

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060320\  
 Data File : VW015531.D  
 Acq On : 03 Jun 2020 11:46  
 Operator : SY/VA  
 Sample : L2848-02  
 Misc : 4.42G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jun 04 06:37:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 04 06:35:52 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 455392   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 400180   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 179756   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 51184    | 12.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 49.04%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 56737    | 13.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 54.68%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 91149    | 8.96     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 35.84%# |
| 20) 2-Butanone-d5              | 7.09   | 46    | 38677    | 28.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 56.78%  |
| 24) Chloroform-d               | 7.65   | 84    | 151046   | 14.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 57.36%  |
| 26) 1,2-Dichloroethane-d4      | 8.41   | 65    | 70       | 0.01     | ug/L | 0.11    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.04%#  |
| 29) Benzene-d6                 | 8.28   | 84    | 292725   | 14.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 59.68%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 93212    | 15.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 62.52%# |
| 37) Toluene-d8                 | 10.33  | 98    | 274871   | 14.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 57.64%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 37263    | 13.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 54.04%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 29815    | 28.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 57.76%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 65070    | 14.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 57.96%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 91815    | 15.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 60.96%# |

## Target Compounds

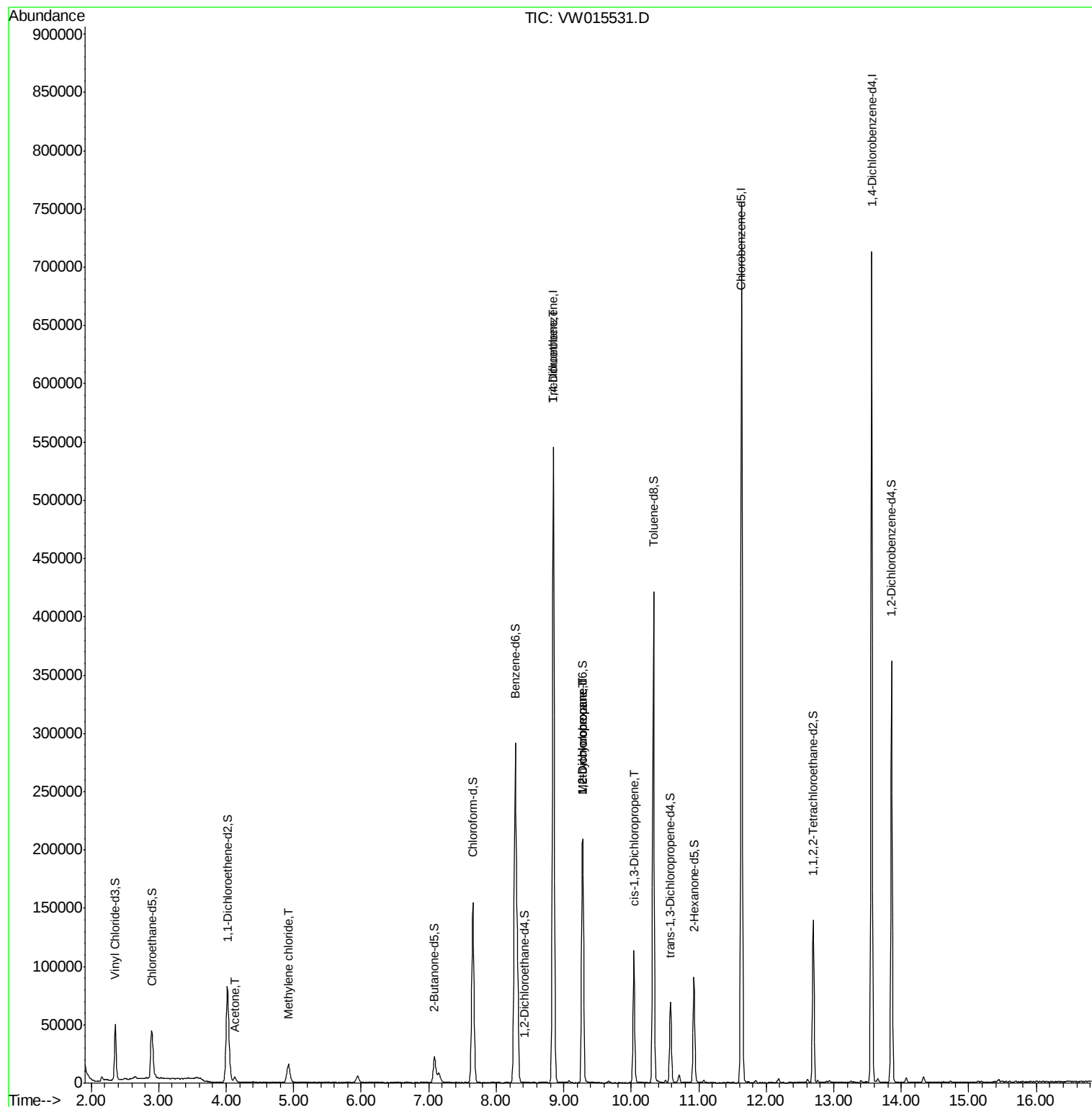
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.13  | 43 | 7570  | 7.187 ug/L   | 97     |
| 16) Methylene chloride      | 4.92  | 84 | 12503 | 2.237 ug/L   | 97     |
| 35) Trichloroethene         | 8.85  | 95 | 14025 | 2.333 ug/L # | 5      |
| 36) Methylcyclohexane       | 9.28  | 83 | 23069 | 2.152 ug/L # | 19     |
| 40) 1,2-Dichloropropane     | 9.27  | 63 | 11435 | 2.075 ug/L # | 85     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 3112  | 0.353 ug/L # | 66     |

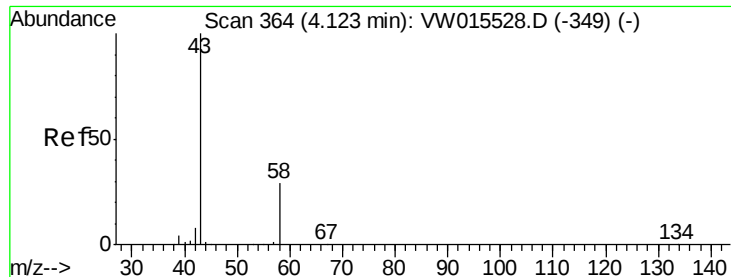
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L2848-02  
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ALS Vial : 1 Sample Multiplier: 1

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MSVOA\_W  
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Quant Time: Jun 04 06:37:40 2020  
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Quant Title : VOC Analysis  
QLast Update : Thu Jun 04 06:35:52 2020  
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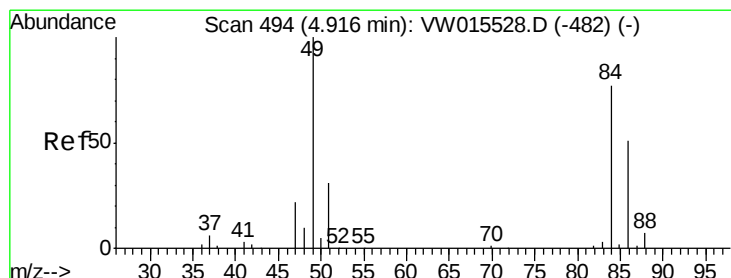
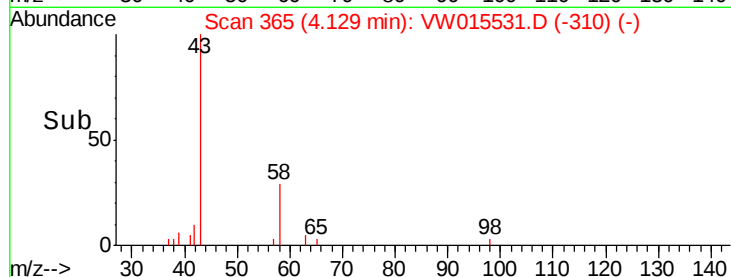
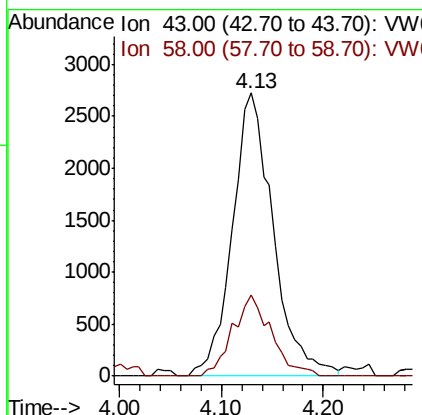
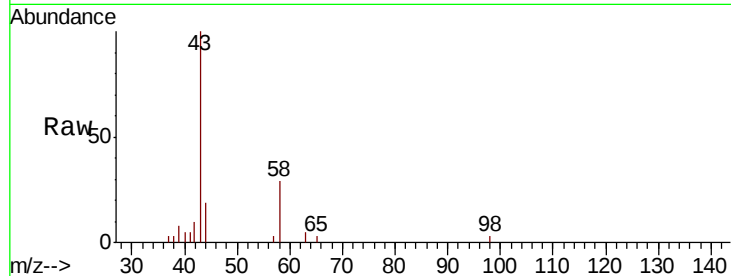




#13  
Acetone  
Concen: 7.187 ug/L  
RT: 4.13 min Scan# 365  
Delta R.T. 0.01 min  
Lab File: VW015531.D  
Acq: 03 Jun 2020 11:46

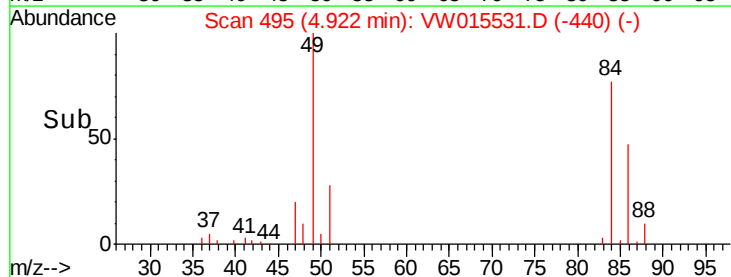
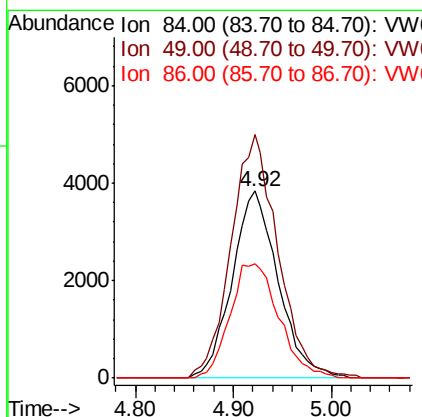
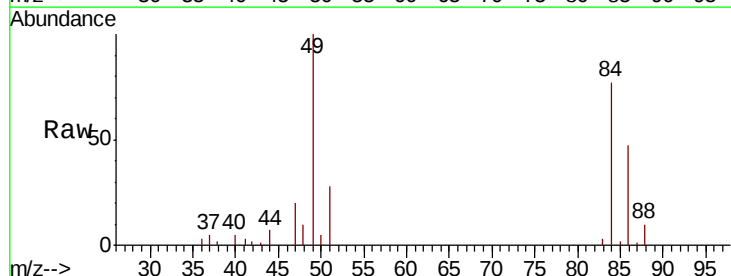
Instrument :  
MSVOA\_W  
ClientSampled :

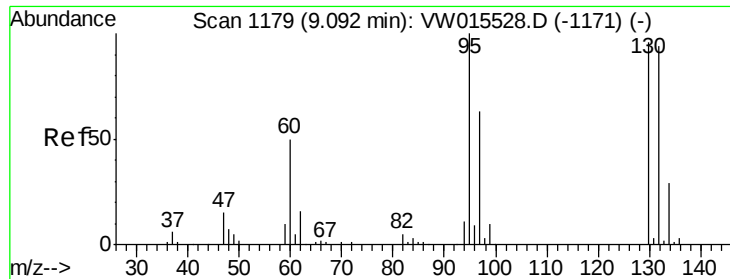
Tot Ion: 43 Resp: 7570  
Ion Ratio Lower Upper  
43 100  
58 27.1 0.0 56.8



#16  
Methylene chloride  
Concen: 2.237 ug/L  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW015531.D  
Acq: 03 Jun 2020 11:46

Tgt Ion: 84 Resp: 12503  
Ion Ratio Lower Upper  
84 100  
49 130.1 93.0 172.8  
86 61.1 44.7 83.1





#35

Trichloroethene

Concen: 2.333 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW015531.D

Acq: 03 Jun 2020 11:46

Instrument :

MSVOA\_W

ClientSampled :

Tot Ion: 95 Resp: 14025

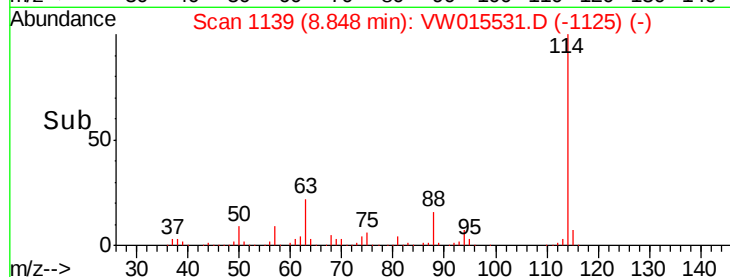
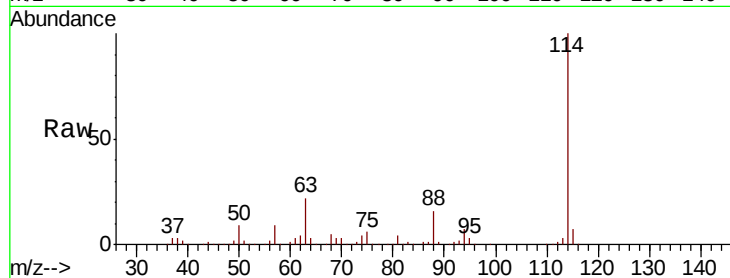
Ion Ratio Lower Upper

95 100

97 0.0 45.4 84.2#

132 0.0 67.1 124.7#

130 0.0 69.4 128.8#

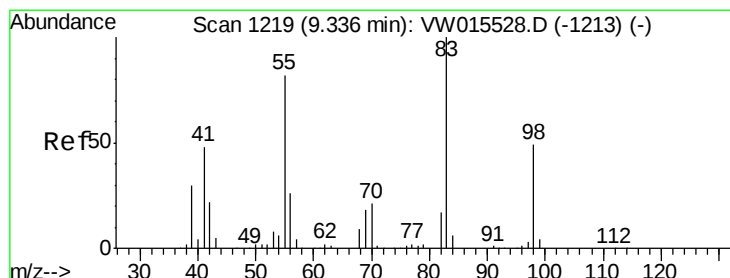
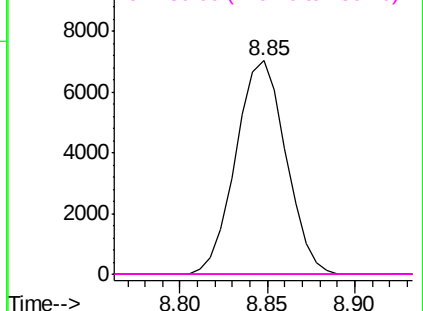


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 2.152 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.06 min

Lab File: VW015531.D

Acq: 03 Jun 2020 11:46

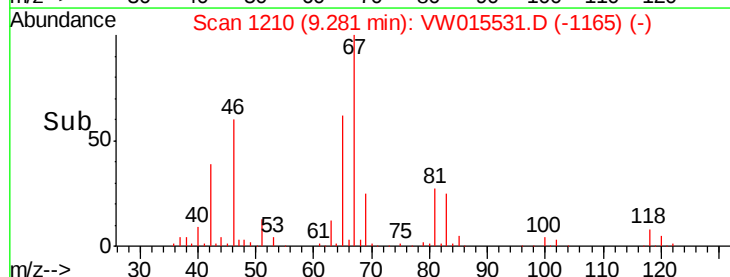
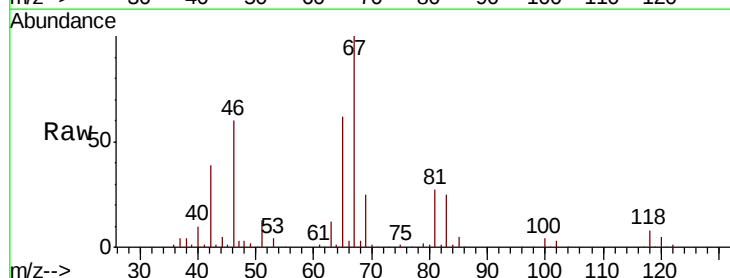
Tgt Ion: 83 Resp: 23069

Ion Ratio Lower Upper

83 100

55 0.8 62.8 94.2#

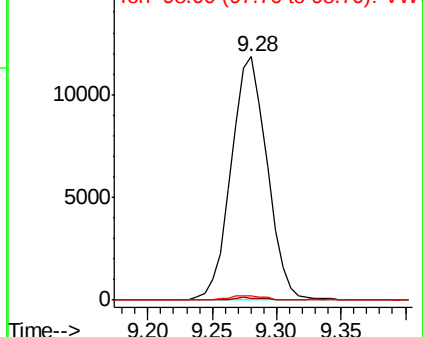
98 1.6 39.2 58.8#

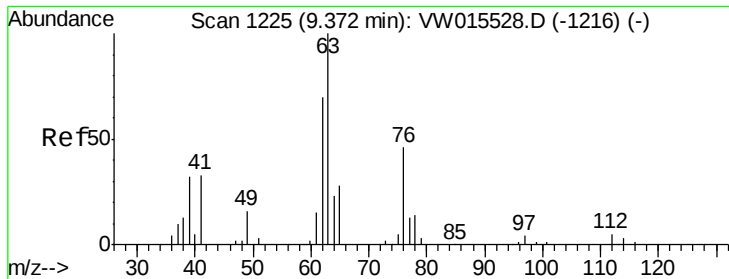


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

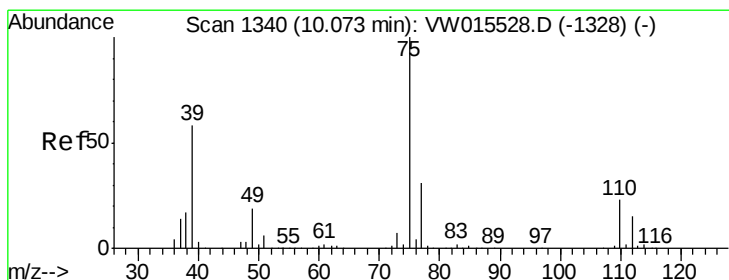
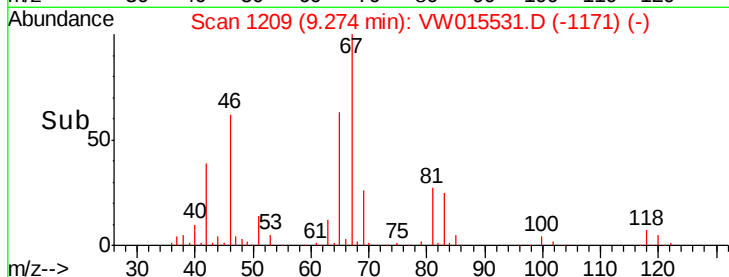
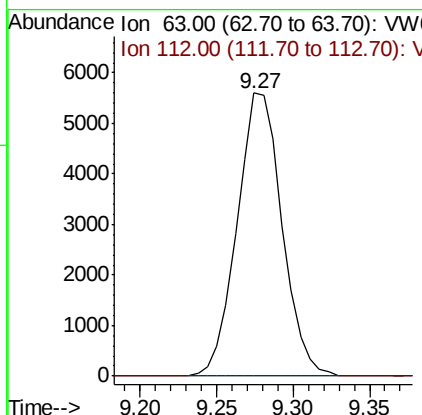
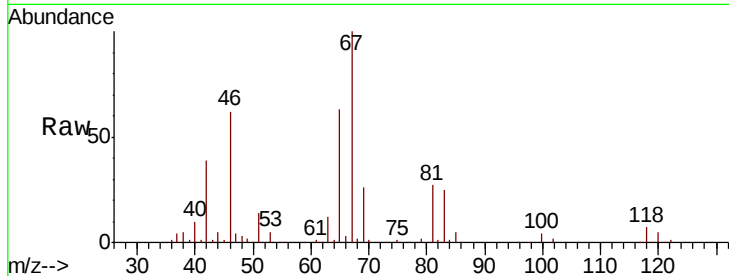




#40  
 1,2-Dichloropropane  
 Concen: 2.075 ug/L  
 RT: 9.27 min Scan# 1209  
 Delta R.T. -0.10 min  
 Lab File: VW015531.D  
 Acq: 03 Jun 2020 11:46

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Tot Ion: 63 Resp: 11435  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.8 5.8#



#42  
 cis-1,3-Dichloropropene  
 Concen: 0.353 ug/L  
 RT: 10.04 min Scan# 1335  
 Delta R.T. -0.03 min  
 Lab File: VW015531.D  
 Acq: 03 Jun 2020 11:46

Tgt Ion: 75 Resp: 3112  
 Ion Ratio Lower Upper  
 75 100  
 77 50.9 22.3 41.5#

