

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\  
 Data File : VV008319.D  
 Acq On : 17 Oct 2018 02:15  
 Operator : SY/MD  
 Sample : J5463-06  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0JB7

Quant Time: Oct 17 06:51:08 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR101518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 17 05:02:19 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 77685    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 67777    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 27538    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 21631    | 4.93     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 98.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 15025    | 4.34     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 86.80% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 31581    | 3.75     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 75.00% |
| 20) 2-Butanone-d5              | 3.96   | 46    | 72370    | 49.15    | ug/L | -0.02  |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.30% |
| 24) Chloroform-d               | 4.41   | 84    | 42585    | 4.34     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.80% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 22355    | 4.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.80% |
| 32) Benzene-d6                 | 5.10   | 84    | 91678    | 4.60     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.00% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 31066    | 4.74     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.80% |
| 41) Toluene-d8                 | 7.36   | 98    | 79832    | 4.43     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.60% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 10106    | 3.72     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 74.40% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 42679    | 44.79    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 89.58% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 19016    | 4.37     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 87.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 24308    | 4.65     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 93.00% |

## Target Compounds

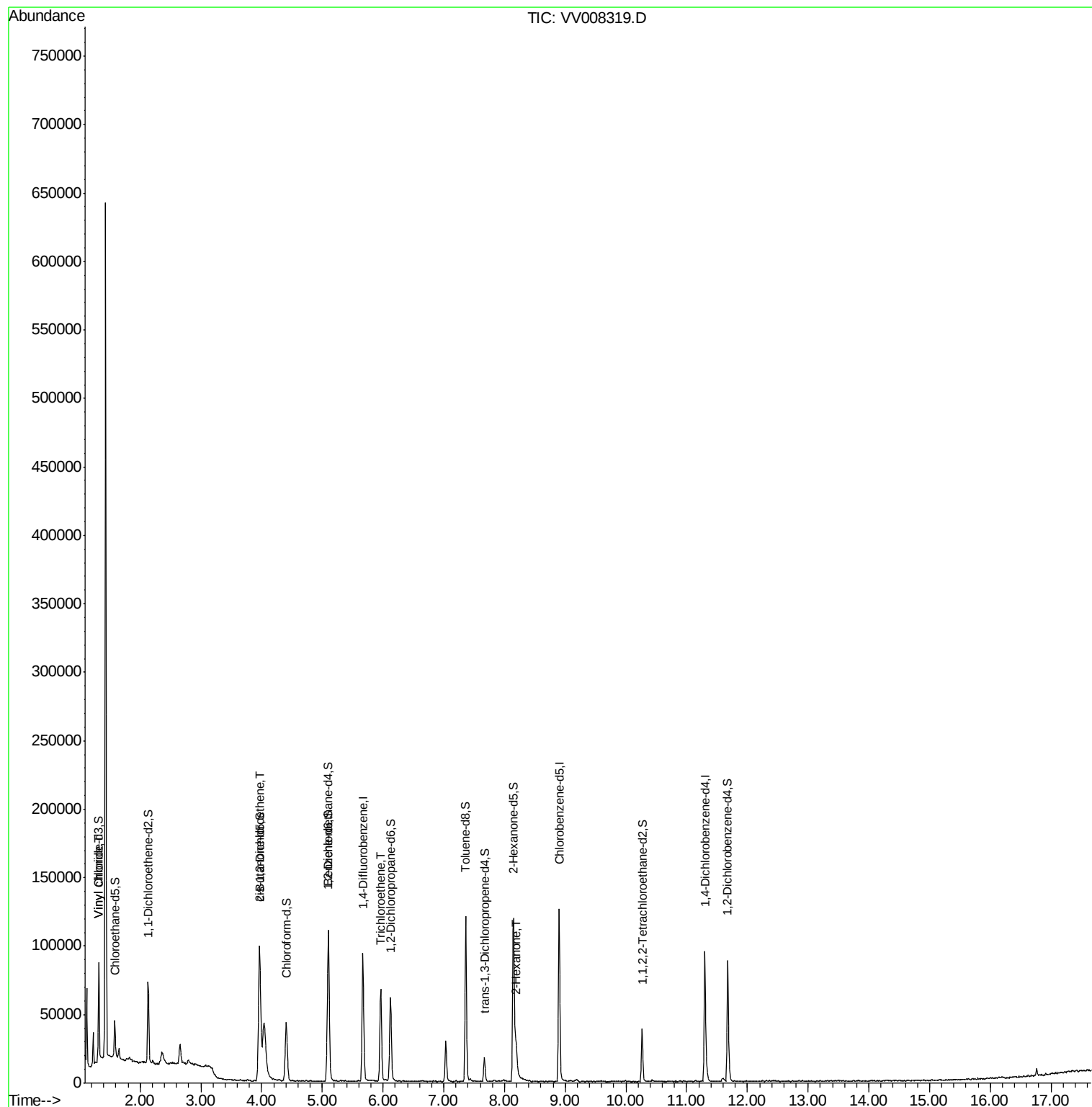
|                            |      |    |       |              | Ovalue |
|----------------------------|------|----|-------|--------------|--------|
| 5) Vinyl chloride          | 1.33 | 62 | 4982  | 0.862 ug/L # | 54     |
| 22) cis-1,2-Dichloroethene | 3.97 | 96 | 34048 | 5.252 ug/L # | 96     |
| 34) Trichloroethene        | 5.96 | 95 | 23181 | 3.662 ug/L   | 98     |
| 48) 2-Hexanone             | 8.20 | 43 | 17729 | 6.427 ug/L # | 91     |

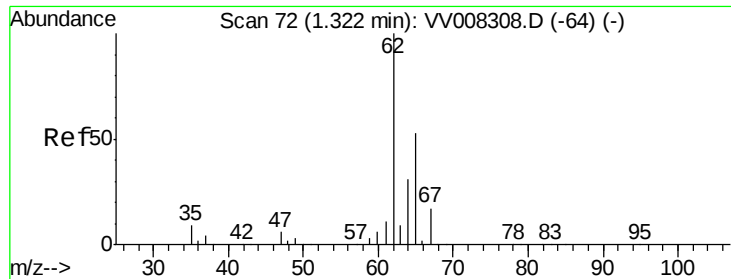
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.862 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008319.D

Acq: 17 Oct 2018 02:15

Instrument :

MSVOA\_V

ClientSampled :

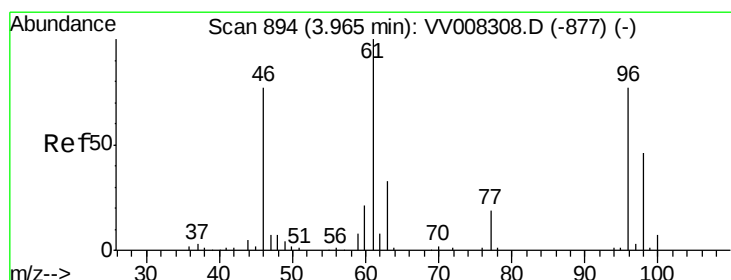
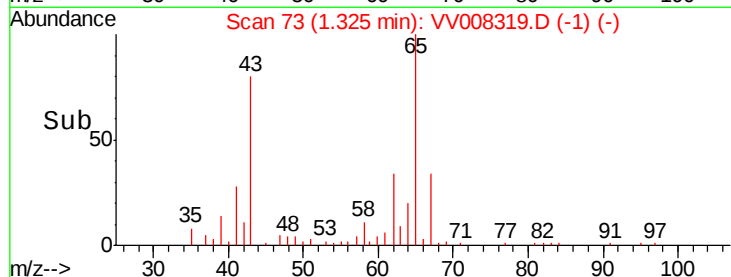
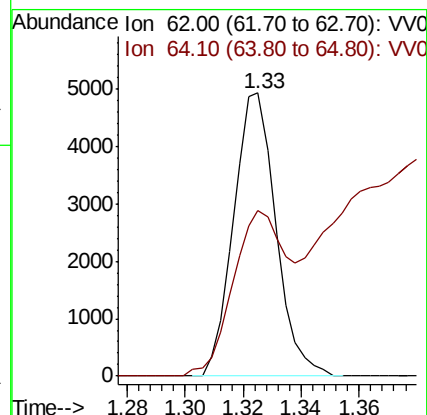
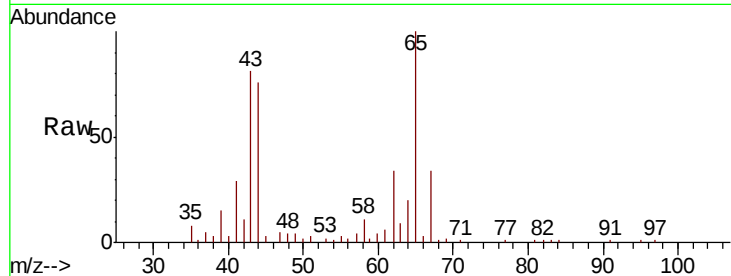
C0JB7

Tot Ion: 62 Resp: 4982

Ion Ratio Lower Upper

62 100

64 58.6 22.9 42.5#



#22

cis-1,2-Dichloroethene

Concen: 5.252 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV008319.D

Acq: 17 Oct 2018 02:15

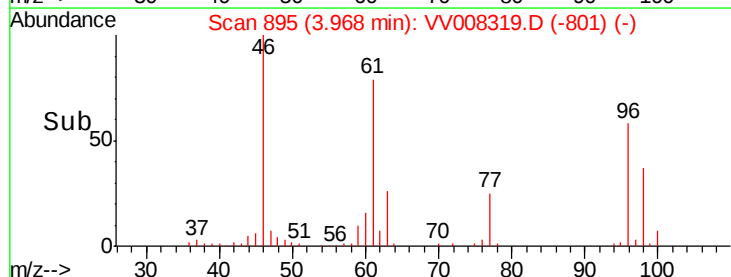
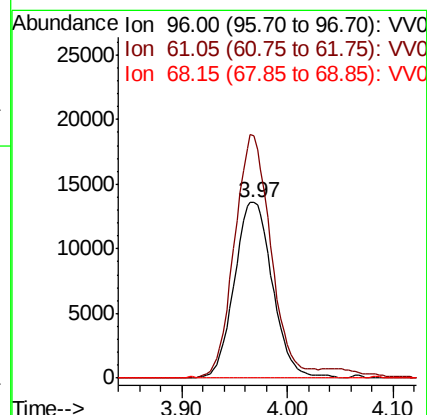
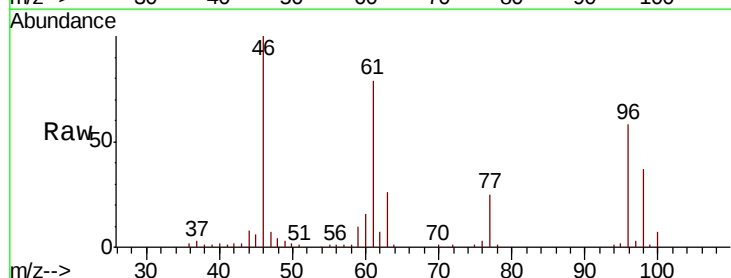
Tgt Ion: 96 Resp: 34048

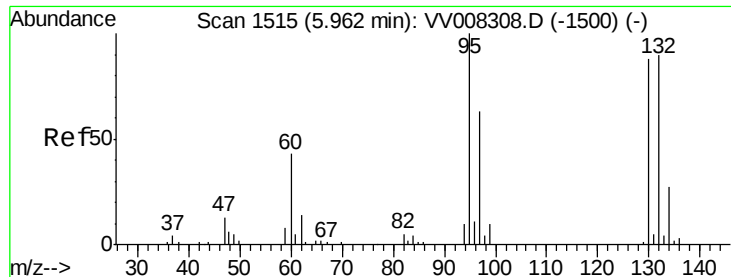
Ion Ratio Lower Upper

96 100

61 138.1 93.7 174.1

68 0.0 0.6 1.2#





#34

Trichloroethene

Concen: 3.662 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008319.D

Acq: 17 Oct 2018 02:15

Instrument :

MSVOA\_V

ClientSampleId :

C0JB7

Tot Ion: 95 Resp: 23181

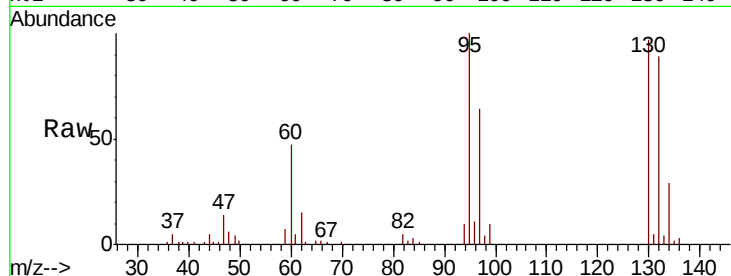
Ion Ratio Lower Upper

95 100

97 63.5 44.4 82.4

132 89.3 60.4 112.2

130 96.5 65.5 121.7

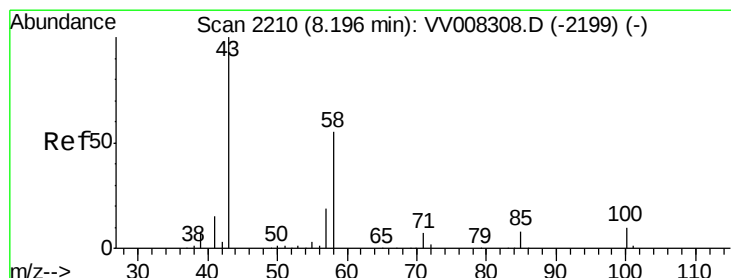
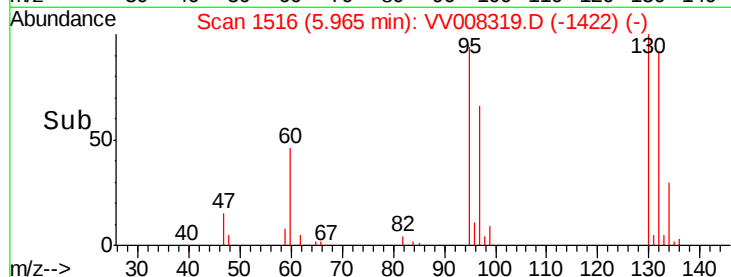
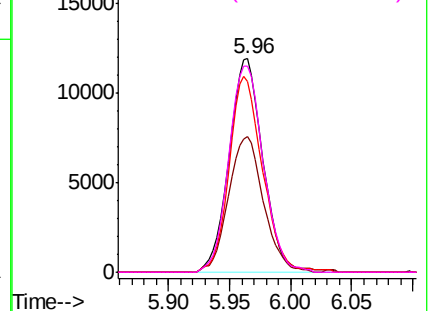


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#48

2-Hexanone

Concen: 6.427 ug/L

RT: 8.20 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VV008319.D

Acq: 17 Oct 2018 02:15

Tgt Ion: 43 Resp: 17729

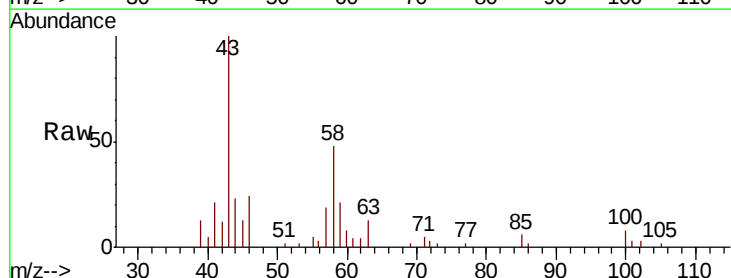
Ion Ratio Lower Upper

43 100

58 47.7 45.0 67.4

57 17.7 14.4 21.6

100 6.6 7.9 11.9#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

