

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122120\  
 Data File : VV019773.D  
 Acq On : 21 Dec 2020 13:07  
 Operator : SY/MD  
 Sample : L5098-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 22 00:25:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 22 00:24:34 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 703672   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 657182   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.26 | 152  | 300979   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

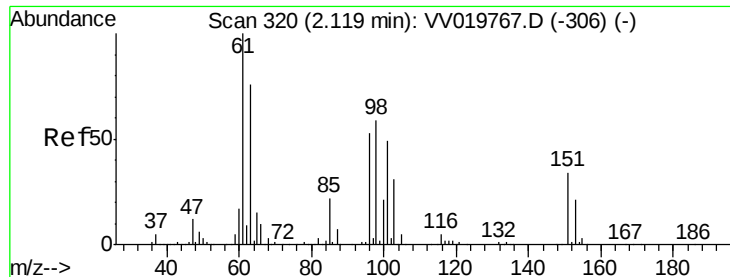
|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 201602   | 39.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 79.90%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 171308   | 43.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 86.10%  |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 308664   | 32.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.92%  |
| 21) 2-Butanone-d5              | 3.89    | 46    | 340683   | 124.22   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 124.22% |
| 24) Chloroform-d               | 4.35    | 84    | 410058   | 45.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.18%  |
| 26) 1,2-Dichloroethane-d4      | 5.04    | 65    | 286460   | 48.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.40%  |
| 32) Benzene-d6                 | 5.05    | 84    | 812332   | 46.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.70%  |
| 36) 1,2-Dichloropropane-d6     | 6.07    | 67    | 263801   | 48.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.10%  |
| 41) Toluene-d8                 | 7.32    | 98    | 710099   | 45.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.00%  |
| 43) trans-1,3-Dichloropropene- | 7.62    | 79    | 125711   | 40.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 80.50%  |
| 47) 2-Hexanone-d5              | 8.09    | 63    | 215594   | 100.05   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 100.05% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.22   | 84    | 335529   | 45.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.36%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.63   | 152   | 261270   | 46.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.88%  |

## Target Compounds

|                                |      |     |       |              | Ovalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.11 | 101 | 2702  | 0.661 ug/L # | 26     |
| 48) 2-Hexanone                 | 8.09 | 43  | 27002 | 4.918 ug/L # | 73     |

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





#10

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

Concen: 0.661 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

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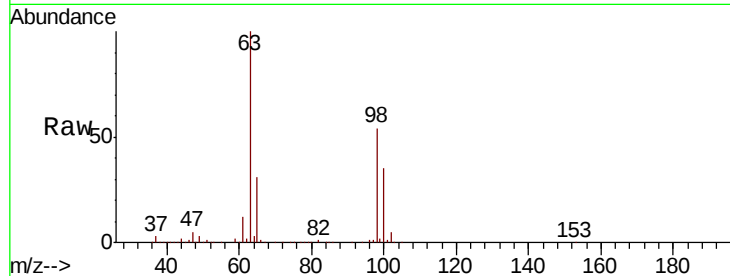
Tot Ion:101 Resp: 2702

Ion Ratio Lower Upper

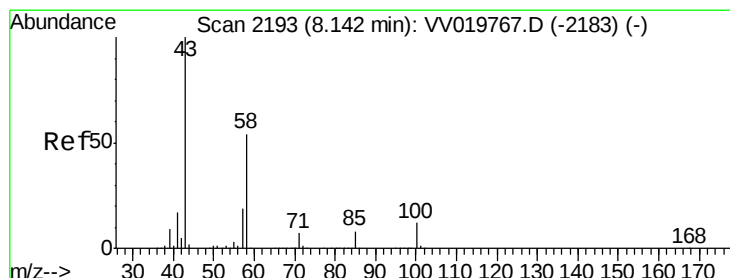
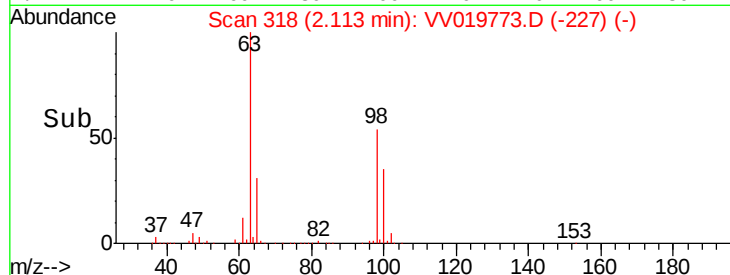
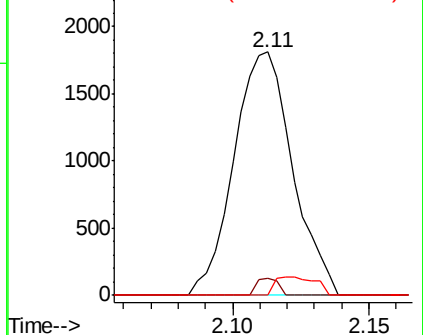
101 100

85 2.6 35.0 52.4#

151 4.5 55.8 83.8#



Abundance Ion 101.00 (100.70 to 101.70): V  
Ion 85.00 (84.70 to 85.70): VV0  
Ion 151.00 (150.70 to 151.70): V



#48

2-Hexanone

Concen: 4.918 ug/L

RT: 8.09 min Scan# 2177

Delta R.T. -0.05 min

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Acq: 21 Dec 2020 13:07

Tgt Ion: 43 Resp: 27002

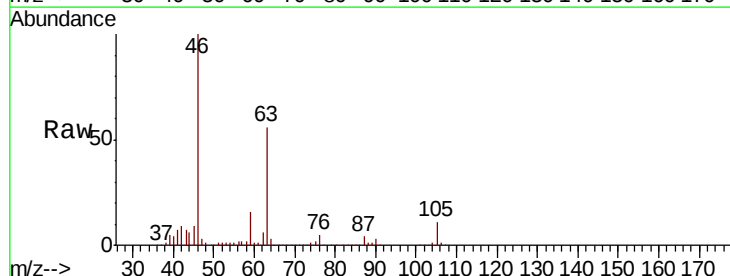
Ion Ratio Lower Upper

43 100

58 32.7 44.4 66.6#

57 25.7 15.7 23.5#

100 0.2 9.9 14.9#



Abundance Ion 43.00 (42.70 to 43.70): VV0  
Ion 58.00 (57.70 to 58.70): VV0  
Ion 57.00 (56.70 to 57.70): VV0  
Ion 100.00 (99.70 to 100.70): VV0

