

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW072918\  
 Data File : VW004295.D  
 Acq On : 28 Jul 2018 02:41  
 Operator : SY/AP  
 Sample : J4204-11  
 Misc : 5.32G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JJ1J8

Quant Time: Jul 28 04:01:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072618S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 28 02:53:40 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 35469    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 35278    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 14318    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 12561    | 35.18    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 140.72%  |
| 7) Chloroethane-d5             | 2.88   | 69    | 10752    | 41.40    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 165.60%# |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 22490    | 26.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 105.52%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 11230    | 55.55    | ug/L | 0.01     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 111.10%  |
| 24) Chloroform-d               | 7.65   | 84    | 31313    | 34.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 137.92%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 20184    | 36.95    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 147.80%# |
| 29) Benzene-d6                 | 8.28   | 84    | 55701    | 29.79    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 119.16%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 20352    | 32.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 130.92%# |
| 37) Toluene-d8                 | 10.33  | 98    | 44300    | 25.07    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 100.28%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 7098     | 25.15    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 100.60%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 6480     | 39.65    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 79.30%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 21133    | 33.28    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 133.12%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.87  | 152   | 16261    | 30.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 121.52%# |

## Target Compounds

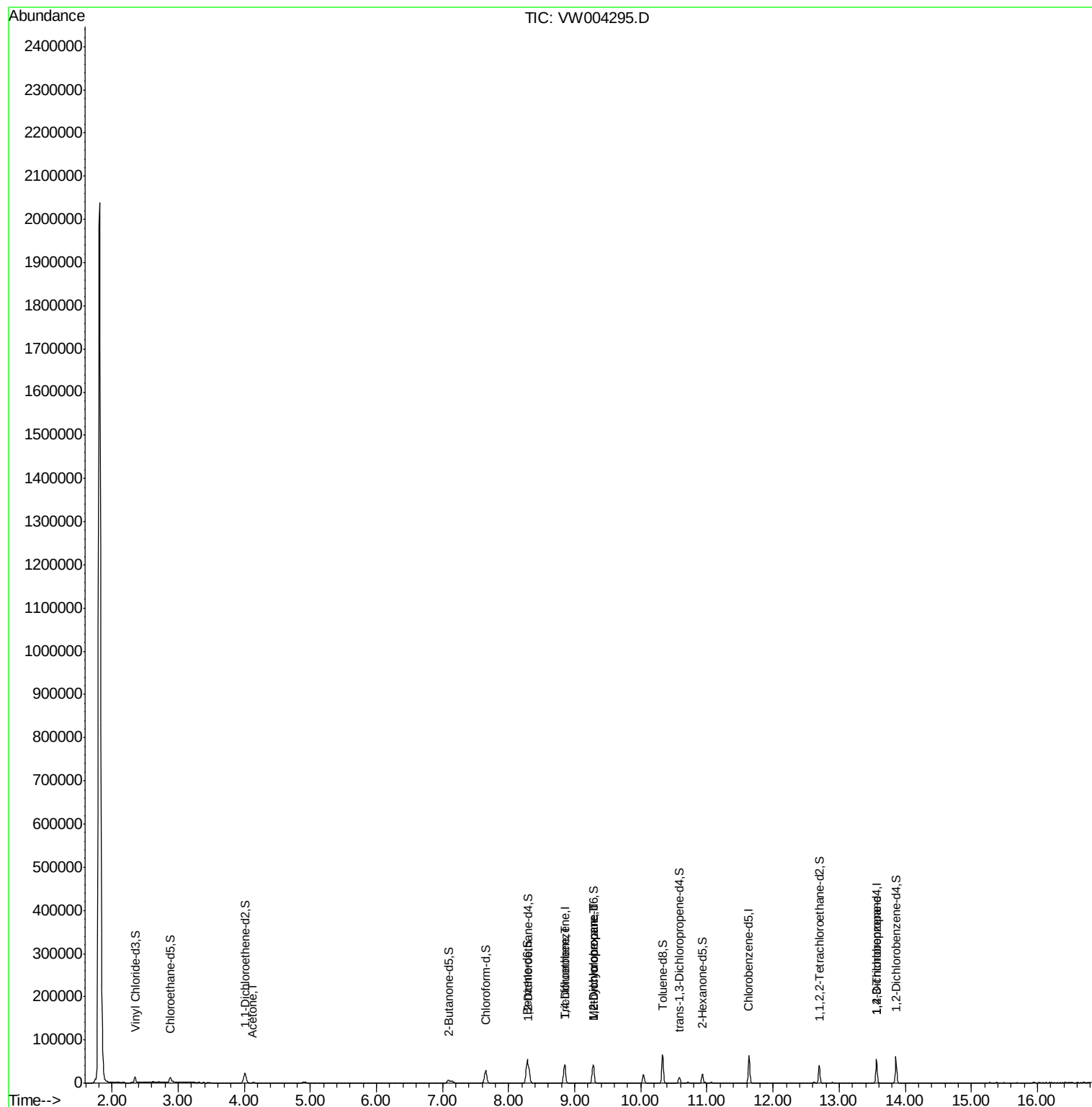
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 13) Acetone                | 4.12  | 43   | 632      | 3.096 | ug/L   | 78     |
| 35) Trichloroethene        | 8.85  | 95   | 1169     | 2.191 | ug/L # | 5      |
| 36) Methylcyclohexane      | 9.27  | 83   | 4877     | 5.470 | ug/L # | 17     |
| 40) 1,2-Dichloropropane    | 9.28  | 63   | 2110     | 3.832 | ug/L # | 88     |
| 59) 1,2,3-Trichloropropane | 13.56 | 75   | 1729     | 3.690 | ug/L # | 83     |

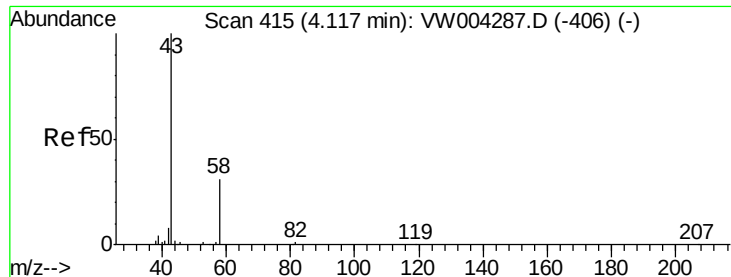
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

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Quant Title : VOC Analysis  
QLast Update : Sat Jul 28 02:53:40 2018  
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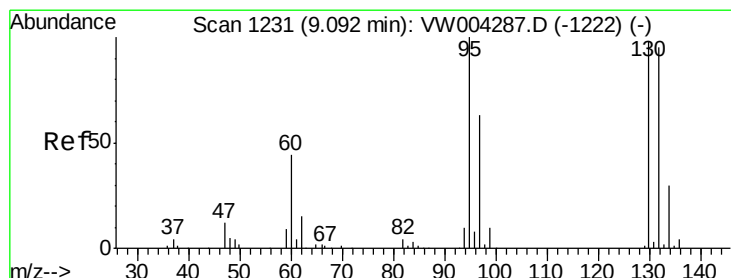
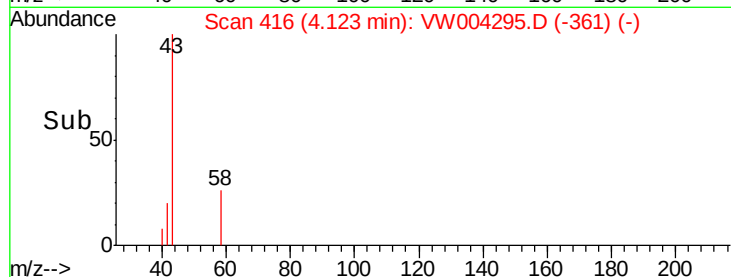
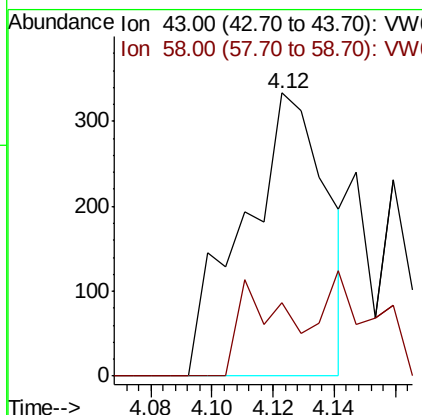
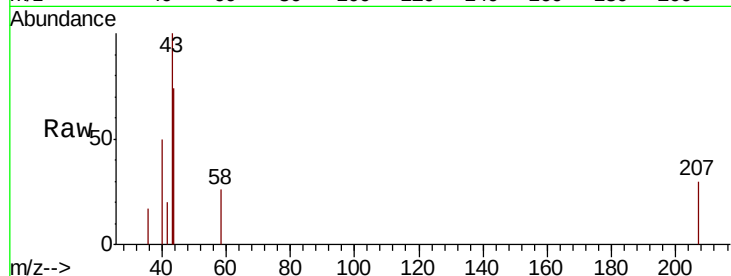




#13  
Acetone  
Concen: 3.096 ug/L  
RT: 4.12 min Scan# 416  
Delta R.T. 0.01 min  
Lab File: VW004295.D  
Acq: 28 Jul 2018 02:41

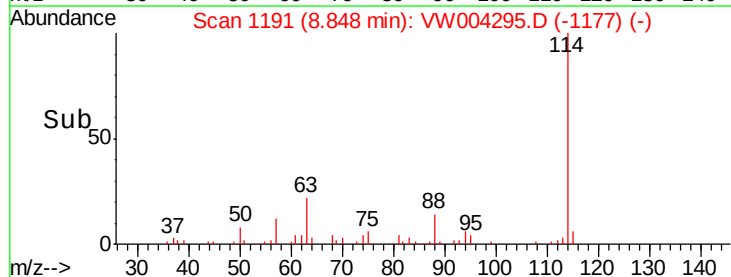
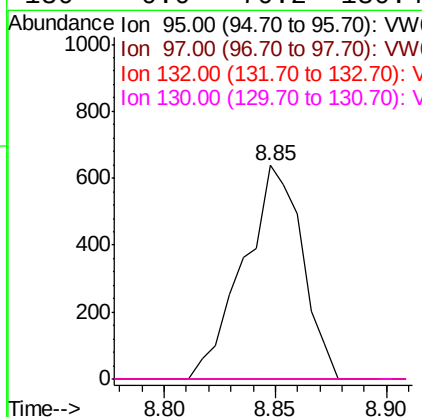
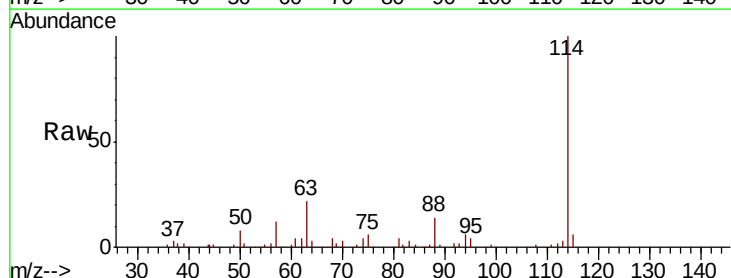
Instrument :  
MSVOA\_W  
ClientSampleId :  
JJ1J8

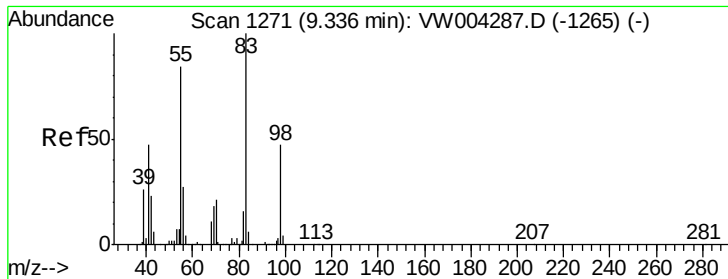
Tgt Ion: 43 Resp: 632  
Ion Ratio Lower Upper  
43 100  
58 18.0 0.0 59.8



#35  
Trichloroethene  
Concen: 2.191 ug/L  
RT: 8.85 min Scan# 1191  
Delta R.T. -0.24 min  
Lab File: VW004295.D  
Acq: 28 Jul 2018 02:41

Tgt Ion: 95 Resp: 1169  
Ion Ratio Lower Upper  
95 100  
97 0.0 44.9 83.5#  
132 0.0 67.4 125.2#  
130 0.0 70.2 130.4#

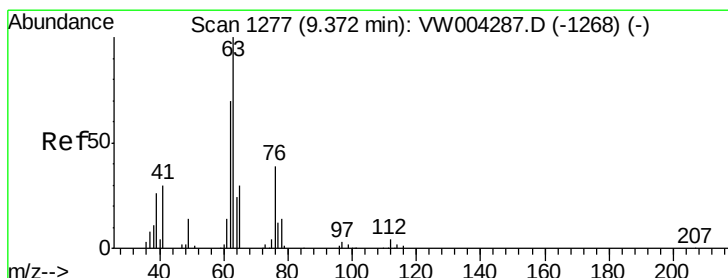
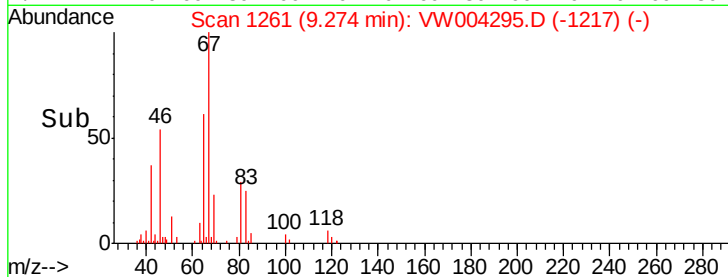
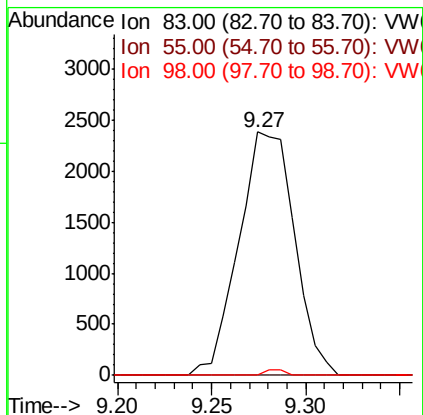
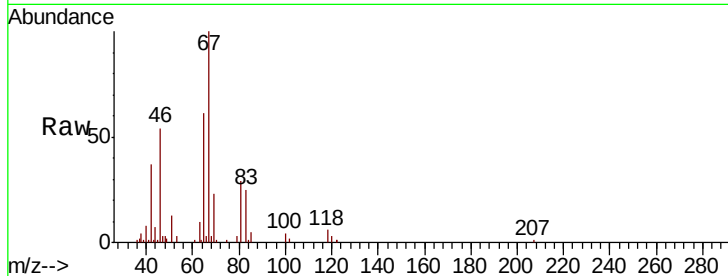




#36  
Methylcyclohexane  
Concen: 5.470 ug/L  
RT: 9.27 min Scan# 1261  
Delta R.T. -0.06 min  
Lab File: VW004295.D  
Acq: 28 Jul 2018 02:41

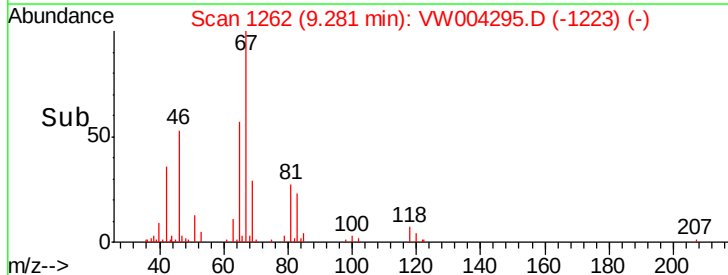
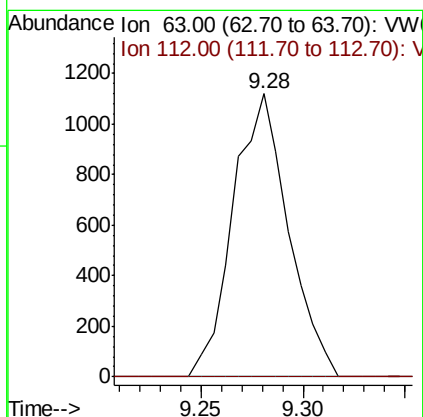
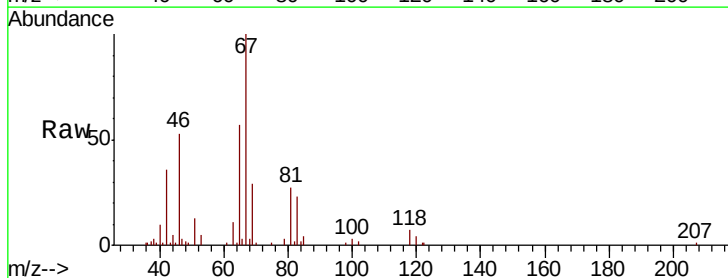
Instrument :  
MSVOA\_W  
ClientSampled :  
JJ1J8

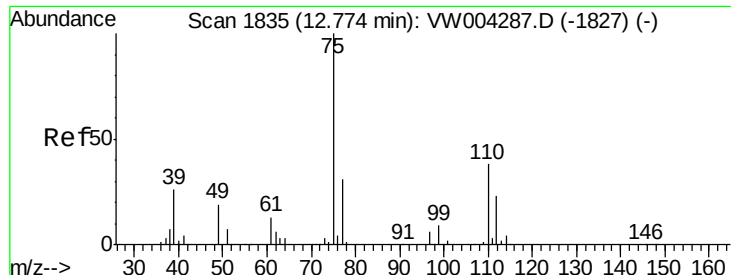
Tgt Ion: 83 Resp: 4877  
Ion Ratio Lower Upper  
83 100  
55 0.0 65.5 98.3#  
98 0.8 37.1 55.7#



#40  
1,2-Dichloropropane  
Concen: 3.832 ug/L  
RT: 9.28 min Scan# 1262  
Delta R.T. -0.09 min  
Lab File: VW004295.D  
Acq: 28 Jul 2018 02:41

Tgt Ion: 63 Resp: 2110  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#





#59

1,2,3-Trichloropropane

Concen: 3.690 ug/L

RT: 13.56 min Scan# 1964

Delta R.T. 0.79 min

Lab File: VW004295.D

Acq: 28 Jul 2018 02:41

Instrument :

MSVOA\_W

ClientSampleId :

JJ1J8

Tgt Ion: 75 Resp: 1729

Ion Ratio Lower Upper

75 100

77 40.7 25.2 37.8#

