

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020120\  
 Data File : VV014460.D  
 Acq On : 31 Jan 2020 19:24  
 Operator : SY/MD  
 Sample : L1324-03 5X  
 Misc : 5.01g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAT60

Quant Time: Feb 15 03:18:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM020120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Feb 01 02:36:06 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 383746   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 370558   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 194876   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 99548    | 46.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.42%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 57196    | 43.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 86.32%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 100474   | 35.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.62%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 155239   | 108.25   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 108.25% |
| 24) Chloroform-d               | 4.40    | 84    | 209405   | 46.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.84%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 135156   | 49.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.48%  |
| 32) Benzene-d6                 | 5.09    | 84    | 451754   | 46.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 144585   | 46.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.68%  |
| 41) Toluene-d8                 | 7.35    | 98    | 433571   | 48.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.28%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 74406    | 47.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.84%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 140056   | 115.96   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 115.96% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 203254   | 51.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 179643   | 50.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.10% |

## Target Compounds

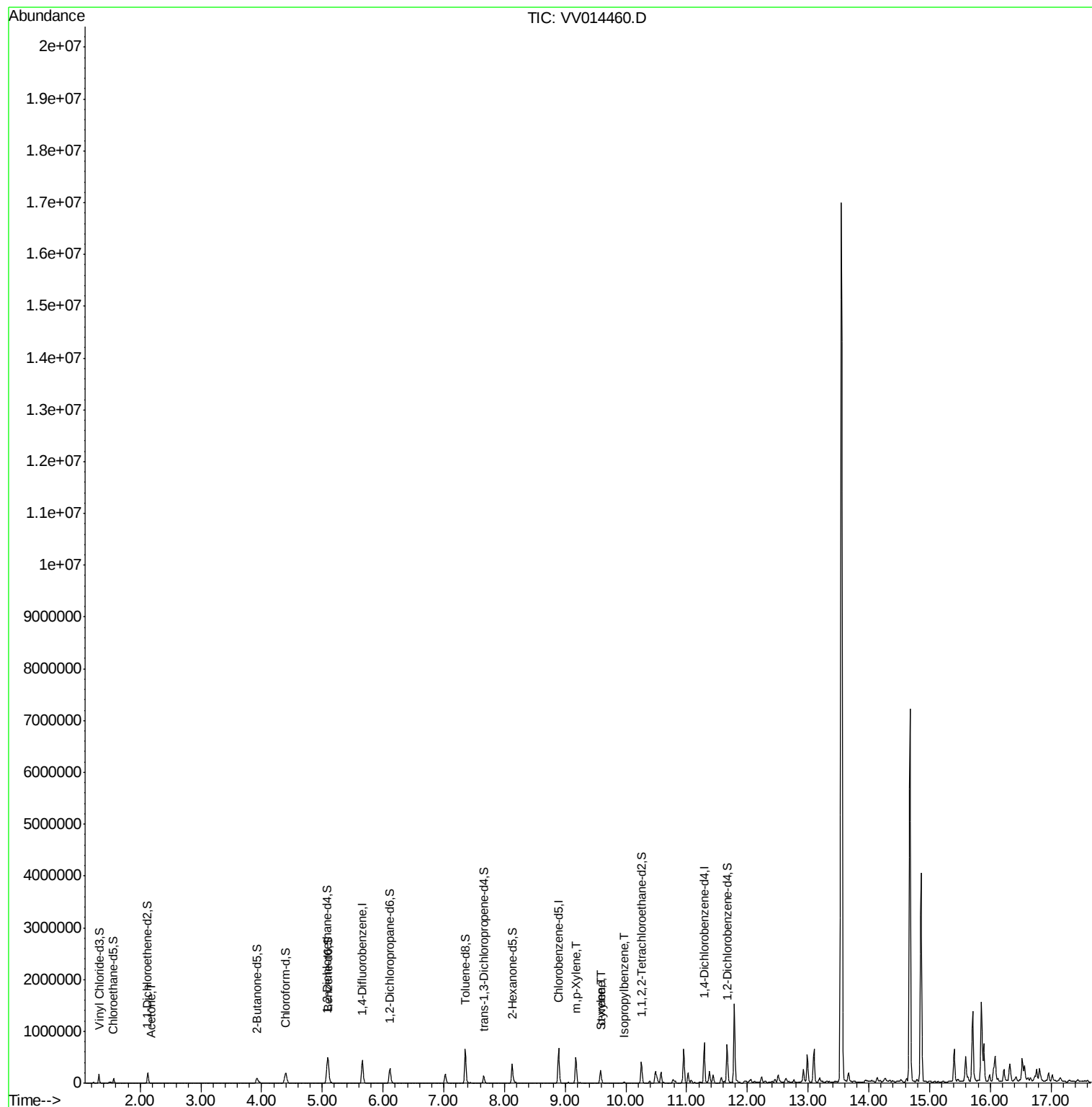
|                      |      |     |        |              | Ovalue |
|----------------------|------|-----|--------|--------------|--------|
| 13) Acetone          | 2.19 | 43  | 2129   | 1.740 ug/L   | 98     |
| 53) m,p-Xylene       | 9.18 | 106 | 137763 | 28.719 ug/L  | 99     |
| 54) o-xylene         | 9.58 | 106 | 64800  | 13.633 ug/L  | 100    |
| 55) Styrene          | 9.60 | 104 | 16981  | 2.129 ug/L # | 79     |
| 56) Isopropylbenzene | 9.97 | 105 | 12088  | 0.995 ug/L   | 95     |

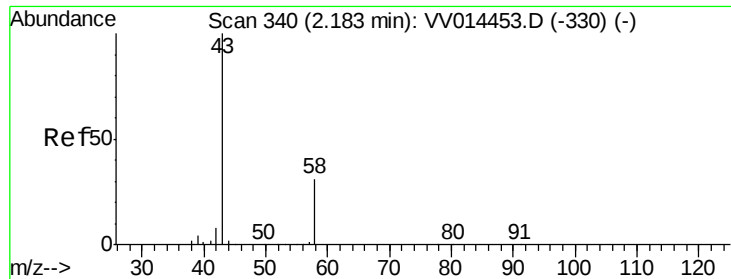
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Feb 01 02:36:06 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 1.740 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV014460.D

Acq: 31 Jan 2020 19:24

Instrument :

MSVOA\_V

ClientSampled :

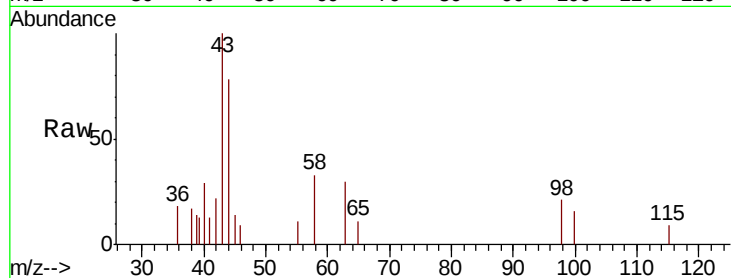
GAT60

Tot Ion: 43 Resp: 2129

Ion Ratio Lower Upper

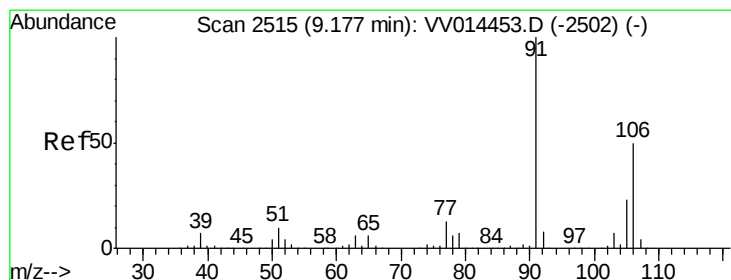
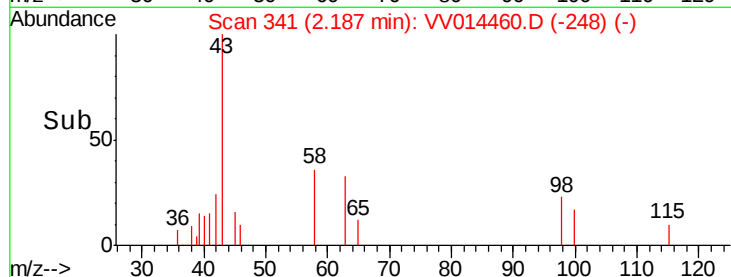
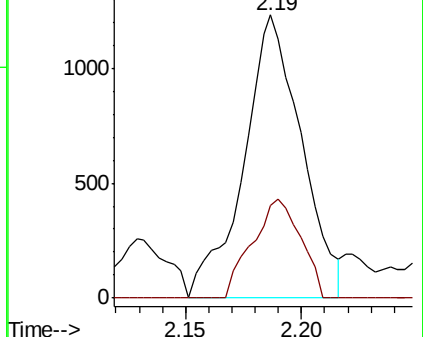
43 100

58 29.3 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VV014453.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV014453.D (-330) (-)



#53

m,p-Xylene

Concen: 28.719 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014460.D

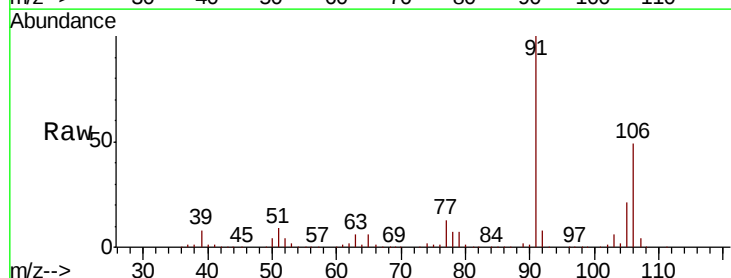
Acq: 31 Jan 2020 19:24

Tgt Ion: 106 Resp: 137763

Ion Ratio Lower Upper

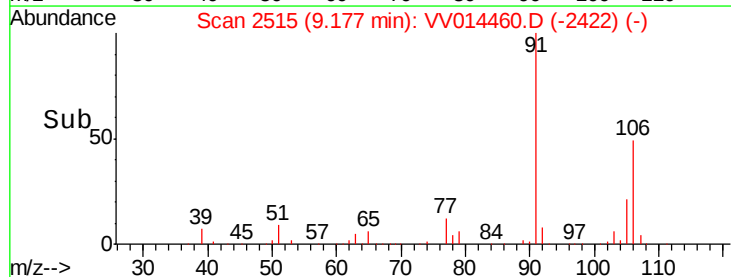
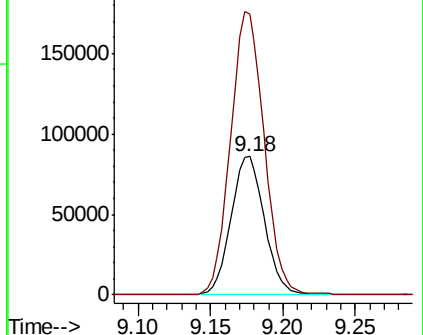
106 100

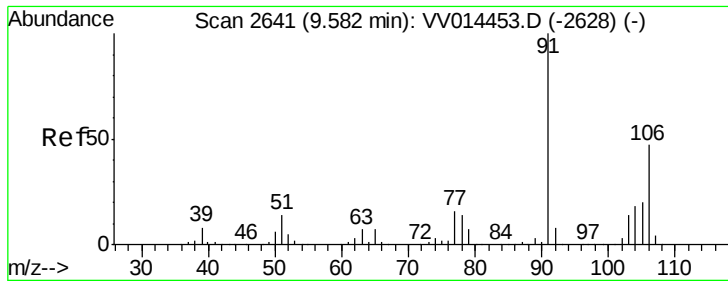
91 203.1 140.9 261.7



Abundance Ion 106.00 (105.70 to 106.70): VV014453.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV014453.D (-2502) (-)





#54

o-xylene

Concen: 13.633 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014460.D

Acq: 31 Jan 2020 19:24

Instrument :

MSVOA\_V

ClientSampleId :

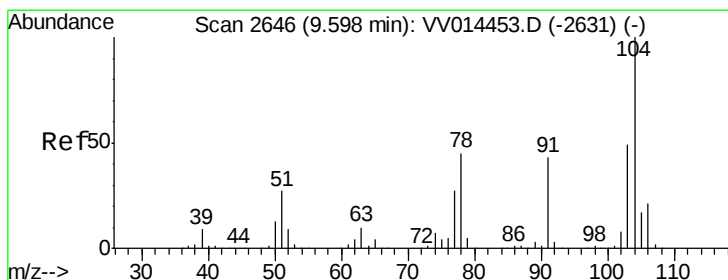
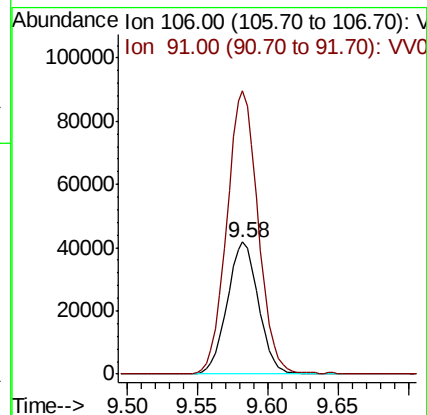
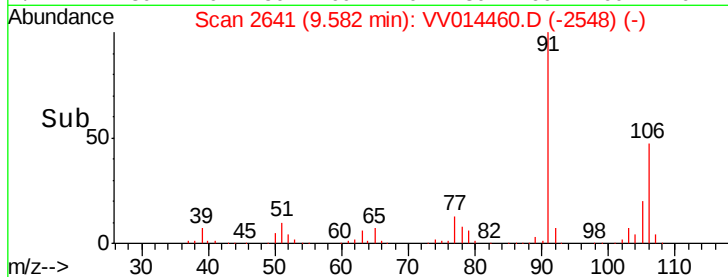
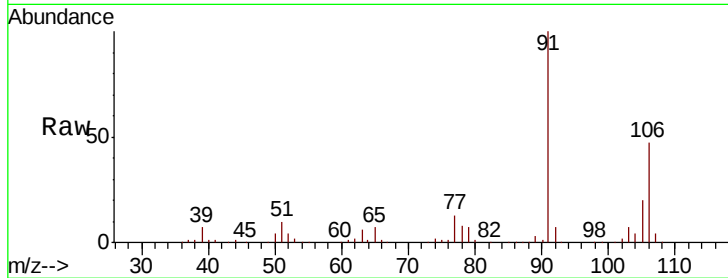
GAT60

Tot Ion:106 Resp: 64800

Ion Ratio Lower Upper

106 100

91 214.7 150.4 279.2



#55

Styrene

Concen: 2.129 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV014460.D

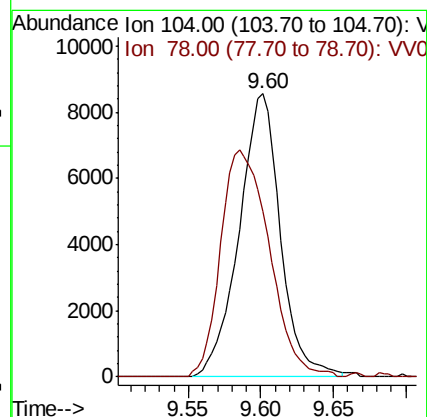
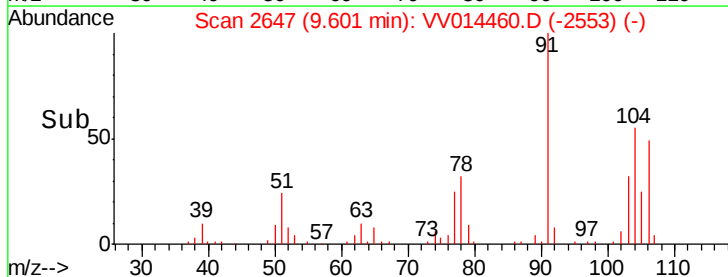
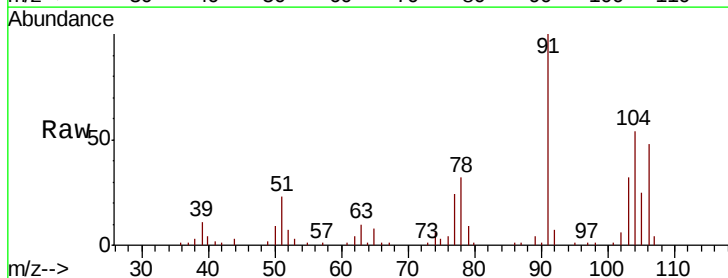
Acq: 31 Jan 2020 19:24

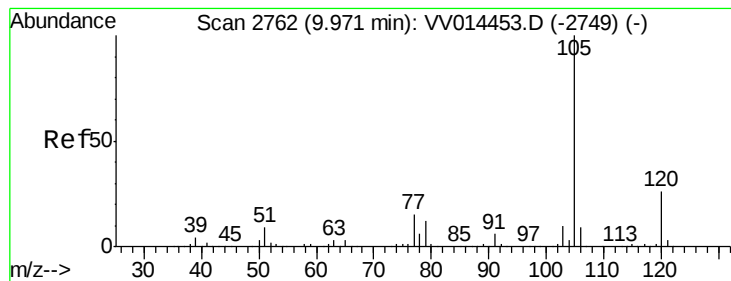
Tgt Ion:104 Resp: 16981

Ion Ratio Lower Upper

104 100

78 58.4 31.3 58.1#





#56  
 Isopropylbenzene  
 Concen: 0.995 ug/L  
 RT: 9.97 min Scan# 2762  
 Delta R.T. -0.00 min  
 Lab File: VV014460.D  
 Acq: 31 Jan 2020 19:24

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAT60

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 105   | Resp: | 12088 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 28.0  | 21.0  | 31.6  |
| 77       | 18.5  | 12.5  | 18.7  |

