

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081718\  
 Data File : VV007056.D  
 Acq On : 17 Aug 2018 15:56  
 Operator : SY/MD  
 Sample : J4488-03  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0355

Quant Time: Aug 18 04:21:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080918WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Aug 18 03:36:46 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 211478   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 206337   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 78860    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 77878    | 5.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 114.00% |
| 7) Chloroethane-d5             | 1.58   | 69    | 66946    | 5.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 115.60% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 149791   | 5.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 117.00% |
| 20) 2-Butanone-d5              | 3.97   | 46    | 201623   | 51.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.72% |
| 24) Chloroform-d               | 4.41   | 84    | 157060   | 5.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 113.40% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 80161    | 5.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 114.60% |
| 32) Benzene-d6                 | 5.10   | 84    | 314638   | 5.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 118.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 104066   | 5.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 114.80% |
| 41) Toluene-d8                 | 7.37   | 98    | 225126   | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.80%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 30313    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 96.20%  |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 81739    | 31.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 63.42%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 73722    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 104.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 80390    | 5.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 117.20% |

## Target Compounds

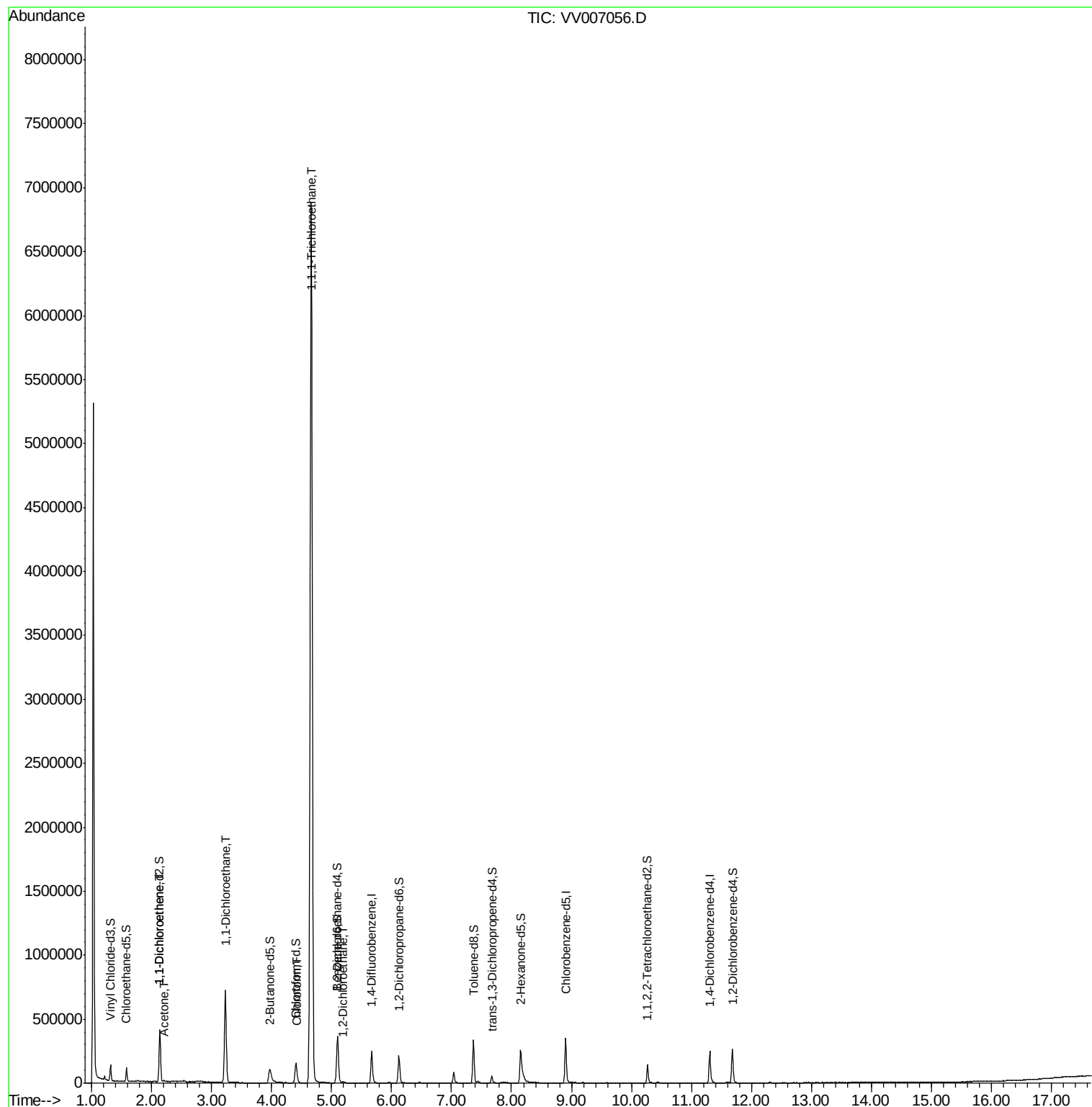
|                           |      |    |         |        |      | Ovalue |
|---------------------------|------|----|---------|--------|------|--------|
| 12) 1,1-Dichloroethene    | 2.14 | 96 | 86655   | 5.71   | ug/L | 92     |
| 13) Acetone               | 2.21 | 43 | 7561    | 3.74   | ug/L | 91     |
| 19) 1,1-Dichloroethane    | 3.23 | 63 | 738947  | 25.17  | ug/L | 99     |
| 25) Chloroform            | 4.43 | 83 | 7255    | 0.23   | ug/L | 95     |
| 27) 1,2-Dichloroethane    | 5.19 | 62 | 6674    | 0.33   | ug/L | 97     |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 5505856 | 200.12 | ug/L | 98     |

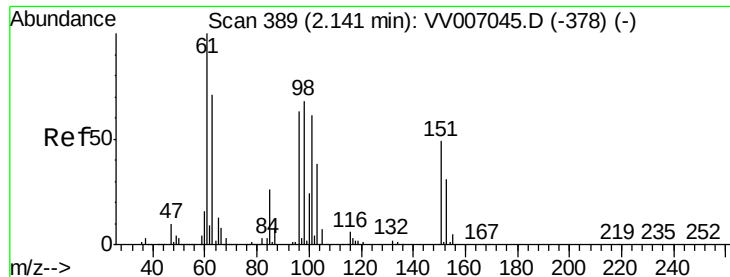
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 18 03:36:46 2018  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 5.71 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007056.D

Acq: 17 Aug 2018 15:56

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ClientSampleId :  
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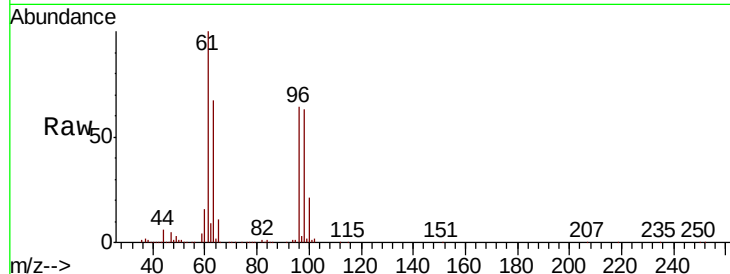
Tot Ion: 96 Resp: 86655

Ion Ratio Lower Upper

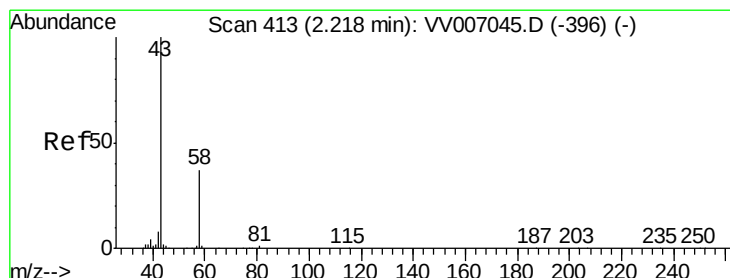
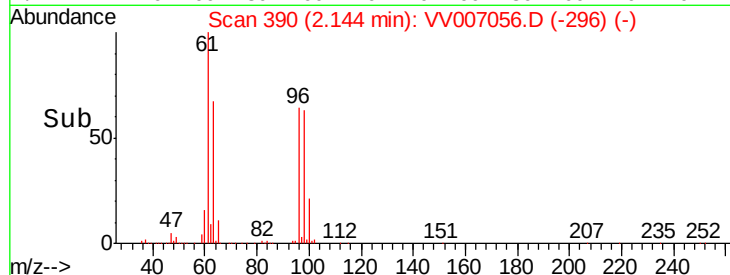
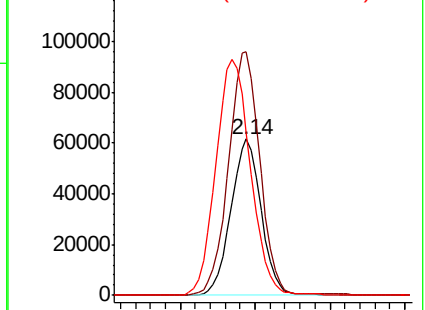
96 100

61 155.9 111.6 207.4

63 104.2 84.9 157.7



Abundance Ion 96.00 (95.70 to 96.70): VV0  
Ion 61.05 (60.75 to 61.75): VV0  
Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 3.74 ug/L

RT: 2.21 min Scan# 410

Delta R.T. -0.01 min

Lab File: VV007056.D

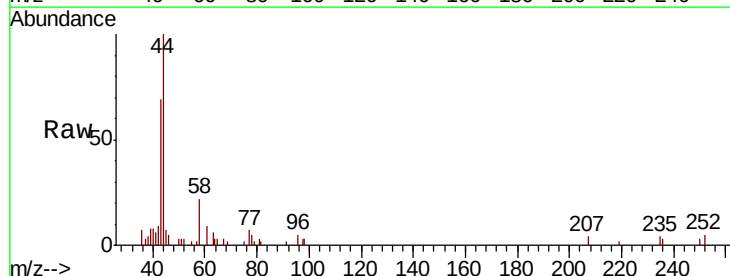
Acq: 17 Aug 2018 15:56

Tgt Ion: 43 Resp: 7561

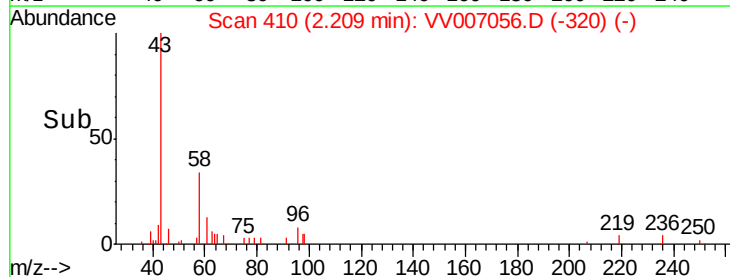
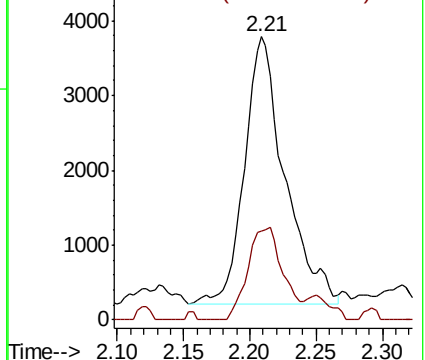
Ion Ratio Lower Upper

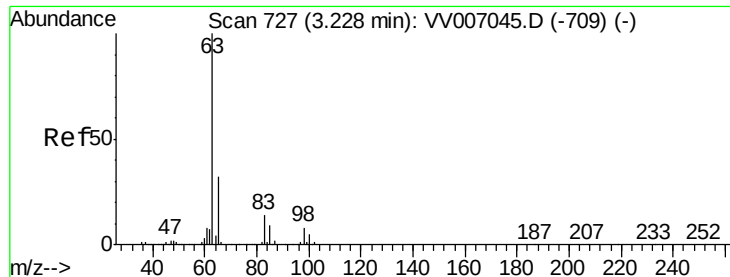
43 100

58 30.6 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV0  
Ion 58.05 (57.75 to 58.75): VV0

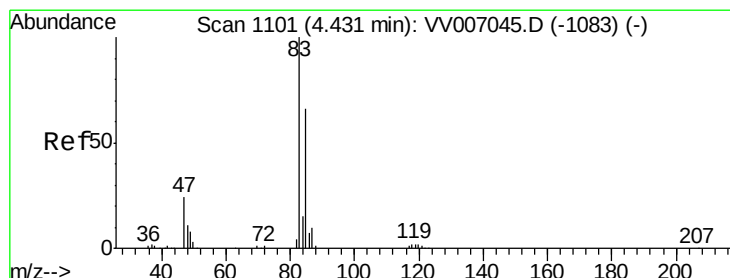
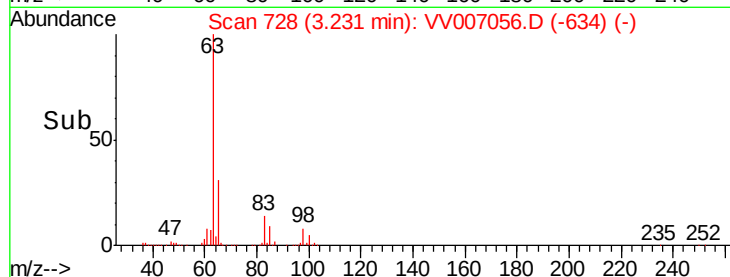
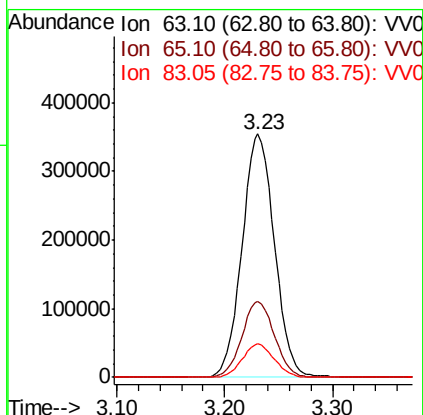
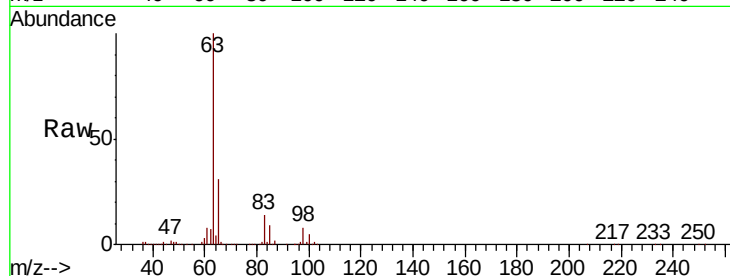




#19  
 1,1-Dichloroethane  
 Concen: 25.17 ug/L  
 RT: 3.23 min Scan# 728  
 Delta R.T. 0.00 min  
 Lab File: VV007056.D  
 Acq: 17 Aug 2018 15:56

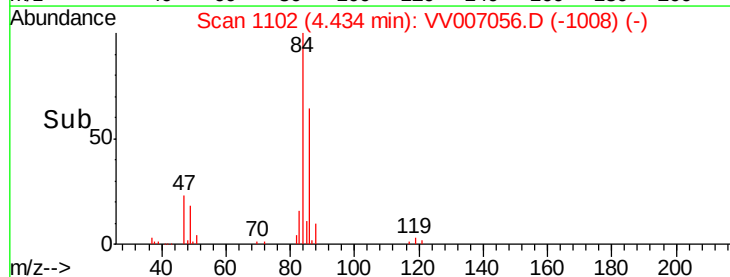
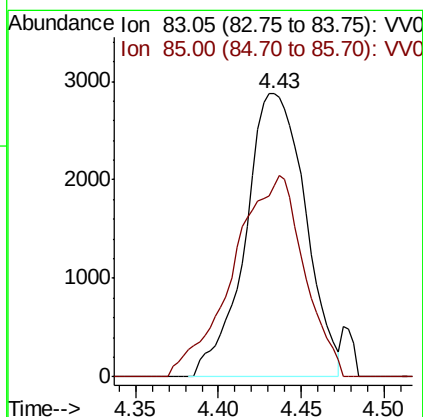
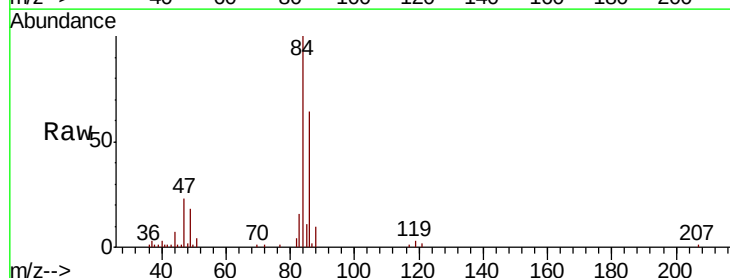
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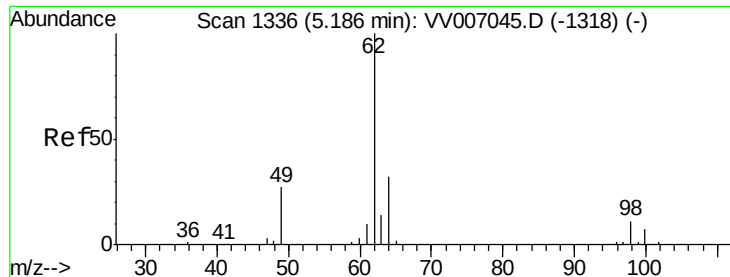
Tot Ion: 63 Resp: 738947  
 Ion Ratio Lower Upper  
 63 100  
 65 31.4 21.7 40.3  
 83 13.8 10.0 18.6



#25  
 Chloroform  
 Concen: 0.23 ug/L  
 RT: 4.43 min Scan# 1102  
 Delta R.T. 0.00 min  
 Lab File: VV007056.D  
 Acq: 17 Aug 2018 15:56

Tgt Ion: 83 Resp: 7255  
 Ion Ratio Lower Upper  
 83 100  
 85 67.7 44.7 82.9

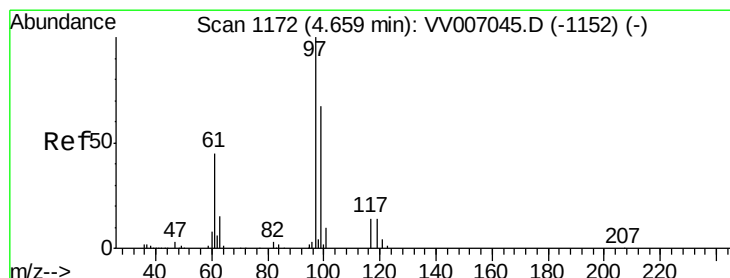
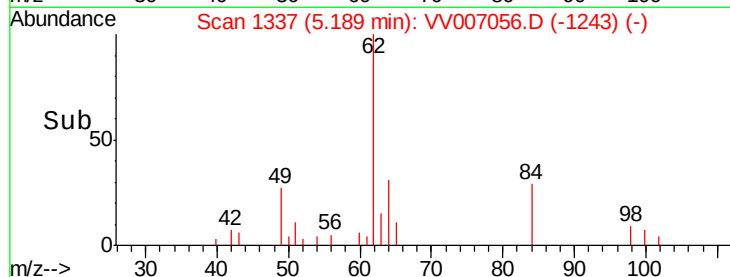
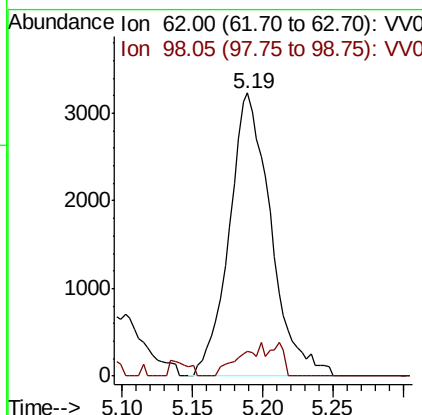
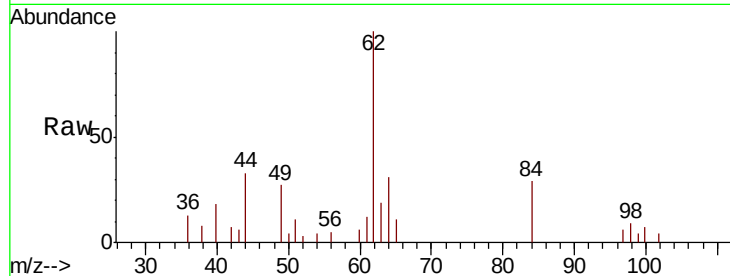




#27  
 1,2-Dichloroethane  
 Concen: 0.33 ug/L  
 RT: 5.19 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: VV007056.D  
 Acq: 17 Aug 2018 15:56

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 C0355

Tot Ion: 62 Resp: 6674  
 Ion Ratio Lower Upper  
 62 100  
 98 8.5 7.6 11.4



#29  
 1,1,1-Trichloroethane  
 Concen: 200.12 ug/L  
 RT: 4.66 min Scan# 1173  
 Delta R.T. 0.00 min  
 Lab File: VV007056.D  
 Acq: 17 Aug 2018 15:56

Tgt Ion: 97 Resp: 5505856  
 Ion Ratio Lower Upper  
 97 100  
 99 64.7 51.0 76.6  
 61 44.2 36.6 54.8

