

Data File : VV013884.D  
Acq On : 03 Dec 2019 11:22  
Operator : SY/MD  
Sample : K6061-10  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK01

Quant Time: Dec 04 01:14:00 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Dec 04 01:11:22 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 593798   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 561811   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 247410   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 166414   | 48.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 96.92%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 183104   | 51.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 102.16% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 284351   | 37.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.88%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 259321   | 107.28   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.28% |
| 24) Chloroform-d               | 4.40    | 84    | 376885   | 52.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.52% |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 251898   | 55.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.24% |
| 32) Benzene-d6                 | 5.09    | 84    | 768096   | 52.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.52% |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 235893   | 53.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 107.96% |
| 41) Toluene-d8                 | 7.35    | 98    | 655439   | 49.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.78%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 104034   | 48.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.86%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 143305   | 87.83    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 87.83%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 328992   | 51.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 103.98% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 285684   | 58.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 117.58% |

#### Target Compounds

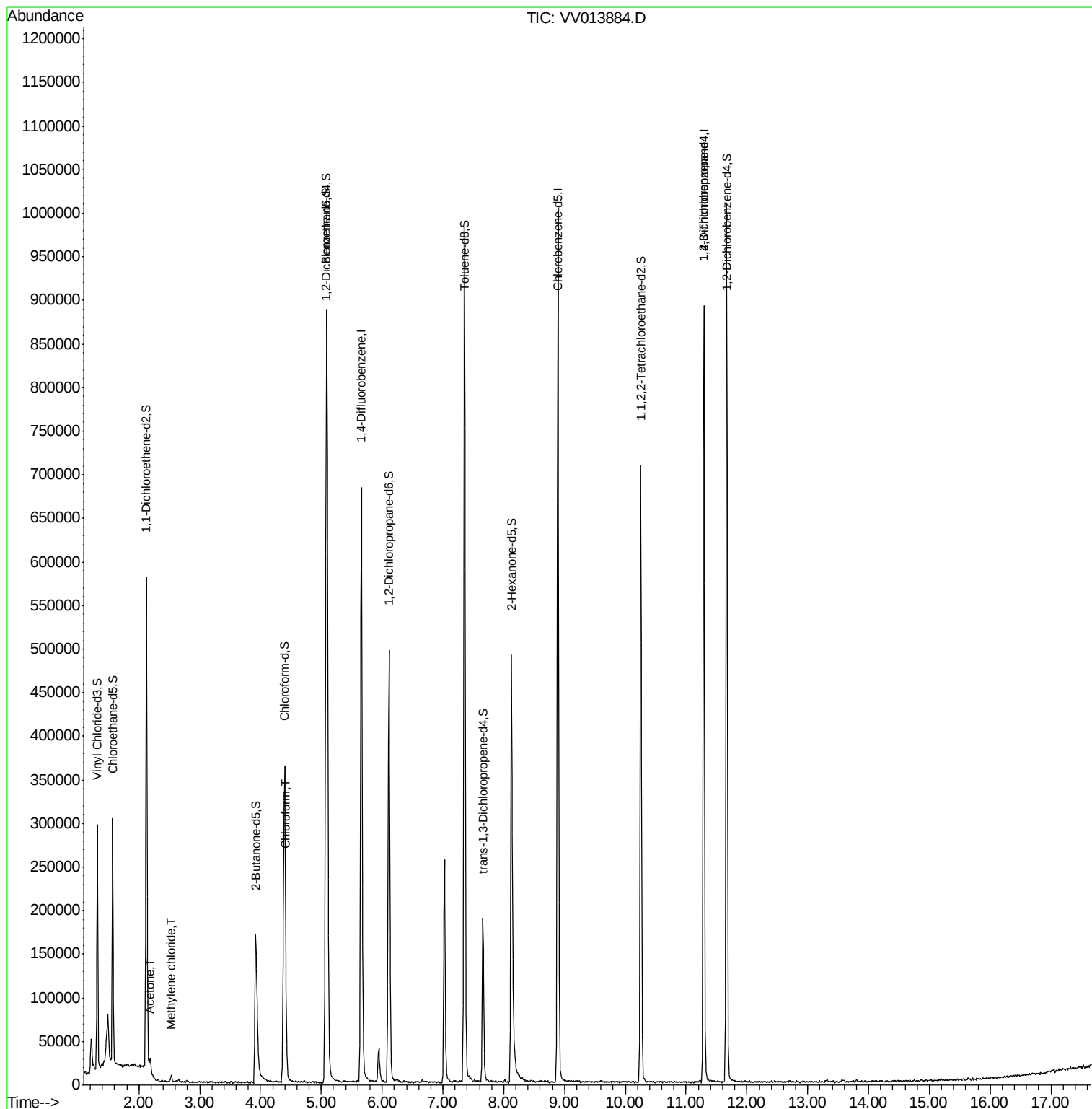
|                            |       |    |       |            | Qvalue |
|----------------------------|-------|----|-------|------------|--------|
| 13) Acetone                | 2.18  | 43 | 6685  | 1.887 ug/L | 84     |
| 16) Methylene chloride     | 2.53  | 84 | 3177  | 0.707 ug/L | 86     |
| 25) Chloroform             | 4.42  | 83 | 8202  | 1.009 ug/L | 100    |
| 59) 1,2,3-Trichloropropane | 11.29 | 75 | 23150 | 4.225 ug/L | 90     |

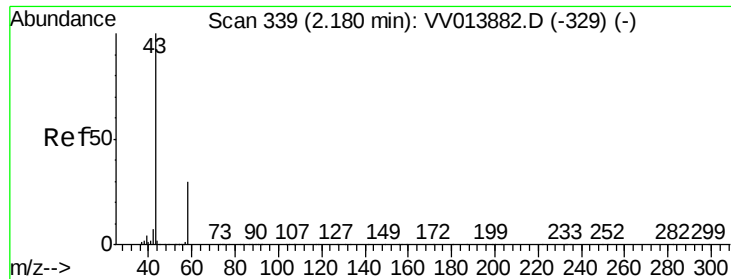
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.887 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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Acq: 03 Dec 2019 11:22

Instrument :

MSVOA\_V

ClientSampleId :

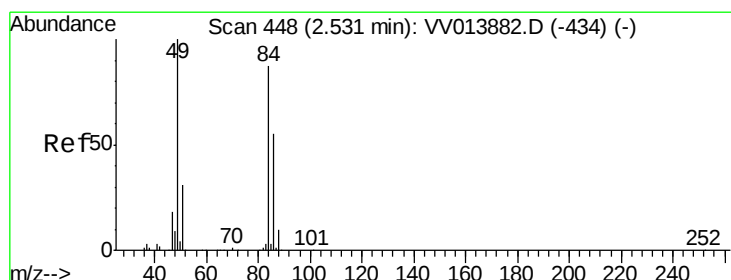
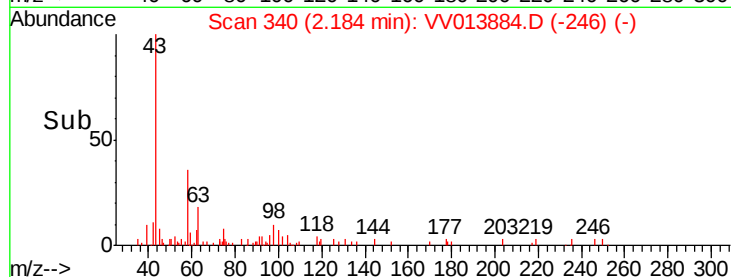
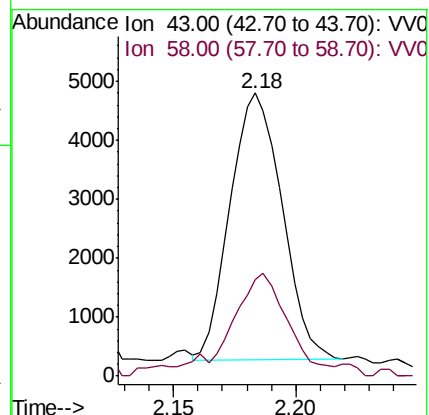
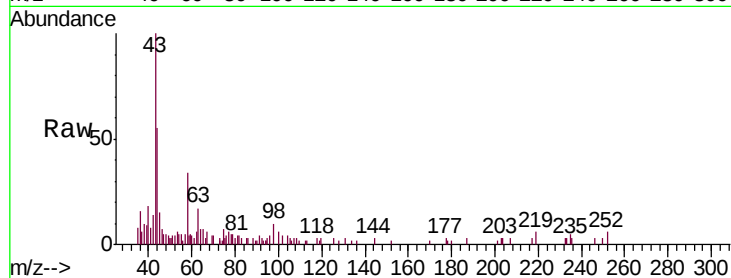
VHBLK01

Tgt Ion: 43 Resp: 6685

Ion Ratio Lower Upper

43 100

58 39.1 0.0 60.8



#16

Methylene chloride

Concen: 0.707 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

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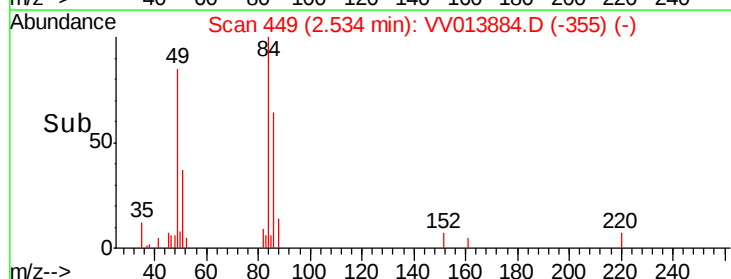
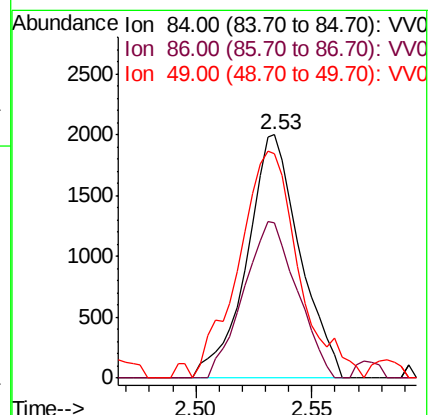
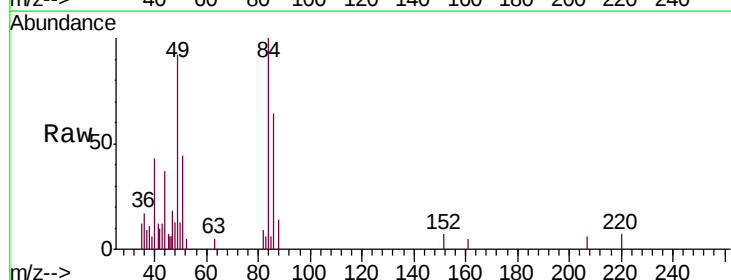
Tgt Ion: 84 Resp: 3177

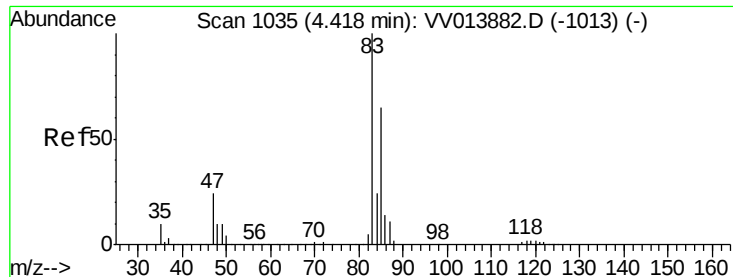
Ion Ratio Lower Upper

84 100

86 64.0 43.9 81.5

49 92.2 79.7 147.9

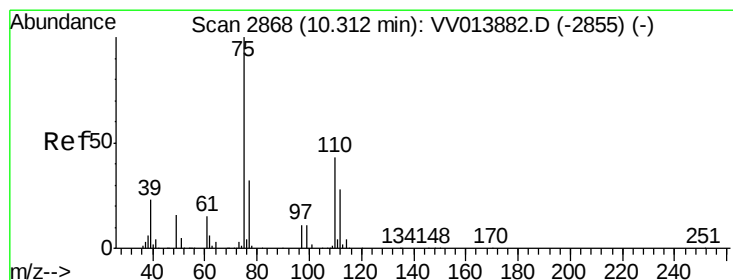
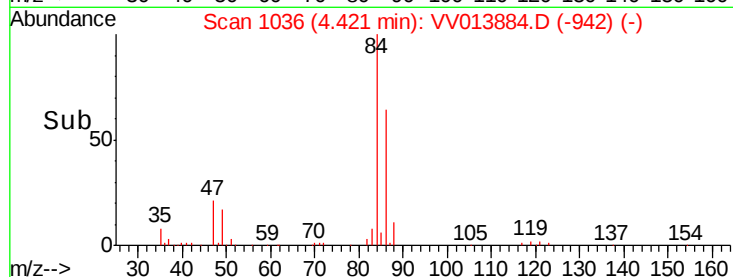
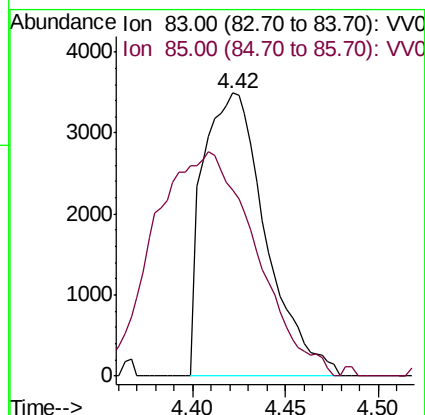
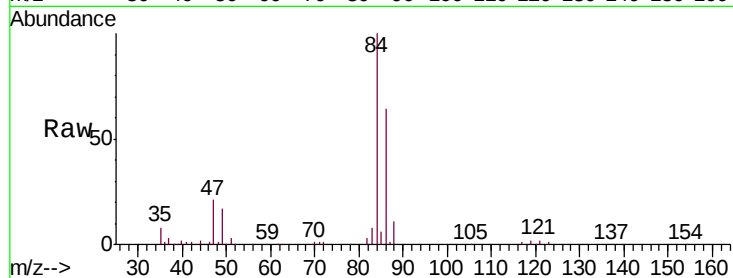




#25  
Chloroform  
Concen: 1.009 ug/L  
RT: 4.42 min Scan# 1036  
Delta R.T. 0.00 min  
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Tgt Ion: 83 Resp: 8202  
Ion Ratio Lower Upper  
83 100  
85 65.6 45.7 84.9



#59  
1,2,3-Trichloropropane  
Concen: 4.225 ug/L  
RT: 11.29 min Scan# 3172  
Delta R.T. 0.98 min  
Lab File: VV013884.D  
Acq: 03 Dec 2019 11:22

Tgt Ion: 75 Resp: 23150  
Ion Ratio Lower Upper  
75 100  
77 37.9 25.8 38.8

