

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\  
 Data File : VW016720.D  
 Acq On : 30 Sep 2020 18:26  
 Operator : SY/VA  
 Sample : L4201-06  
 Misc : 5.41G/10ML/MSVOA W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AN9

Quant Time: Oct 01 05:08:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 01 05:05:13 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 475952   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 443123   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 215270   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 71602    | 15.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 62.16%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 71818    | 19.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.36%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 134332   | 13.04    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 52.16%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 57751    | 45.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.96%  |
| 24) Chloroform-d               | 7.65   | 84    | 242975   | 24.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.60%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 132381   | 25.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 103.60% |
| 29) Benzene-d6                 | 8.28   | 84    | 447879   | 22.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 90.16%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 132845   | 24.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 98.68%  |
| 37) Toluene-d8                 | 10.33  | 98    | 425938   | 21.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 87.16%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 56728    | 20.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 83.60%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 45799    | 46.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.52%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 109827   | 23.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 95.88%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 176841   | 25.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.84% |

## Target Compounds

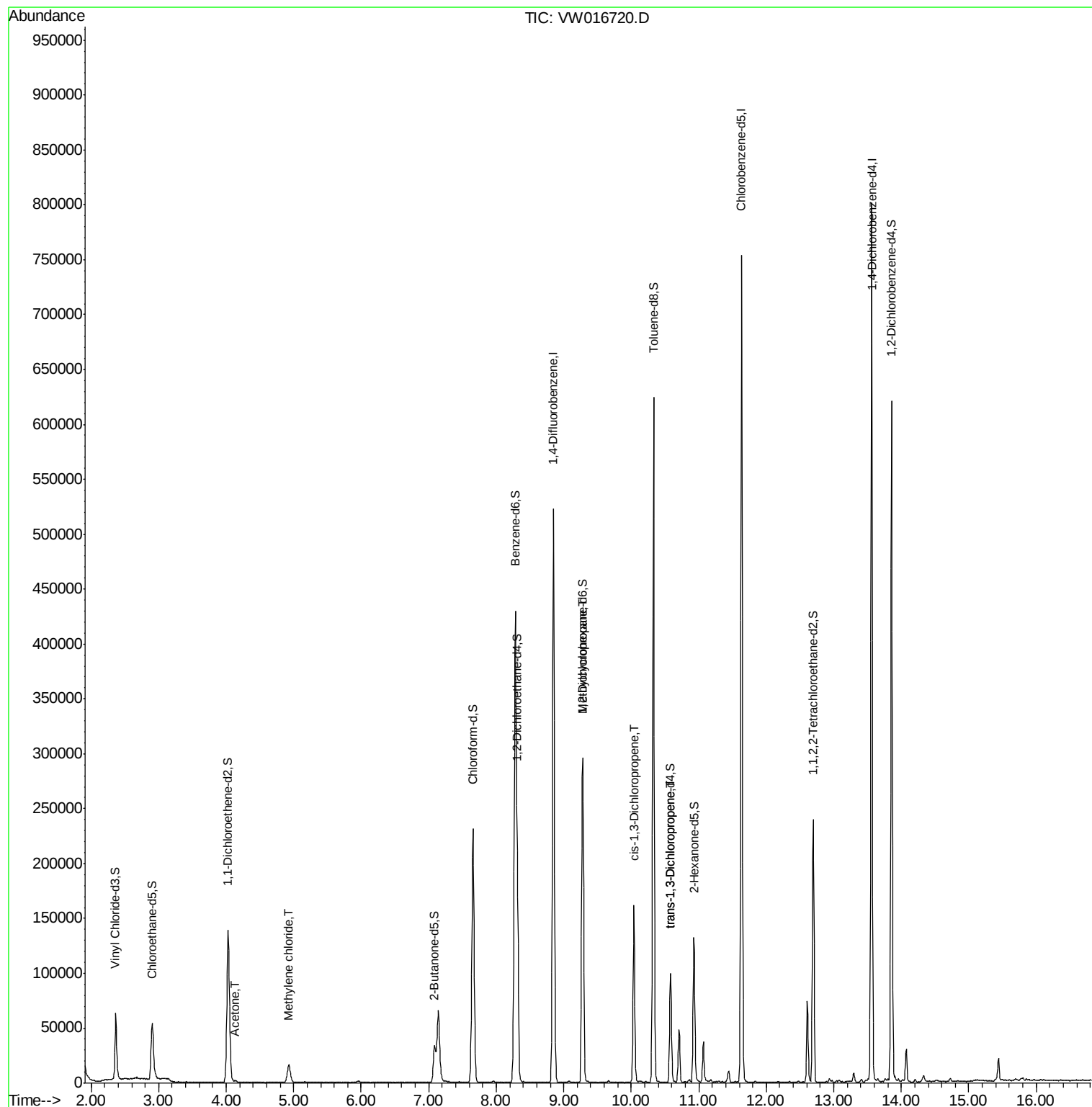
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 4.14  | 43 | 2735  | 2.780 ug/L   | 94     |
| 16) Methylene chloride        | 4.93  | 84 | 13943 | 1.899 ug/L   | 88     |
| 36) Methylcyclohexane         | 9.28  | 83 | 36521 | 3.133 ug/L # | 21     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75 | 4802  | 0.509 ug/L # | 74     |
| 45) trans-1,3-Dichloropropene | 10.59 | 75 | 2884  | 0.351 ug/L   | 91     |

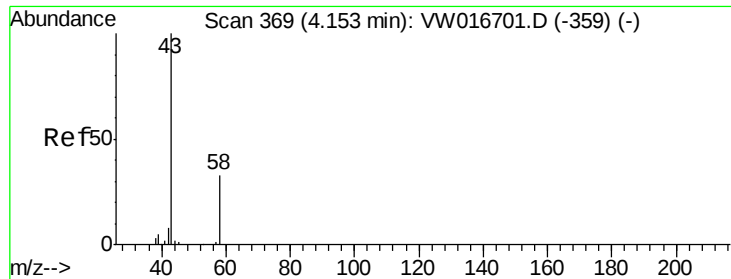
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Oct 01 05:05:13 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 2.780 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.02 min

Lab File: VW016720.D

Acq: 30 Sep 2020 18:26

Instrument :

MSVOA\_W

ClientSampleId :

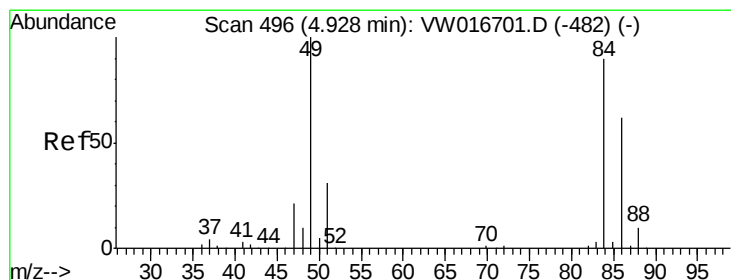
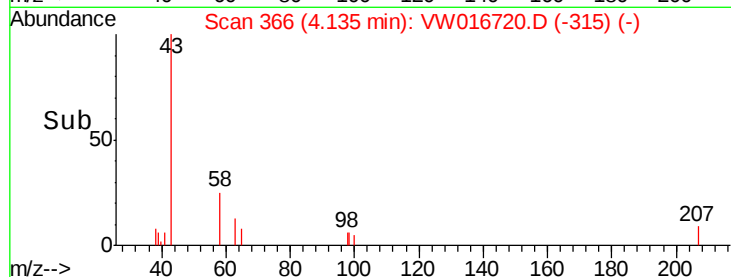
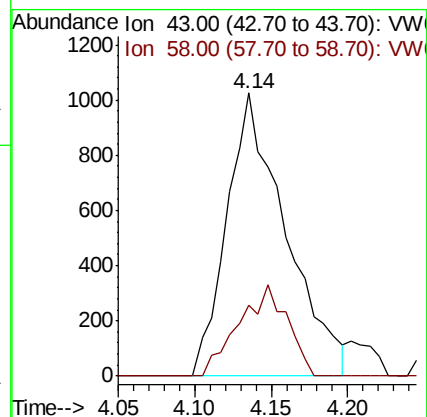
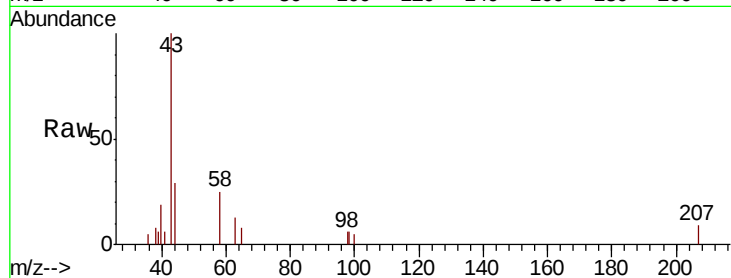
C0AN9

Tot Ion: 43 Resp: 2735

Ion Ratio Lower Upper

43 100

58 26.6 0.0 60.2



#16

Methylene chloride

Concen: 1.899 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW016720.D

Acq: 30 Sep 2020 18:26

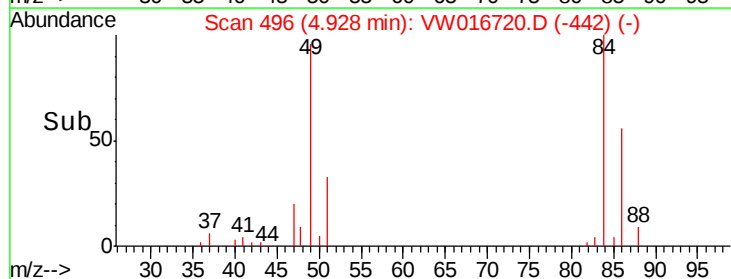
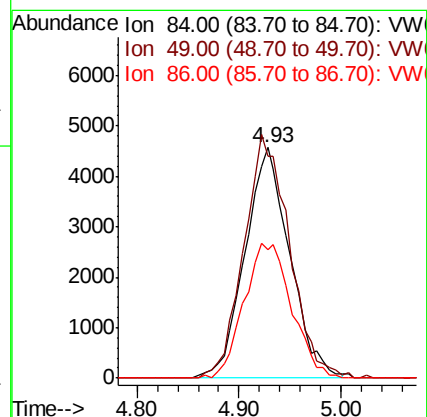
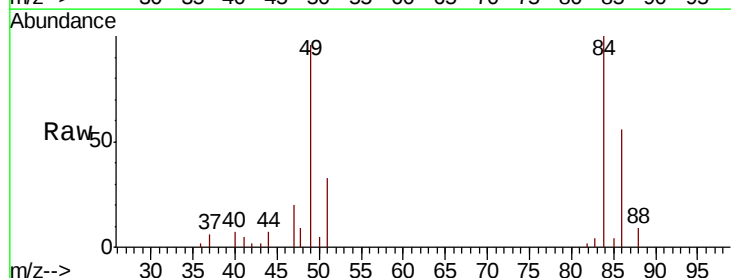
Tgt Ion: 84 Resp: 13943

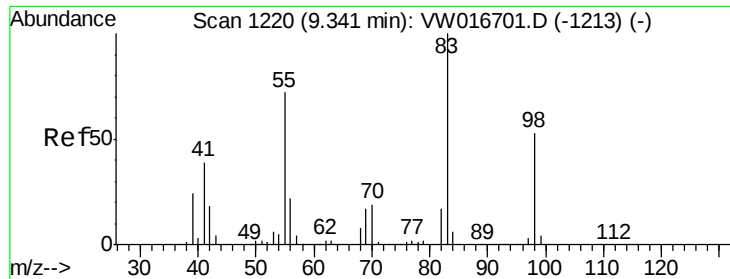
Ion Ratio Lower Upper

84 100

49 96.5 76.0 141.2

86 55.9 45.6 84.6

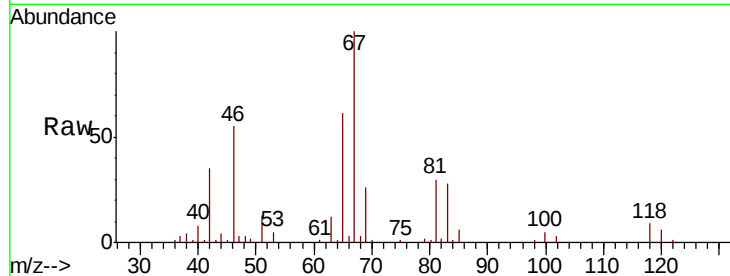




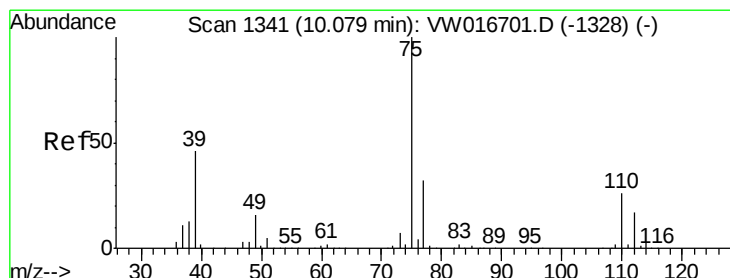
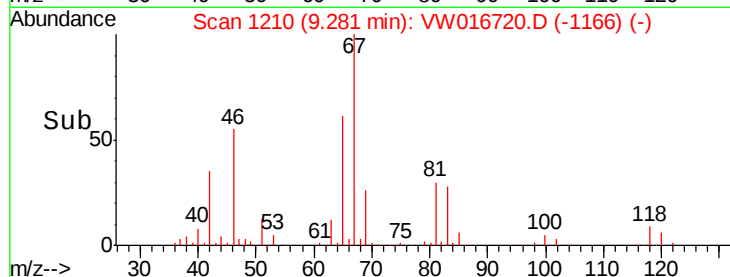
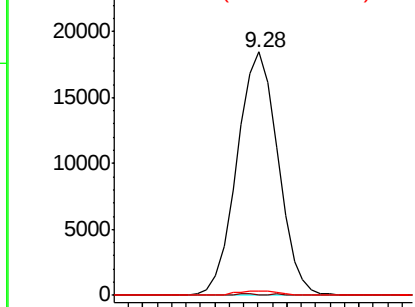
#36  
Methylcyclohexane  
Concen: 3.133 ug/L  
RT: 9.28 min Scan# 1210  
Delta R.T. -0.06 min  
Lab File: VW016720.D  
Acq: 30 Sep 2020 18:26

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0AN9

Tot Ion: 83 Resp: 36521  
Ion Ratio Lower Upper  
83 100  
55 0.4 55.9 83.9#  
98 1.9 42.1 63.1#

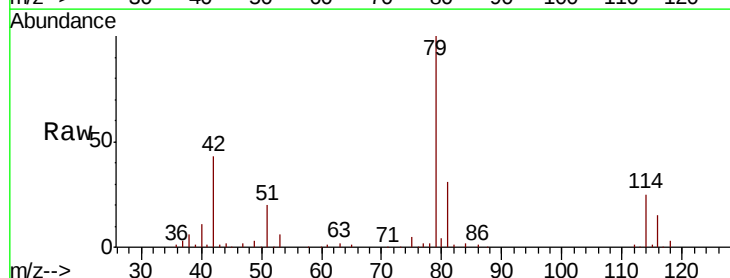


Abundance Ion 83.00 (82.70 to 83.70): VW  
Ion 55.00 (54.70 to 55.70): VW  
Ion 98.00 (97.70 to 98.70): VW

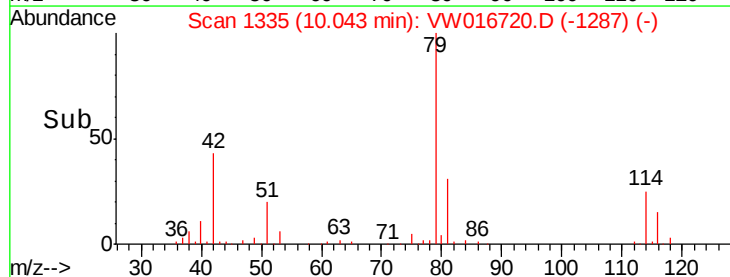
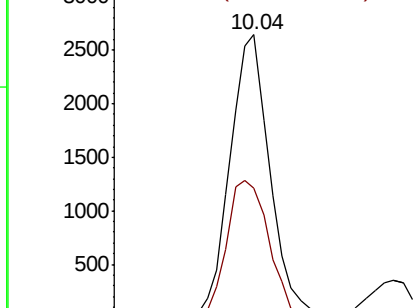


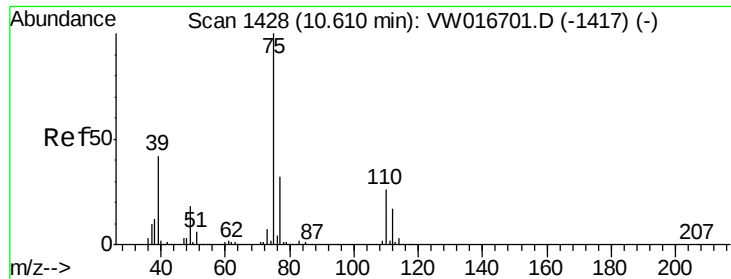
#42  
cis-1,3-Dichloropropene  
Concen: 0.509 ug/L  
RT: 10.04 min Scan# 1335  
Delta R.T. -0.04 min  
Lab File: VW016720.D  
Acq: 30 Sep 2020 18:26

Tgt Ion: 75 Resp: 4802  
Ion Ratio Lower Upper  
75 100  
77 46.1 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW  
Ion 77.00 (76.70 to 77.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.351 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016720.D

Acq: 30 Sep 2020 18:26

Instrument :

MSVOA\_W

ClientSampleId :

C0AN9

Tot Ion: 75 Resp: 2884

Ion Ratio Lower Upper

75 100

77 27.3 22.5 41.9

