

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011720\  
 Data File : VW014681.D  
 Acq On : 17 Jan 2020 11:49  
 Operator : SY/VA  
 Sample : L1109-05  
 Misc : 4.99G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GASG4

Quant Time: Jan 17 16:24:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122719S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 17 14:29:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1255386  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 1099222  | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 453843   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 329981   | 18.65    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 74.60% |
| 7) Chloroethane-d5             | 2.89   | 69    | 264916   | 20.32    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.28% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 479367   | 14.81    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 59.24% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 136143   | 32.33    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 64.66% |
| 24) Chloroform-d               | 7.64   | 84    | 601698   | 20.83    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 83.32% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 291929   | 19.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 77.92% |
| 29) Benzene-d6                 | 8.27   | 84    | 1299178  | 22.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.92% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 394399   | 22.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 89.76% |
| 37) Toluene-d8                 | 10.32  | 98    | 1174341  | 22.16    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 88.64% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 140580   | 19.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 77.48% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 106039   | 35.28    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 70.56% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 233184   | 17.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 70.68% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 327035   | 21.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 87.48% |

## Target Compounds

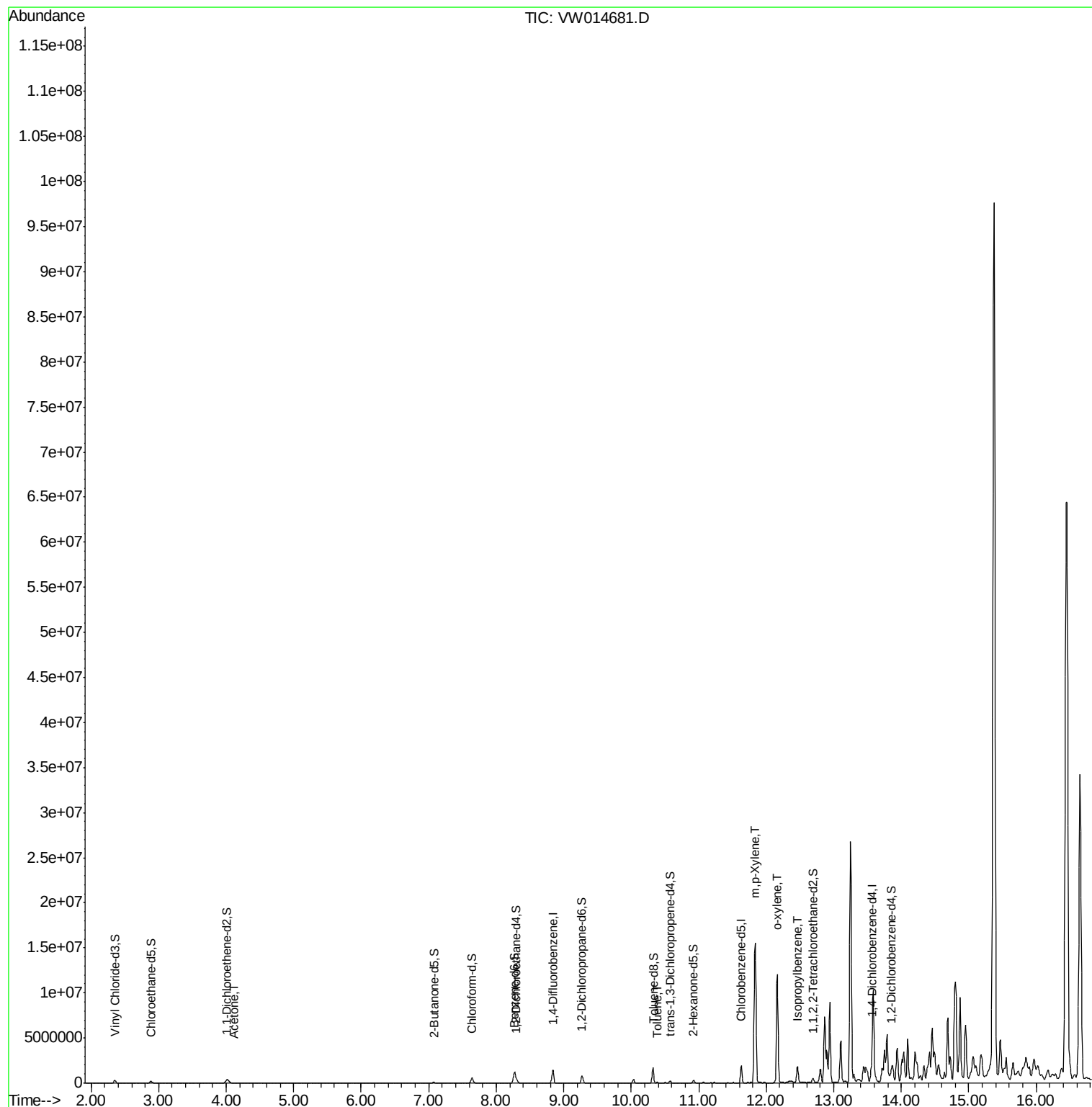
|                      |       |     |         |         | Ovalue   |
|----------------------|-------|-----|---------|---------|----------|
| 13) Acetone          | 4.12  | 43  | 14785   | 2.536   | ug/L 100 |
| 44) Toluene          | 10.38 | 91  | 74257   | 1.074   | ug/L 98  |
| 54) m,p-Xylene       | 11.83 | 106 | 5162927 | 179.503 | ug/L 90  |
| 55) o-xylene         | 12.16 | 106 | 3360928 | 123.710 | ug/L 95  |
| 57) Isopropylbenzene | 12.46 | 105 | 1201241 | 16.622  | ug/L 99  |

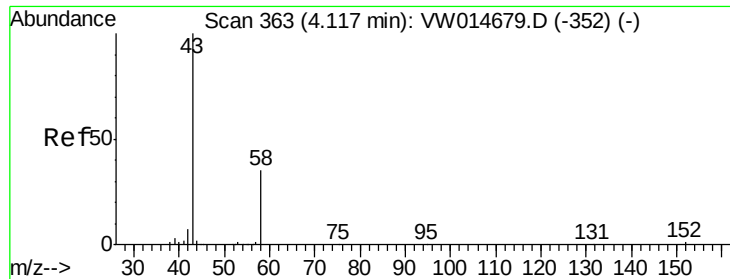
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
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Response via : Initial Calibration





#13

Acetone

Concen: 2.536 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014681.D

Acq: 17 Jan 2020 11:49

Instrument :

MSVOA\_W

ClientSampled :

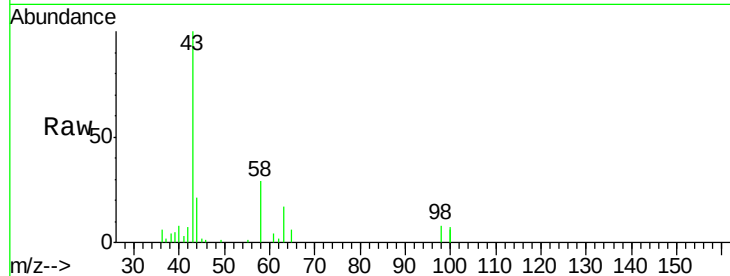
GASG4

Tot Ion: 43 Resp: 14785

Ion Ratio Lower Upper

43 100

58 31.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

6000

5000

4000

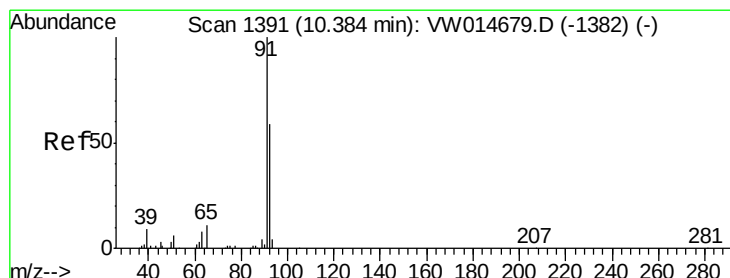
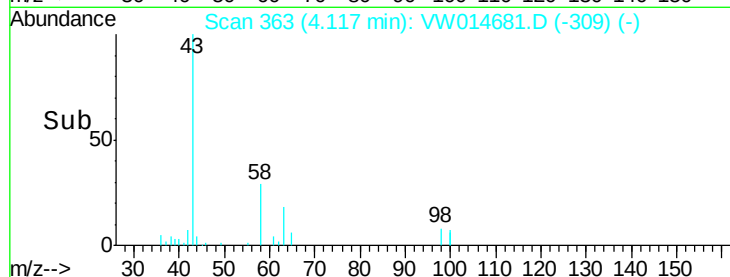
3000

2000

1000

0

Time-->



#44

Toluene

Concen: 1.074 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014681.D

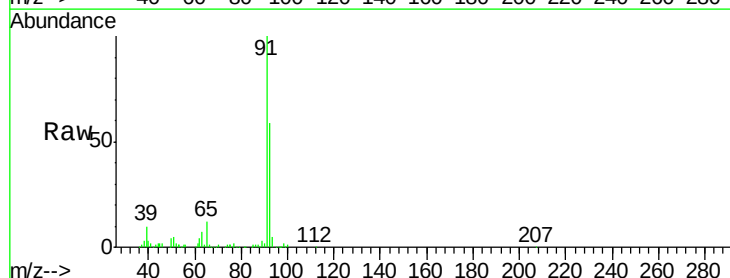
Acq: 17 Jan 2020 11:49

Tgt Ion: 91 Resp: 74257

Ion Ratio Lower Upper

91 100

92 58.7 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

50000

40000

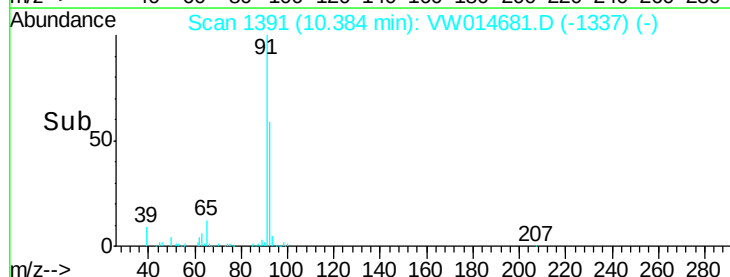
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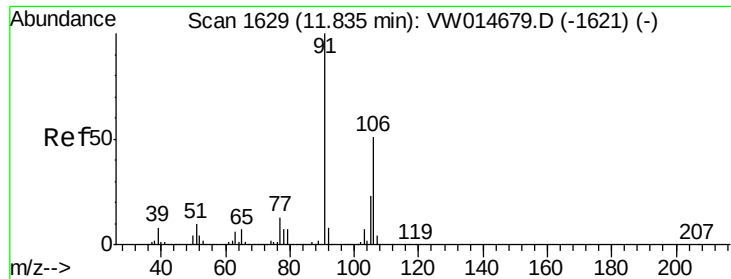
20000

10000

0

Time-->





#54

m,p-Xylene

Concen: 179.503 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014681.D

Acq: 17 Jan 2020 11:49

Instrument :

MSVOA\_W

ClientSampleId :

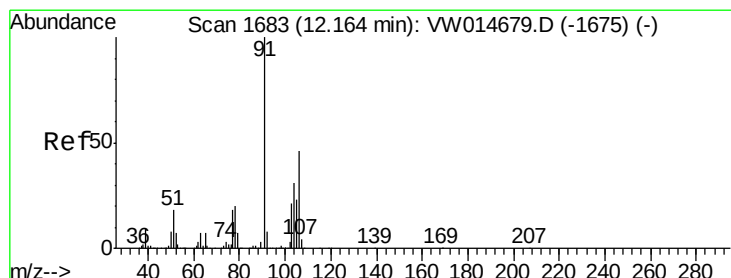
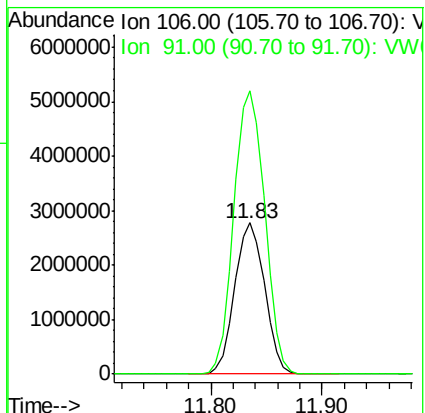
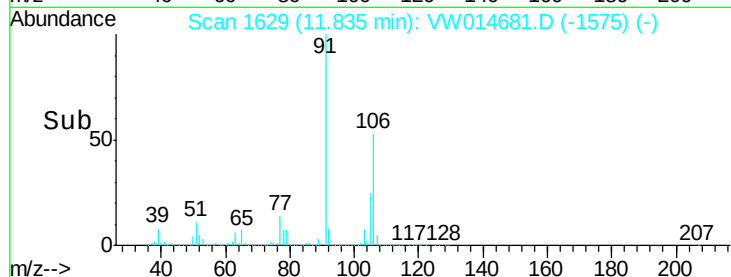
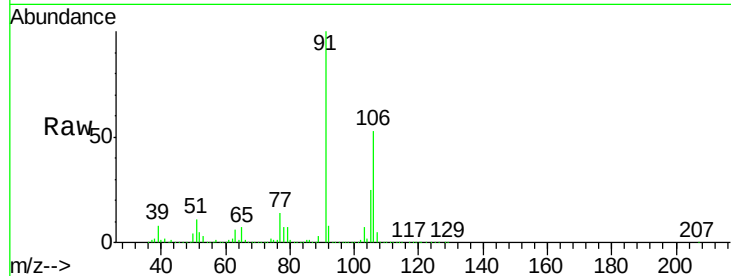
GASG4

Tot Ion:106 Resp: 5162927

Ion Ratio Lower Upper

106 100

91 187.1 142.2 264.0



#55

o-xylene

Concen: 123.710 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014681.D

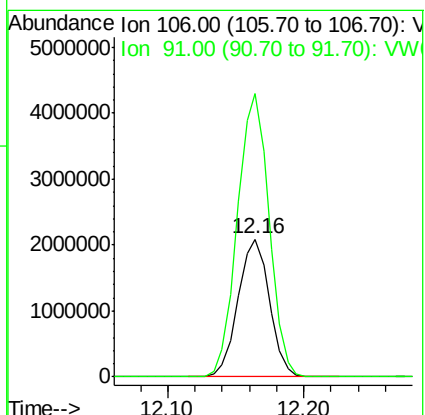
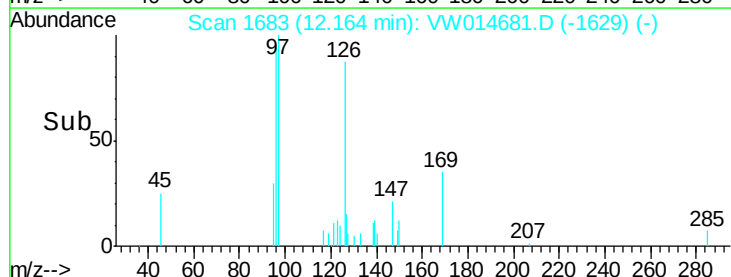
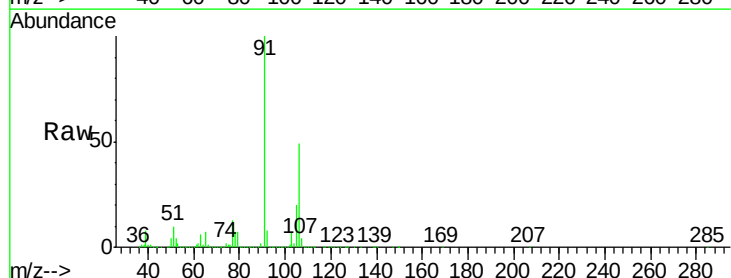
Acq: 17 Jan 2020 11:49

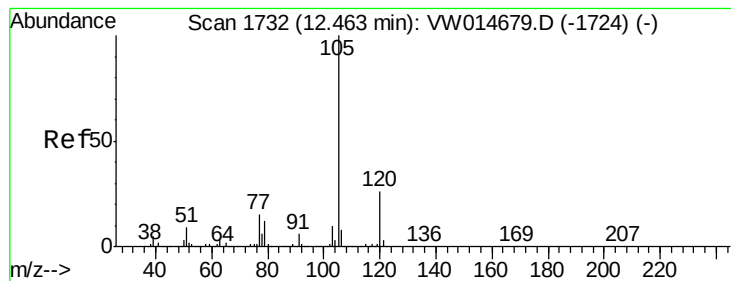
Tgt Ion:106 Resp: 3360928

Ion Ratio Lower Upper

106 100

91 205.1 148.7 276.1





#57

Isopropylbenzene

Concen: 16.622 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014681.D

Acq: 17 Jan 2020 11:49

Instrument :

MSVOA\_W

ClientSampleId :

GASG4

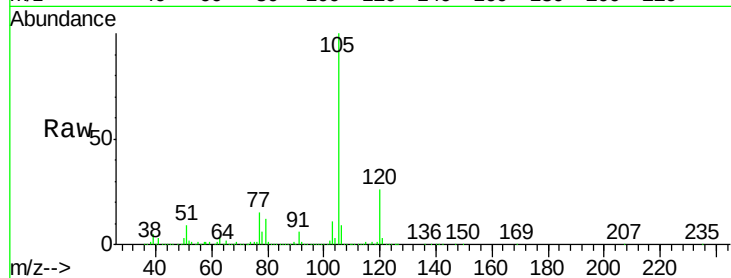
Tot Ion:105 Resp: 1201241

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

77 15.0 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

