

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100318\  
 Data File : VW005807.D  
 Acq On : 03 Oct 2018 11:51  
 Operator : SY/AP  
 Sample : VW1003SBL01  
 Misc : 5.00G/105ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 04 05:17:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM092818S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 04 05:16:38 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 243909   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 239664   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 112743   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 66243    | 21.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.20%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 53758    | 22.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.64%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 115486   | 17.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.04%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 54766    | 54.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 109.72% |
| 24) Chloroform-d               | 7.65   | 84    | 156175   | 24.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.68%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 100620   | 26.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 106.04% |
| 29) Benzene-d6                 | 8.27   | 84    | 288064   | 24.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.12%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 86761    | 25.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.20% |
| 37) Toluene-d8                 | 10.33  | 98    | 269235   | 22.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.96%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 40458    | 22.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.84%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 41936    | 52.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 104.44% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 86964    | 26.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 104.44% |
| 61) 1,2-Dichlorobenzene-d4     | 13.87  | 152   | 105550   | 26.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 105.84% |

## Target Compounds

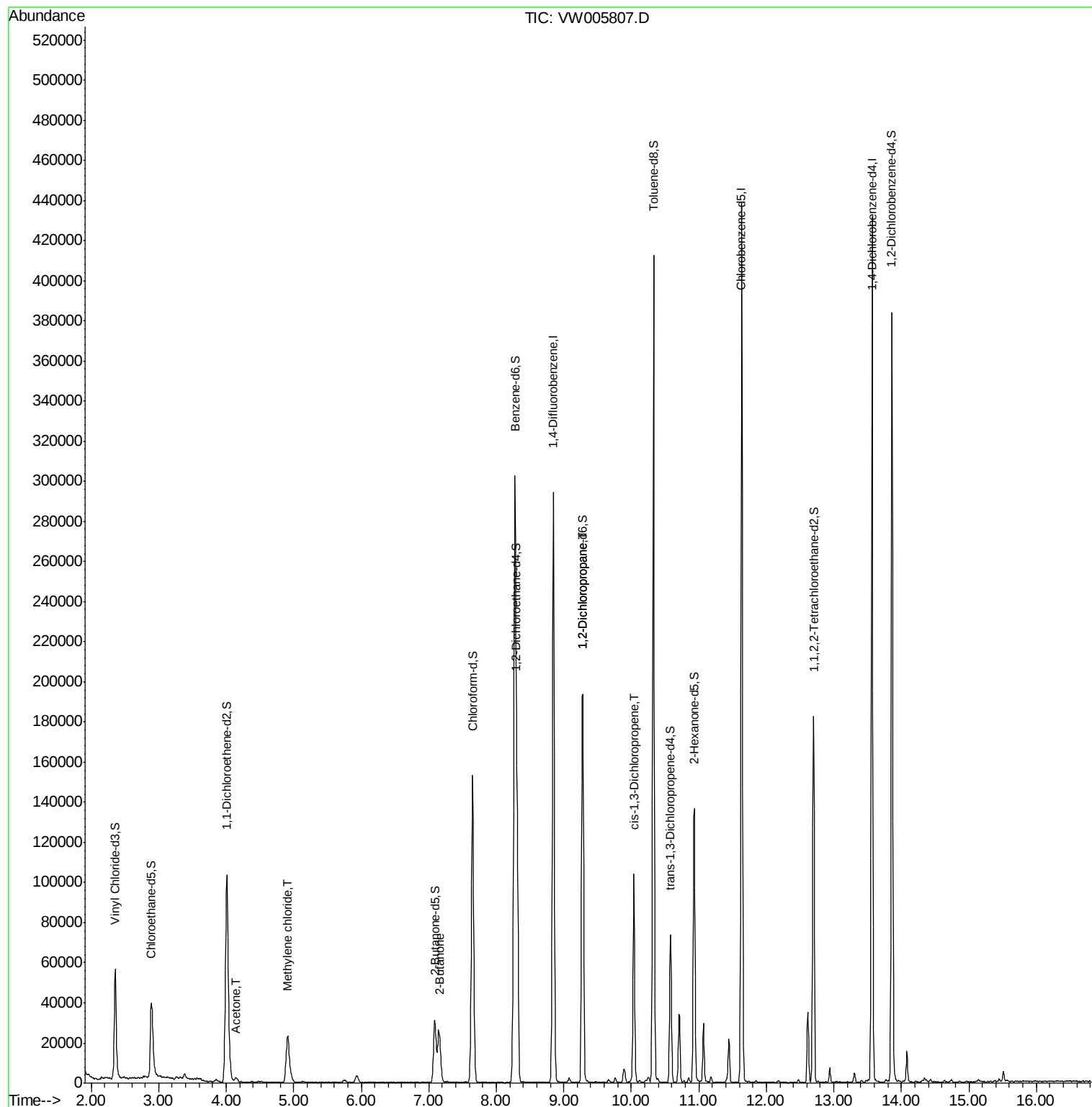
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.14  | 43 | 2330  | 2.241 ug/L   | 73     |
| 16) Methylene chloride      | 4.92  | 84 | 19496 | 4.848 ug/L   | 94     |
| 21) 2-Butanone              | 7.17  | 43 | 654   | 0.525 ug/L # | 49     |
| 40) 1,2-Dichloropropane     | 9.28  | 63 | 10901 | 3.303 ug/L # | 87     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 2762  | 0.507 ug/L # | 69     |

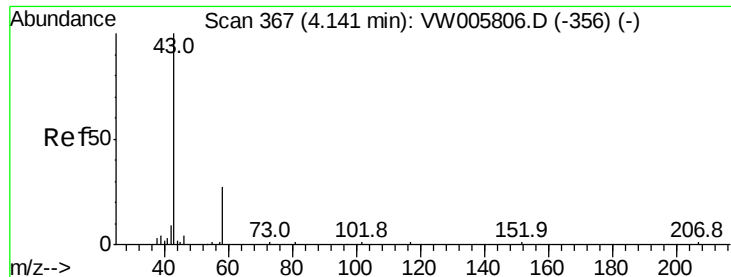
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VW1003SBL01  
Misc : 5.00G/105ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Oct 04 05:17:04 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM092818S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Oct 04 05:16:38 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 2.241 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW005807.D

Acq: 03 Oct 2018 11:51

Instrument :

MSVOA\_W

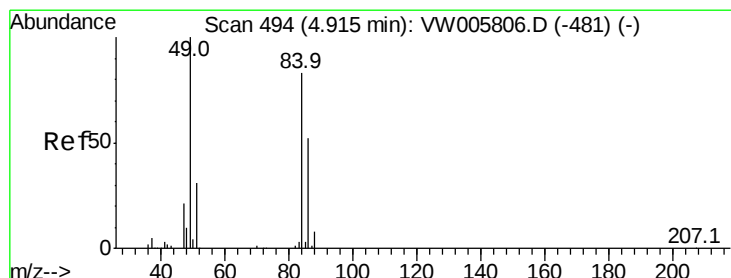
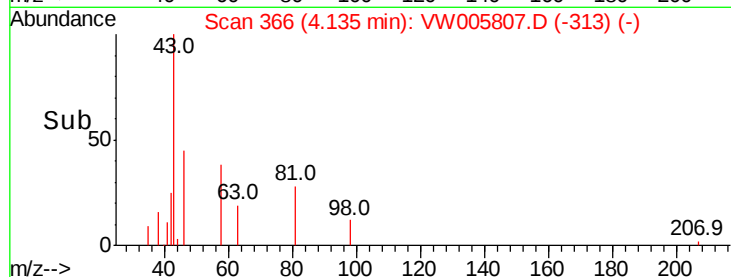
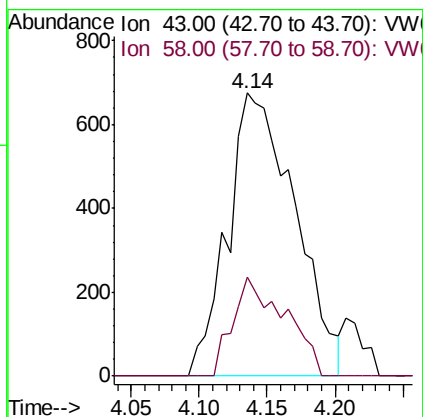
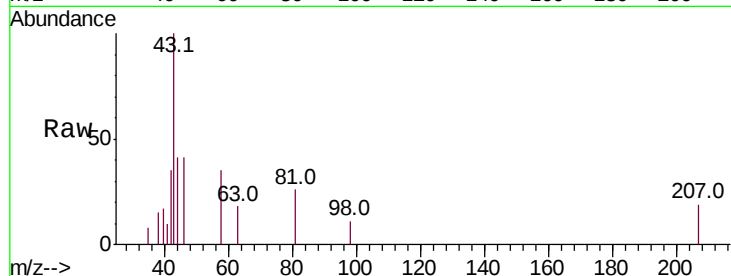
ClientSampled :

Tot Ion: 43 Resp: 2330

Ion Ratio Lower Upper

43 100

58 27.3 0.0 31.8



#16

Methylene chloride

Concen: 4.848 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW005807.D

Acq: 03 Oct 2018 11:51

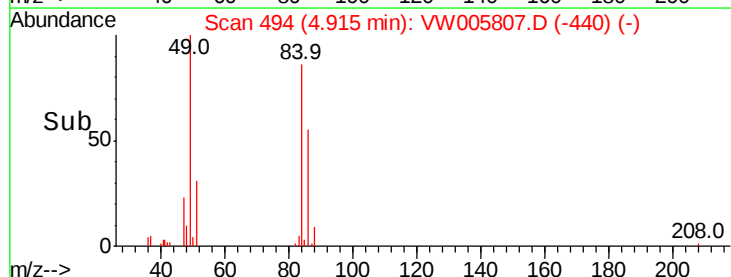
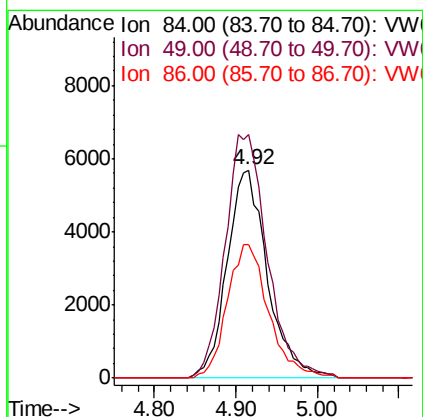
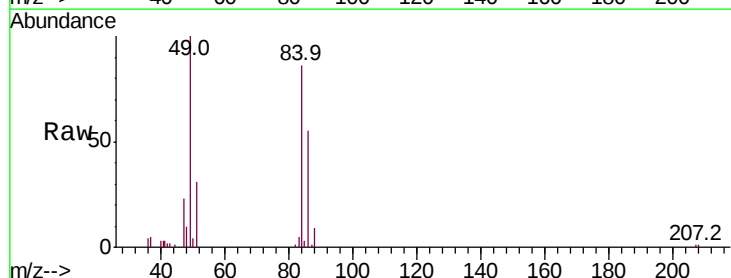
Tgt Ion: 84 Resp: 19496

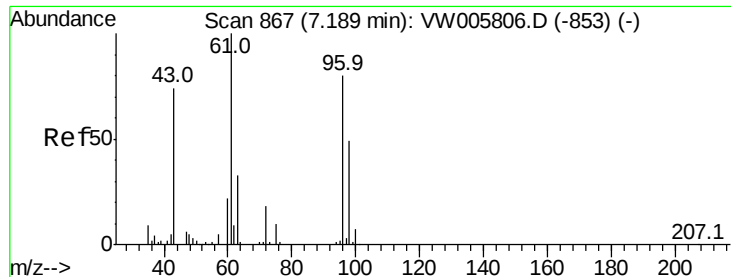
Ion Ratio Lower Upper

84 100

49 116.9 87.2 162.0

86 64.0 43.2 80.2

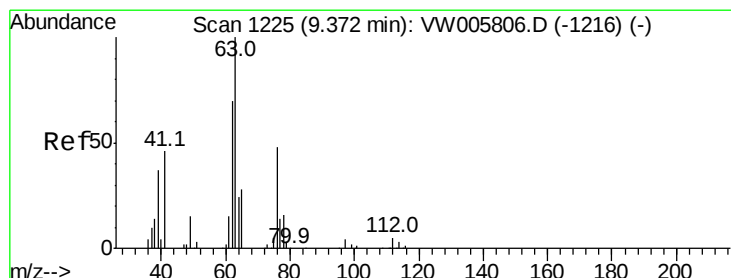
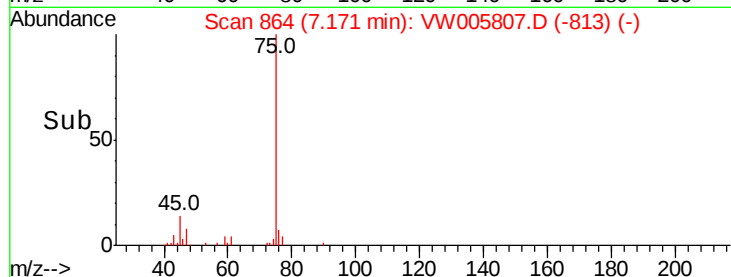
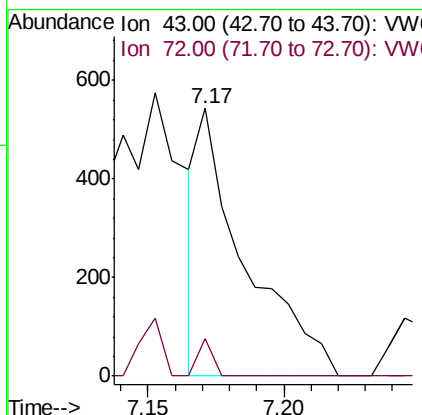
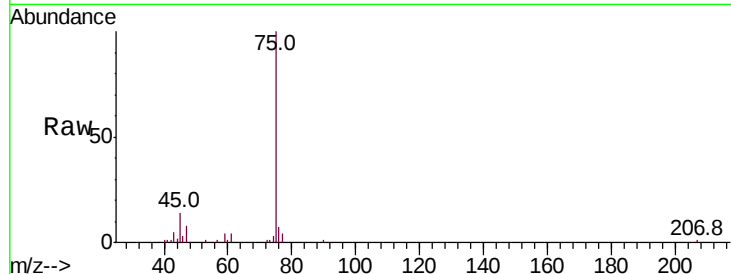




#21  
2-Butanone  
Concen: 0.525 ug/L  
RT: 7.17 min Scan# 864  
Delta R.T. -0.02 min  
Lab File: VW005807.D  
Acq: 03 Oct 2018 11:51

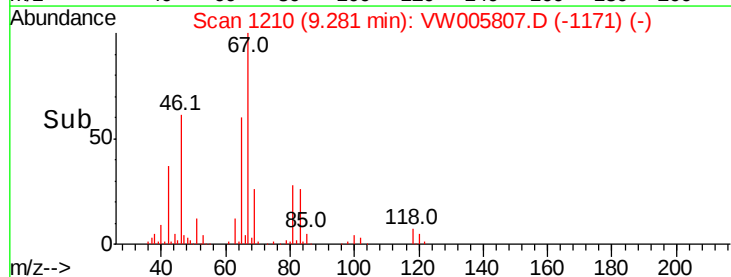
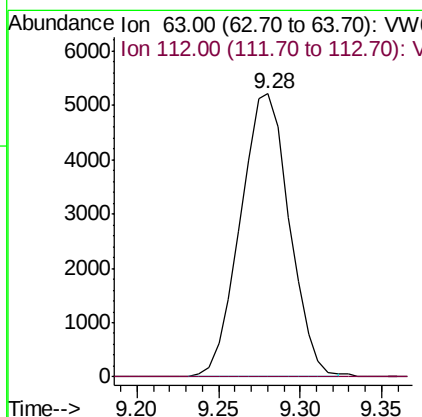
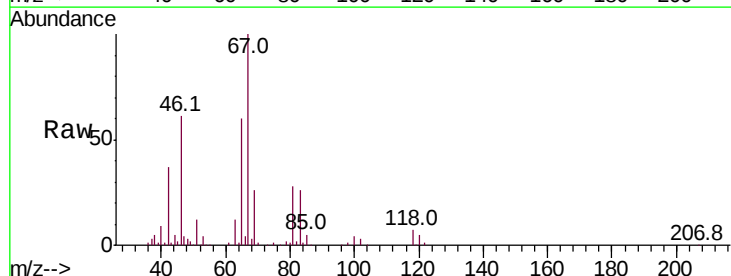
Instrument :  
MSVOA\_W  
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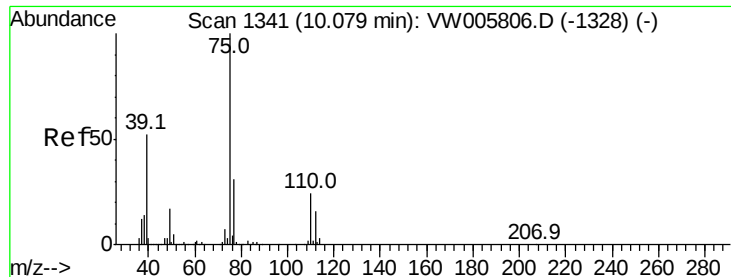
Tot Ion: 43 Resp: 654  
Ion Ratio Lower Upper  
43 100  
72 0.0 13.2 39.6#



#40  
1,2-Dichloropropane  
Concen: 3.303 ug/L  
RT: 9.28 min Scan# 1210  
Delta R.T. -0.09 min  
Lab File: VW005807.D  
Acq: 03 Oct 2018 11:51

Tgt Ion: 63 Resp: 10901  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.2#





#42

cis-1,3-Dichloropropene

Concen: 0.507 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW005807.D

Acq: 03 Oct 2018 11:51

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 75 Resp: 2762

Ion Ratio Lower Upper

75 100

77 49.2 22.3 41.3#

