

Data File : VV014263.D  
Acq On : 06 Jan 2020 11:11  
Operator : SY/MD  
Sample : VV0106WBL01  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK45

Quant Time: Jan 07 01:21:52 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR010220WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Jan 07 01:19:28 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 922810   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 842255   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 379496   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 289469   | 4.48     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 89.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 220179   | 4.41     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 88.20% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 349824   | 3.67     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 73.40% |
| 20) 2-Butanone-d5              | 3.96   | 46    | 723767   | 46.66    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 93.32% |
| 24) Chloroform-d               | 4.40   | 84    | 572263   | 4.59     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.80% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 290744   | 4.65     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.00% |
| 32) Benzene-d6                 | 5.10   | 84    | 1213073  | 4.83     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.60% |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 379266   | 4.87     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.40% |
| 41) Toluene-d8                 | 7.36   | 98    | 1097447  | 4.78     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.60% |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 160489   | 4.66     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.20% |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 660904   | 45.28    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.56% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25  | 84    | 254664   | 4.67     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 346207   | 4.86     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 97.20% |

#### Target Compounds

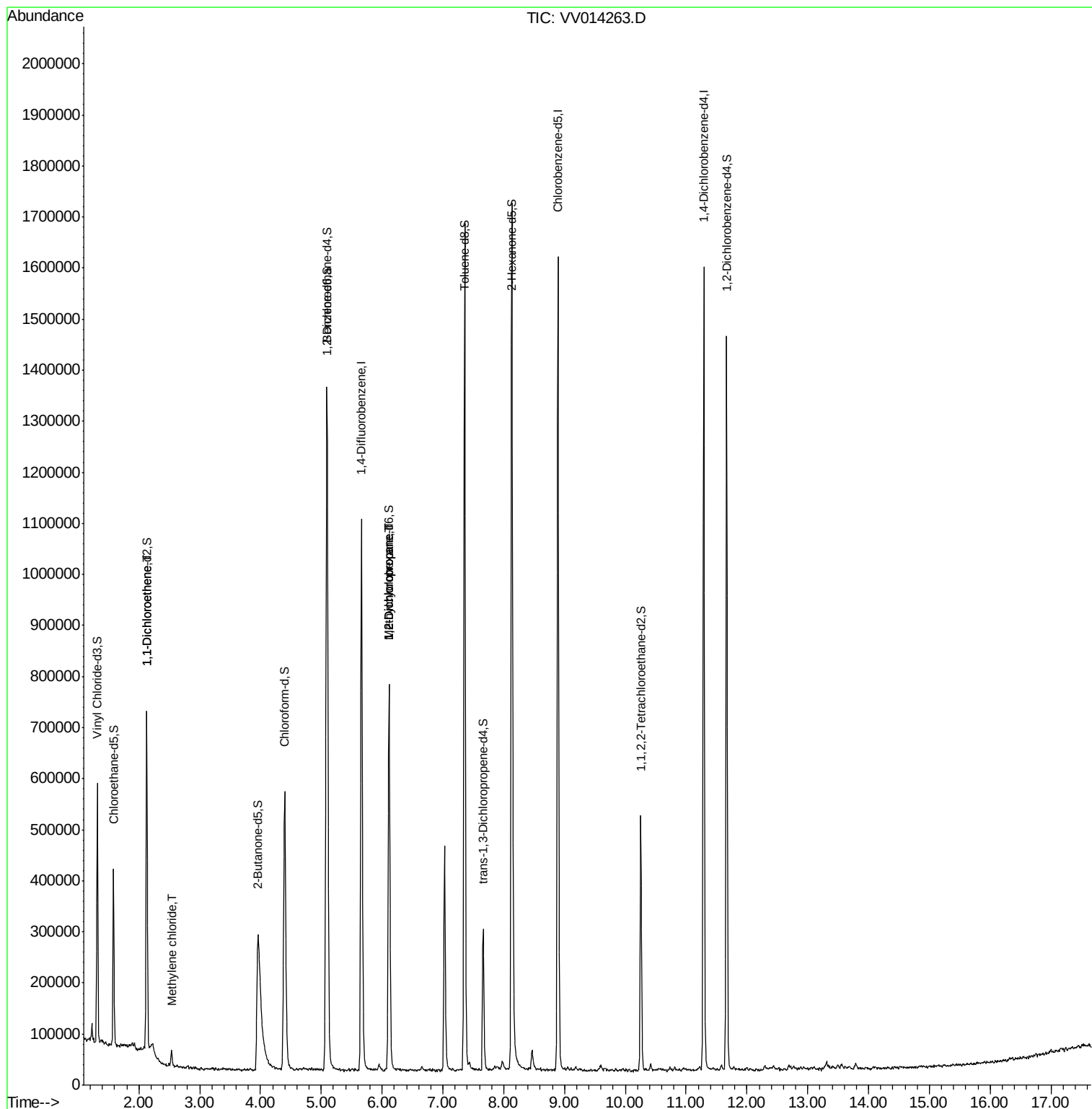
|                         |      |    |       |       | Qvalue |    |
|-------------------------|------|----|-------|-------|--------|----|
| 12) 1,1-Dichloroethene  | 2.13 | 96 | 3547  | 0.086 | ug/L # | 1  |
| 16) Methylene chloride  | 2.54 | 84 | 12586 | 0.188 | ug/L   | 87 |
| 35) Methylcyclohexane   | 6.11 | 83 | 89363 | 0.820 | ug/L # | 19 |
| 37) 1,2-Dichloropropane | 6.11 | 63 | 38528 | 0.588 | ug/L # | 89 |

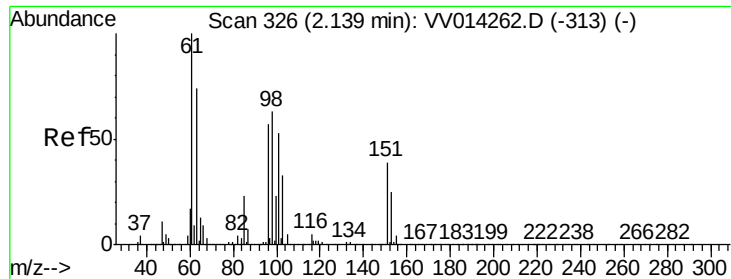
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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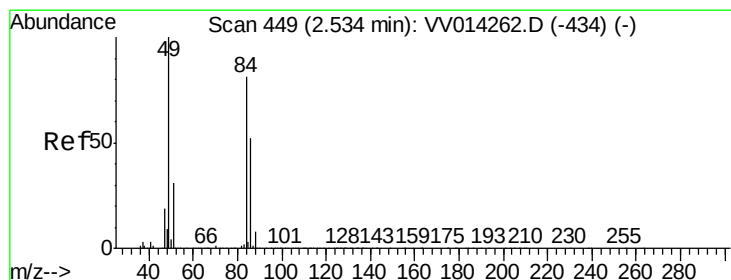
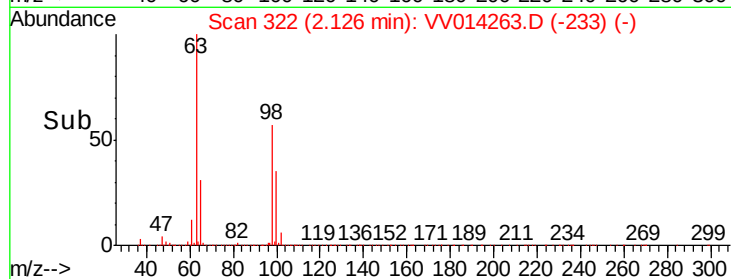
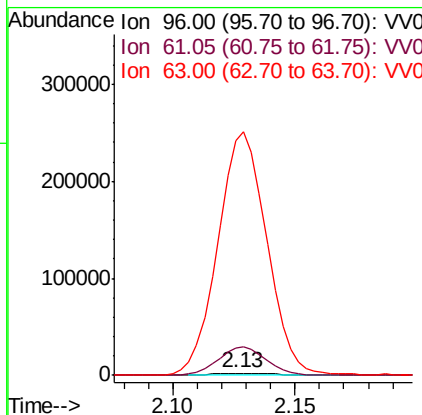
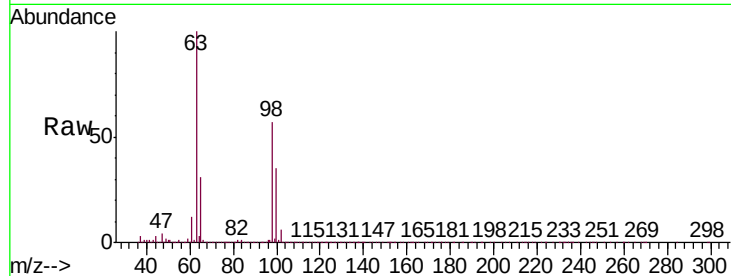




#12  
 1,1-Dichloroethene  
 Concen: 0.086 ug/L  
 RT: 2.13 min Scan# 322  
 Delta R.T. -0.01 min  
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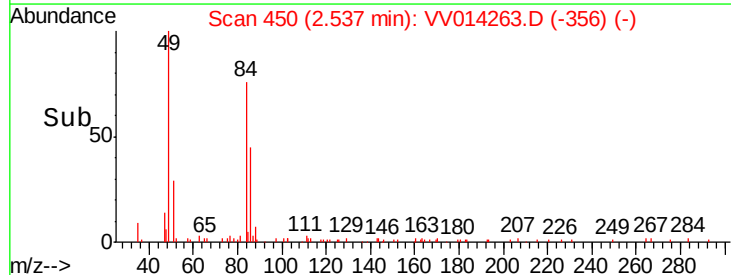
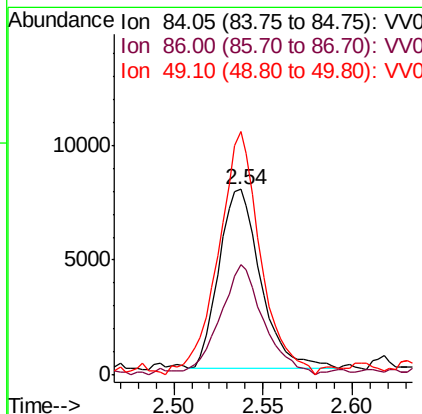
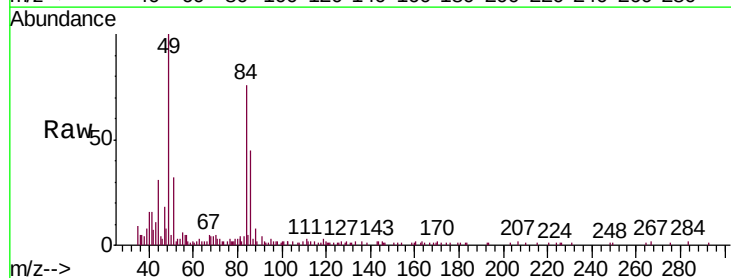
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK45

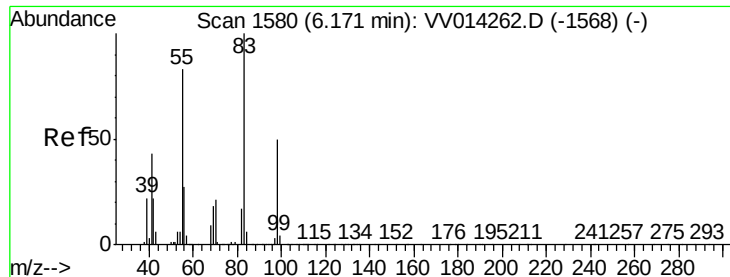
Tgt Ion: 96 Resp: 3547  
 Ion Ratio Lower Upper  
 96 100  
 61 1167.2 121.5 225.7#  
 63 10029.9 90.3 167.7#



#16  
 Methylene chloride  
 Concen: 0.188 ug/L  
 RT: 2.54 min Scan# 450  
 Delta R.T. 0.00 min  
 Lab File: VV014263.D  
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Tgt Ion: 84 Resp: 12586  
 Ion Ratio Lower Upper  
 84 100  
 86 59.6 43.1 80.1  
 49 137.9 82.1 152.5

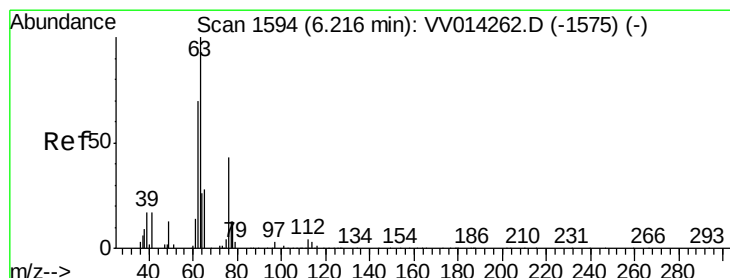
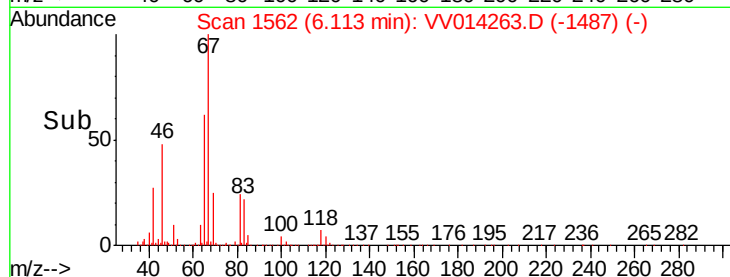
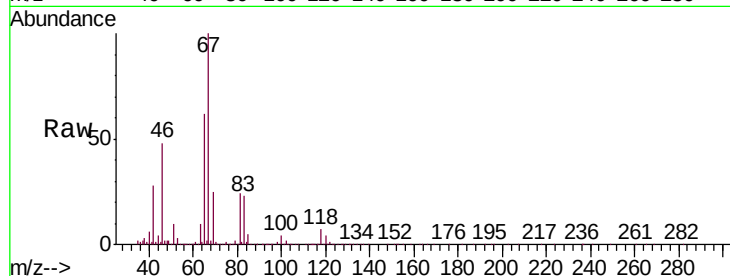
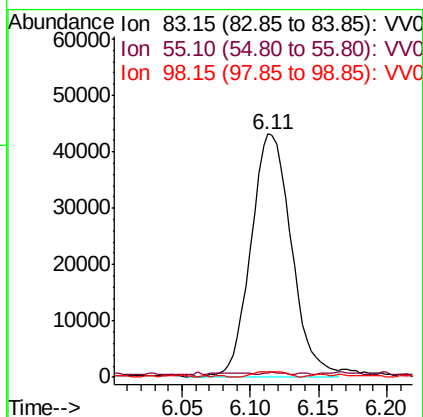




#35  
Methylcyclohexane  
Concen: 0.820 ug/L  
RT: 6.11 min Scan# 1562  
Delta R.T. -0.06 min  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 0.4   | 61.7  | 92.5# |
| 98      | 2.0   | 38.1  | 57.1# |



#37  
1,2-Dichloropropane  
Concen: 0.588 ug/L  
RT: 6.11 min Scan# 1562  
Delta R.T. -0.10 min  
Lab File: VV014263.D  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 112     | 0.8   | 3.7   | 5.5#  |

