

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR101818\  
 Data File : VR026132.D  
 Acq On : 18 Oct 2018 14:01  
 Operator : SY/MD  
 Sample : J5464-06  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C0JE1

Quant Time: Oct 19 04:42:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR101518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 19 04:39:21 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 540511   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 448072   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 134928   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 240570   | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.80% |
| 7) Chloroethane-d5             | 2.63   | 69    | 212438   | 5.22     | ug/L | 0.01    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.40% |
| 11) 1,1-Dichloroethene-d2      | 3.60   | 63    | 437904   | 3.77     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 75.40%  |
| 20) 2-Butanone-d5              | 6.58   | 46    | 213138   | 54.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 109.76% |
| 24) Chloroform-d               | 7.20   | 84    | 350930   | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.40%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 149361   | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.60%  |
| 32) Benzene-d6                 | 7.85   | 84    | 707462   | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.20%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 190854   | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.60% |
| 41) Toluene-d8                 | 9.97   | 98    | 654437   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.20%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 43461    | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.20%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 164141   | 58.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 116.60% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 72179    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.52  | 152   | 113716   | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.60% |

## Target Compounds

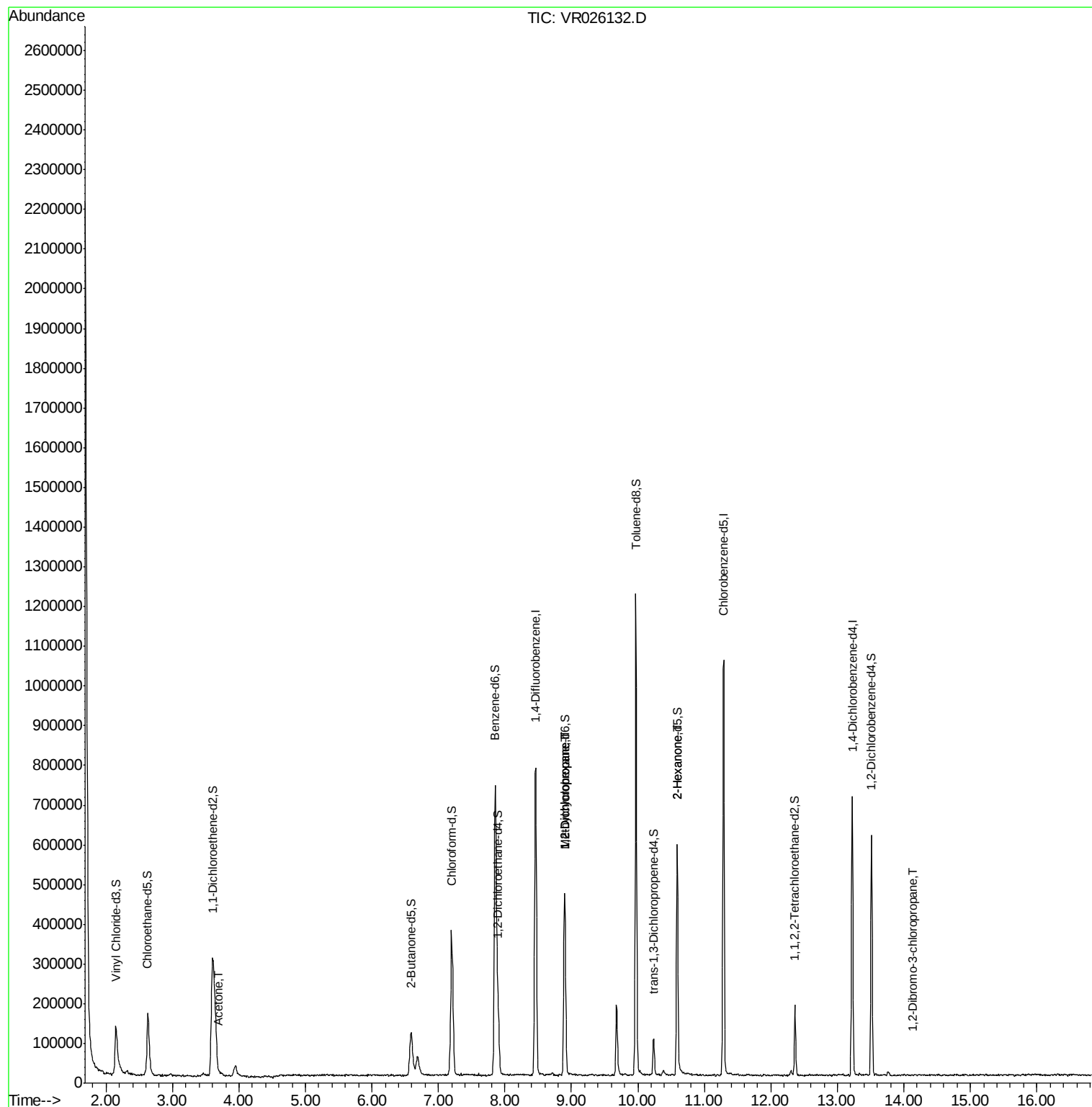
|                                |       |    |       |              | Qvalue |
|--------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                    | 3.70  | 43 | 7643  | 1.904 ug/L   | 85     |
| 35) Methylcyclohexane          | 8.90  | 83 | 44273 | 0.691 ug/L # | 19     |
| 37) 1,2-Dichloropropane        | 8.89  | 63 | 26018 | 0.733 ug/L # | 91     |
| 48) 2-Hexanone                 | 10.59 | 43 | 24330 | 3.439 ug/L # | 70     |
| 66) 1,2-Dibromo-3-chloropropan | 14.14 | 75 | 295   | 0.201 ug/L # | 44     |

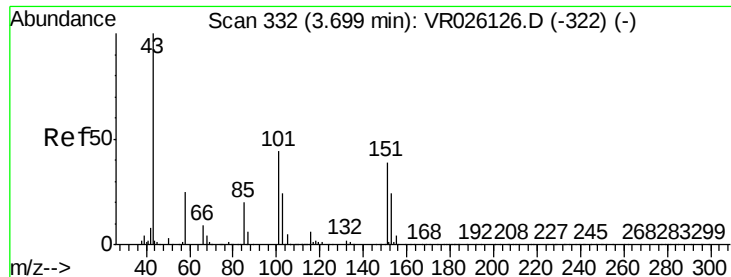
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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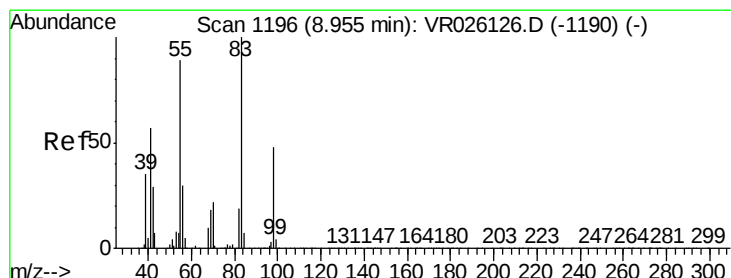
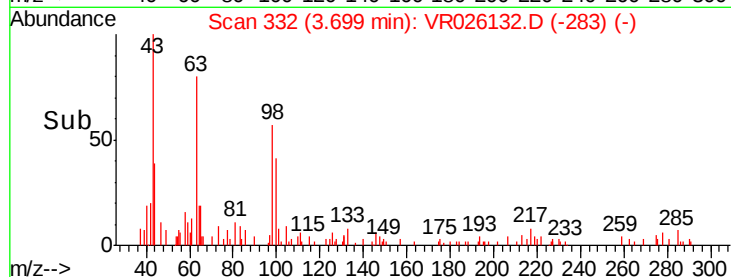
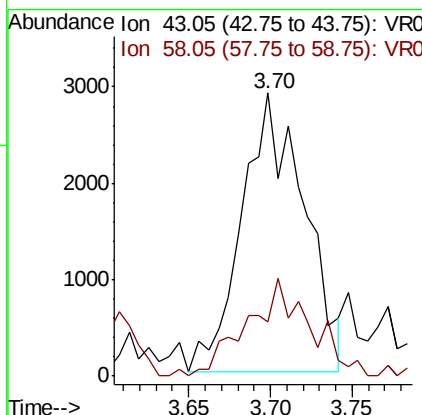
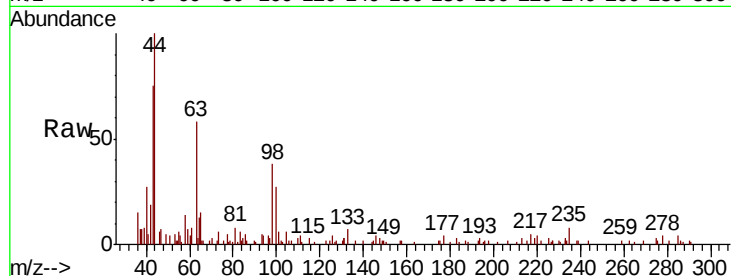




#13  
Acetone  
Concen: 1.904 ug/L  
RT: 3.70 min Scan# 332  
Delta R.T. 0.00 min  
Lab File: VR026132.D  
Acq: 18 Oct 2018 14:01

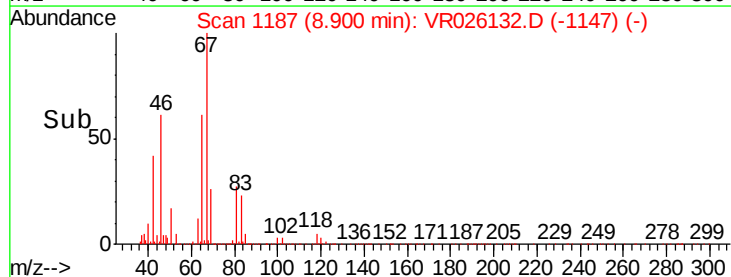
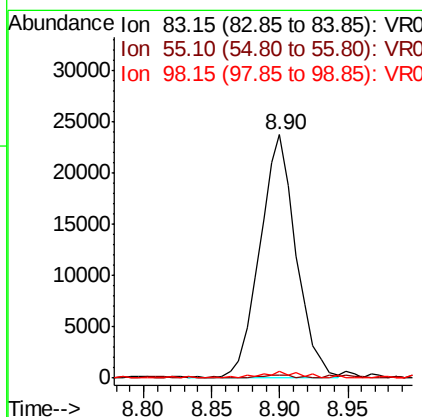
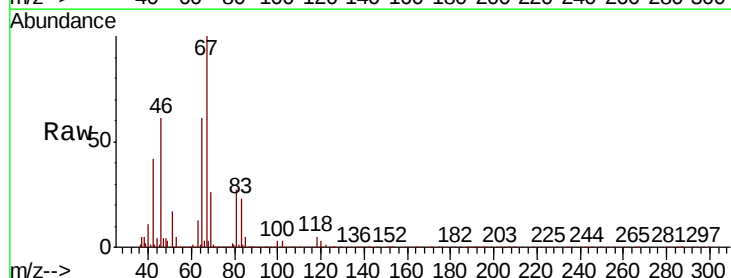
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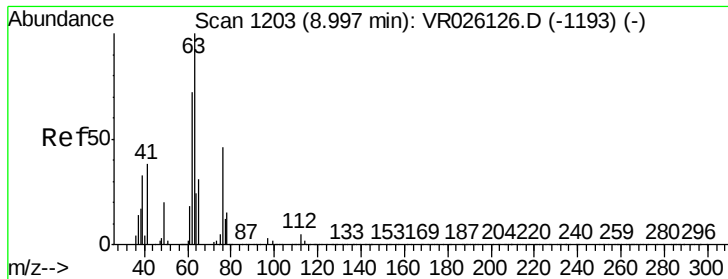
Tgt Ion: 43 Resp: 7643  
Ion Ratio Lower Upper  
43 100  
58 35.3 0.0 55.4



#35  
Methylcyclohexane  
Concen: 0.691 ug/L  
RT: 8.90 min Scan# 1187  
Delta R.T. -0.05 min  
Lab File: VR026132.D  
Acq: 18 Oct 2018 14:01

Tgt Ion: 83 Resp: 44273  
Ion Ratio Lower Upper  
83 100  
55 1.3 66.8 100.2#  
98 3.3 35.2 52.8#

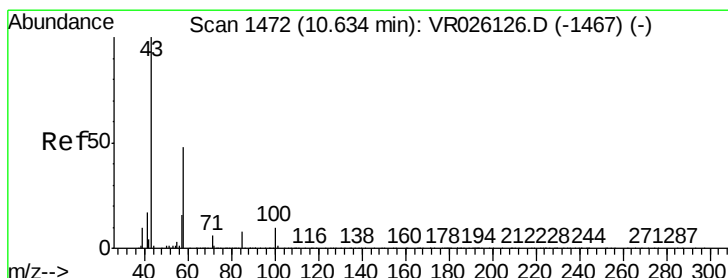
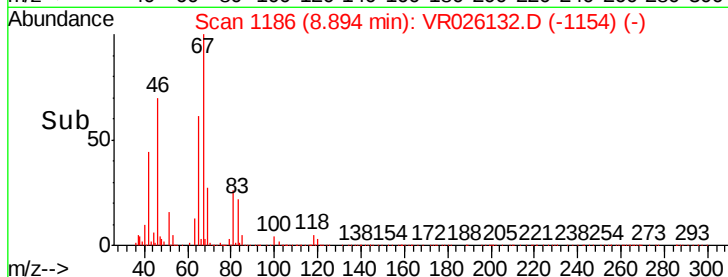
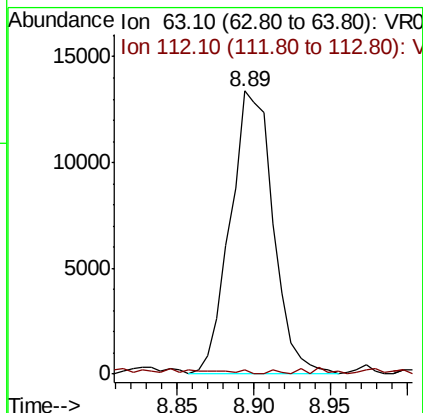
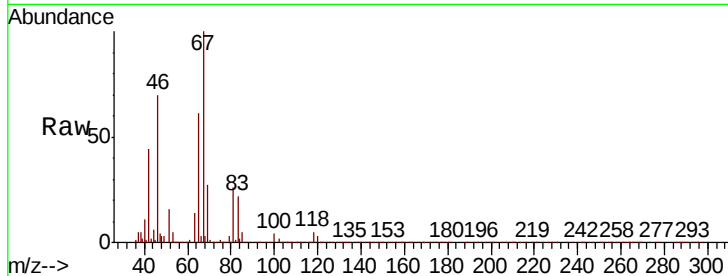




#37  
 1,2-Dichloropropane  
 Concen: 0.733 ug/L  
 RT: 8.89 min Scan# 1186  
 Delta R.T. -0.10 min  
 Lab File: VR026132.D  
 Acq: 18 Oct 2018 14:01

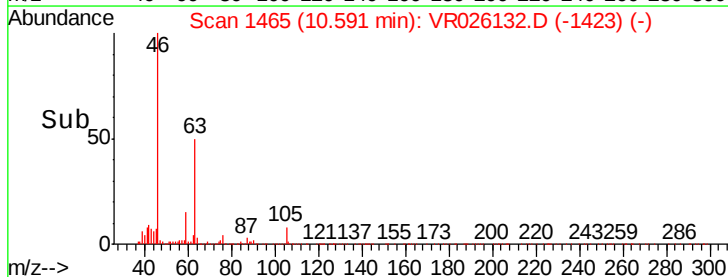
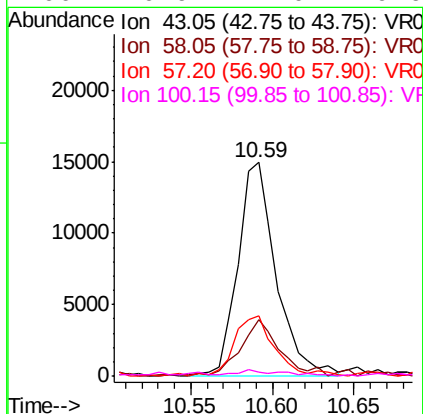
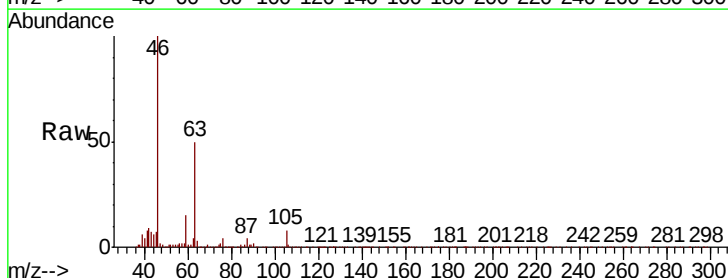
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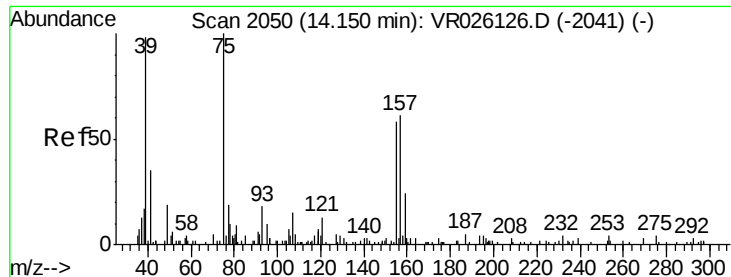
Tgt Ion: 63 Resp: 26018  
 Ion Ratio Lower Upper  
 63 100  
 112 0.4 2.7 4.1#



#48  
 2-Hexanone  
 Concen: 3.439 ug/L  
 RT: 10.59 min Scan# 1465  
 Delta R.T. -0.04 min  
 Lab File: VR026132.D  
 Acq: 18 Oct 2018 14:01

Tgt Ion: 43 Resp: 24330  
 Ion Ratio Lower Upper  
 43 100  
 58 27.7 39.6 59.4#  
 57 29.8 14.0 21.0#  
 100 0.9 7.0 10.6#





#66  
 1,2-Dibromo-3-chloropropane  
 Concen: 0.201 ug/L  
 RT: 14.14 min Scan# 2048  
 Delta R.T. -0.01 min  
 Lab File: VR026132.D  
 Acq: 18 Oct 2018 14:01

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C0JE1

Tgt Ion: 75 Resp: 295  
 Ion Ratio Lower Upper  
 75 100  
 155 20.4 40.9 61.3#  
 157 26.1 67.3 100.9#

