

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061120\  
 Data File : VW015581.D  
 Acq On : 11 Jun 2020 11:56  
 Operator : SY/VA  
 Sample : L2959-05  
 Misc : 5.15G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG2J9

Quant Time: Jun 12 05:04:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 12 05:02:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 182767   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 165836   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 73253    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 11182    | 6.68     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 26.72%# |
| 7) Chloroethane-d5             | 2.90   | 69    | 10754    | 6.46     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 25.84%# |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 16839    | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 16.52%# |
| 20) 2-Butanone-d5              | 7.08   | 46    | 33605    | 61.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 122.90% |
| 24) Chloroform-d               | 7.65   | 84    | 24945    | 5.90     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 23.60%# |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 14447    | 6.14     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 24.56%# |
| 29) Benzene-d6                 | 8.28   | 84    | 45974    | 5.65     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 22.60%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 14100    | 5.70     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 22.80%# |
| 37) Toluene-d8                 | 10.32  | 98    | 39323    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 19.88%# |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 5033     | 4.40     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 17.60%# |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 25390    | 59.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 118.68% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 10817    | 5.81     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 23.24%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 13823    | 5.63     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 22.52%# |

## Target Compounds

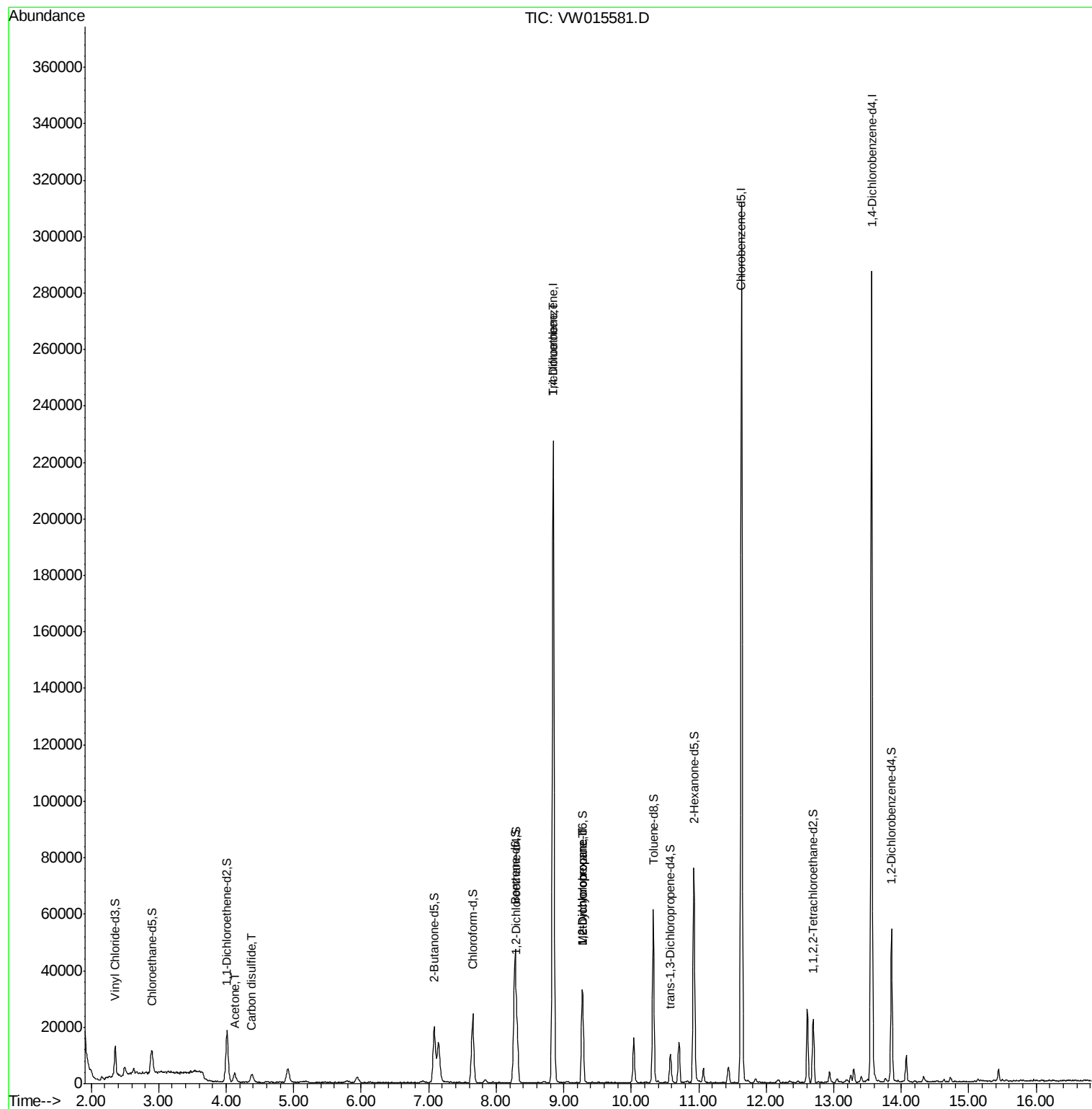
|                         |      |    |      |        | Ovalue    |
|-------------------------|------|----|------|--------|-----------|
| 13) Acetone             | 4.12 | 43 | 5774 | 13.659 | ug/L 99   |
| 14) Carbon disulfide    | 4.37 | 76 | 2006 | 0.276  | ug/L # 95 |
| 35) Trichloroethene     | 8.84 | 95 | 5827 | 2.339  | ug/L # 5  |
| 36) Methylcyclohexane   | 9.27 | 83 | 3480 | 0.783  | ug/L # 17 |
| 40) 1,2-Dichloropropane | 9.27 | 63 | 1841 | 0.806  | ug/L # 85 |

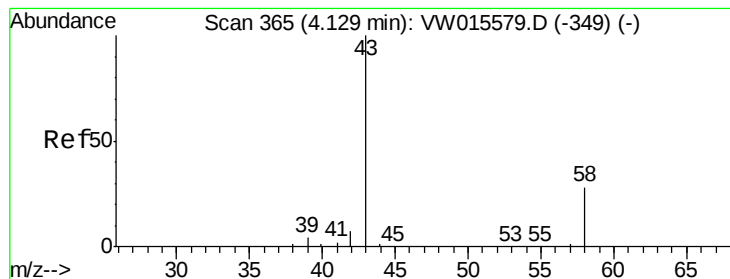
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L2959-05  
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Quant Title : VOC Analysis  
QLast Update : Fri Jun 12 05:02:36 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 13.659 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015581.D

Acq: 11 Jun 2020 11:56

Instrument :

MSVOA\_W

ClientSampled :

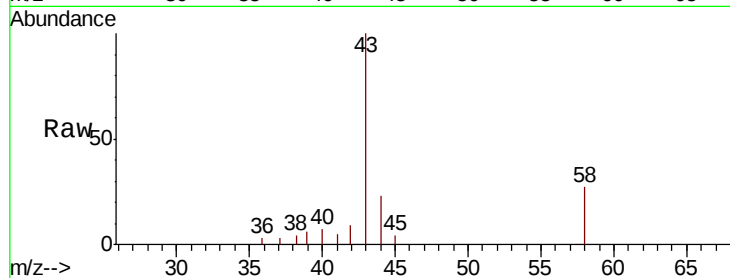
BG2J9

Tot Ion: 43 Resp: 5774

Ion Ratio Lower Upper

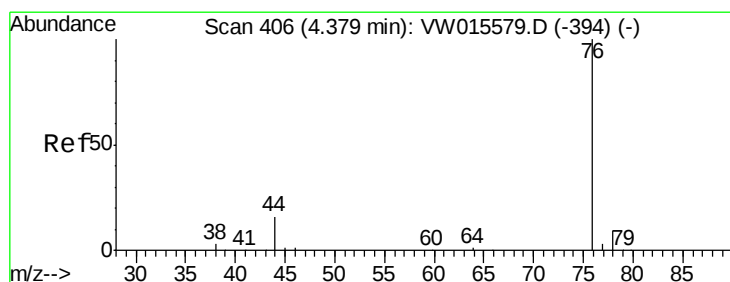
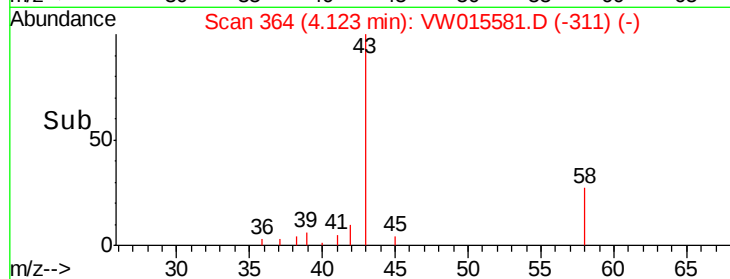
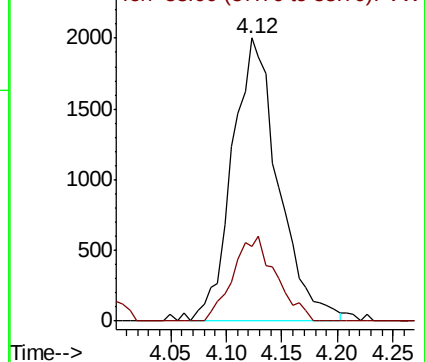
43 100

58 27.8 0.0 56.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.276 ug/L

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW015581.D

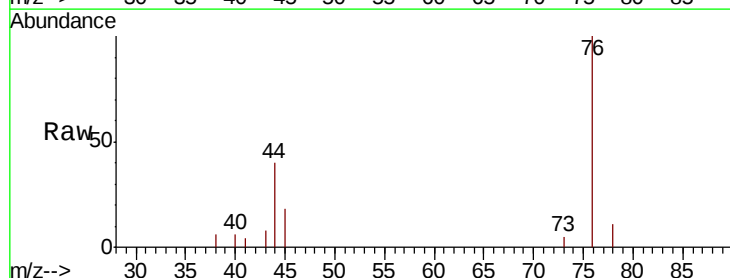
Acq: 11 Jun 2020 11:56

Tgt Ion: 76 Resp: 2006

Ion Ratio Lower Upper

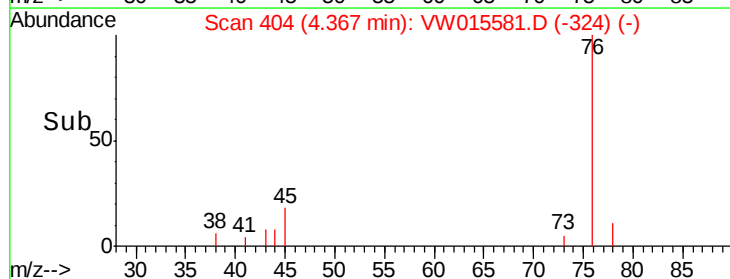
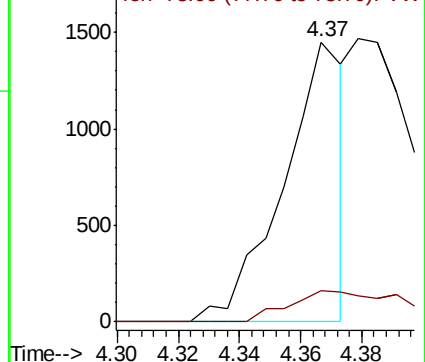
76 100

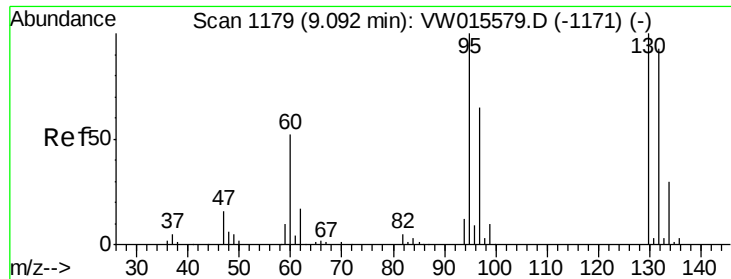
78 11.0 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.339 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW015581.D

Acq: 11 Jun 2020 11:56

Instrument :

MSVOA\_W

ClientSampleId :

BG2J9

Tot Ion: 95 Resp: 5827

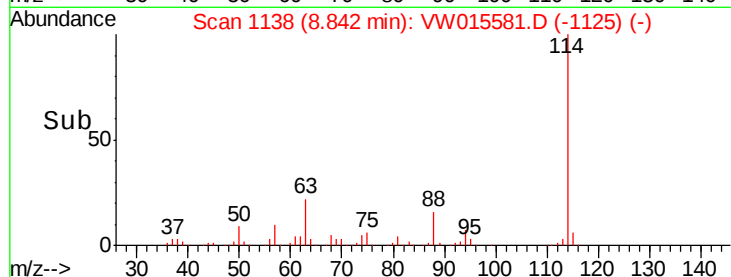
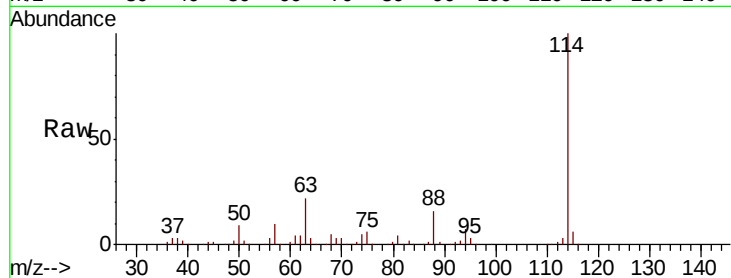
Ion Ratio Lower Upper

95 100

97 0.0 45.4 84.2#

132 0.0 67.1 124.7#

130 0.0 69.4 128.8#

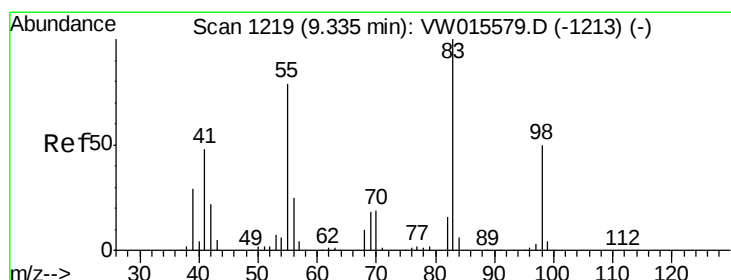
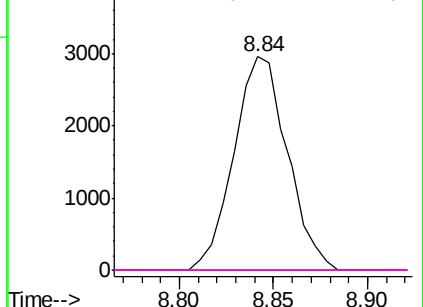


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 0.783 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW015581.D

Acq: 11 Jun 2020 11:56

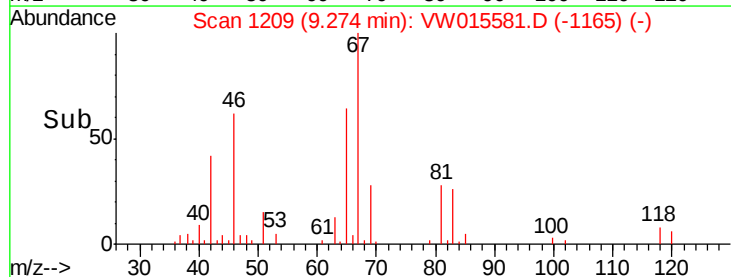
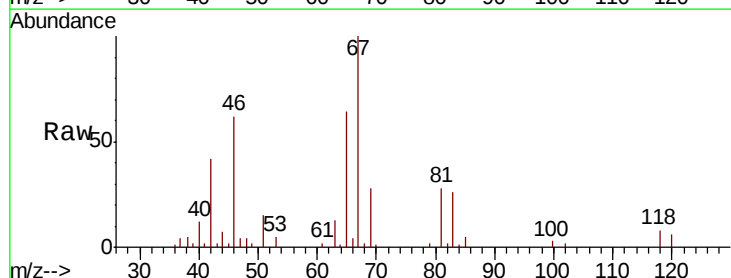
Tgt Ion: 83 Resp: 3480

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

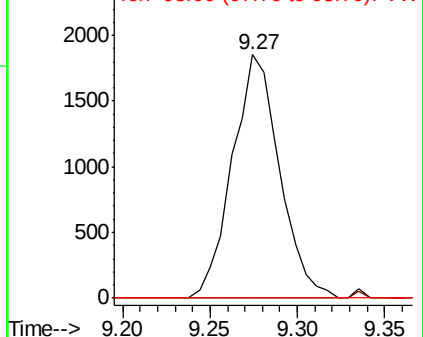
98 0.0 39.2 58.8#

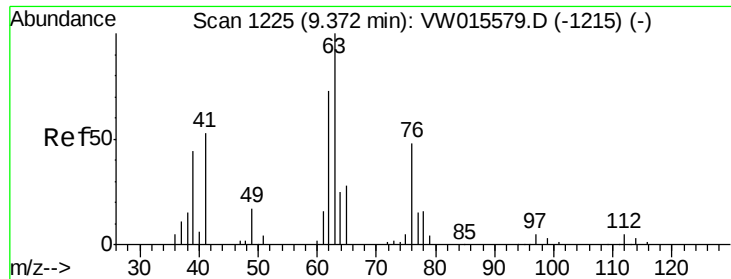


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 0.806 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW015581.D

Acq: 11 Jun 2020 11:56

Instrument :

MSVOA\_W

ClientSampleId :

BG2J9

Tot Ion: 63 Resp: 1841

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#

