

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122320\  
 Data File : VV019821.D  
 Acq On : 23 Dec 2020 18:58  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK81

Quant Time: Dec 23 22:07:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 23 22:04:07 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 682597   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 645534   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.26 | 152  | 307956   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

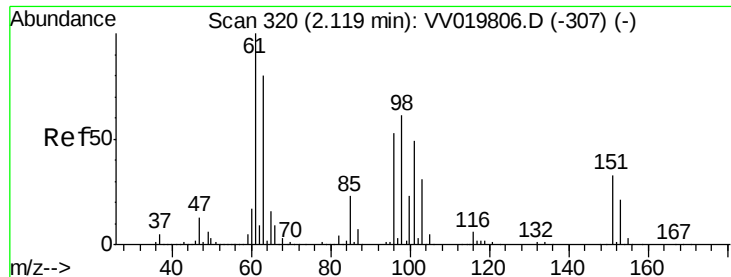
|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 225707   | 46.11    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 92.22%   |
| 7) Chloroethane-d5             | 1.57    | 69    | 190065   | 49.23    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.46%   |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 334211   | 36.79    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.58%   |
| 21) 2-Butanone-d5              | 3.89    | 46    | 369524   | 138.89   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 138.89%# |
| 24) Chloroform-d               | 4.35    | 84    | 423924   | 48.06    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.12%   |
| 26) 1,2-Dichloroethane-d4      | 5.04    | 65    | 298629   | 51.80    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.60%  |
| 32) Benzene-d6                 | 5.05    | 84    | 853164   | 49.55    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.10%   |
| 36) 1,2-Dichloropropane-d6     | 6.07    | 67    | 275499   | 51.08    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.16%  |
| 41) Toluene-d8                 | 7.32    | 98    | 738857   | 47.66    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.32%   |
| 43) trans-1,3-Dichloropropene- | 7.63    | 79    | 124024   | 40.43    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 80.86%   |
| 47) 2-Hexanone-d5              | 8.09    | 63    | 217839   | 102.91   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 102.91%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.22   | 84    | 337184   | 46.22    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.44%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.63   | 152   | 269993   | 46.90    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.80%   |

## Target Compounds

|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.11  | 101 | 3164  | 0.798 ug/L # | 22     |
| 46) Tetrachloroethene          | 7.98  | 164 | 4310  | 1.250 ug/L   | 88     |
| 48) 2-Hexanone                 | 8.09  | 43  | 29185 | 5.411 ug/L # | 76     |
| 49) Dibromochloromethane       | 7.98  | 129 | 3913  | 0.764 ug/L # | 11     |
| 59) 1,2,3-Trichloropropane     | 11.25 | 75  | 43494 | 7.097 ug/L   | 100    |

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





#10

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

Concen: 0.798 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

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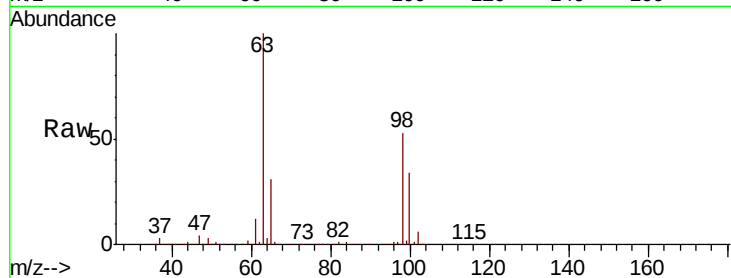
Tot Ion:101 Resp: 3164

Ion Ratio Lower Upper

101 100

85 1.4 35.0 52.4#

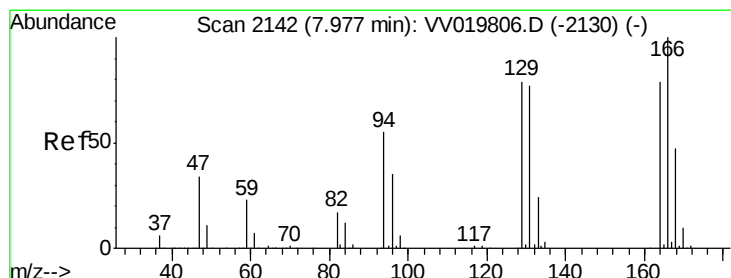
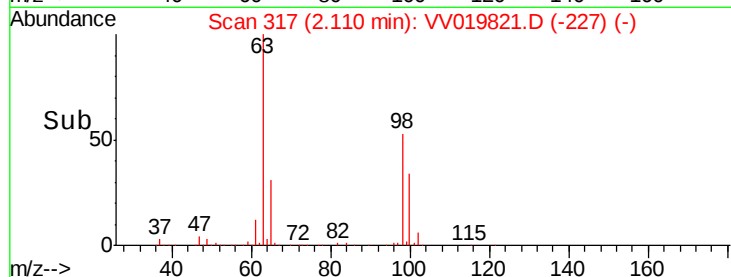
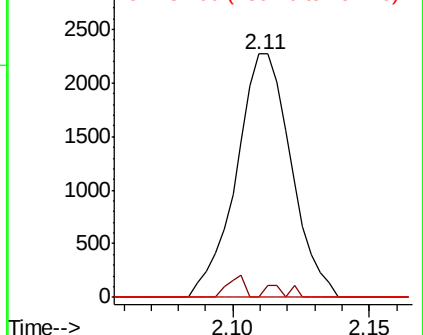
151 0.0 55.8 83.8#



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



#46

Tetrachloroethene

Concen: 1.250 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VV019821.D

Acq: 23 Dec 2020 18:58

Tgt Ion:164 Resp: 4310

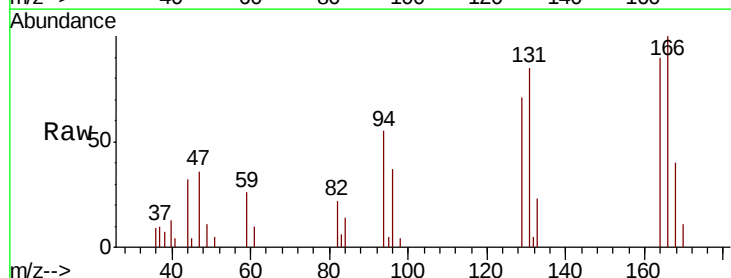
Ion Ratio Lower Upper

164 100

129 78.6 70.6 131.0

131 94.4 68.0 126.4

166 110.7 86.9 161.5

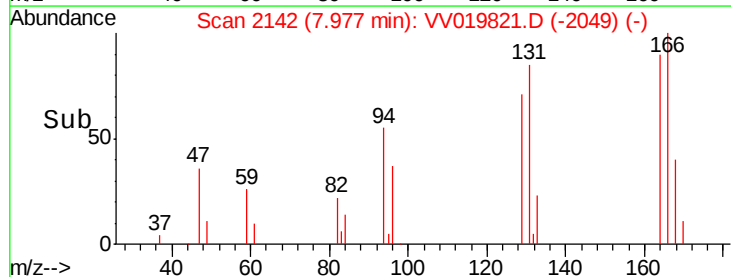
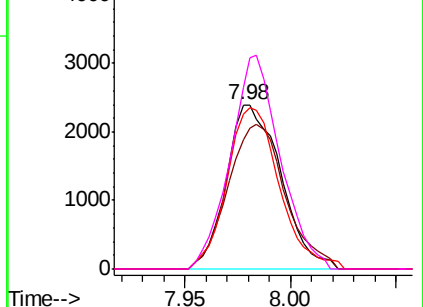


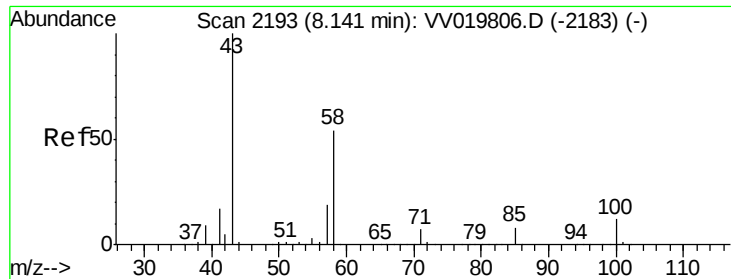
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

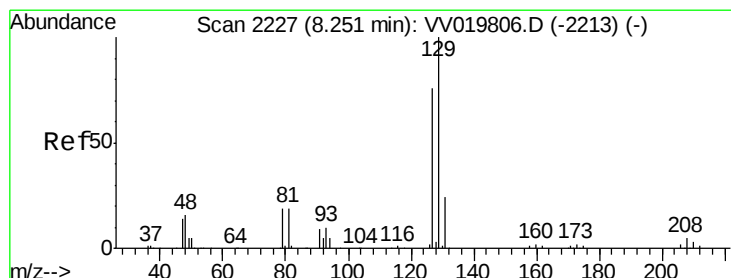
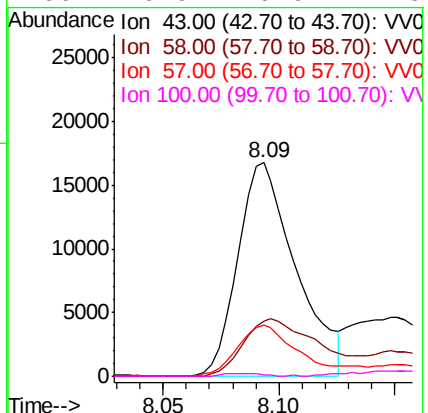
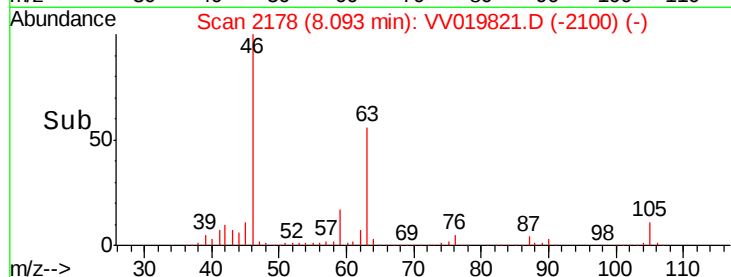
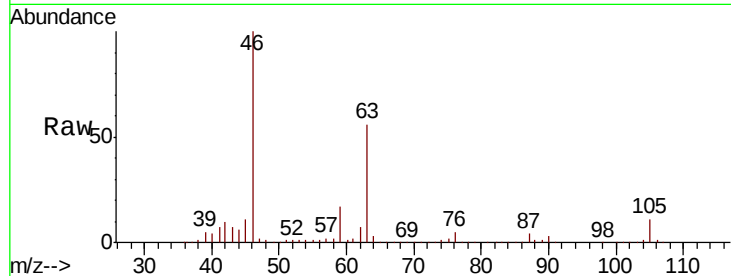




#48  
2-Hexanone  
Concen: 5.411 ug/L  
RT: 8.09 min Scan# 2178  
Delta R.T. -0.05 min  
Lab File: VV019821.D  
Acq: 23 Dec 2020 18:58

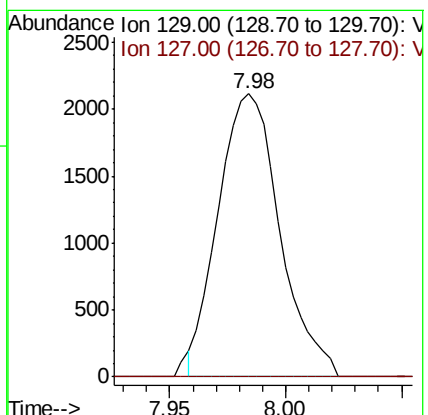
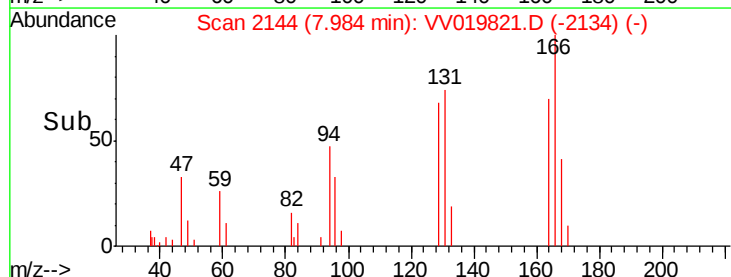
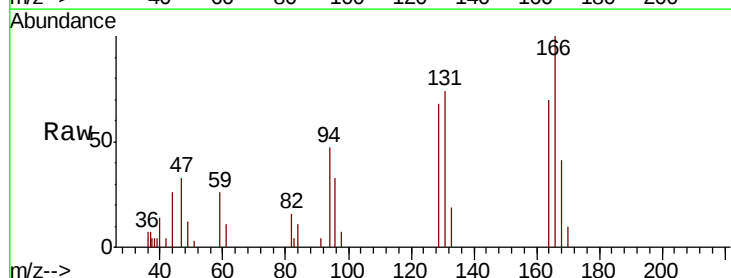
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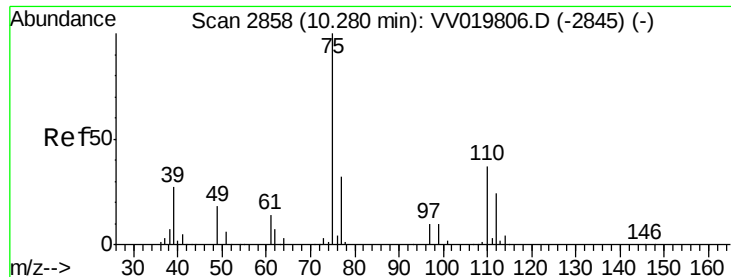
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 29185 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 35.1  | 44.4  | 66.6# |
| 57       | 24.2  | 15.7  | 23.5# |
| 100      | 0.9   | 9.9   | 14.9# |



#49  
Dibromochloromethane  
Concen: 0.764 ug/L  
RT: 7.98 min Scan# 2144  
Delta R.T. -0.27 min  
Lab File: VV019821.D  
Acq: 23 Dec 2020 18:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 3913   |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 0.0   | 54.2  | 100.6# |





#59

1,2,3-Trichloropropane

Concen: 7.097 ug/L

RT: 11.25 min Scan# 3161

Delta R.T. 0.97 min

Lab File: VV019821.D

Acq: 23 Dec 2020 18:58

Instrument :

MSVOA\_V

ClientSampleId :

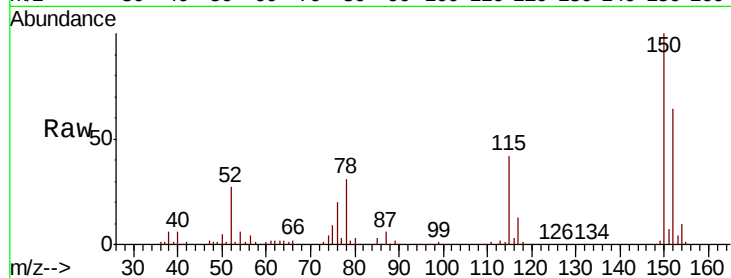
VIBLK81

Tot Ion: 75 Resp: 43494

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

