

Data File : VV008887.D  
Acq On : 10 Dec 2018 13:36  
Operator : SY/MD  
Sample : VV1210WBL01  
Misc : 25.0ML/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK63

Quant Time: Dec 11 03:24:20 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR120518WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Dec 11 03:21:37 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 129799   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 119884   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 55102    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 23214    | 3.35     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 67.00% |
| 7) Chloroethane-d5             | 1.58   | 69    | 20412    | 4.00     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 80.00% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 45216    | 3.39     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.80% |
| 20) 2-Butanone-d5              | 3.98   | 46    | 74092    | 43.34    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 86.68% |
| 24) Chloroform-d               | 4.40   | 84    | 62926    | 3.91     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 78.20% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 32191    | 4.23     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.60% |
| 32) Benzene-d6                 | 5.10   | 84    | 126846   | 4.05     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 81.00% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 38433    | 4.18     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 83.60% |
| 41) Toluene-d8                 | 7.36   | 98    | 113581   | 3.83     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 76.60% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 14131    | 4.07     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.40% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 56430    | 42.64    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 85.28% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 24869    | 4.03     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 80.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 42213    | 4.16     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 83.20% |

#### Target Compounds

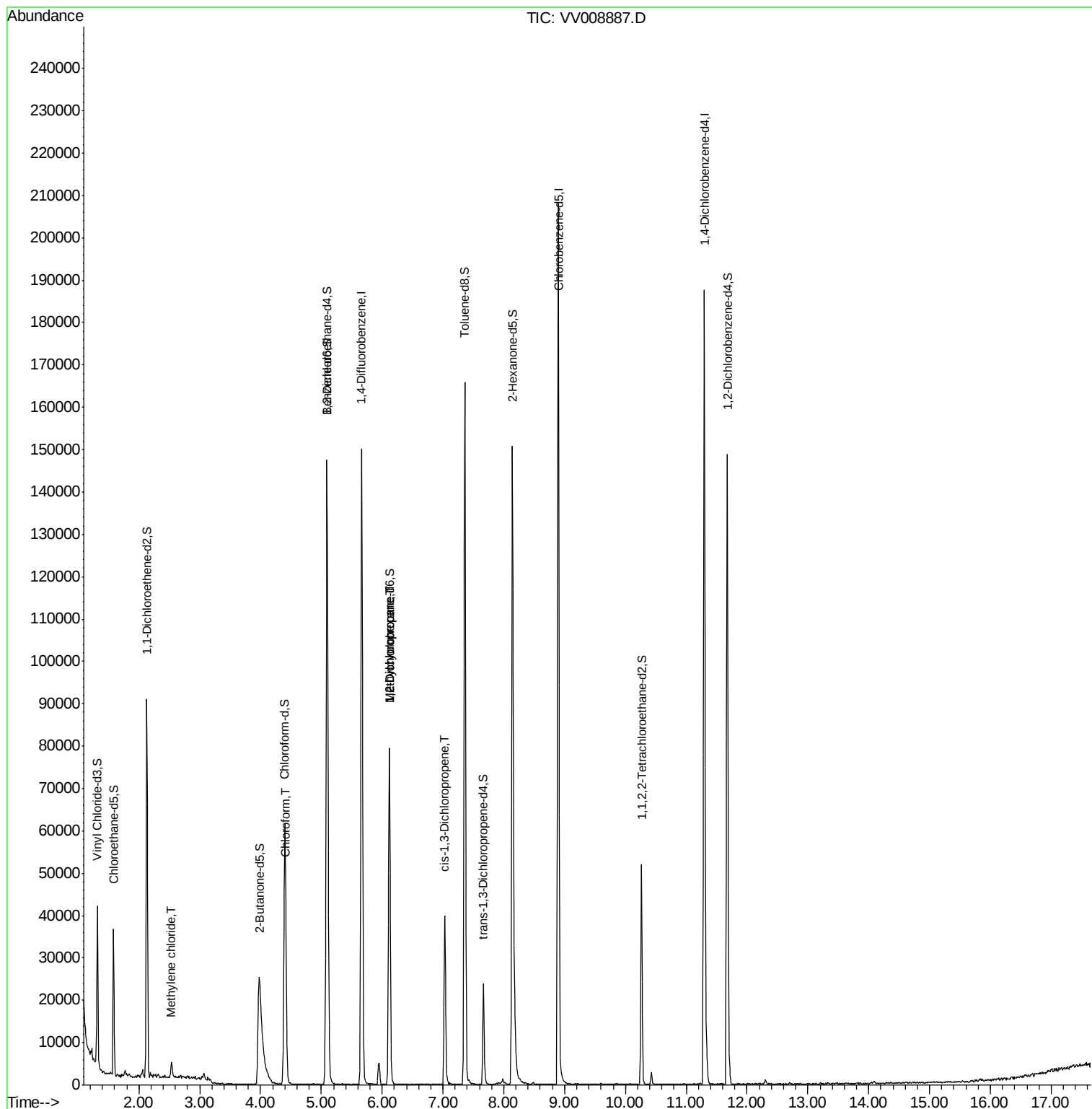
|                             |      |    |      |              | Qvalue |
|-----------------------------|------|----|------|--------------|--------|
| 16) Methylene chloride      | 2.53 | 84 | 1632 | 0.238 ug/L   | 98     |
| 25) Chloroform              | 4.42 | 83 | 1901 | 0.115 ug/L   | 94     |
| 35) Methylcyclohexane       | 6.12 | 83 | 9490 | 0.605 ug/L # | 19     |
| 37) 1,2-Dichloropropane     | 6.12 | 63 | 4766 | 0.571 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.03 | 75 | 949  | 0.081 ug/L # | 66     |

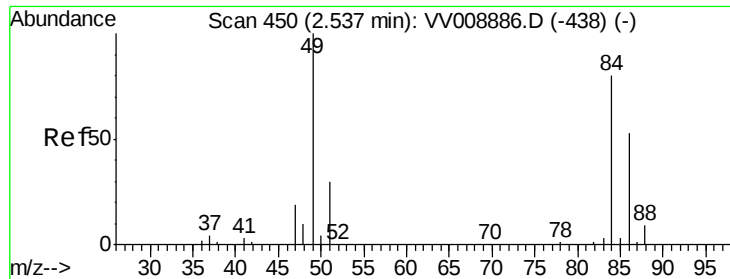
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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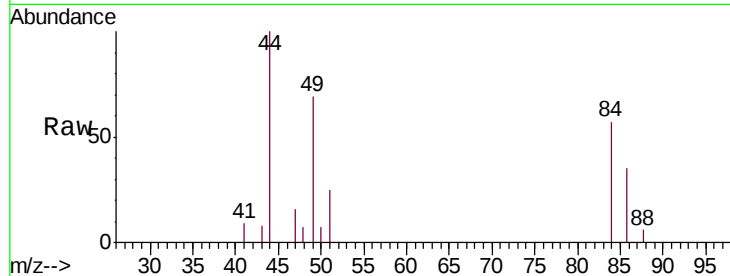




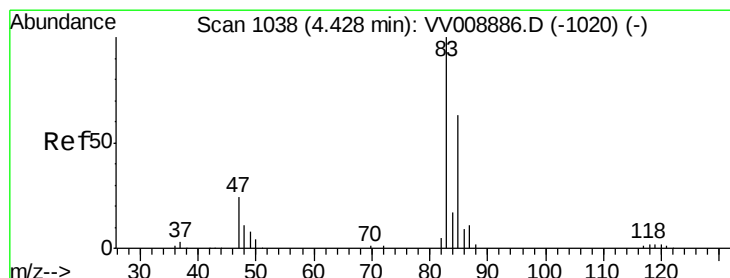
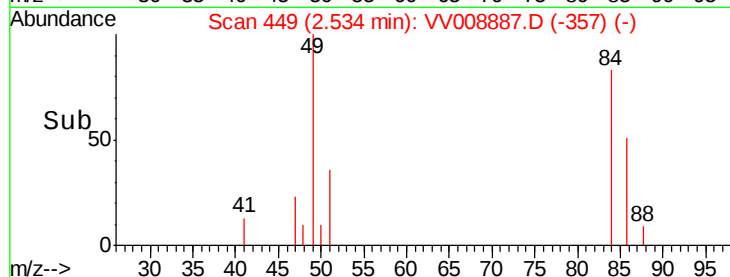
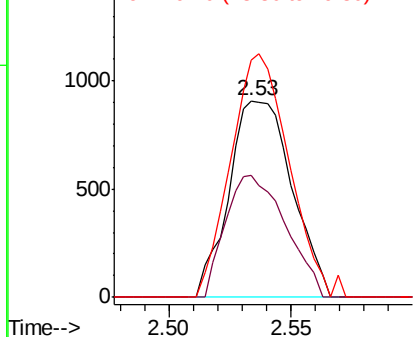
#16  
Methylene chloride  
Concen: 0.238 ug/L  
RT: 2.53 min Scan# 449  
Delta R.T. -0.00 min  
Lab File: VV008887.D  
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Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK63

Tgt Ion: 84 Resp: 1632  
Ion Ratio Lower Upper  
84 100  
86 61.9 46.7 86.7  
49 120.7 84.8 157.4

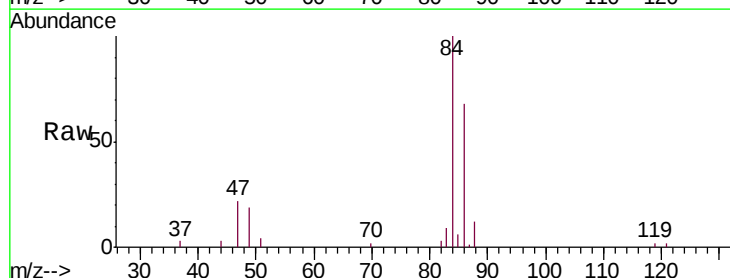


Abundance Ion 84.05 (83.75 to 84.75): VV0  
Ion 86.00 (85.70 to 86.70): VV0  
Ion 49.10 (48.80 to 49.80): VV0

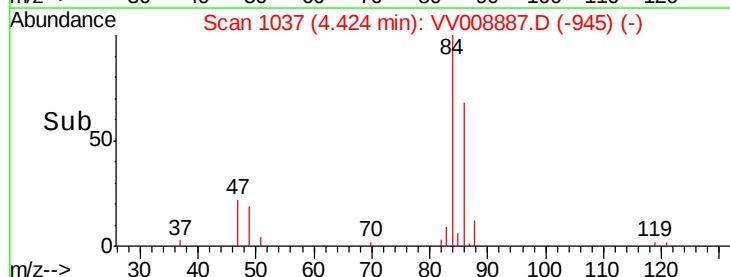
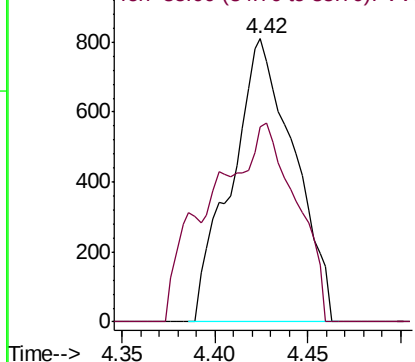


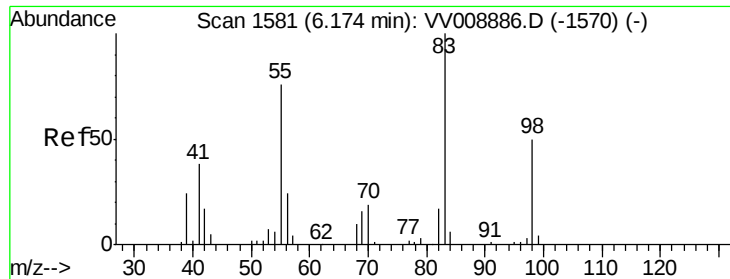
#25  
Chloroform  
Concen: 0.115 ug/L  
RT: 4.42 min Scan# 1037  
Delta R.T. -0.00 min  
Lab File: VV008887.D  
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Tgt Ion: 83 Resp: 1901  
Ion Ratio Lower Upper  
83 100  
85 68.7 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VV0  
Ion 85.00 (84.70 to 85.70): VV0

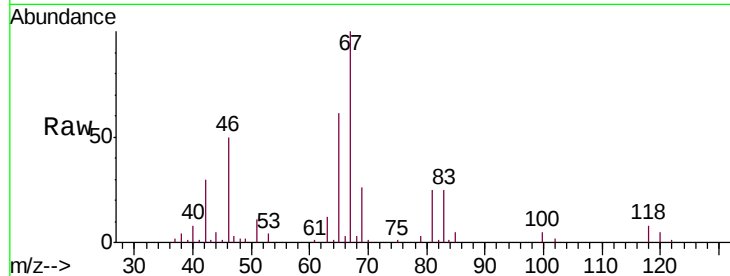




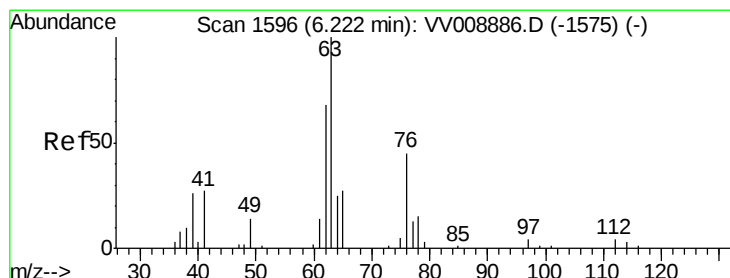
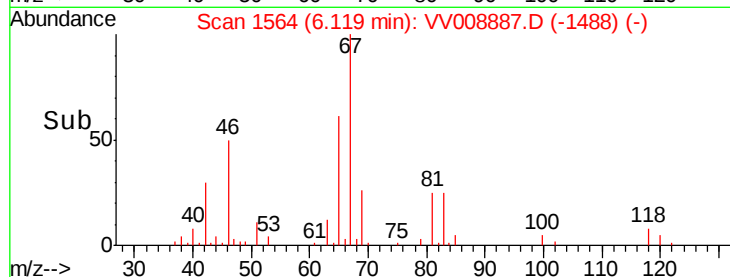
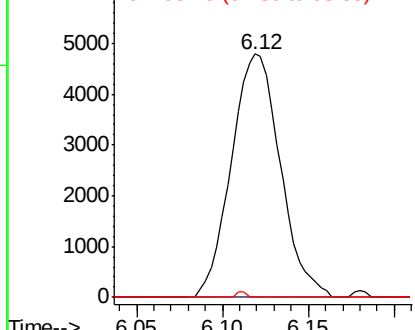
#35  
Methylcyclohexane  
Concen: 0.605 ug/L  
RT: 6.12 min Scan# 1564  
Delta R.T. -0.05 min  
Lab File: VV008887.D  
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MSVOA\_V  
ClientSampled :  
VBLK63

Tgt Ion: 83 Resp: 9490  
Ion Ratio Lower Upper  
83 100  
55 0.0 60.0 90.0#  
98 0.5 39.0 58.6#

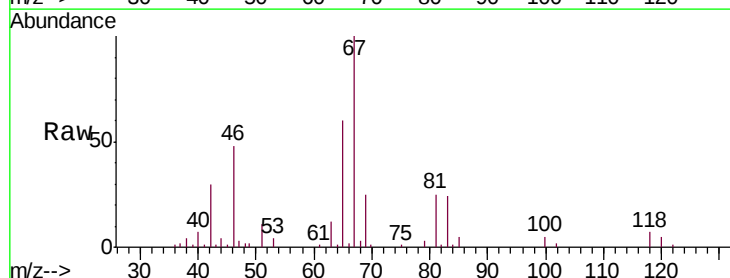


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

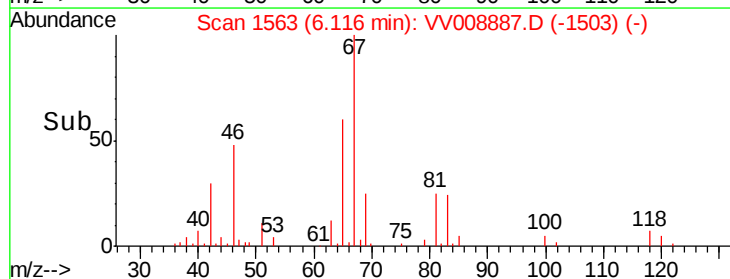
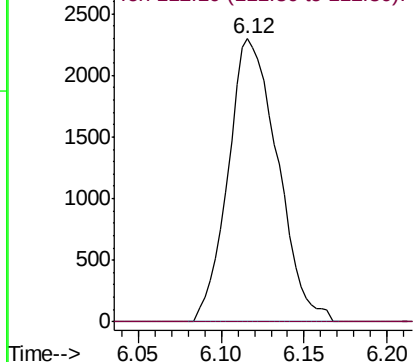


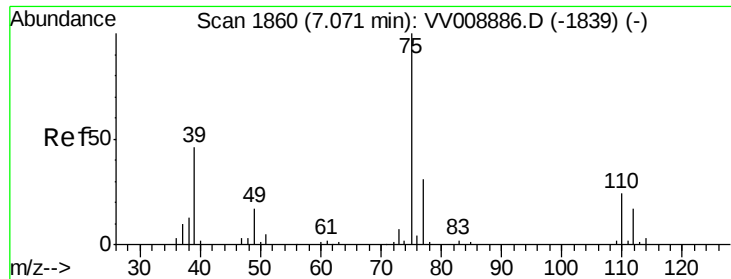
#37  
1,2-Dichloropropane  
Concen: 0.571 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.11 min  
Lab File: VV008887.D  
Acq: 10 Dec 2018 13:36

Tgt Ion: 63 Resp: 4766  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene  
 Concen: 0.081 ug/L  
 RT: 7.03 min Scan# 1847  
 Delta R.T. -0.04 min  
 Lab File: VV008887.D  
 Acq: 10 Dec 2018 13:36

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK63

Tgt Ion: 75 Resp: 949  
 Ion Ratio Lower Upper  
 75 100  
 77 50.9 22.3 41.3#

