

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR080718\  
 Data File : VR025581.D  
 Acq On : 7 Aug 2018 17:44  
 Operator : SY/MD  
 Sample : J4358-15  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 ESWX6

Quant Time: Aug 08 03:46:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR073018WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Aug 08 02:00:36 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 526433   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 469471   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 181642   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.16   | 65    | 118021   | 3.62     | ug/L | 0.01    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 72.40%  |
| 7) Chloroethane-d5             | 2.64   | 69    | 104154   | 4.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 81.00%  |
| 11) 1,1-Dichloroethene-d2      | 3.64   | 63    | 208315   | 2.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 55.20%# |
| 20) 2-Butanone-d5              | 6.60   | 46    | 137210   | 50.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.78% |
| 24) Chloroform-d               | 7.21   | 84    | 234829   | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.60%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 86724    | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.20%  |
| 32) Benzene-d6                 | 7.86   | 84    | 531379   | 4.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.40%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 152984   | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.60%  |
| 41) Toluene-d8                 | 9.97   | 98    | 489616   | 3.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.00%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 34728    | 4.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.20%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 172334   | 63.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 127.58% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 85146    | 5.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 113.80% |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 159320   | 5.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 114.80% |

## Target Compounds

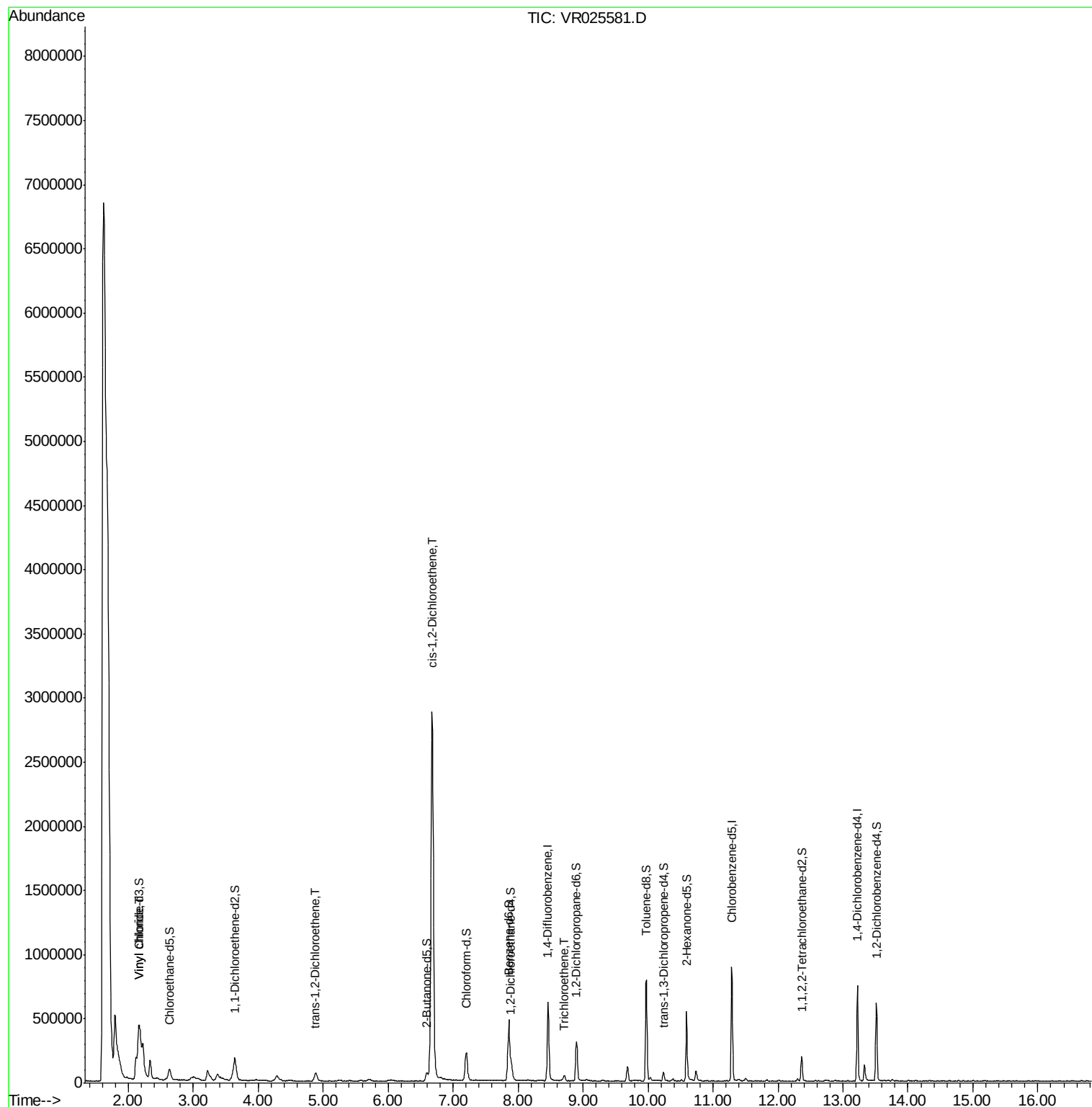
|                              |      |    |         |       | Ovalue    |
|------------------------------|------|----|---------|-------|-----------|
| 5) Vinyl chloride            | 2.17 | 62 | 974114  | 24.49 | ug/L 97   |
| 18) trans-1,2-Dichloroethene | 4.88 | 96 | 41697   | 1.16  | ug/L 99   |
| 22) cis-1,2-Dichloroethene   | 6.68 | 96 | 1880294 | 57.17 | ug/L # 95 |
| 34) Trichloroethene          | 8.71 | 95 | 14582   | 0.40  | ug/L 94   |

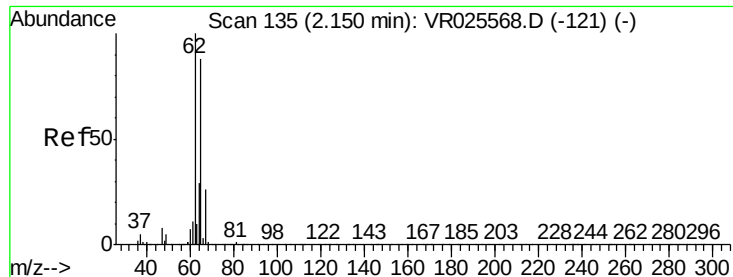
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 24.49 ug/L

RT: 2.17 min Scan# 138

Delta R.T. 0.01 min

Lab File: VR025581.D

Acq: 7 Aug 2018 17:44

Instrument :

MSVOA\_R

ClientSampleId :

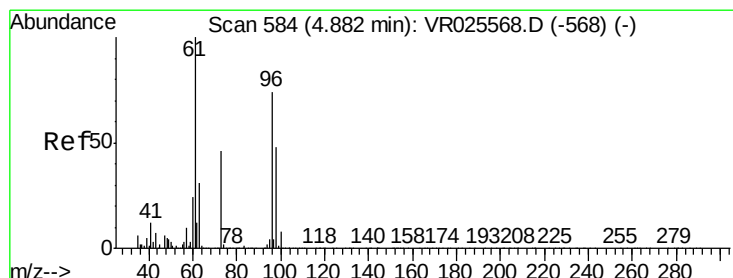
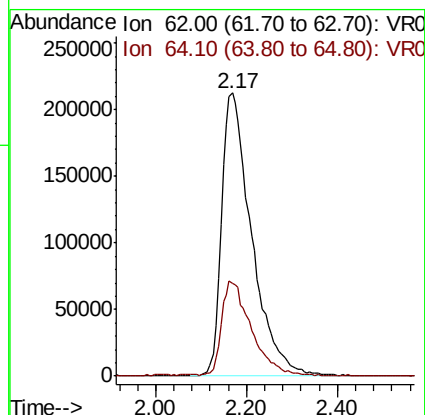
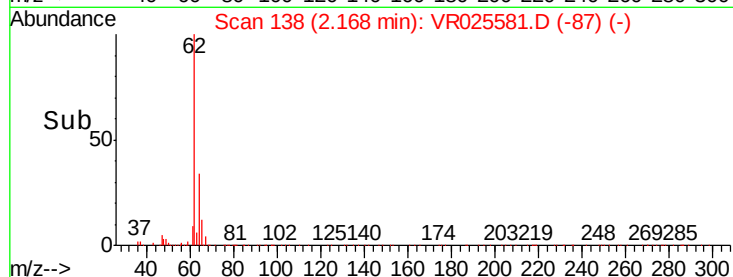
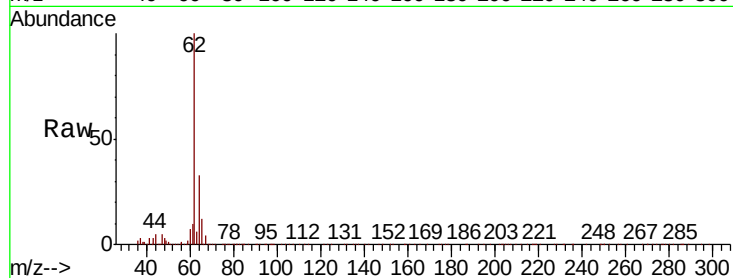
ESWX6

Tot Ion: 62 Resp: 974114

Ion Ratio Lower Upper

62 100

64 32.9 24.1 44.8



#18

trans-1,2-Dichloroethene

Concen: 1.16 ug/L

RT: 4.88 min Scan# 584

Delta R.T. -0.01 min

Lab File: VR025581.D

Acq: 7 Aug 2018 17:44

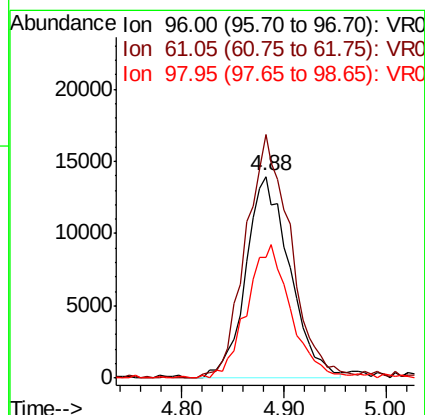
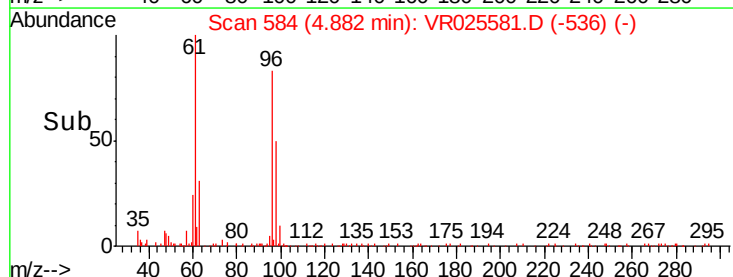
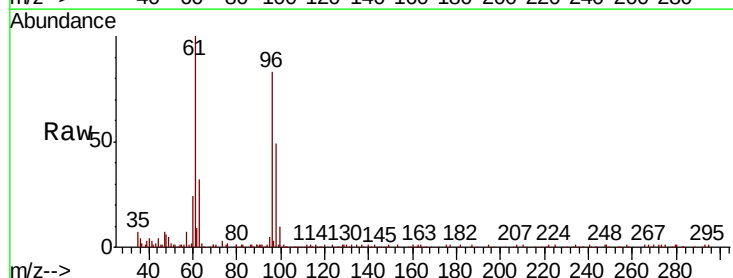
Tgt Ion: 96 Resp: 41697

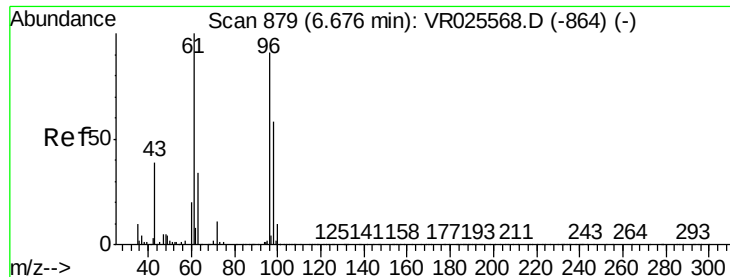
Ion Ratio Lower Upper

96 100

61 120.7 85.5 158.9

98 59.6 42.1 78.1





#22

cis-1,2-Dichloroethene

Concen: 57.17 ug/L

RT: 6.68 min Scan# 879

Delta R.T. -0.01 min

Lab File: VR025581.D

Acq: 7 Aug 2018 17:44

Instrument :

MSVOA\_R

ClientSampleId :

ESWX6

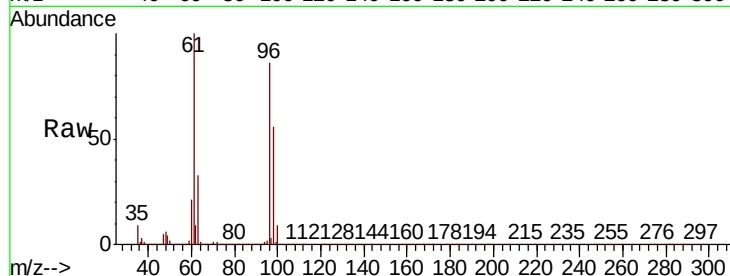
Tot Ion: 96 Resp: 1880294

Ion Ratio Lower Upper

96 100

61 116.8 77.7 144.3

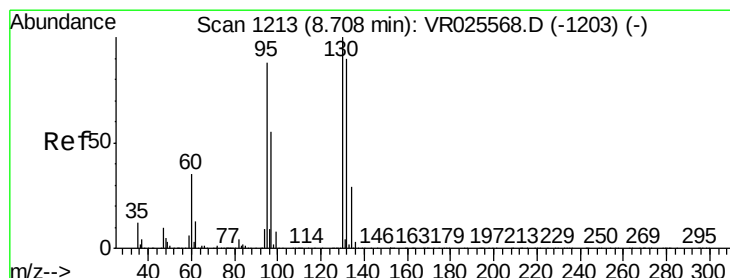
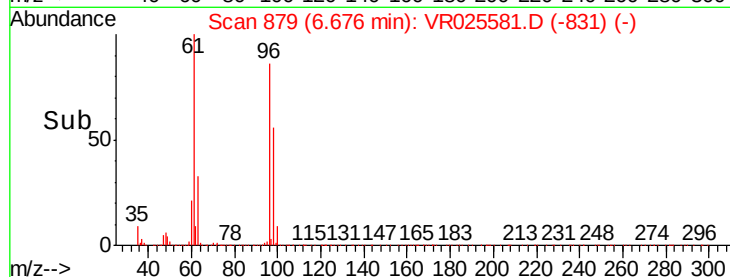
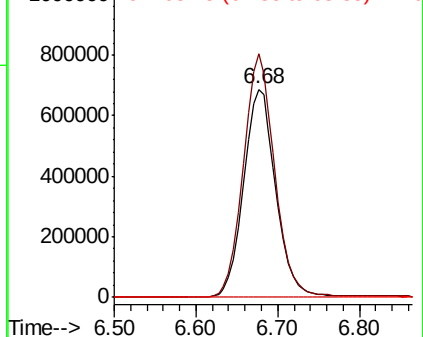
68 0.0 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0



#34

Trichloroethene

Concen: 0.40 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. -0.01 min

Lab File: VR025581.D

Acq: 7 Aug 2018 17:44

Tgt Ion: 95 Resp: 14582

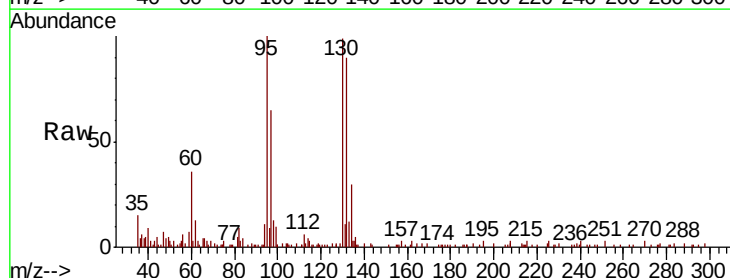
Ion Ratio Lower Upper

95 100

97 64.9 46.7 86.7

132 90.0 71.7 133.1

130 99.4 71.3 132.3



Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

