

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062620\  
 Data File : VV017206.D  
 Acq On : 27 Jun 2020 01:57  
 Operator : SY/MD  
 Sample : L3118-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 27 03:33:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 27 03:31:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 348375   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 322281   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 148986   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

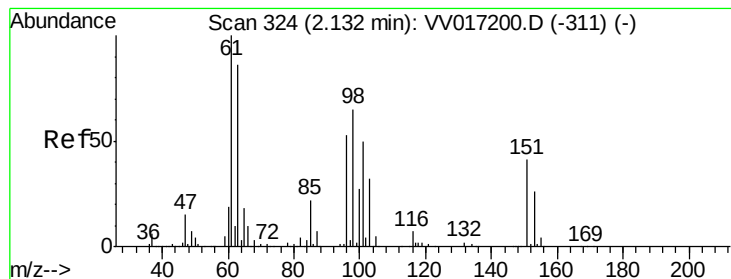
|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 94772    | 38.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 77.10% |
| 7) Chloroethane-d5             | 1.58    | 69    | 61973    | 42.02    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 84.04% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 147579   | 35.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.50% |
| 21) 2-Butanone-d5              | 3.90    | 46    | 146146   | 80.33    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 80.33% |
| 24) Chloroform-d               | 4.38    | 84    | 219402   | 43.89    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.78% |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 159349   | 46.87    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.74% |
| 32) Benzene-d6                 | 5.08    | 84    | 411693   | 44.31    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.62% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 124335   | 42.94    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 85.88% |
| 41) Toluene-d8                 | 7.34    | 98    | 372022   | 43.64    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.28% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 62473    | 41.42    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.84% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 97546    | 77.26    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 77.26% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 159144   | 41.51    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 83.02% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 150565   | 47.36    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.72% |

## Target Compounds

|                                |       |     |       |            | Ovalue |
|--------------------------------|-------|-----|-------|------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1479  | 0.799 ug/L | # 19   |
| 13) Acetone                    | 2.19  | 43  | 2261  | 1.886 ug/L | 62     |
| 25) Chloroform                 | 4.40  | 83  | 15885 | 3.483 ug/L | 99     |
| 39) cis-1,3-Dichloropropene    | 7.01  | 75  | 4522  | 1.174 ug/L | 85     |
| 65) 1,2-Dichlorobenzene        | 11.67 | 146 | 6253  | 1.322 ug/L | 94     |

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





#10

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

Concen: 0.799 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

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MSVOA\_V

ClientSampleId :

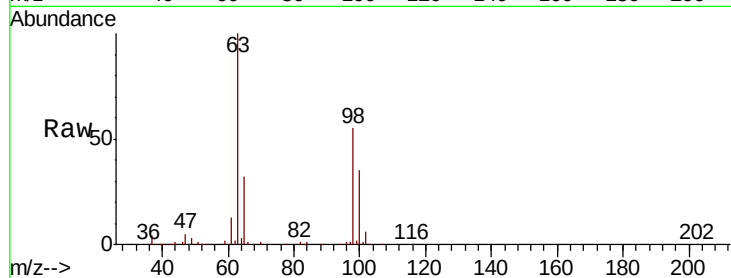
Tot Ion:101 Resp: 1479

Ion Ratio Lower Upper

101 100

85 3.2 35.5 53.3#

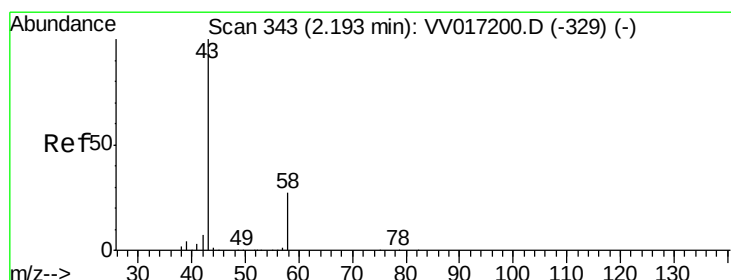
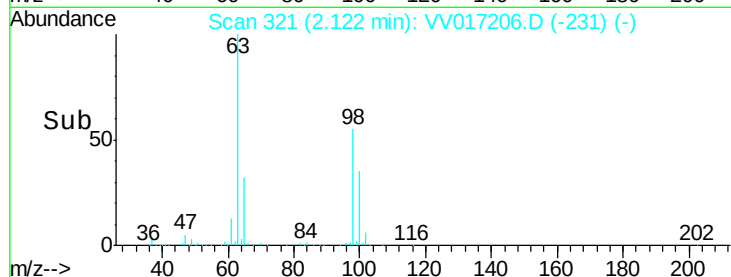
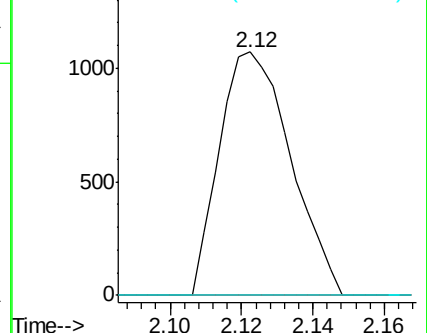
151 0.0 63.9 95.9#



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



#13

Acetone

Concen: 1.886 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV017206.D

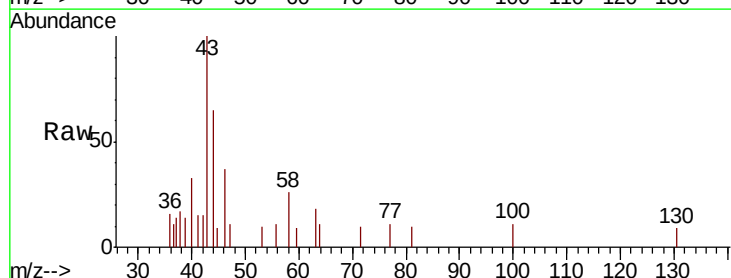
Acq: 27 Jun 2020 01:57

Tgt Ion: 43 Resp: 2261

Ion Ratio Lower Upper

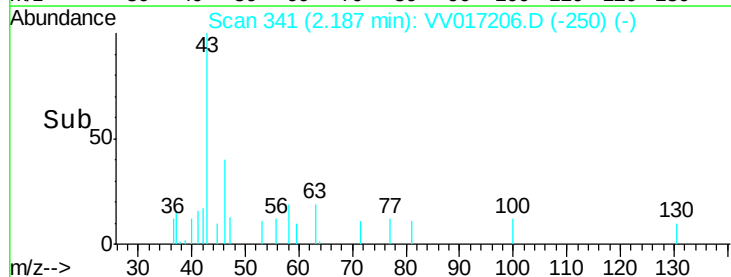
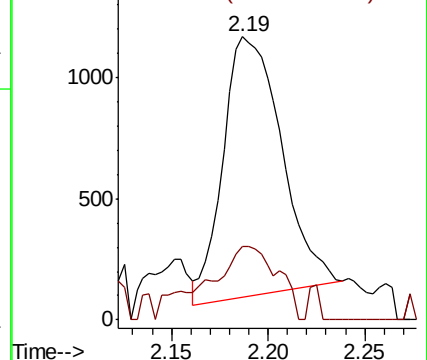
43 100

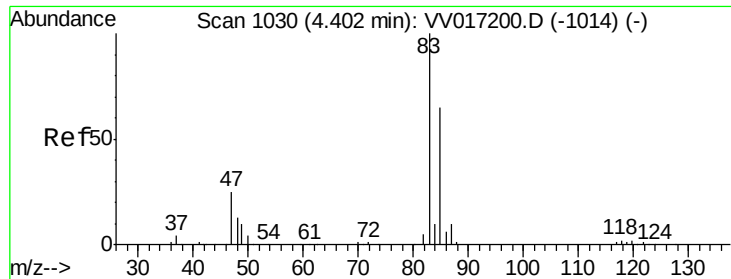
58 7.9 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

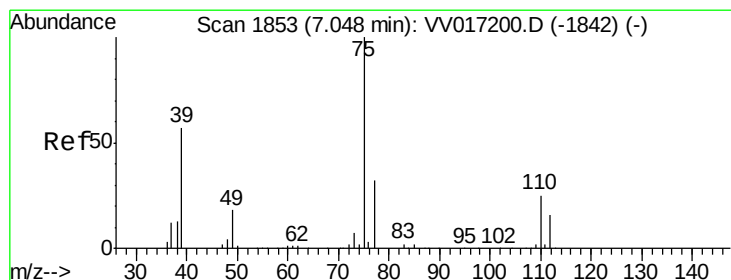
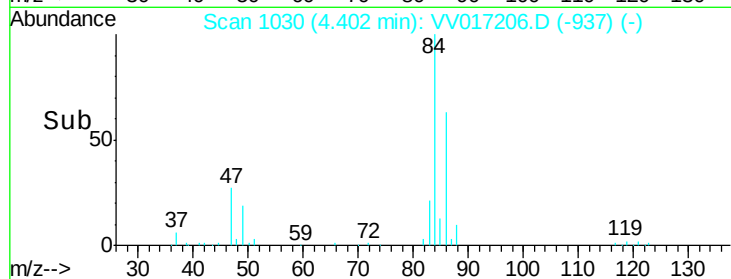
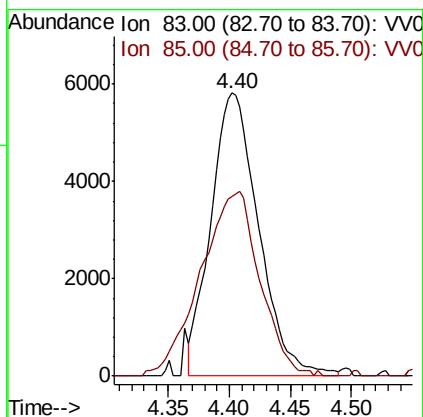
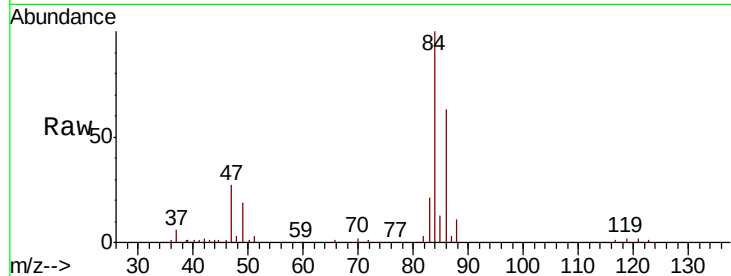




#25  
Chloroform  
Concen: 3.483 ug/L  
RT: 4.40 min Scan# 1030  
Delta R.T. -0.00 min  
Lab File: VV017206.D  
Acq: 27 Jun 2020 01:57

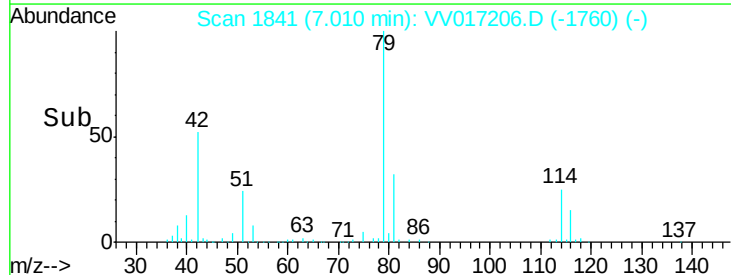
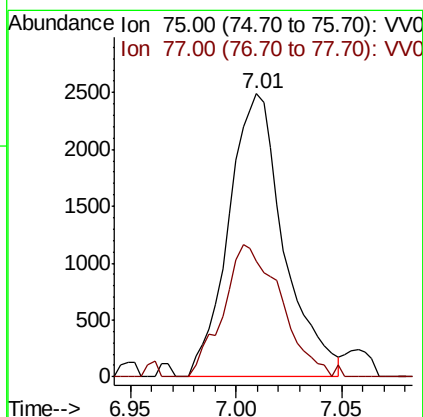
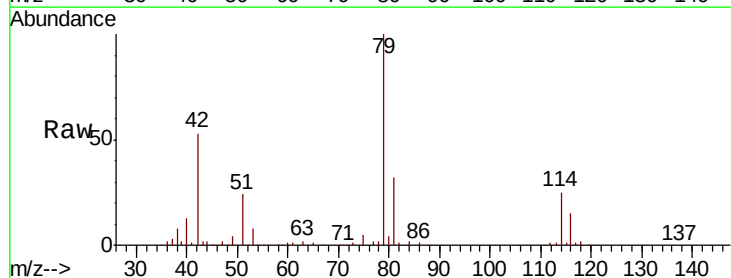
Instrument :  
MSVOA\_V  
ClientSampleId :

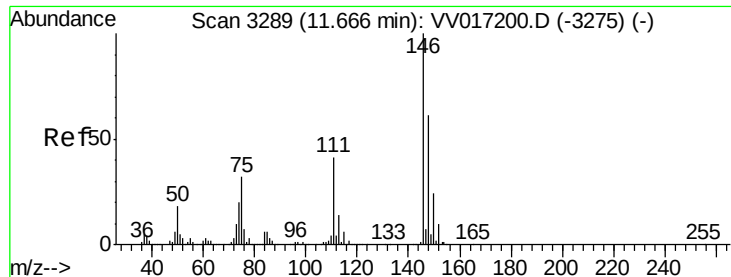
Tot Ion: 83 Resp: 15885  
Ion Ratio Lower Upper  
83 100  
85 63.6 44.1 81.9



#39  
cis-1,3-Dichloropropene  
Concen: 1.174 ug/L  
RT: 7.01 min Scan# 1841  
Delta R.T. -0.04 min  
Lab File: VV017206.D  
Acq: 27 Jun 2020 01:57

Tgt Ion: 75 Resp: 4522  
Ion Ratio Lower Upper  
75 100  
77 40.9 22.7 42.1

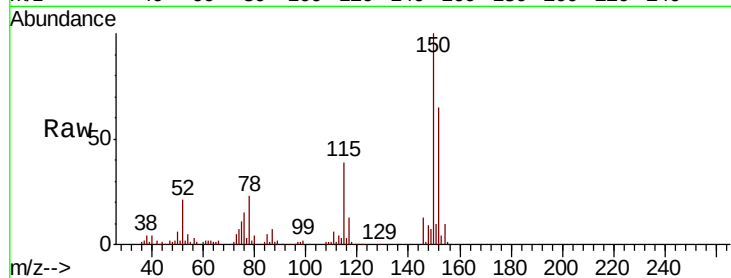




#65  
 1,2-Dichlorobenzene  
 Concen: 1.322 ug/L  
 RT: 11.67 min Scan# 3289  
 Delta R.T. -0.00 min  
 Lab File: VV017206.D  
 Acq: 27 Jun 2020 01:57

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tot Ion:146 Resp: 6253  
 Ion Ratio Lower Upper  
 146 100  
 111 47.8 33.7 50.5  
 148 67.1 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

