

Data File : VV014033.D  
Acq On : 12 Dec 2019 15:49  
Operator : SY/MD  
Sample : K6280-07  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFF44

Quant Time: Dec 13 06:17:24 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 13 06:14:07 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 698652   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 667674   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 266502   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 195252   | 48.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 96.64%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 190877   | 45.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.52%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 295560   | 33.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.16%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 264719   | 93.08    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.08%  |
| 24) Chloroform-d               | 4.39    | 84    | 404738   | 47.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 256680   | 47.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.48%  |
| 32) Benzene-d6                 | 5.09    | 84    | 823811   | 47.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.24%  |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 273131   | 52.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.18% |
| 41) Toluene-d8                 | 7.35    | 98    | 698899   | 44.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.62%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 105635   | 41.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.60%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 142610   | 73.54    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 73.54%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 308232   | 40.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 81.98%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 275995   | 52.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.46% |

#### Target Compounds

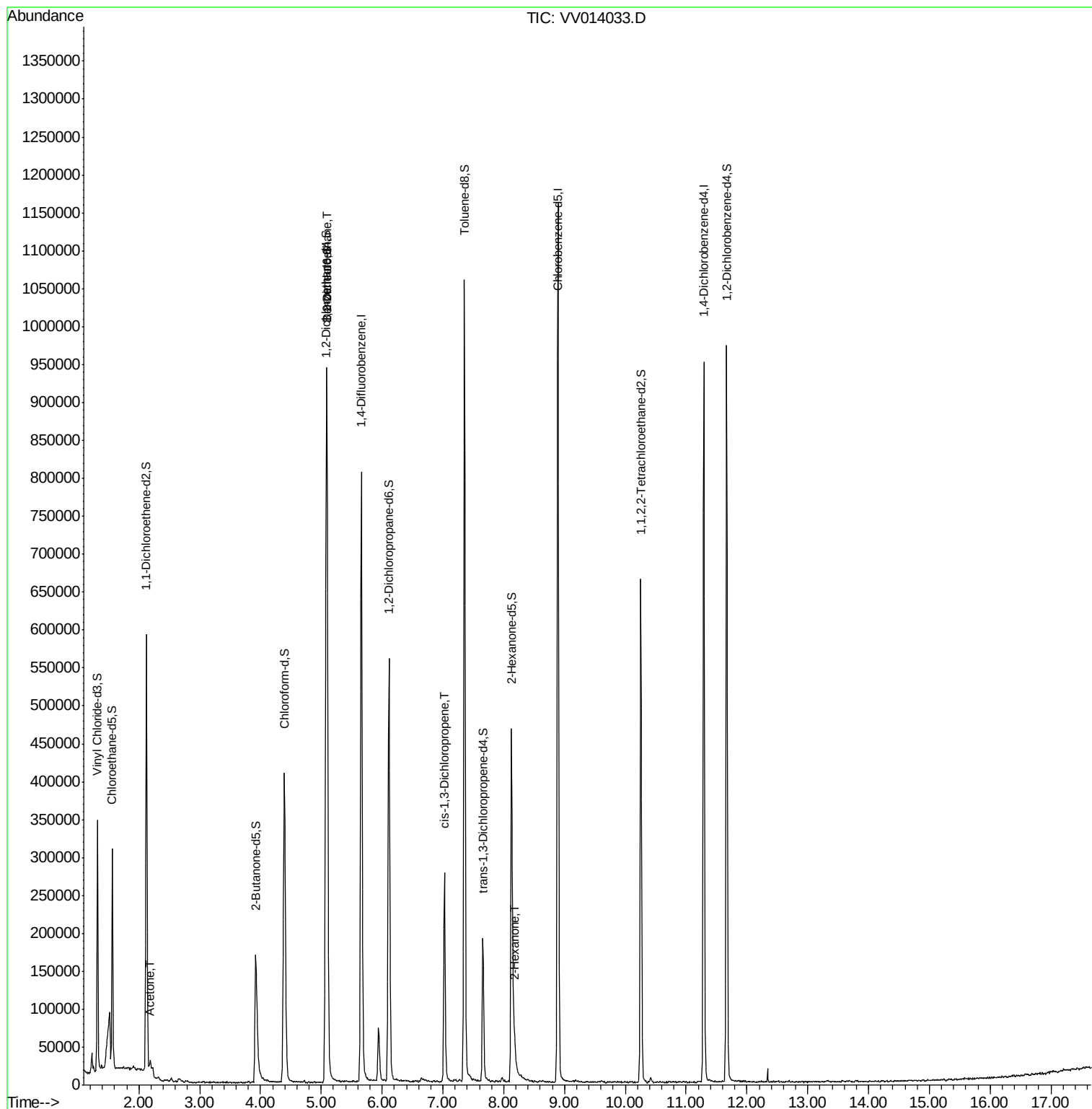
|                             |      |    |       |              | Qvalue |
|-----------------------------|------|----|-------|--------------|--------|
| 13) Acetone                 | 2.19 | 43 | 7891  | 1.893 ug/L   | 81     |
| 27) 1,2-Dichloroethane      | 5.09 | 62 | 5229  | 0.759 ug/L   | 100    |
| 39) cis-1,3-Dichloropropene | 7.03 | 75 | 5605  | 0.740 ug/L # | 39     |
| 48) 2-Hexanone              | 8.18 | 43 | 21840 | 4.363 ug/L # | 95     |

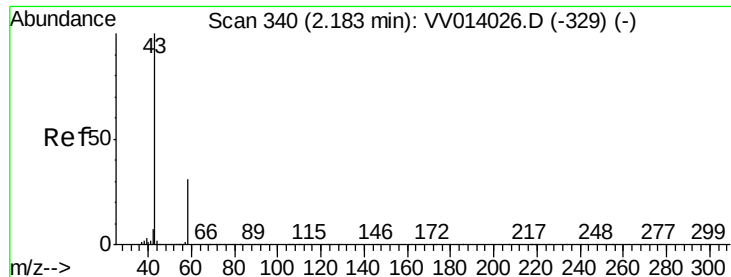
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.893 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV014033.D

Acq: 12 Dec 2019 15:49

Instrument :

MSVOA\_V

ClientSampleId :

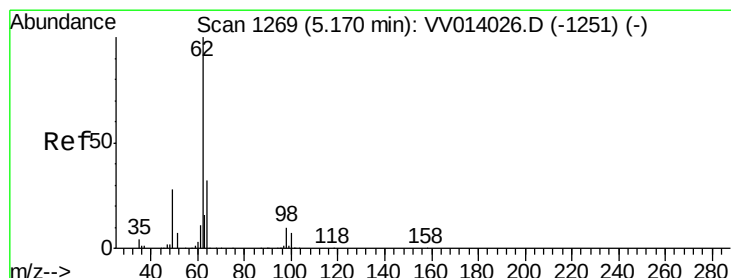
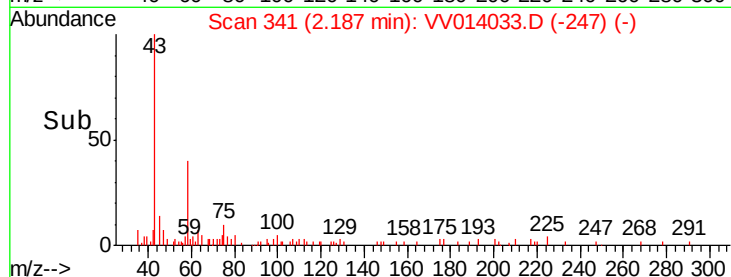
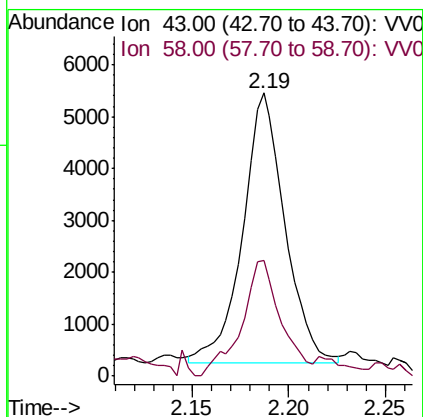
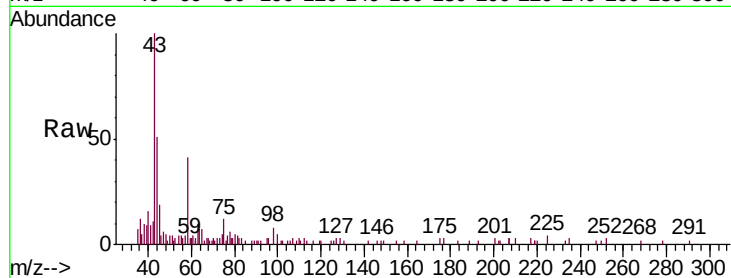
BFF44

Tgt Ion: 43 Resp: 7891

Ion Ratio Lower Upper

43 100

58 40.5 0.0 60.8



#27

1,2-Dichloroethane

Concen: 0.759 ug/L

RT: 5.09 min Scan# 1244

Delta R.T. -0.08 min

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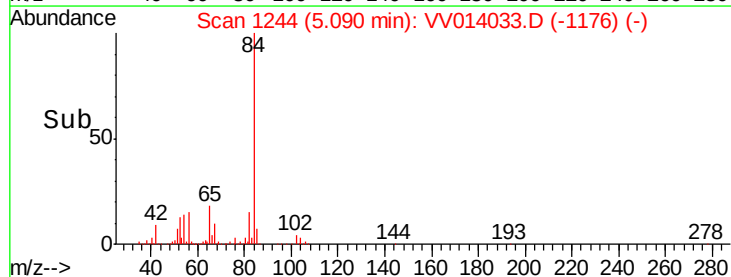
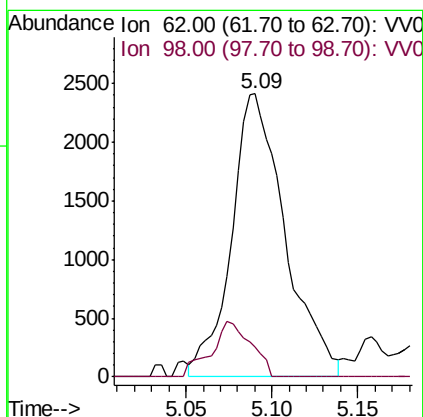
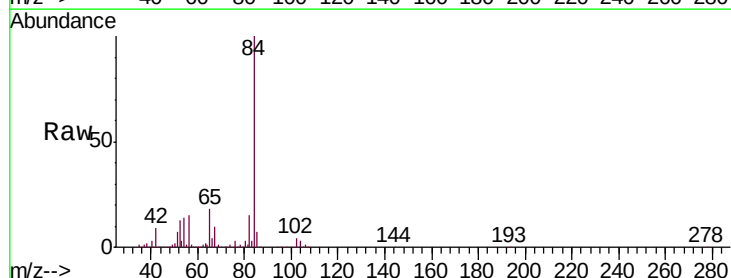
Acq: 12 Dec 2019 15:49

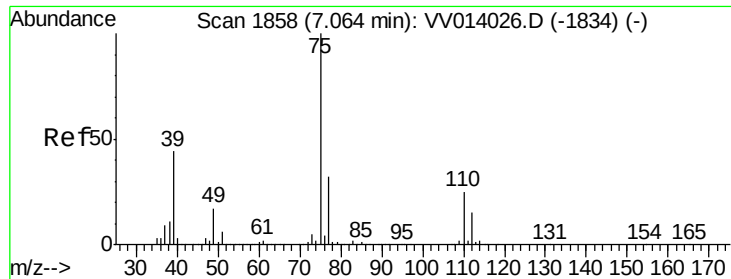
Tgt Ion: 62 Resp: 5229

Ion Ratio Lower Upper

62 100

98 10.6 8.5 12.7

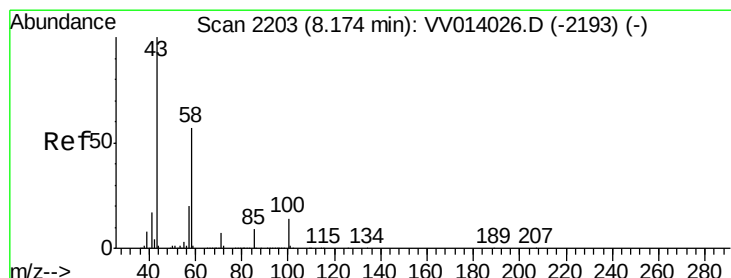
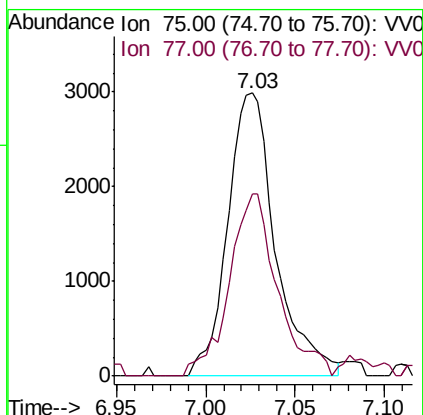
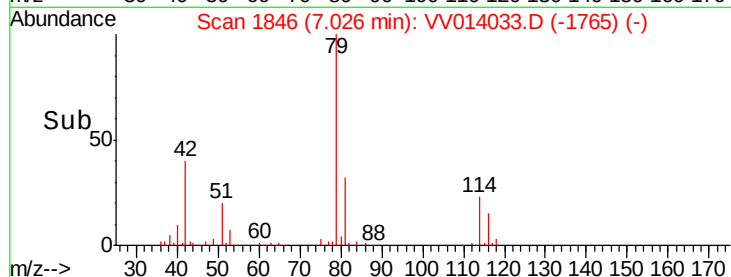
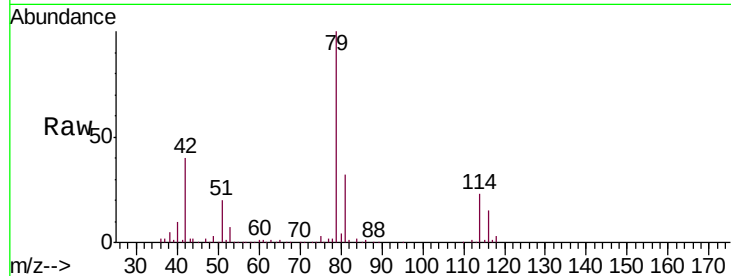




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.740 ug/L  
 RT: 7.03 min Scan# 1846  
 Delta R.T. -0.04 min  
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 MSVOA\_V  
 ClientSampleId :  
 BFF44

Tgt Ion: 75 Resp: 5605  
 Ion Ratio Lower Upper  
 75 100  
 77 64.5 21.6 40.2#



#48  
 2-Hexanone  
 Concen: 4.363 ug/L  
 RT: 8.18 min Scan# 2205  
 Delta R.T. 0.01 min  
 Lab File: VV014033.D  
 Acq: 12 Dec 2019 15:49

Tgt Ion: 43 Resp: 21840  
 Ion Ratio Lower Upper  
 43 100  
 58 57.4 48.4 72.6  
 57 17.4 16.6 24.8  
 100 11.2 11.9 17.9#

