

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\  
 Data File : VV017057.D  
 Acq On : 23 Jun 2020 15:46  
 Operator : SY/MD  
 Sample : L3067-01DL2 200X  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFXF8DL2

Quant Time: Jun 24 06:55:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jun 24 05:01:54 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 174214   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 172894   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 82990    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 41877    | 4.00     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 80.00% |
| 7) Chloroethane-d5             | 1.58   | 69    | 34612    | 4.55     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.00% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 66853    | 3.36     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.20% |
| 20) 2-Butanone-d5              | 3.93   | 46    | 127031   | 47.67    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 95.34% |
| 24) Chloroform-d               | 4.38   | 84    | 93926    | 4.20     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.00% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 56757    | 4.79     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.80% |
| 32) Benzene-d6                 | 5.07   | 84    | 202376   | 4.51     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.20% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 60082    | 4.47     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.40% |
| 41) Toluene-d8                 | 7.34   | 98    | 183477   | 4.36     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.20% |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 23180    | 4.15     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.00% |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 77754    | 36.49    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 72.98% |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 40877    | 4.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.60% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 71915    | 4.69     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 93.80% |

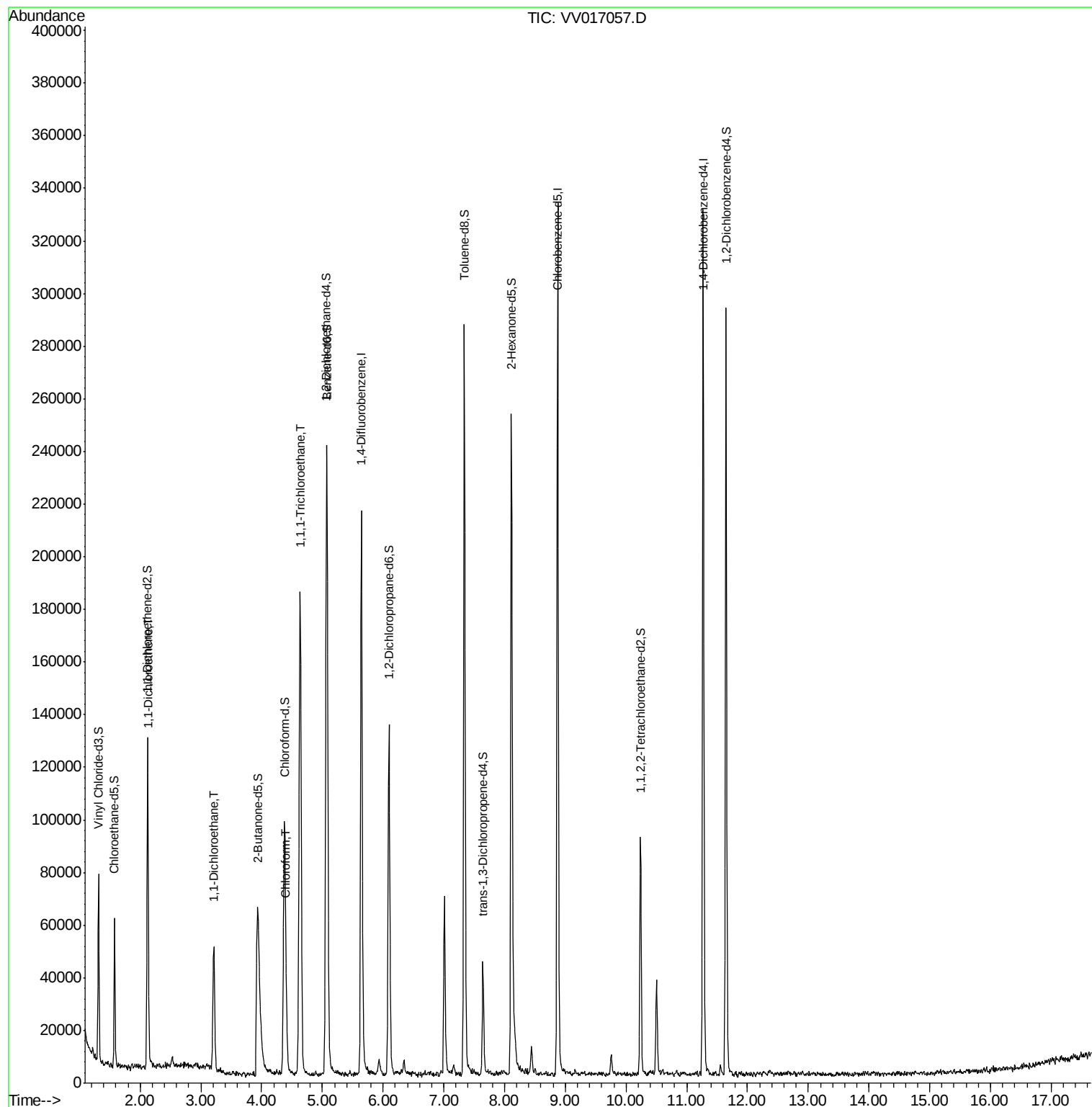
| Target Compounds          |      |    |        |            | Ovalue |
|---------------------------|------|----|--------|------------|--------|
| 12) 1,1-Dichloroethene    | 2.14 | 96 | 2728   | 0.326 ug/L | # 1    |
| 19) 1,1-Dichloroethane    | 3.21 | 63 | 43832  | 2.202 ug/L | 99     |
| 25) Chloroform            | 4.41 | 83 | 13384  | 0.616 ug/L | 97     |
| 29) 1,1,1-Trichloroethane | 4.63 | 97 | 143969 | 6.950 ug/L | 98     |

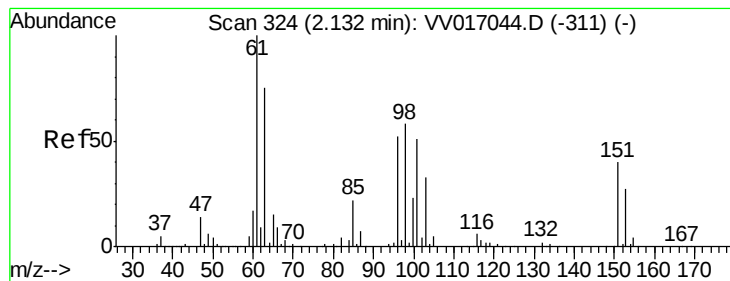
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.326 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV017057.D

Acq: 23 Jun 2020 15:46

Instrument :

MSVOA\_V

ClientSampled :

BFXF8DL2

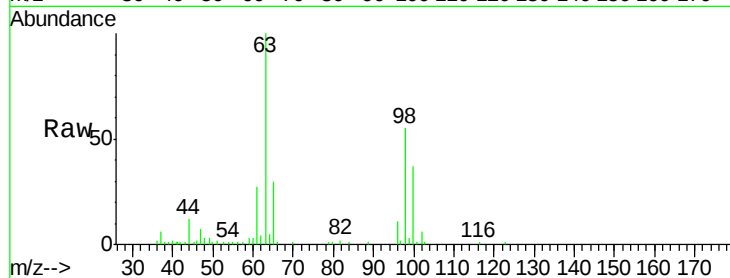
Tot Ion: 96 Resp: 2728

Ion Ratio Lower Upper

96 100

61 206.6 125.0 232.2

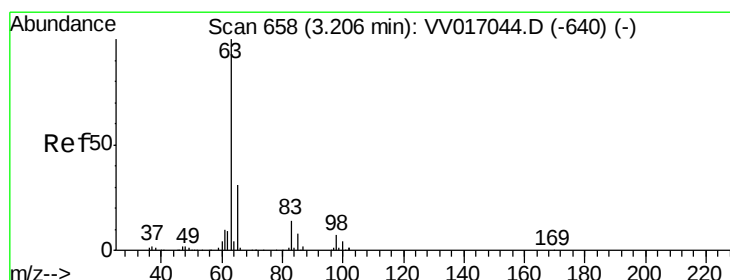
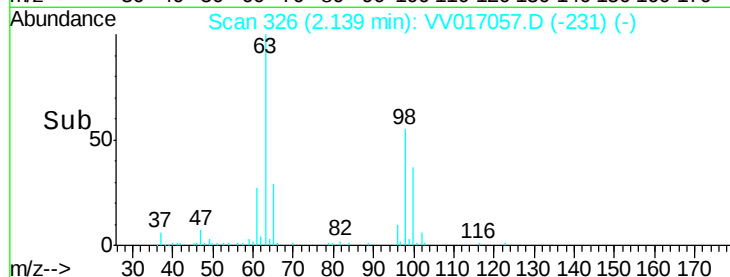
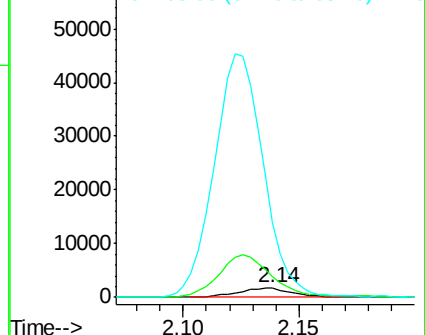
63 763.7 109.8 203.8#



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



#19

1,1-Dichloroethane

Concen: 2.202 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV017057.D

Acq: 23 Jun 2020 15:46

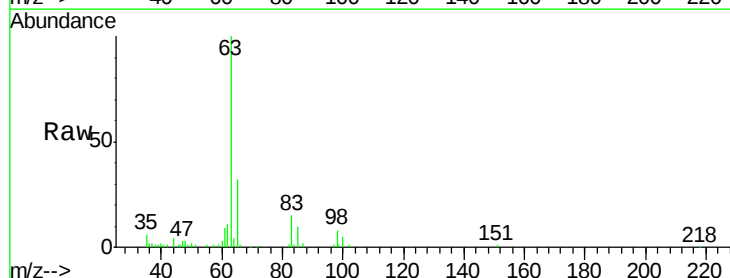
Tgt Ion: 63 Resp: 43832

Ion Ratio Lower Upper

63 100

65 31.6 21.8 40.4

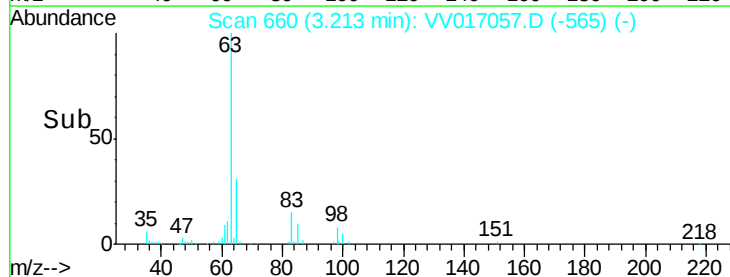
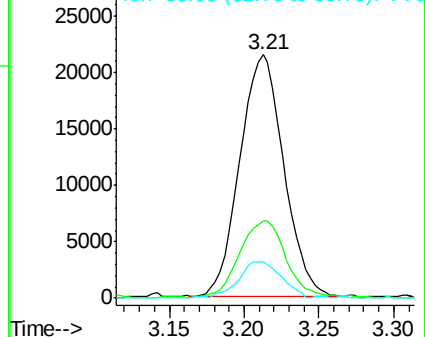
83 14.8 9.7 17.9

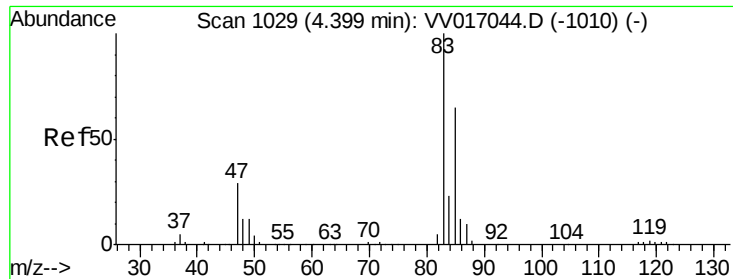


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0

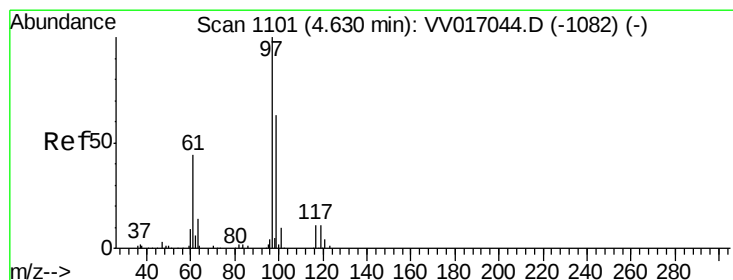
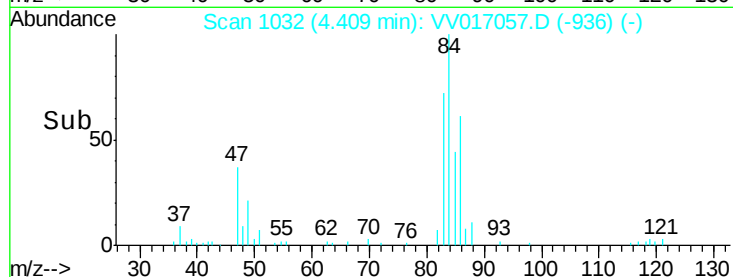
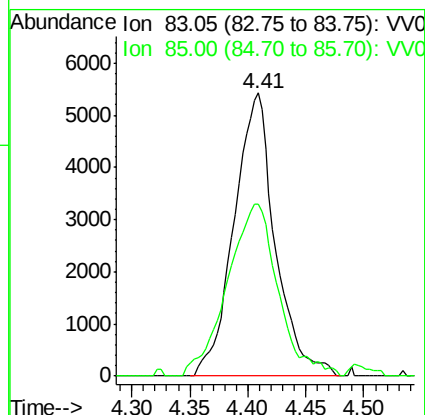
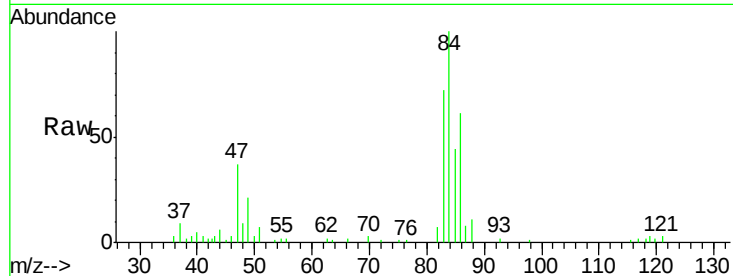




#25  
Chloroform  
Concen: 0.616 ug/L  
RT: 4.41 min Scan# 1032  
Delta R.T. 0.01 min  
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Tot Ion: 83 Resp: 13384  
Ion Ratio Lower Upper  
83 100  
85 60.7 44.2 82.2



#29  
1,1,1-Trichloroethane  
Concen: 6.950 ug/L  
RT: 4.63 min Scan# 1102  
Delta R.T. 0.00 min  
Lab File: VV017057.D  
Acq: 23 Jun 2020 15:46

Tgt Ion: 97 Resp: 143969  
Ion Ratio Lower Upper  
97 100  
99 65.1 50.3 75.5  
61 46.0 36.0 54.0

