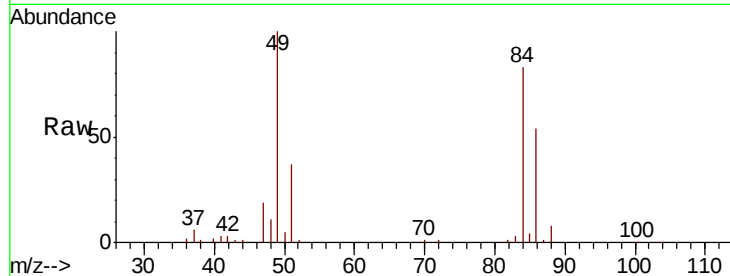




#16  
Methylene chloride  
Concen: 1.398 ug/L  
RT: 4.93 min Scan# 496  
Delta R.T. 0.01 min  
Lab File: VW017558.D  
Acq: 04 Dec 2020 16:04

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 84 Resp: 45324  
Ion Ratio Lower Upper  
84 100  
49 120.5 81.2 150.8  
86 64.8 44.5 82.7



#59  
1,2,3-Trichloropropane  
Concen: 5.966 ug/L  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.79 min  
Lab File: VW017558.D  
Acq: 04 Dec 2020 16:04

Tgt Ion: 75 Resp: 89361  
Ion Ratio Lower Upper  
75 100  
77 33.6 26.6 39.8

