

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121119\  
 Data File : VV014011.D  
 Acq On : 11 Dec 2019 14:38  
 Operator : SY/MD  
 Sample : K6202-09  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 12 03:04:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 12 03:01:11 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 582476   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 578612   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 244383   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 186015   | 55.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 110.44% |
| 7) Chloroethane-d5             | 1.56    | 69    | 195676   | 55.65    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 111.30% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 296913   | 39.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.72%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 218504   | 92.15    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 92.15%  |
| 24) Chloroform-d               | 4.39    | 84    | 350331   | 49.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.04%  |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 221635   | 49.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.88%  |
| 32) Benzene-d6                 | 5.09    | 84    | 714847   | 47.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.36%  |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 225335   | 50.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.14% |
| 41) Toluene-d8                 | 7.35    | 98    | 642836   | 47.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.06%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 93271    | 42.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.18%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 125296   | 74.56    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 74.56%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 290540   | 44.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.16%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 265780   | 55.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 110.74% |

## Target Compounds

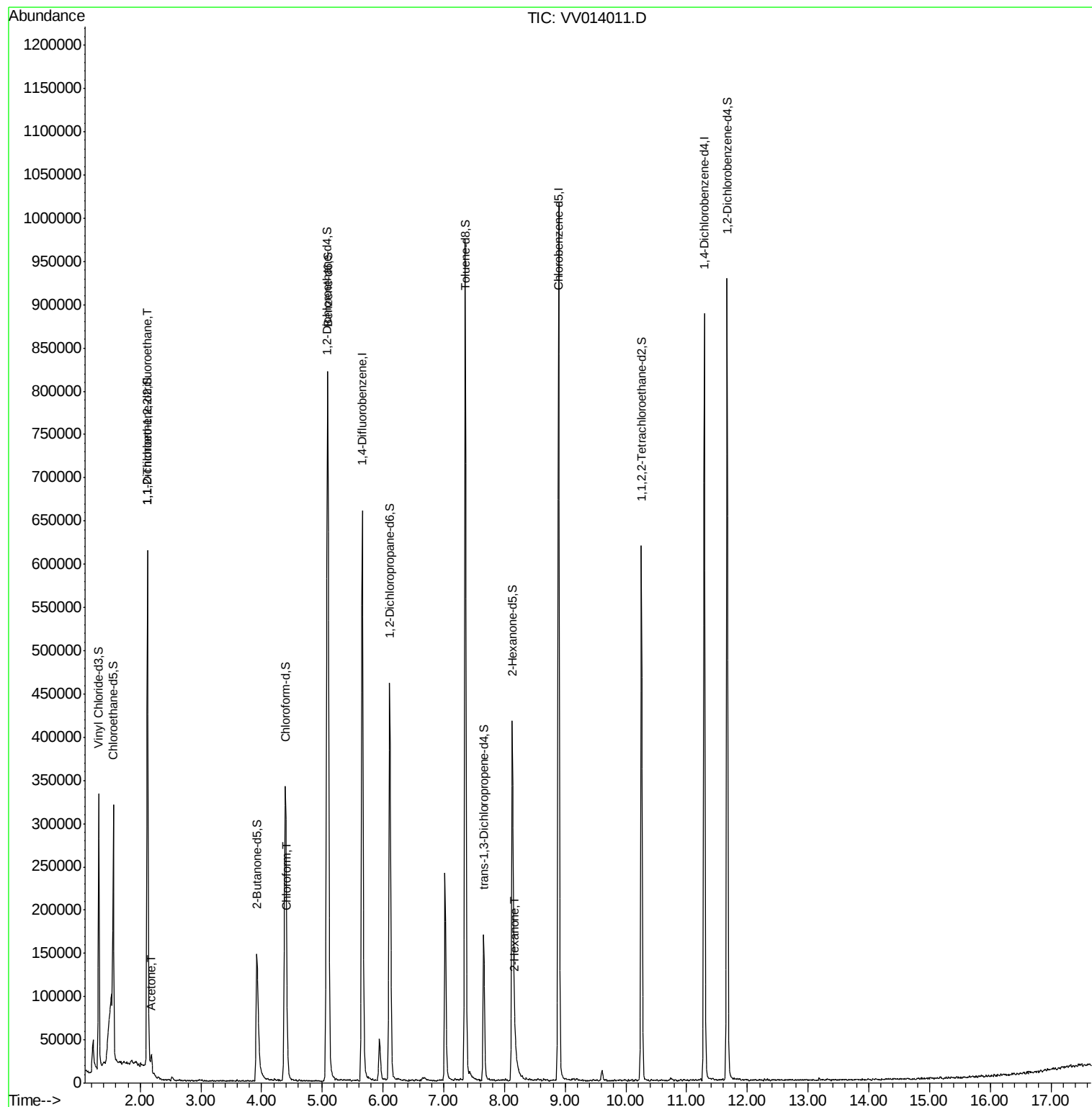
|                                |      |     |       |              | Ovalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 3323  | 0.759 ug/L # | 17     |
| 13) Acetone                    | 2.19 | 43  | 8465  | 2.436 ug/L   | 80     |
| 25) Chloroform                 | 4.42 | 83  | 8105  | 1.017 ug/L   | 95     |
| 48) 2-Hexanone                 | 8.18 | 43  | 15332 | 3.534 ug/L # | 82     |

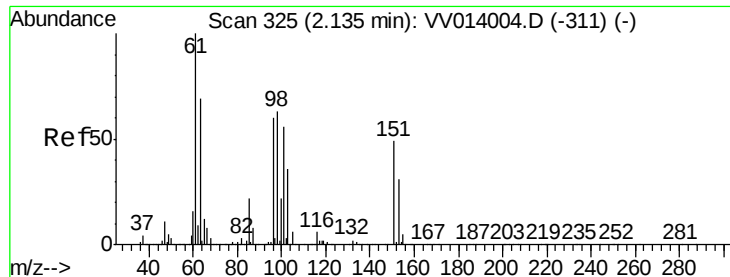
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Dec 12 03:01:11 2019  
Response via : Initial Calibration





#10

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

Concen: 0.759 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.02 min

Lab File: VV014011.D

Acq: 11 Dec 2019 14:38

Instrument :

MSVOA\_V

ClientSampleId :

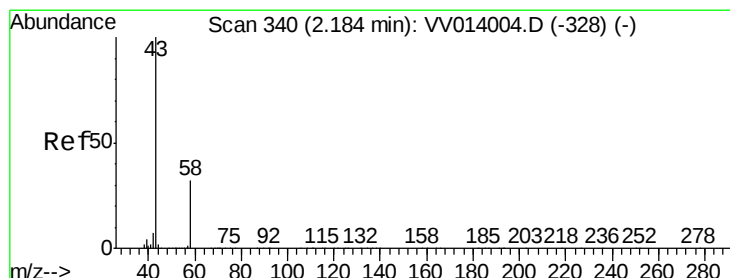
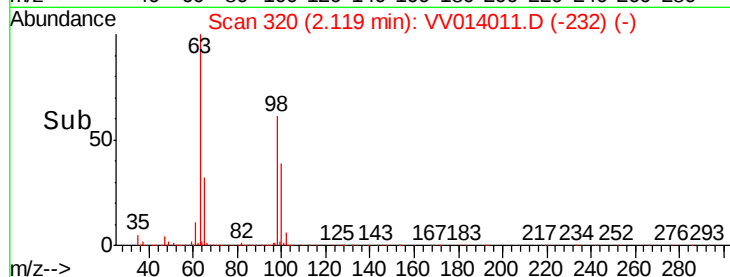
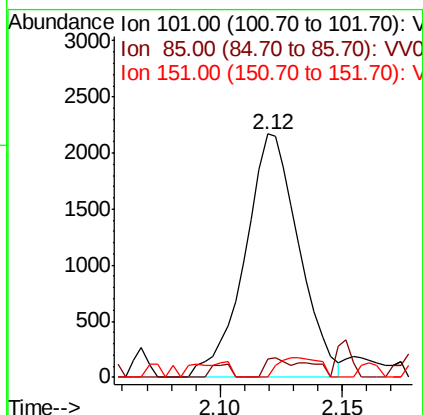
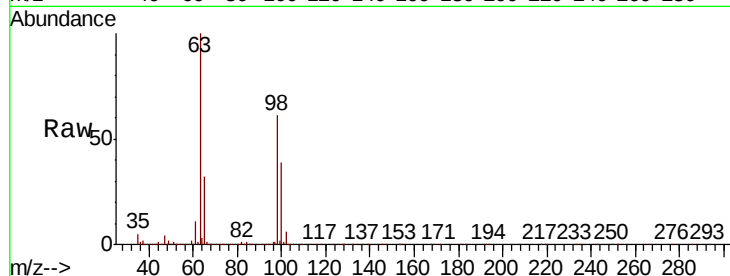
Tot Ion:101 Resp: 3323

Ion Ratio Lower Upper

101 100

85 3.4 32.5 48.7#

151 0.0 69.8 104.6#



#13

Acetone

Concen: 2.436 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV014011.D

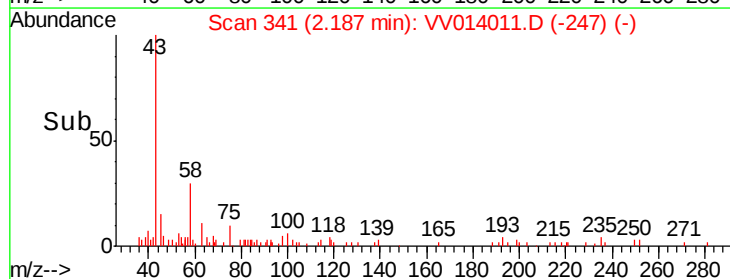
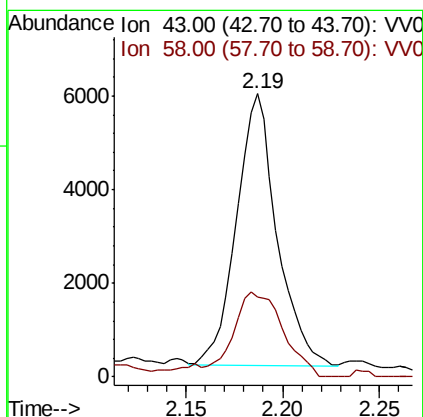
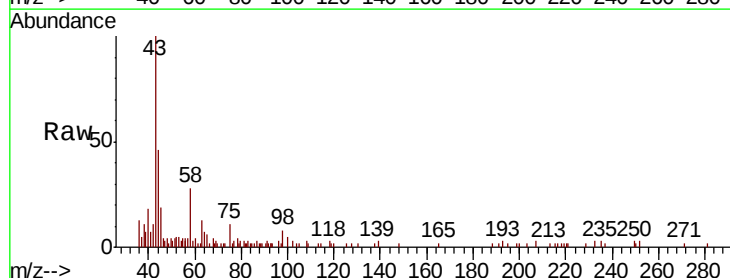
Acq: 11 Dec 2019 14:38

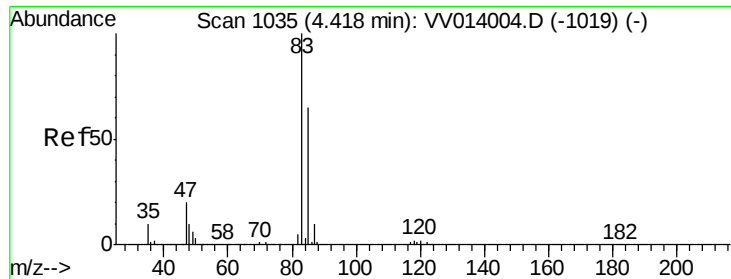
Tgt Ion: 43 Resp: 8465

Ion Ratio Lower Upper

43 100

58 19.5 0.0 60.8





#25

Chloroform

Concen: 1.017 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV014011.D

Acq: 11 Dec 2019 14:38

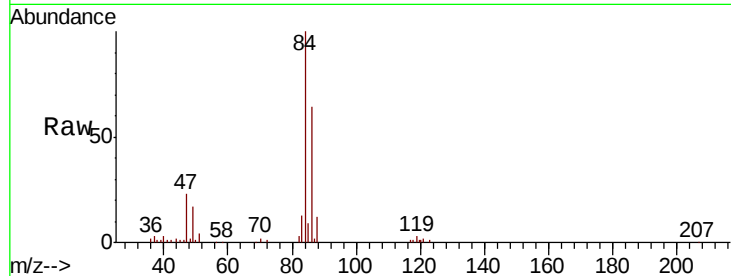
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 83 Resp: 8105

Ion Ratio Lower Upper

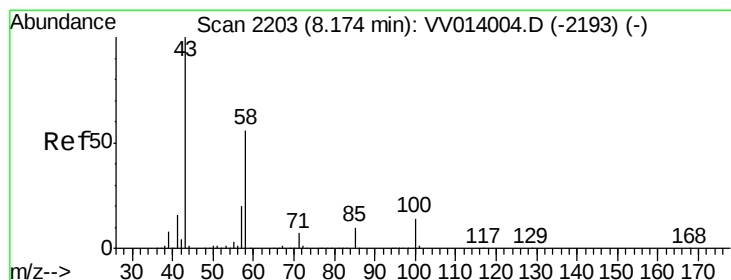
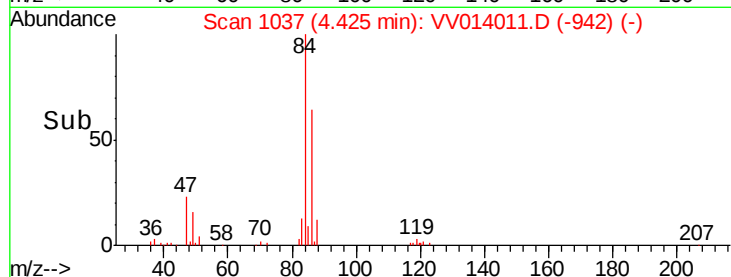
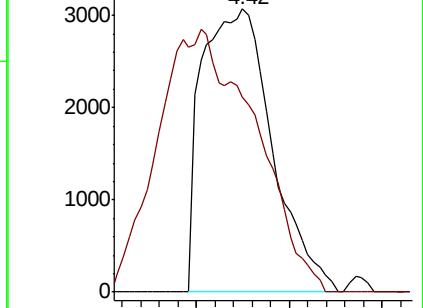
83 100

85 69.1 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV014004.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VV014004.D (-1019) (-)



#48

2-Hexanone

Concen: 3.534 ug/L

RT: 8.18 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VV014011.D

Acq: 11 Dec 2019 14:38

Tgt Ion: 43 Resp: 15332

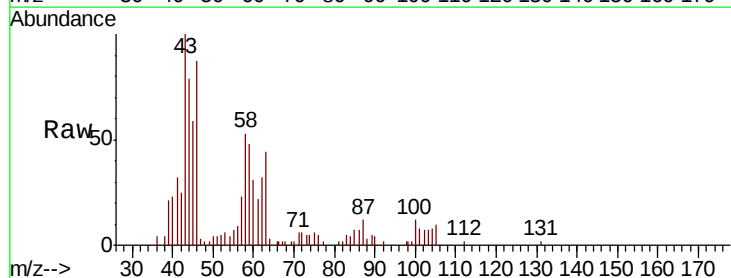
Ion Ratio Lower Upper

43 100

58 52.1 48.4 72.6

57 4.4 16.6 24.8#

100 4.6 11.9 17.9#



Abundance Ion 43.00 (42.70 to 43.70): VV014004.D (-2193) (-)

Ion 58.00 (57.70 to 58.70): VV014004.D (-2193) (-)

Ion 57.00 (56.70 to 57.70): VV014004.D (-2193) (-)

Ion 100.00 (99.70 to 100.70): VV014004.D (-2193) (-)

