

Data File : VU030280.D  
Acq On : 21 Mar 2019 20:52  
Operator : JC/SP  
Sample : K2017-12  
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF0D8

Quant Time: Mar 22 05:19:47 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031919WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 22 05:14:44 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 538416   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 542185   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 280491   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 104927   | 28.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 57.64%# |
| 7) Chloroethane-d5             | 1.70    | 69    | 163      | 0.06     | ug/L | 0.02    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 0.12%#  |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 145903   | 21.97    | ug/L | -0.05   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 43.94%# |
| 21) 2-Butanone-d5              | 4.20    | 46    | 158567   | 58.71    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 58.71%  |
| 24) Chloroform-d               | 4.64    | 84    | 189334   | 28.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 56.68%# |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 116343   | 30.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 61.06%# |
| 32) Benzene-d6                 | 5.33    | 84    | 411093   | 28.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 57.54%# |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 130601   | 29.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 59.08%# |
| 41) Toluene-d8                 | 7.56    | 98    | 368057   | 27.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 54.80%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 55915    | 25.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 51.94%# |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 140950   | 61.48    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 61.48%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 212859   | 31.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 62.78%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 167483   | 29.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 59.48%# |

#### Target Compounds

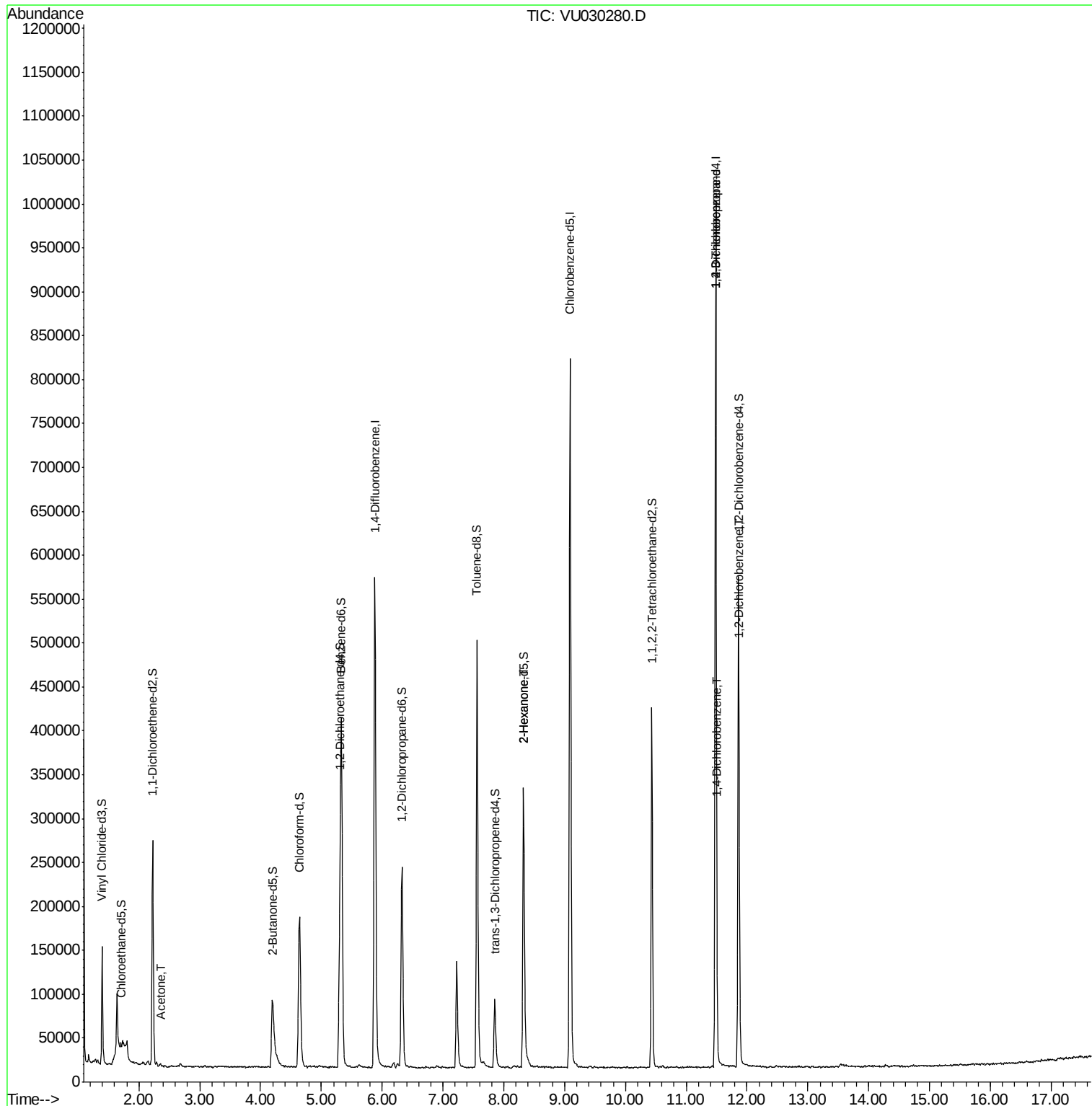
|                            |       |     |       |              | Qvalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                | 2.35  | 43  | 3833  | 1.358 ug/L   | 73     |
| 48) 2-Hexanone             | 8.32  | 43  | 14572 | 3.189 ug/L # | 65     |
| 59) 1,2,3-Trichloropropane | 11.49 | 75  | 29315 | 5.414 ug/L   | 98     |
| 63) 1,4-Dichlorobenzene    | 11.51 | 146 | 6166  | 0.664 ug/L   | 88     |
| 65) 1,2-Dichlorobenzene    | 11.88 | 146 | 6740  | 0.737 ug/L   | 92     |

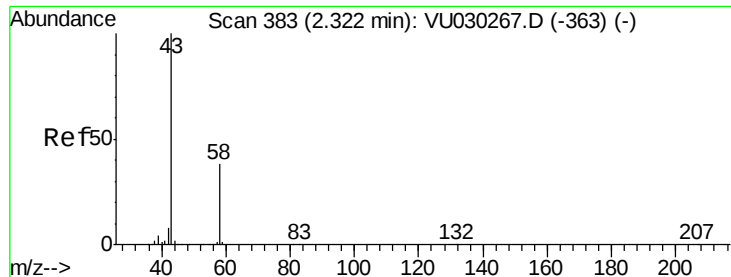
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.358 ug/L

RT: 2.35 min Scan# 391

Delta R.T. 0.03 min

Lab File: VU030280.D

Acq: 21 Mar 2019 20:52

Instrument :

MSVOA\_U

ClientSampleId :

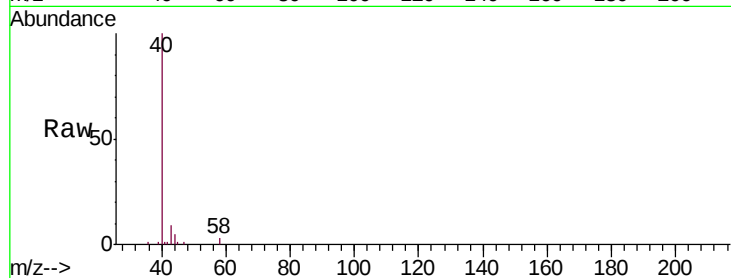
BF0D8

Tgt Ion: 43 Resp: 3833

Ion Ratio Lower Upper

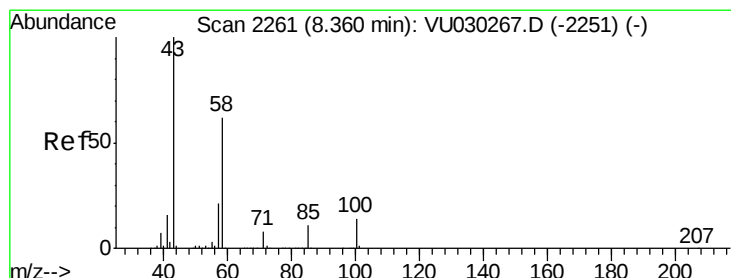
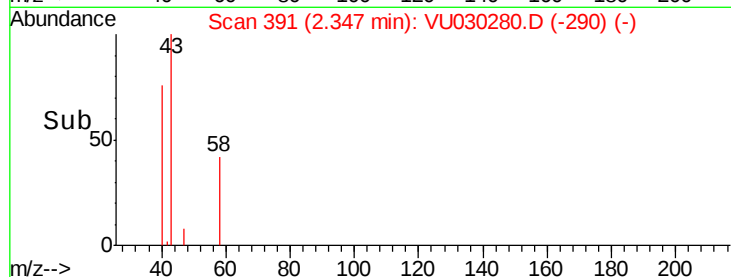
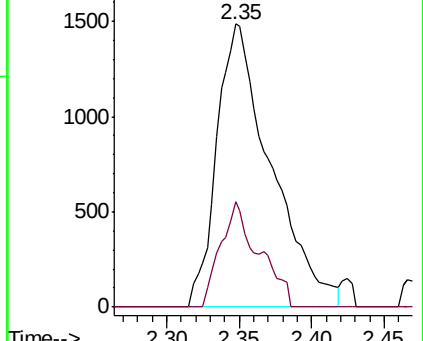
43 100

58 20.5 0.0 73.4



Abundance Ion 43.00 (42.70 to 43.70): VU030267.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU030267.D (-363) (-)



#48

2-Hexanone

Concen: 3.189 ug/L

RT: 8.32 min Scan# 2250

Delta R.T. -0.04 min

Lab File: VU030280.D

Acq: 21 Mar 2019 20:52

Tgt Ion: 43 Resp: 14572

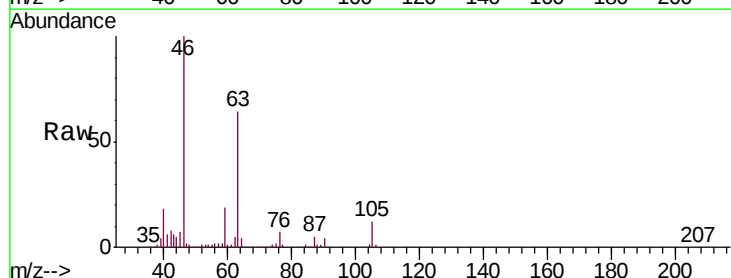
Ion Ratio Lower Upper

43 100

58 29.1 49.3 73.9#

57 28.0 17.0 25.4#

100 0.3 11.0 16.4#

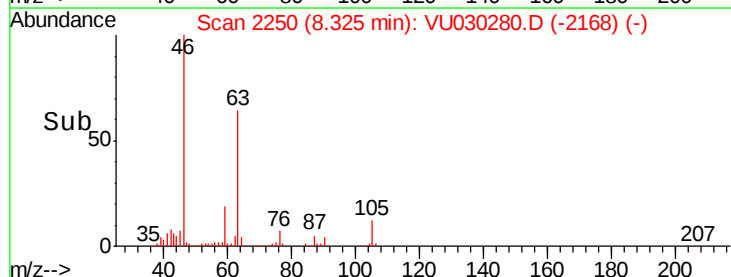
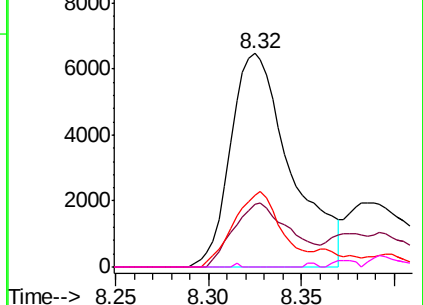


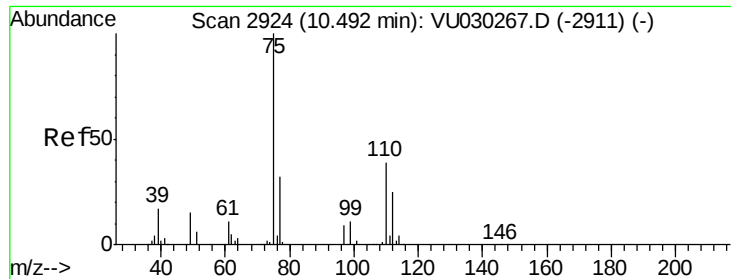
Abundance Ion 43.00 (42.70 to 43.70): VU030267.D (-2251) (-)

Ion 58.00 (57.70 to 58.70): VU030267.D (-2251) (-)

Ion 57.00 (56.70 to 57.70): VU030267.D (-2251) (-)

Ion 100.00 (99.70 to 100.70): VU030267.D (-2251) (-)





#59

1,2,3-Trichloropropane

Concen: 5.414 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 0.99 min

Lab File: VU030280.D

Acq: 21 Mar 2019 20:52

Instrument :

MSVOA\_U

ClientSampleId :

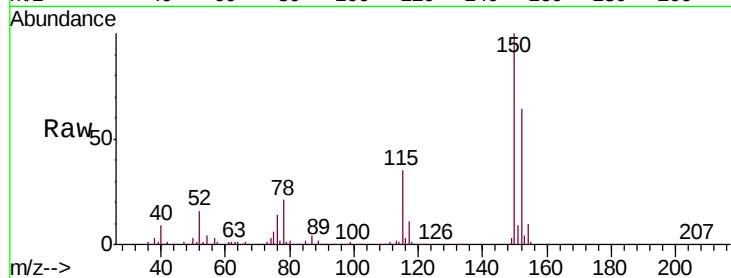
BF0D8

Tgt Ion: 75 Resp: 29315

Ion Ratio Lower Upper

75 100

77 33.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU030267.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU030267.D (-2911) (-)

11.49

20000

15000

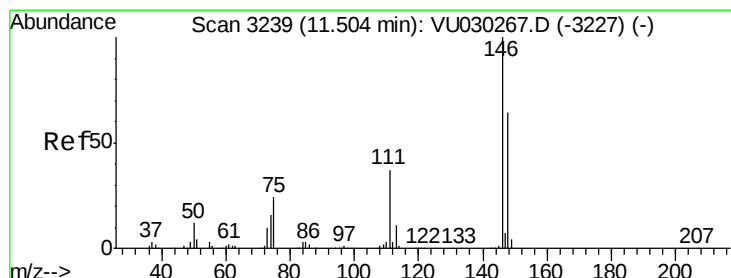
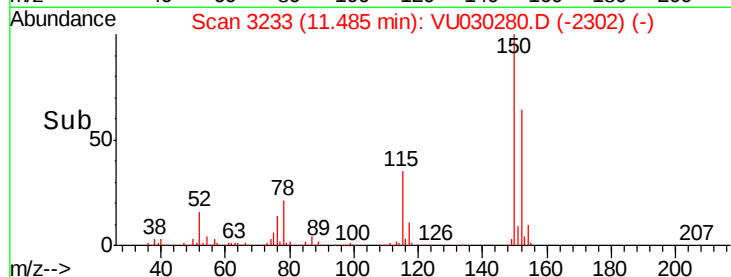
10000

5000

0

Time-->

11.40 11.45 11.50 11.55



#63

1,4-Dichlorobenzene

Concen: 0.664 ug/L

RT: 11.51 min Scan# 3241

Delta R.T. 0.01 min

Lab File: VU030280.D

Acq: 21 Mar 2019 20:52

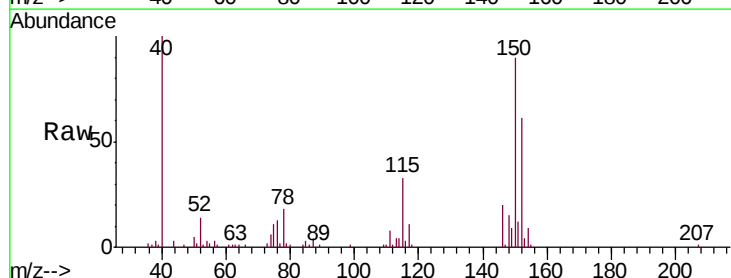
Tgt Ion: 146 Resp: 6166

Ion Ratio Lower Upper

146 100

111 42.1 25.3 46.9

148 73.5 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): VU030267.D (-3227) (-)

Ion 111.00 (110.70 to 111.70): VU030267.D (-3227) (-)

Ion 148.00 (147.70 to 148.70): VU030267.D (-3227) (-)

11.51

4000

3000

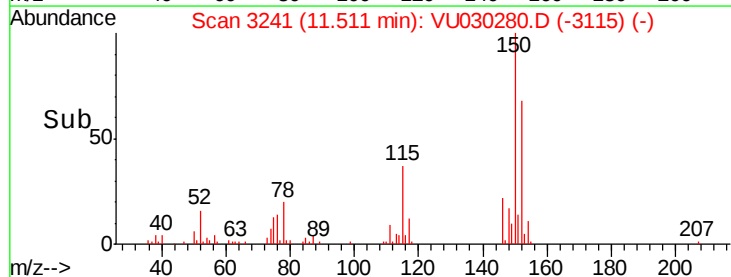
2000

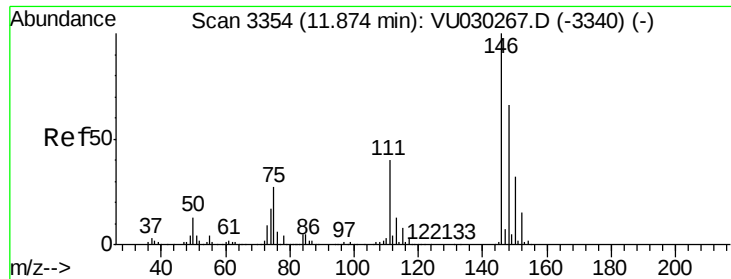
1000

0

Time-->

11.45 11.50 11.55

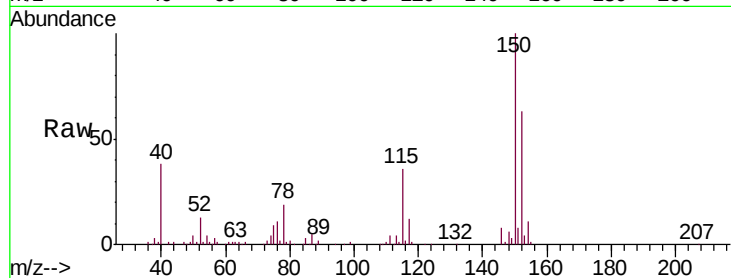




#65  
 1,2-Dichlorobenzene  
 Concen: 0.737 ug/L  
 RT: 11.88 min Scan# 3355  
 Delta R.T. 0.00 min  
 Lab File: VU030280.D  
 Acq: 21 Mar 2019 20:52

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 MSVOA\_U  
 ClientSampleId :  
 BF0D8

Tgt Ion:146 Resp: 6740  
 Ion Ratio Lower Upper  
 146 100  
 111 46.1 31.7 47.5  
 148 70.4 52.0 78.0



Abundance Ion 146.00 (145.70 to 146.70): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

