

Data File : VW007439.D  
Acq On : 12 Dec 2018 13:43  
Operator : SY/AP  
Sample : J6271-16  
Misc : 6.20G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
F9E31RE

Quant Time: Dec 13 00:43:42 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120718S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Dec 13 00:38:14 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 48070    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 44632    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 21220    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 8616     | 27.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 110.08% |
| 7) Chloroethane-d5             | 2.89   | 69    | 6594     | 24.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.48%  |
| 10) 1,1-Dichloroethene-d2      | 4.00   | 63    | 21931    | 20.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 81.24%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 9524     | 48.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 96.52%  |
| 24) Chloroform-d               | 7.65   | 84    | 29980    | 26.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.76% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 19505    | 30.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 120.88% |
| 29) Benzene-d6                 | 8.27   | 84    | 59803    | 24.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.68%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 17918    | 25.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 103.60% |
| 37) Toluene-d8                 | 10.32  | 98    | 57008    | 25.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 100.32% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 9368     | 26.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 105.96% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 8213     | 49.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.64%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 17083    | 27.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 108.40% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 21019    | 28.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 112.64% |

#### Target Compounds

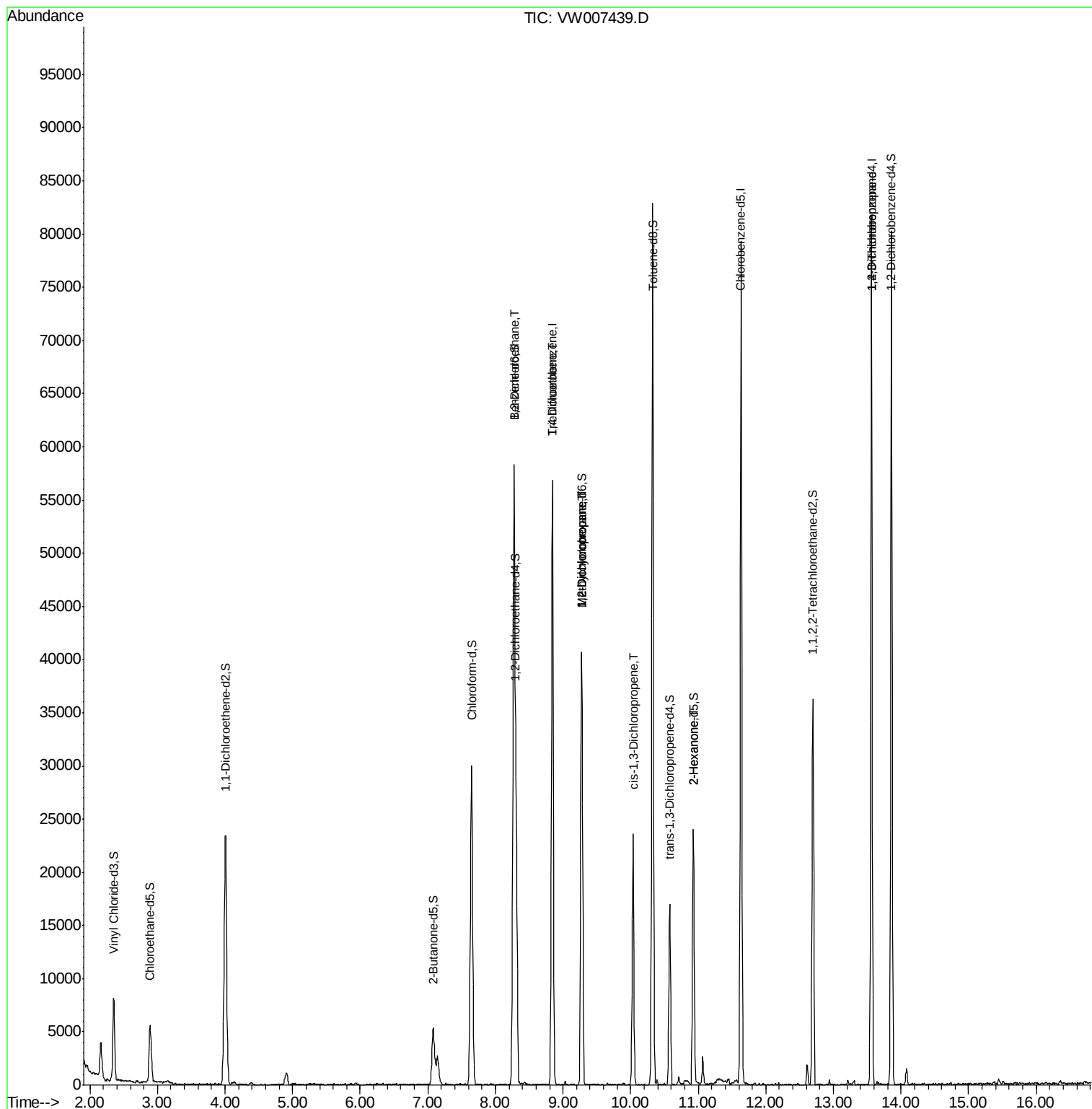
|                             |       |    |      |              | Qvalue |
|-----------------------------|-------|----|------|--------------|--------|
| 27) 1,2-Dichloroethane      | 8.28  | 62 | 345  | 0.432 ug/L # | 76     |
| 35) Trichloroethene         | 8.84  | 95 | 1674 | 2.282 ug/L # | 4      |
| 36) Methylcyclohexane       | 9.28  | 83 | 4807 | 3.796 ug/L # | 19     |
| 40) 1,2-Dichloropropane     | 9.27  | 63 | 2222 | 3.551 ug/L # | 86     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 677  | 0.644 ug/L   | 91     |
| 49) 2-Hexanone              | 10.93 | 43 | 1048 | 3.010 ug/L # | 55     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75 | 2167 | 4.286 ug/L # | 84     |

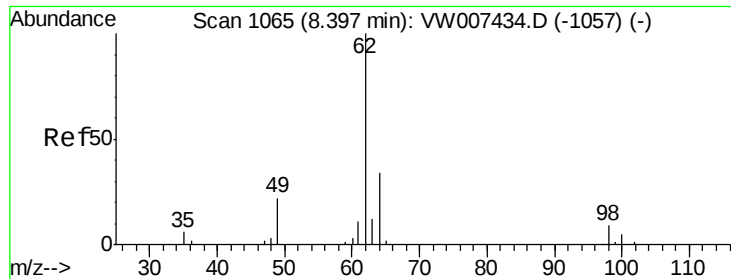
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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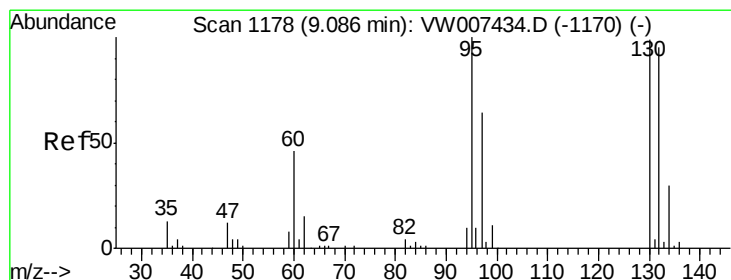
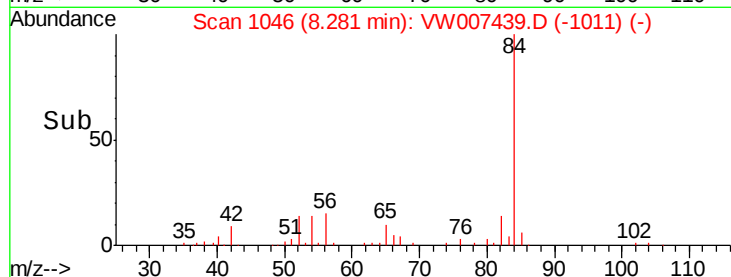
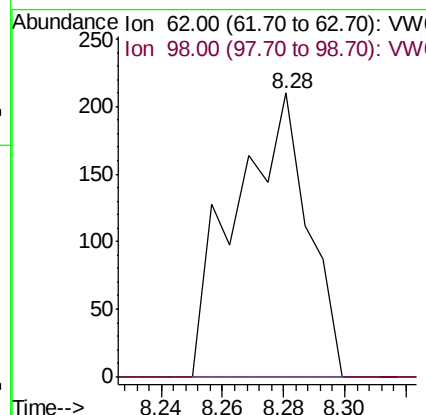
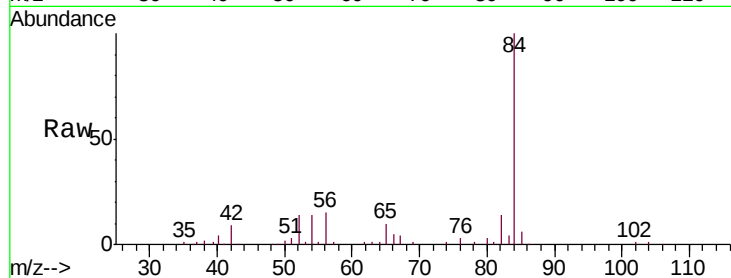




#27  
 1,2-Dichloroethane  
 Concen: 0.432 ug/L  
 RT: 8.28 min Scan# 1046  
 Delta R.T. -0.12 min  
 Lab File: VW007439.D  
 Acq: 12 Dec 2018 13:43

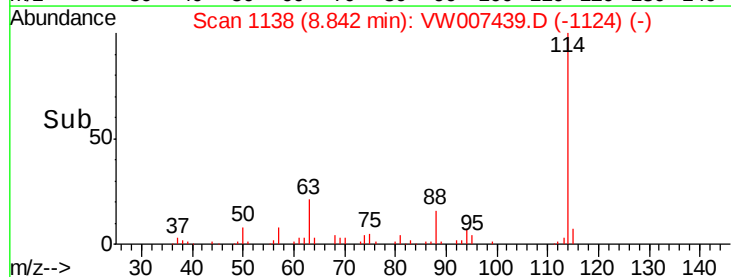
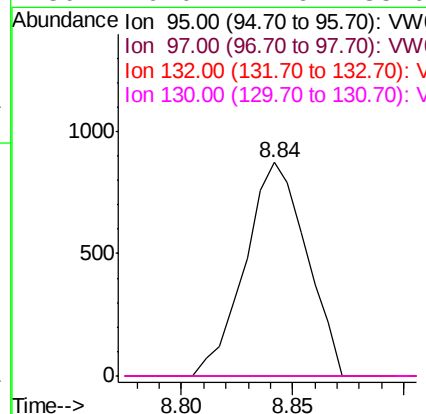
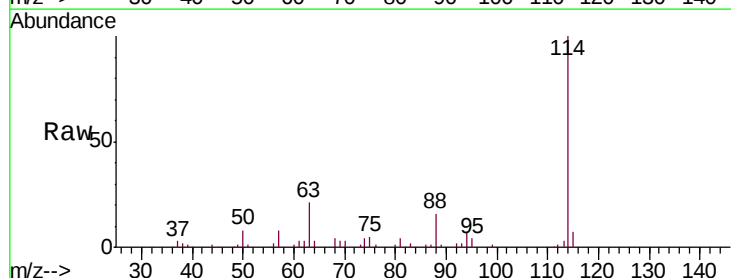
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 F9E31RE

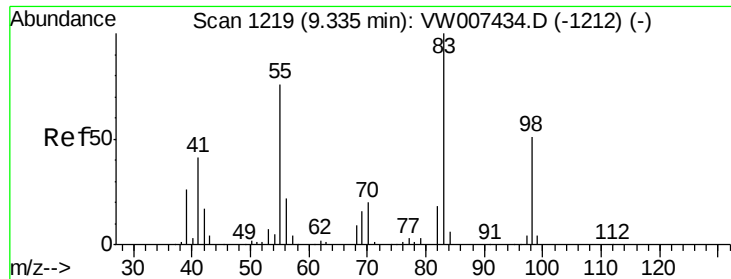
Tgt Ion: 62 Resp: 345  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 6.9 10.3#



#35  
 Trichloroethene  
 Concen: 2.282 ug/L  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.24 min  
 Lab File: VW007439.D  
 Acq: 12 Dec 2018 13:43

Tgt Ion: 95 Resp: 1674  
 Ion Ratio Lower Upper  
 95 100  
 97 0.0 45.8 85.0#  
 132 0.0 68.0 126.4#  
 130 0.0 71.6 133.0#

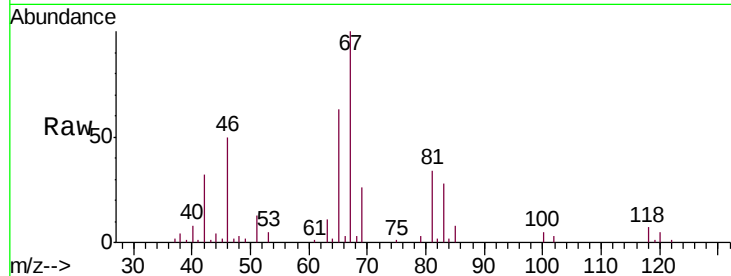




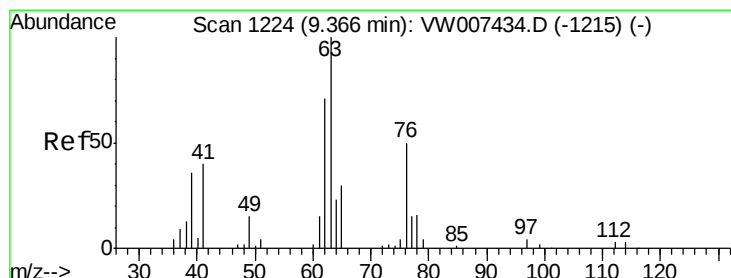
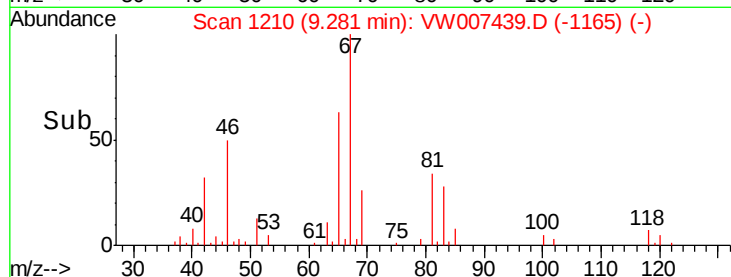
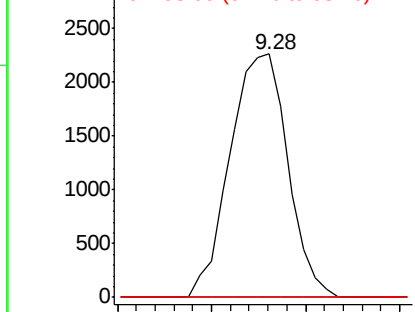
#36  
Methylcyclohexane  
Concen: 3.796 ug/L  
RT: 9.28 min Scan# 1210  
Delta R.T. -0.05 min  
Lab File: VW007439.D  
Acq: 12 Dec 2018 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
F9E31RE

Tgt Ion: 83 Resp: 4807  
Ion Ratio Lower Upper  
83 100  
55 0.0 59.4 89.2#  
98 0.0 38.1 57.1#

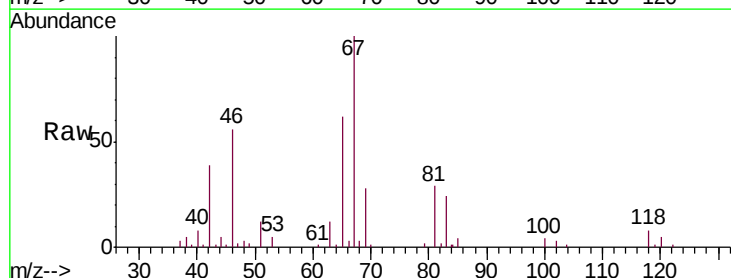


Abundance Ion 83.00 (82.70 to 83.70): VW  
Ion 55.00 (54.70 to 55.70): VW  
Ion 98.00 (97.70 to 98.70): VW

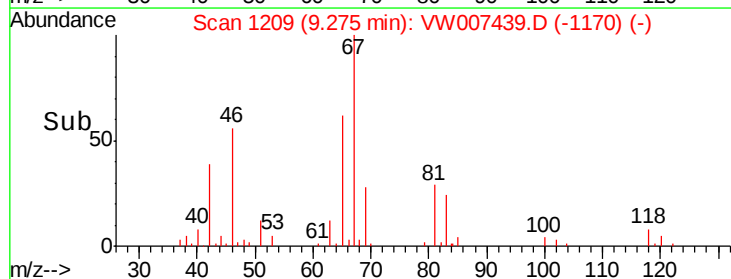
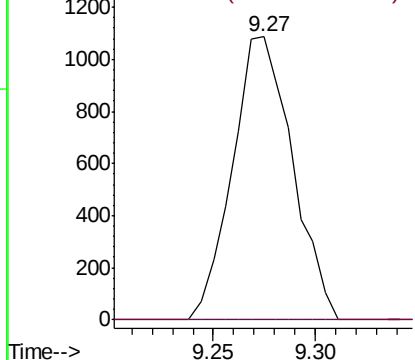


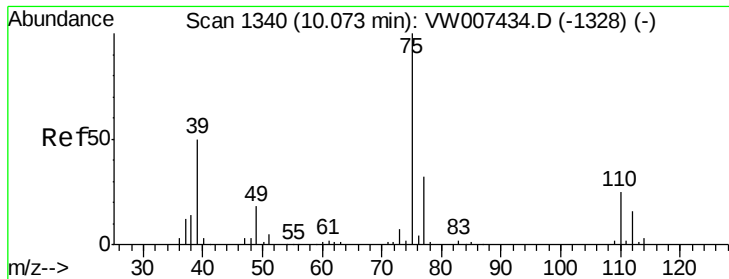
#40  
1,2-Dichloropropane  
Concen: 3.551 ug/L  
RT: 9.27 min Scan# 1209  
Delta R.T. -0.09 min  
Lab File: VW007439.D  
Acq: 12 Dec 2018 13:43

Tgt Ion: 63 Resp: 2222  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VW  
Ion 112.00 (111.70 to 112.70): V

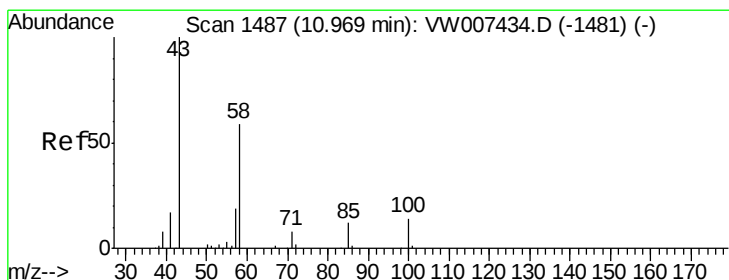
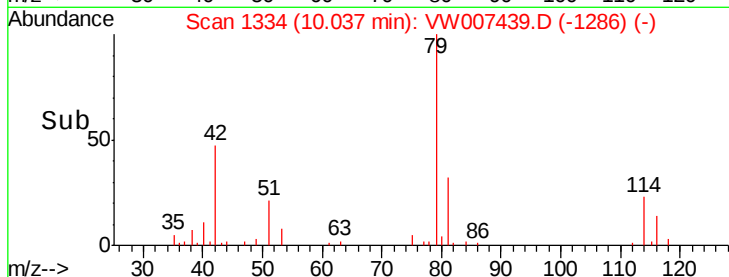
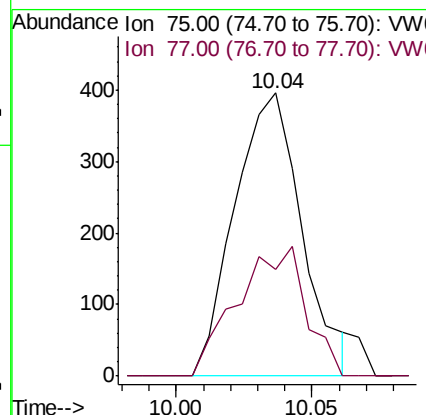
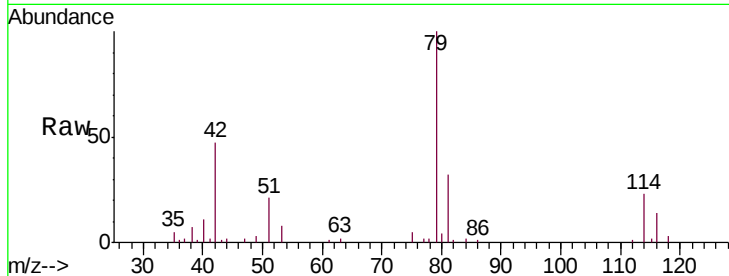




#42  
 cis-1,3-Dichloropropene  
 Concen: 0.644 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW007439.D  
 Acq: 12 Dec 2018 13:43

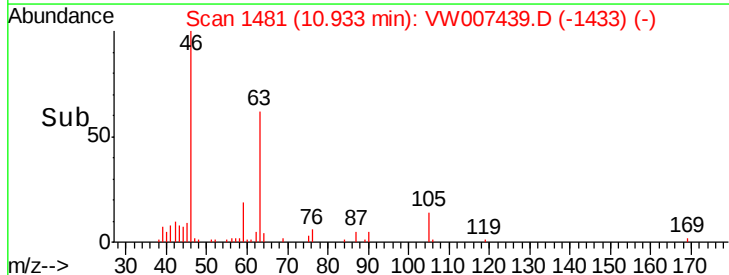
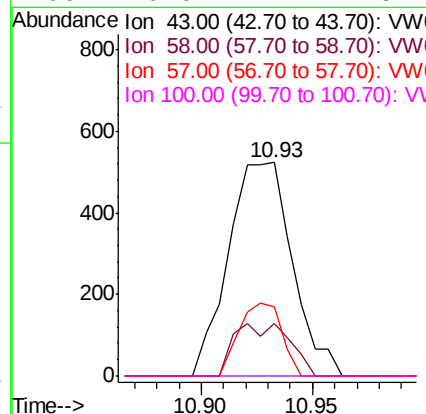
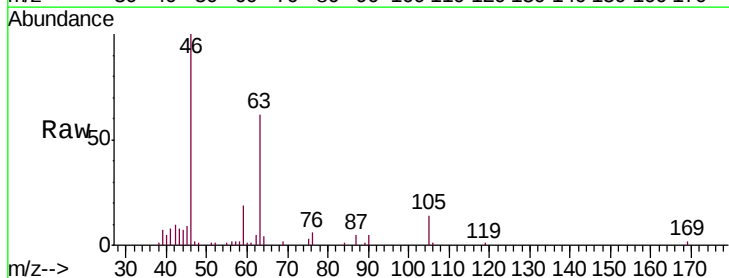
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 MSVOA\_W  
 ClientSampled :  
 F9E31RE

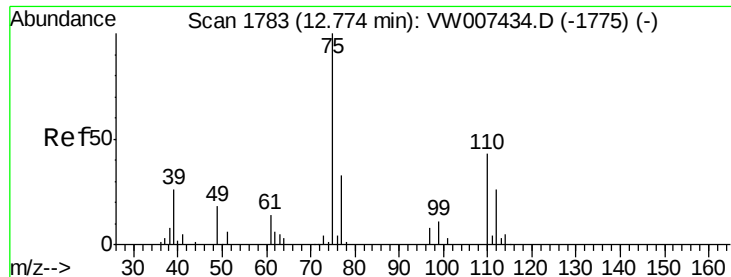
Tgt Ion: 75 Resp: 677  
 Ion Ratio Lower Upper  
 75 100  
 77 37.9 23.0 42.6



#49  
 2-Hexanone  
 Concen: 3.010 ug/L  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.04 min  
 Lab File: VW007439.D  
 Acq: 12 Dec 2018 13:43

Tgt Ion: 43 Resp: 1048  
 Ion Ratio Lower Upper  
 43 100  
 58 11.5 47.2 70.8#  
 57 22.8 17.6 26.4  
 100 0.0 12.2 18.2#





#59

1,2,3-Trichloropropane

Concen: 4.286 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW007439.D

Acq: 12 Dec 2018 13:43

Instrument :

MSVOA\_W

ClientSampleId :

F9E31RE

Tgt Ion: 75 Resp: 2167

Ion Ratio Lower Upper

75 100

77 41.9 26.5 39.7#

