

Data File : VV013967.D  
Acq On : 09 Dec 2019 17:23  
Operator : SY/MD  
Sample : K6148-04  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBBS8

Quant Time: Dec 10 04:33:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Dec 10 04:29:32 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 660370   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 621833   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 250572   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 173712   | 45.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.96% |
| 7) Chloroethane-d5             | 1.56    | 69    | 184355   | 46.24    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.48% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 295590   | 35.00    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.00% |
| 21) 2-Butanone-d5              | 3.92    | 46    | 240381   | 89.42    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 89.42% |
| 24) Chloroform-d               | 4.39    | 84    | 350208   | 43.66    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.32% |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 218426   | 42.98    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.96% |
| 32) Benzene-d6                 | 5.09    | 84    | 701598   | 43.54    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.08% |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 221121   | 45.72    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 91.44% |
| 41) Toluene-d8                 | 7.35    | 98    | 590247   | 40.18    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 80.36% |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 90004    | 38.24    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.48% |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 161265   | 89.29    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 89.29% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 274473   | 39.19    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 78.38% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 243039   | 49.38    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.76% |

#### Target Compounds

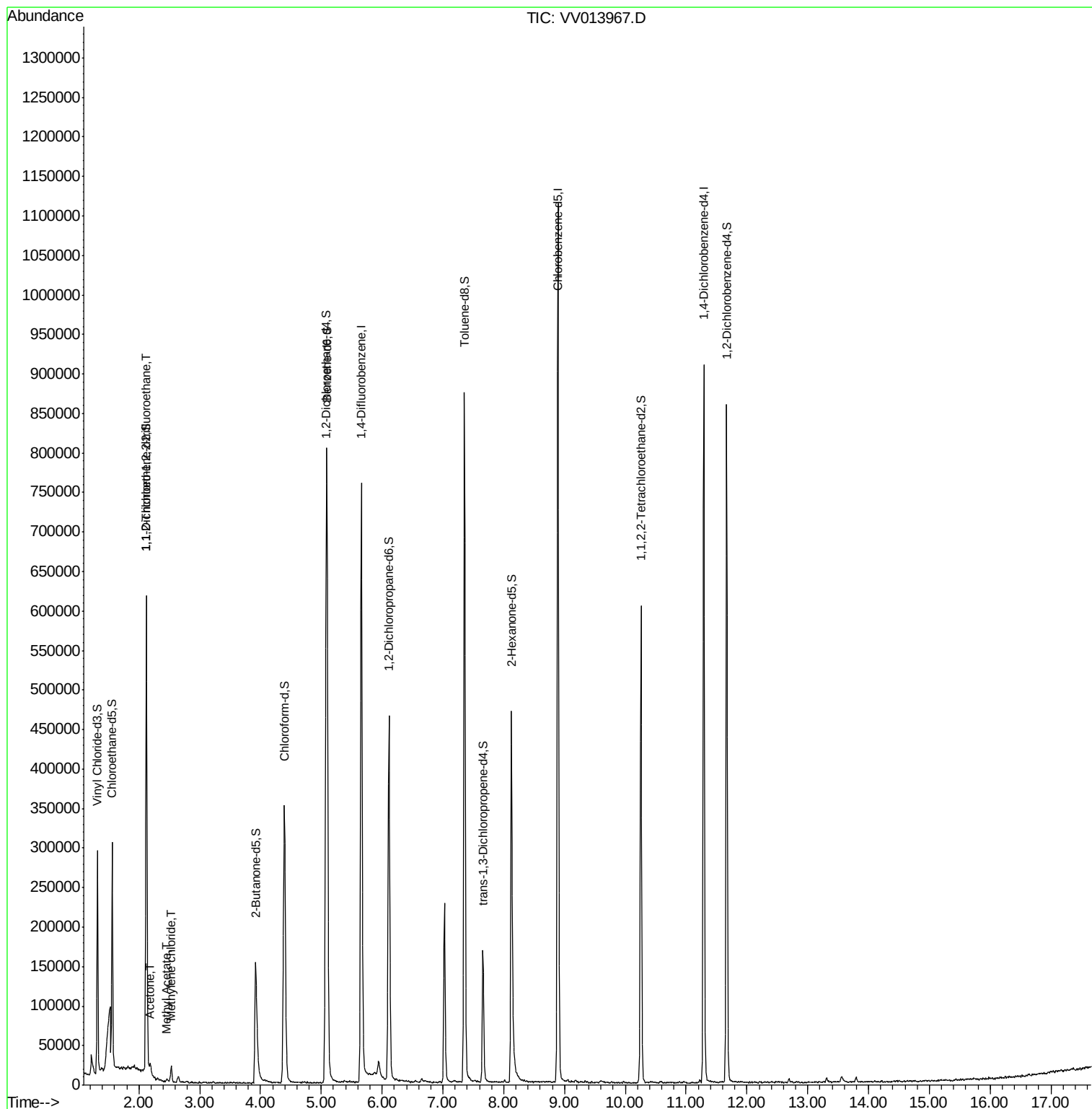
|                                |      |     |      |              | Qvalue |
|--------------------------------|------|-----|------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 3349 | 0.674 ug/L # | 29     |
| 13) Acetone                    | 2.19 | 43  | 4927 | 1.251 ug/L   | 99     |
| 15) Methyl Acetate             | 2.46 | 43  | 4126 | 0.850 ug/L   | 99     |
| 16) Methylene chloride         | 2.53 | 84  | 7563 | 1.514 ug/L   | 84     |

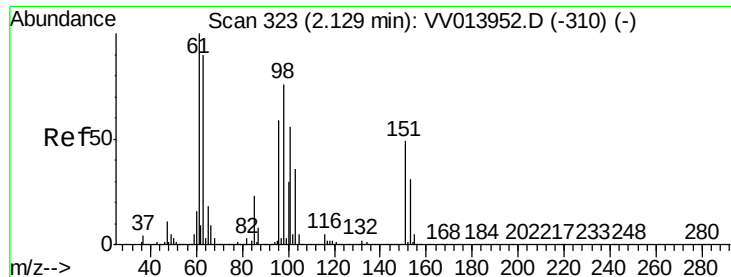
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.674 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

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Instrument :

MSVOA\_V

ClientSampleId :

DBBS8

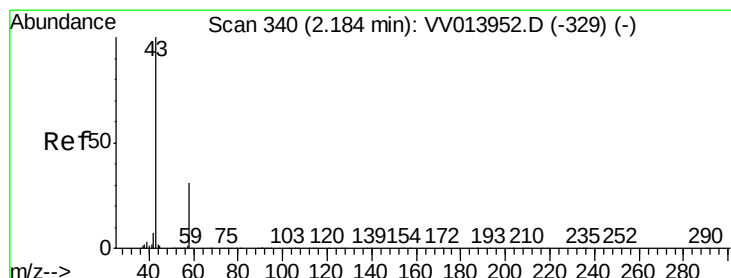
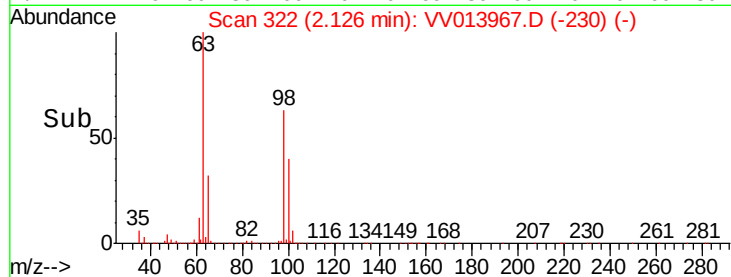
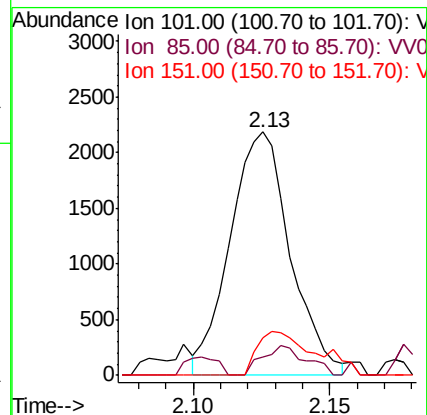
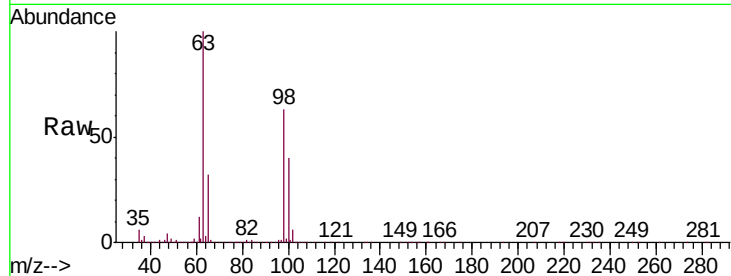
Tgt Ion:101 Resp: 3349

Ion Ratio Lower Upper

101 100

85 7.4 32.5 48.7#

151 14.4 69.8 104.6#



#13

Acetone

Concen: 1.251 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV013967.D

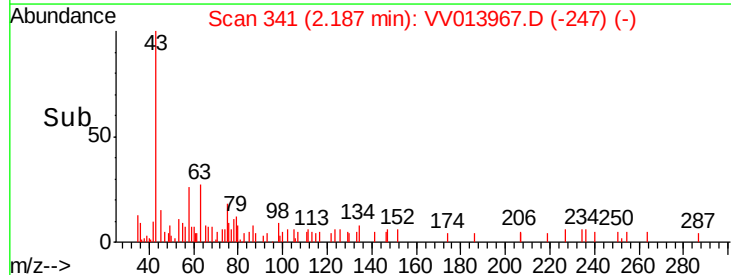
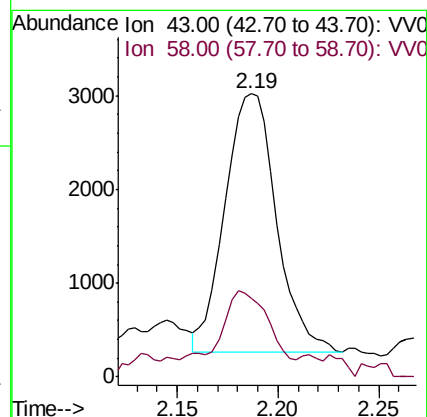
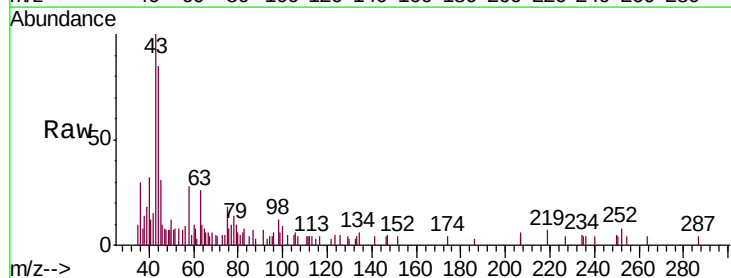
Acq: 09 Dec 2019 17:23

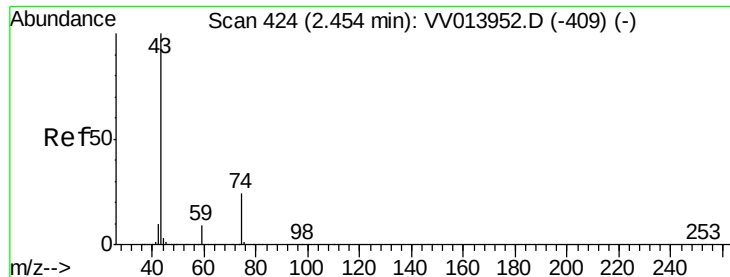
Tgt Ion: 43 Resp: 4927

Ion Ratio Lower Upper

43 100

58 30.8 0.0 60.8

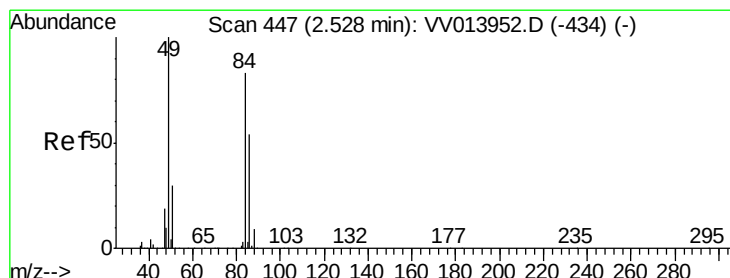
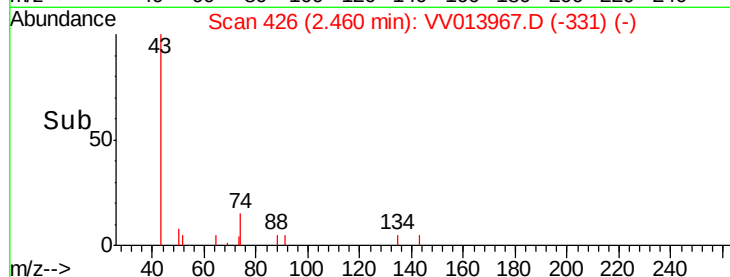
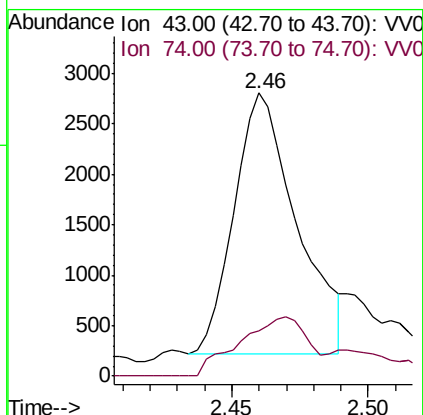
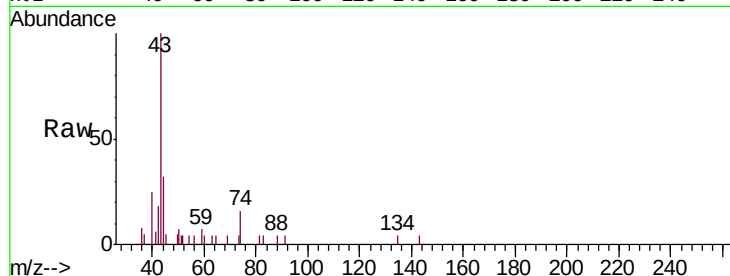




#15  
Methyl Acetate  
Concen: 0.850 ug/L  
RT: 2.46 min Scan# 426  
Delta R.T. 0.01 min  
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Tgt Ion: 43 Resp: 4126  
Ion Ratio Lower Upper  
43 100  
74 24.6 19.3 28.9



#16  
Methylene chloride  
Concen: 1.514 ug/L  
RT: 2.53 min Scan# 449  
Delta R.T. 0.01 min  
Lab File: VV013967.D  
Acq: 09 Dec 2019 17:23

Tgt Ion: 84 Resp: 7563  
Ion Ratio Lower Upper  
84 100  
86 75.0 43.9 81.5  
49 130.8 79.7 147.9

