

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090320\  
 Data File : VW016449.D  
 Acq On : 03 Sep 2020 16:31  
 Operator : SY/VA  
 Sample : L3905-05  
 Misc : 4.79G/10ML/MSVOA W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Sep 04 05:36:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM090320S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 04 04:59:18 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 867072   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 775365   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 369661   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 275758   | 29.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 119.92% |
| 7) Chloroethane-d5             | 2.90   | 69    | 228096   | 27.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 110.44% |
| 10) 1,1-Dichloroethene-d2      | 4.20   | 63    | 286      | 0.01     | ug/L | 0.18    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 0.04%#  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 129054   | 39.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 78.56%  |
| 24) Chloroform-d               | 7.65   | 84    | 509000   | 25.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 100.24% |
| 26) 1,2-Dichloroethane-d4      | 8.12   | 65    | 142      | 0.01     | ug/L | -0.20   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.04%#  |
| 29) Benzene-d6                 | 8.27   | 84    | 1043998  | 26.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 105.96% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 294495   | 25.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.72% |
| 37) Toluene-d8                 | 10.33  | 98    | 1004166  | 26.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 107.20% |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 147961   | 25.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 101.28% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 110378   | 46.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.28%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 233948   | 23.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 95.56%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 335235   | 26.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 104.96% |

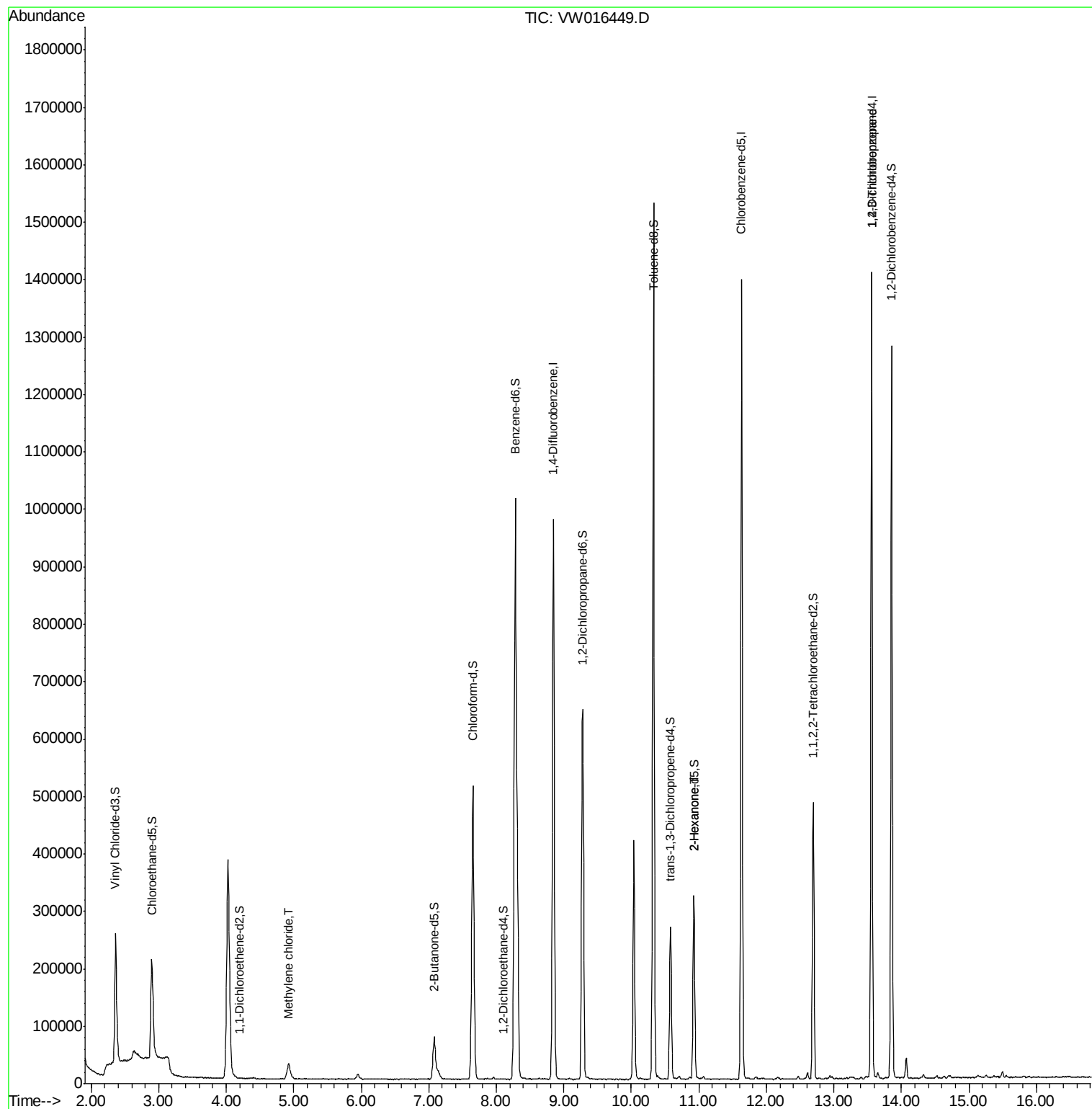
| Target Compounds           |       |    |       |              | Ovalue |
|----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride     | 4.92  | 84 | 22658 | 1.674 ug/L   | 94     |
| 49) 2-Hexanone             | 10.93 | 43 | 14285 | 2.764 ug/L # | 62     |
| 59) 1,2,3-Trichloropropane | 13.56 | 75 | 44360 | 5.993 ug/L   | 90     |

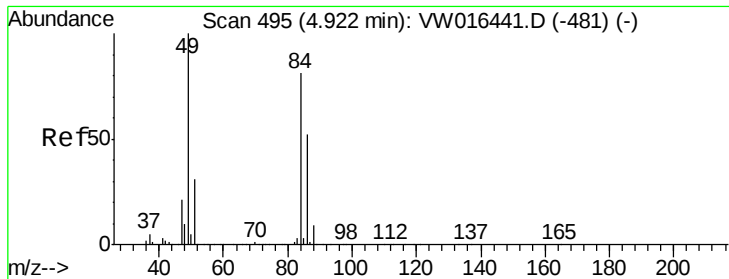
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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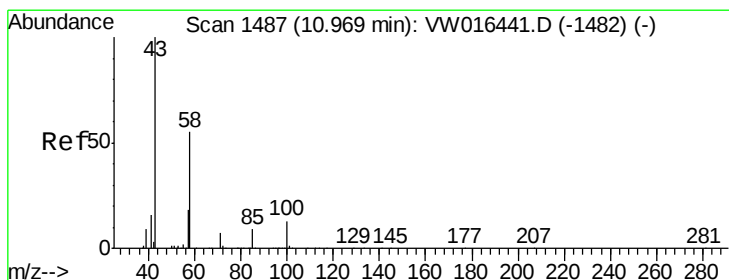
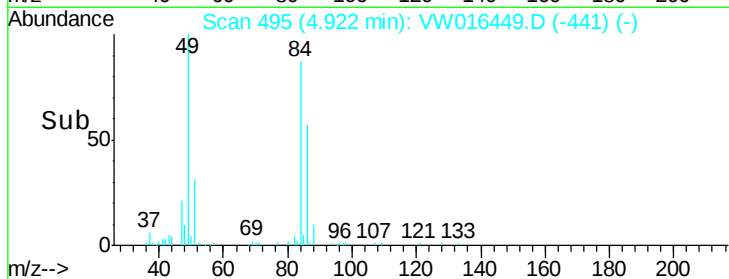
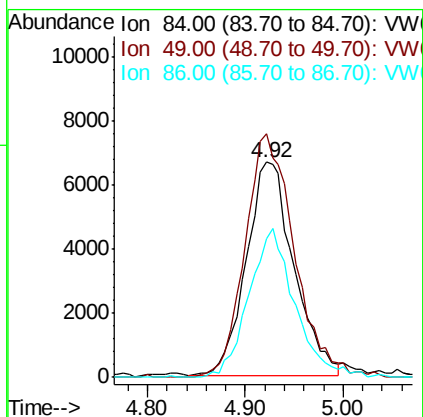
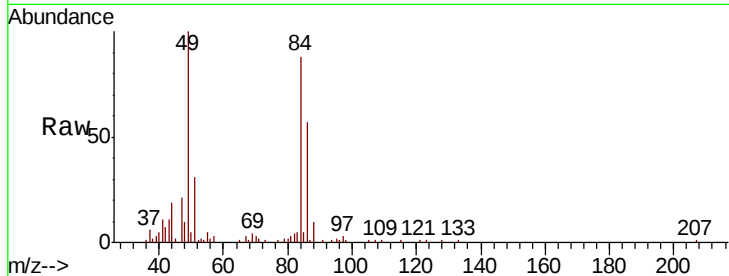




#16  
Methylene chloride  
Concen: 1.674 ug/L  
RT: 4.92 min Scan# 495  
Delta R.T. -0.00 min  
Lab File: VW016449.D  
Acq: 03 Sep 2020 16:31

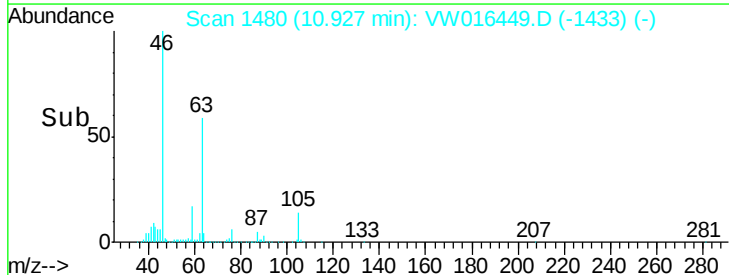
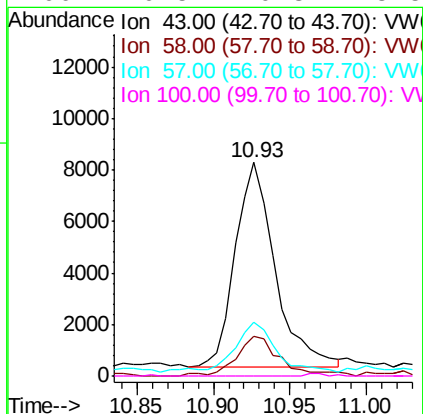
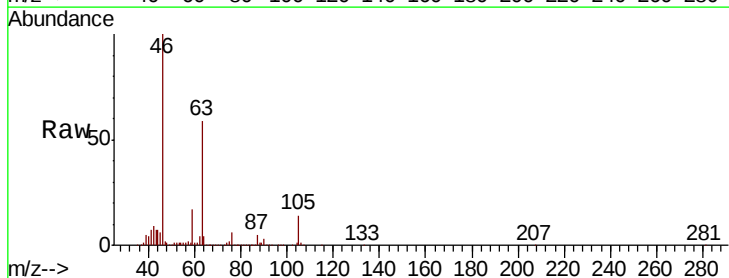
Instrument :  
MSVOA\_W  
ClientSampleId :

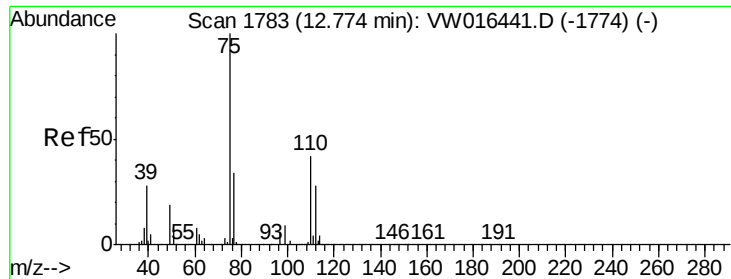
Tot Ion: 84 Resp: 22658  
Ion Ratio Lower Upper  
84 100  
49 113.1 86.7 160.9  
86 64.2 44.9 83.5



#49  
2-Hexanone  
Concen: 2.764 ug/L  
RT: 10.93 min Scan# 1480  
Delta R.T. -0.04 min  
Lab File: VW016449.D  
Acq: 03 Sep 2020 16:31

Tgt Ion: 43 Resp: 14285  
Ion Ratio Lower Upper  
43 100  
58 18.6 42.1 63.1#  
57 24.2 14.9 22.3#  
100 0.5 10.3 15.5#





#59

1,2,3-Trichloropropane

Concen: 5.993 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016449.D

Acq: 03 Sep 2020 16:31

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 75 Resp: 44360

Ion Ratio Lower Upper

75 100

77 38.1 26.0 39.0

