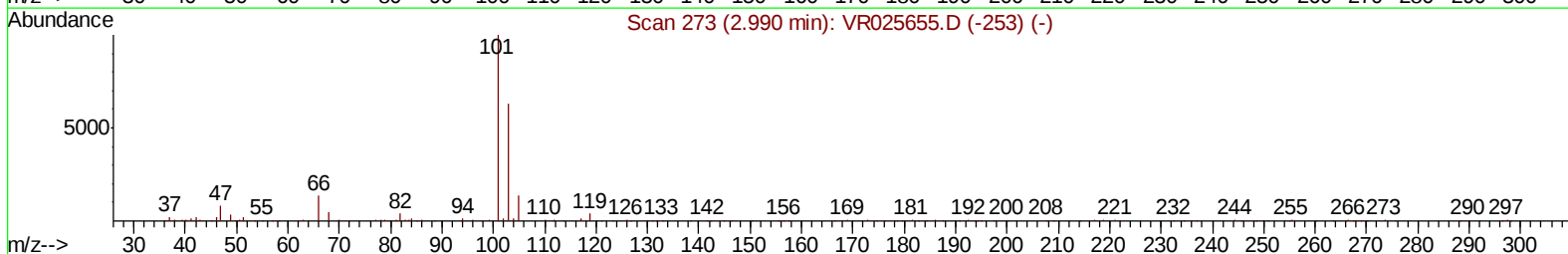
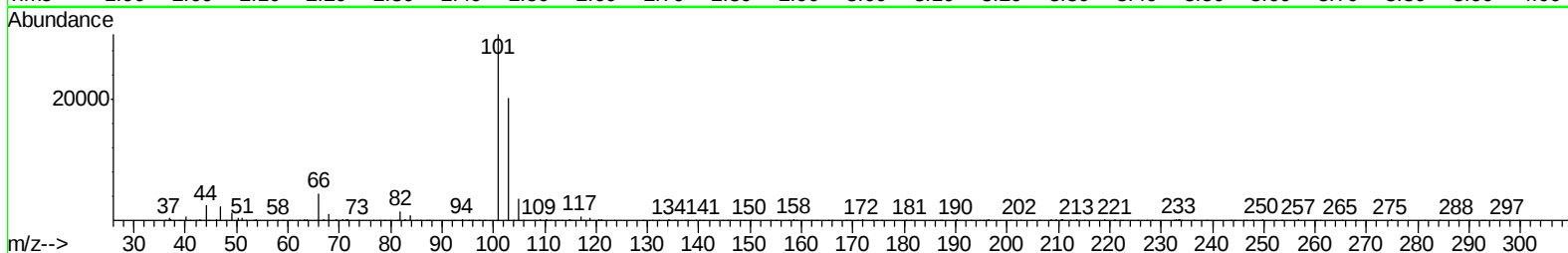
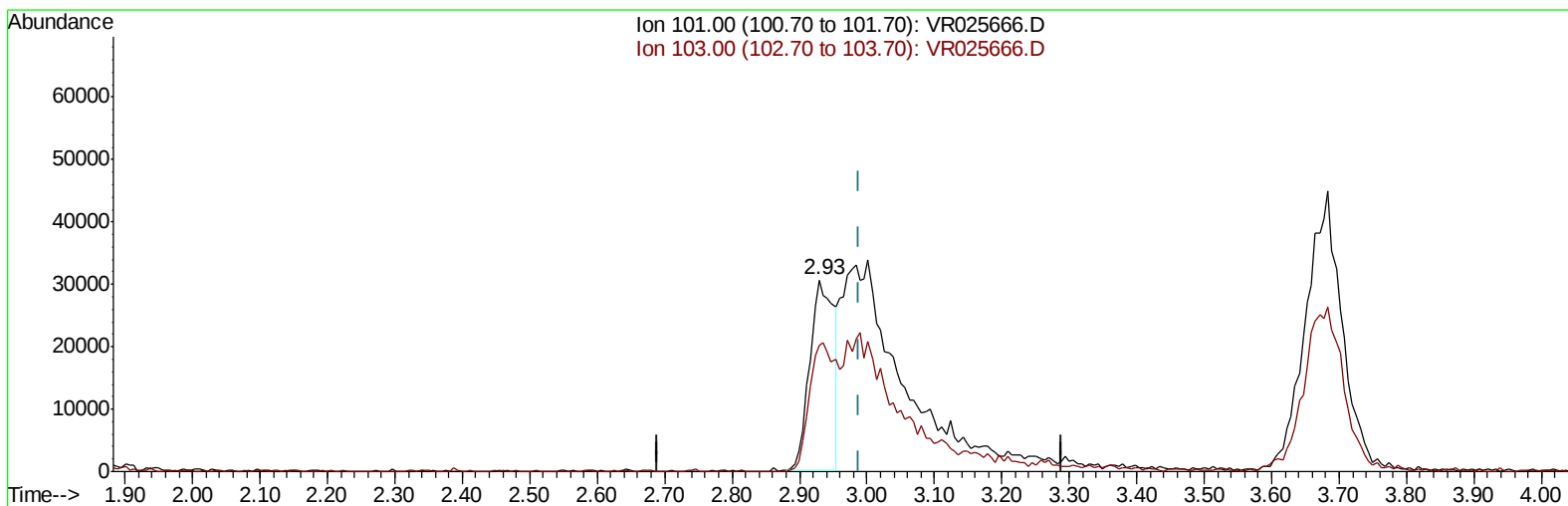


Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR090518\  
Data File : VR025666.D  
Acq On : 5 Sep 2018 12:04  
Operator : SY/MD  
Sample : VSTDCCC005  
Misc : 25mL/MSVOA R/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
BFB85

Quant Time: Sep 06 02:11:29 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR082118WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Aug 30 06:43:05 2018  
Response via : Initial Calibration



TIC: VR025666.D

(9) Trichlorofluoromethane (T)

2.929min (-0.061) 1.45ug/L

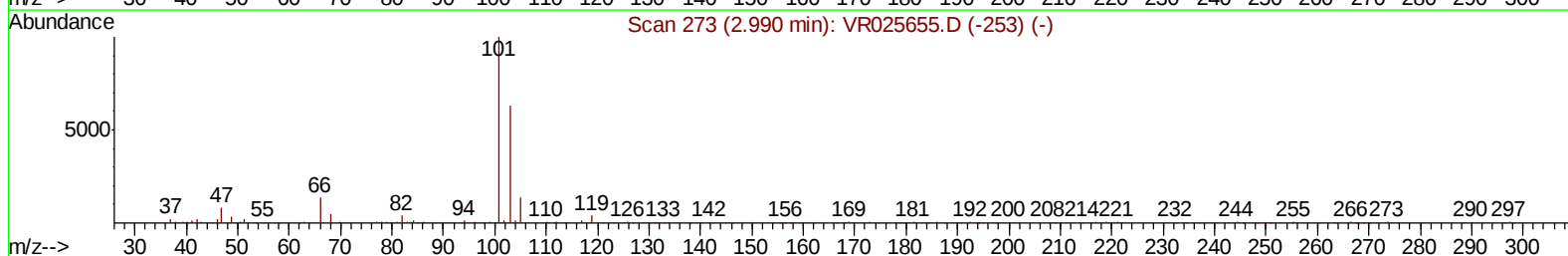
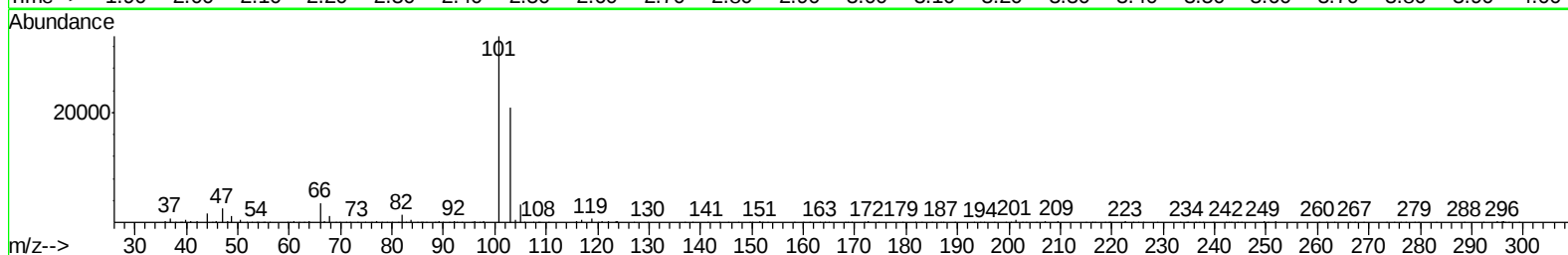
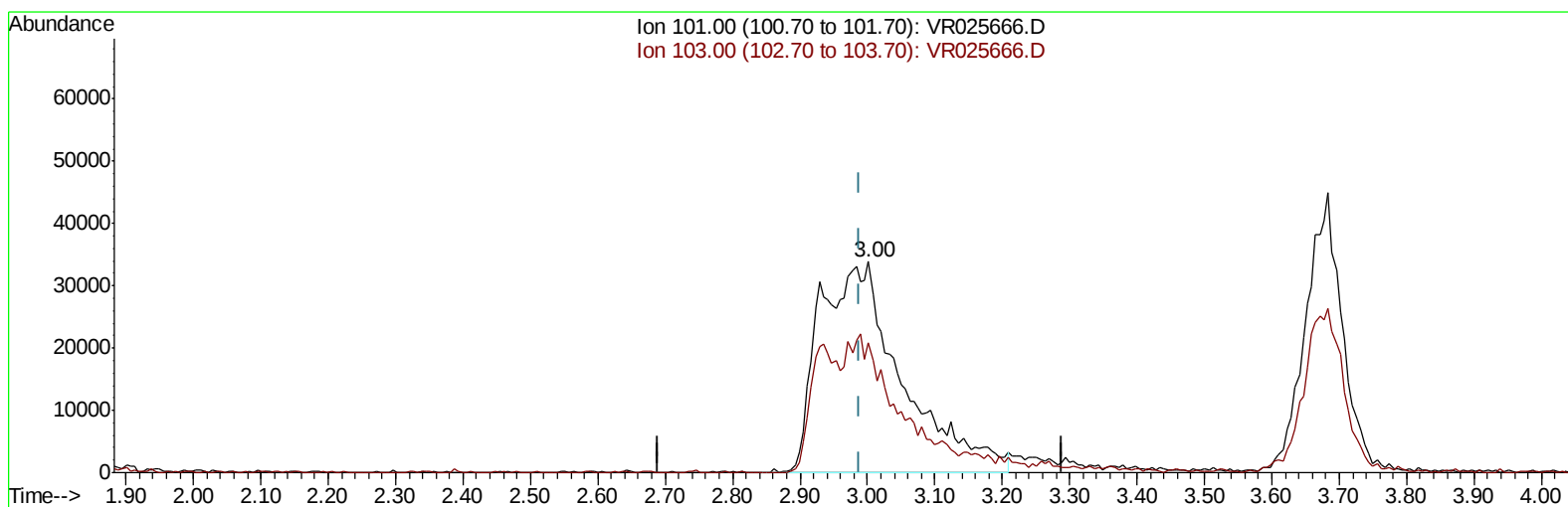
response 75836

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 101.00 | 100   | 100    |
| 103.00 | 20.50 | 77.23# |
| 0.00   | 0.00  | 0.00   |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR090518\  
Data File : VR025666.D  
Acq On : 5 Sep 2018 12:04  
Operator : SY/MD  
Sample : VSTDCCC005  
Misc : 25mL/MSVOA R/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
BFB85

Quant Time: Sep 06 02:11:29 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR082118WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Aug 30 06:43:05 2018  
Response via : Initial Calibration



TIC: VR025666.D

(9) Trichlorofluoromethane (T)

3.002min (+0.012) 5.49ug/L m

response 287801

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 101.00 | 100   | 100   |
| 103.00 | 20.50 | 20.35 |
| 0.00   | 0.00  | 0.00  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR090518\  
 Data File : VR025666.D  
 Acq On : 5 Sep 2018 12:04  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 BFB85

Quant Time: Sep 06 03:32:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR082118WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Aug 30 06:43:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.47  | 114  | 450017   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 395406   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 168568   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.16   | 65    | 130633   | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 89.20%  |
| 7) Chloroethane-d5             | 2.62   | 69    | 115311   | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.20%  |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 326765   | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 90.20%  |
| 20) 2-Butanone-d5              | 6.60   | 46    | 142285   | 63.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 127.50% |
| 24) Chloroform-d               | 7.21   | 84    | 260423   | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.20% |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 95047    | 5.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.20% |
| 32) Benzene-d6                 | 7.86   | 84    | 634195   | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.20%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 171263   | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 104.00% |
| 41) Toluene-d8                 | 9.97   | 98    | 602809   | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.00% |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 37685    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.00%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 163783   | 64.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 128.72% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 81646    | 5.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 107.40% |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 136001   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.00% |

## Target Compounds

|                                |      |     |         |       |        | Ovalue |
|--------------------------------|------|-----|---------|-------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.83 | 85  | 113980  | 4.57  | ug/L   | 93     |
| 3) Chloromethane               | 2.00 | 50  | 156593  | 4.24  | ug/L   | 96     |
| 5) Vinyl chloride              | 2.16 | 62  | 159944  | 4.43  | ug/L   | 99     |
| 6) Bromomethane                | 2.52 | 94  | 113561  | 4.62  | ug/L   | 99     |
| 8) Chloroethane                | 2.66 | 64  | 96352   | 4.34  | ug/L   | 87     |
| 9) Trichlorofluoromethane      | 3.00 | 101 | 287801m | 5.49  | ug/L   |        |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.68 | 101 | 168683  | 5.28  | ug/L   | 96     |
| 12) 1,1-Dichloroethene         | 3.65 | 96  | 156444  | 4.43  | ug/L # | 72     |
| 13) Acetone                    | 3.70 | 43  | 94139   | 67.70 | ug/L   | 99     |
| 14) Carbon disulfide           | 3.96 | 76  | 348160  | 3.78  | ug/L   | 97     |
| 15) Methyl Acetate             | 4.20 | 43  | 29446   | 5.60  | ug/L   | 99     |
| 16) Methylene chloride         | 4.41 | 84  | 141175  | 4.45  | ug/L   | 84     |
| 17) Methyl tert-butyl Ether    | 4.89 | 73  | 184897  | 5.10  | ug/L   | 96     |
| 18) trans-1,2-Dichloroethene   | 4.88 | 96  | 175309  | 4.70  | ug/L   | 99     |
| 19) 1,1-Dichloroethane         | 5.68 | 63  | 263374  | 4.57  | ug/L   | 94     |
| 21) 2-Butanone                 | 6.69 | 43  | 169593  | 61.89 | ug/L   | 99     |
| 22) cis-1,2-Dichloroethene     | 6.68 | 96  | 158377  | 4.94  | ug/L   | 89     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR090518\  
 Data File : VR025666.D  
 Acq On : 5 Sep 2018 12:04  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 BFB85

Quant Time: Sep 06 03:32:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR082118WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Aug 30 06:43:05 2018  
 Response via : Initial Calibration

| Internal Standards              | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|---------------------------------|-------|------|----------|-------|--------|----------|
| 23) Bromochloromethane          | 7.05  | 128  | 50745    | 5.16  | ug/L   | 95       |
| 25) Chloroform                  | 7.23  | 83   | 246054   | 4.91  | ug/L   | 97       |
| 27) 1,2-Dichloroethane          | 8.00  | 62   | 102810   | 5.49  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane       | 7.43  | 97   | 182582   | 4.75  | ug/L   | 99       |
| 30) Cyclohexane                 | 7.52  | 56   | 243937   | 4.93  | ug/L   | 98       |
| 31) Carbon tetrachloride        | 7.64  | 117  | 181978   | 5.39  | ug/L   | 97       |
| 33) Benzene                     | 7.91  | 78   | 700948   | 4.85  | ug/L   | 100      |
| 34) Trichloroethene             | 8.71  | 95   | 148630   | 4.49  | ug/L   | 93       |
| 35) Methylcyclohexane           | 8.96  | 83   | 293918   | 5.46  | ug/L   | 99       |
| 37) 1,2-Dichloropropane         | 8.99  | 63   | 160684   | 5.07  | ug/L # | 98       |
| 38) Bromodichloromethane        | 9.28  | 83   | 143038   | 5.17  | ug/L # | 97       |
| 39) cis-1,3-Dichloropropene     | 9.72  | 75   | 165903   | 5.11  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone        | 9.86  | 43   | 456228   | 59.42 | ug/L   | 100      |
| 42) Toluene                     | 10.03 | 91   | 757485   | 5.35  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene   | 10.27 | 75   | 117002   | 5.10  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane       | 10.44 | 97   | 71938    | 5.14  | ug/L   | 89       |
| 47) Tetrachloroethene           | 10.52 | 164  | 128753   | 5.09  | ug/L   | 94       |
| 48) 2-Hexanone                  | 10.64 | 43   | 314783   | 58.81 | ug/L   | 99       |
| 49) Dibromochloromethane        | 10.79 | 129  | 80353    | 5.33  | ug/L   | 89       |
| 50) 1,2-Dibromoethane           | 10.89 | 107  | 58771    | 5.30  | ug/L   | 86       |
| 51) Chlorobenzene               | 11.31 | 112  | 451796   | 5.12  | ug/L   | 98       |
| 52) Ethylbenzene                | 11.39 | 91   | 830804   | 5.49  | ug/L   | 96       |
| 53) m,p-Xylene                  | 11.50 | 106  | 333648   | 5.51  | ug/L   | 99       |
| 54) o-Xylene                    | 11.83 | 106  | 299518   | 5.55  | ug/L   | 97       |
| 55) Styrene                     | 11.85 | 104  | 482868   | 5.54  | ug/L   | 100      |
| 56) Isopropylbenzene            | 12.13 | 105  | 788213   | 5.76  | ug/L   | 99       |
| 58) 1,1,1,2,2-Tetrachloroethane | 12.38 | 83   | 73762    | 5.10  | ug/L   | 94       |
| 59) 1,2,3-Trichloropropane      | 12.44 | 75   | 47290    | 4.81  | ug/L   | 92       |
| 61) Bromoform                   | 12.01 | 173  | 31596    | 4.66  | ug/L   | 99       |
| 62) 1,3-Dichlorobenzene         | 13.16 | 146  | 249650   | 4.79  | ug/L   | 97       |
| 63) 1,4-Dichlorobenzene         | 13.24 | 146  | 289306   | 5.00  | ug/L   | 99       |
| 65) 1,2-Dichlorobenzene         | 13.53 | 146  | 224486   | 5.00  | ug/L   | 92       |
| 66) 1,2-Dibromo-3-chloropropan  | 14.15 | 75   | 6262     | 5.16  | ug/L # | 89       |
| 67) 1,3,5-Trichlorobenzene      | 14.29 | 180  | 165544   | 5.62  | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene      | 14.79 | 180  | 96007    | 5.25  | ug/L   | 96       |
| 69) Naphthalene                 | 15.00 | 128  | 107664   | 4.77  | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene      | 15.18 | 180  | 78771    | 5.54  | ug/L   | 93       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA R\DATA\VR090518\  
Data File : VR025666.D  
Acq On : 5 Sep 2018 12:04  
Operator : SY/MD  
Sample : VSTDCCC005  
Misc : 25mL/MSVOA R/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
BFB85

Quant Time: Sep 06 03:32:55 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR082118WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Aug 30 06:43:05 2018  
Response via : Initial Calibration

