

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\  
 Data File : VN053311.D  
 Acq On : 8 Jan 2019 11:57  
 Operator : MD\SY  
 Sample : K1071-03ME  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 8 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CPSB-16(10-15)ME

Manual Integrations  
 APPROVED

MMDadoda  
 1/9/2019 10:57:41 AM

Quant Time: Jan 09 00:40:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N010519W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 07 09:34:27 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.66   | 168  | 1021598  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59   | 114  | 1559147  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 1406737  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35  | 152  | 648274   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65   | 481854   | 45.34  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 90.68%  |          |
| 35) Dibromofluoromethane    | 7.59   | 113  | 407652   | 45.93  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 91.86%  |          |
| 50) Toluene-d8              | 10.09  | 98   | 1954023  | 51.03  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 102.06% |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 737462   | 55.02  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 110.04% |          |
| Target Compounds            |        |      |          |        |         |          |
| 39) Methylcyclohexane       | 9.08   | 83   | 136821m  | 8.114  | ug/l    | Qvalue   |
| 65) Chlorobenzene           | 11.44  | 112  | 183571   | 6.007  | ug/l    | 100      |
| 73) Isopropylbenzene        | 12.25  | 105  | 772477   | 16.005 | ug/l    | 100      |
| 78) n-propylbenzene         | 12.59  | 91   | 2079328  | 38.086 | ug/l    | 100      |
| 85) sec-Butylbenzene        | 13.17  | 105  | 2040636  | 45.363 | ug/l    | 84       |
| 89) n-Butylbenzene          | 13.62  | 91   | 1265533  | 38.755 | ug/l #  | 85       |

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

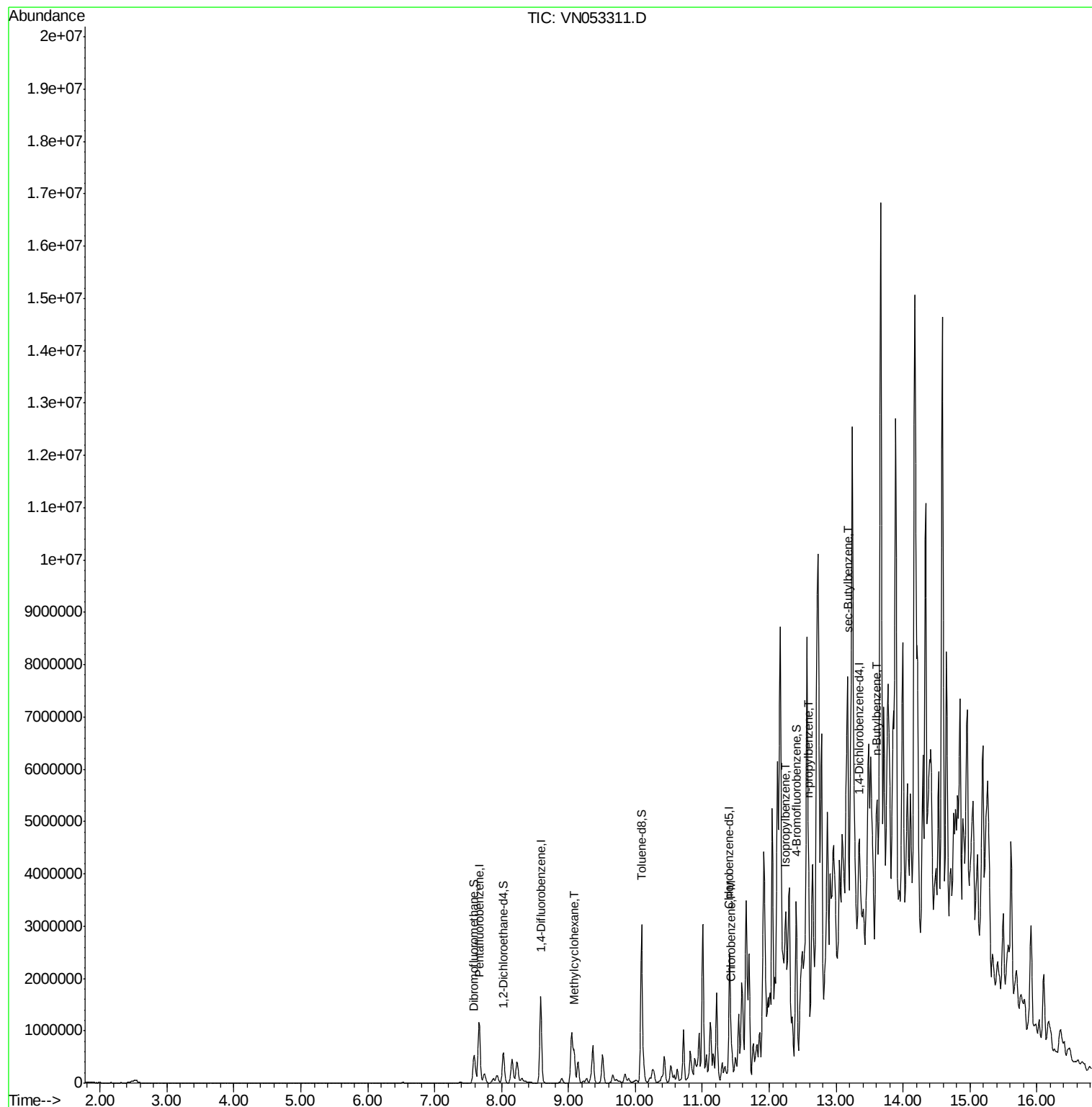
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN010819\  
Data File : VN053311.D  
Acq On : 8 Jan 2019 11:57  
Operator : MD\SY  
Sample : K1071-03ME  
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 8 Sample Multiplier: 28

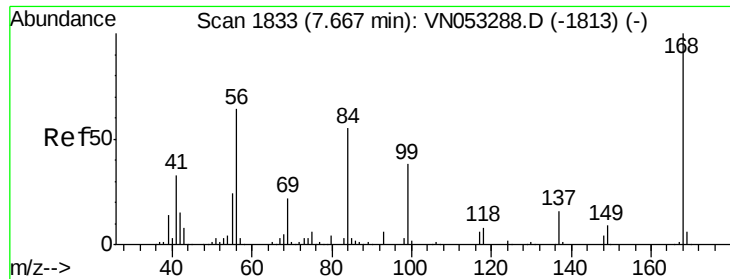
Instrument :  
MSVOA\_N  
ClientSampleId :  
CPSB-16(10-15)ME

Manual Integrations  
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1/9/2019 10:57:41 AM

Quant Time: Jan 09 00:40:14 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N010519W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 07 09:34:27 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053311.D

Acq: 8 Jan 2019 11:57

Instrument :

MSVOA\_N

ClientSampleId :

CPSB-16(10-15)ME

Tot Ion:168 Resp: 1021598

Ion Ratio Lower Upper

168 100

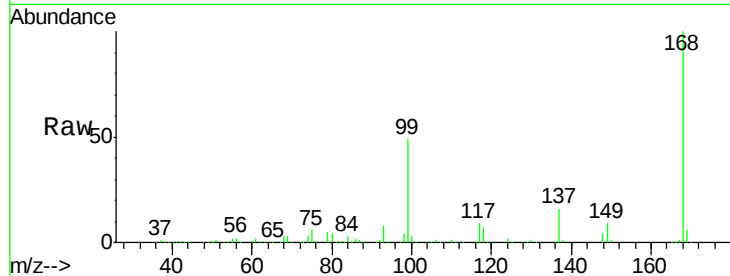
99 49.4 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

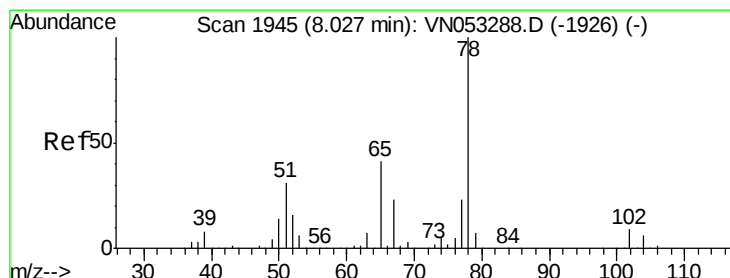
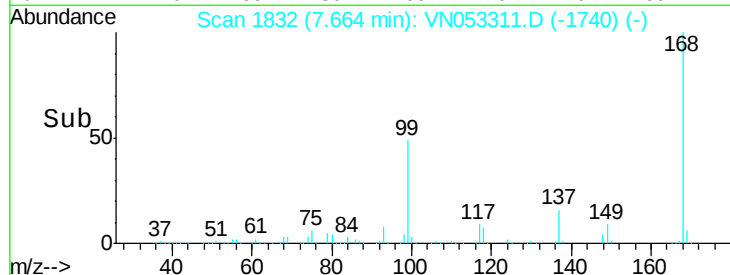
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053311.D

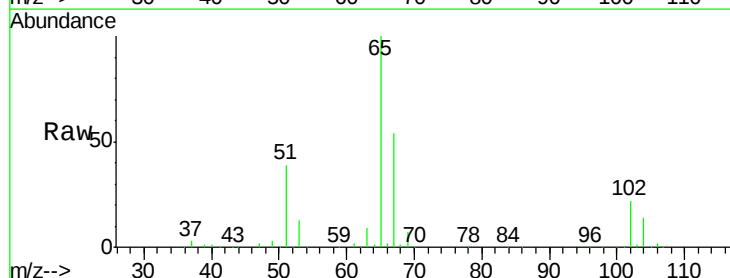
Acq: 8 Jan 2019 11:57

Tgt Ion: 65 Resp: 481854

Ion Ratio Lower Upper

65 100

67 54.9 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

200000

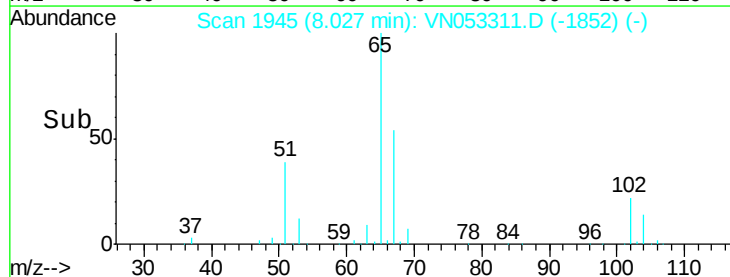
150000

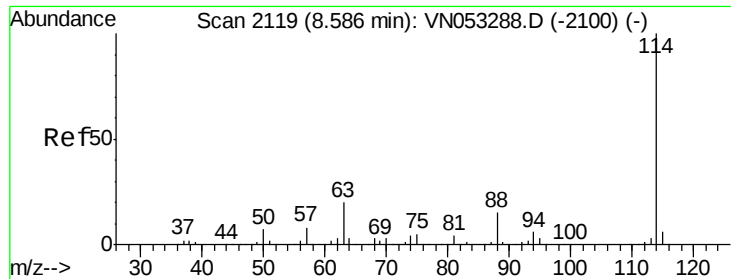
100000

50000

0

Time-->





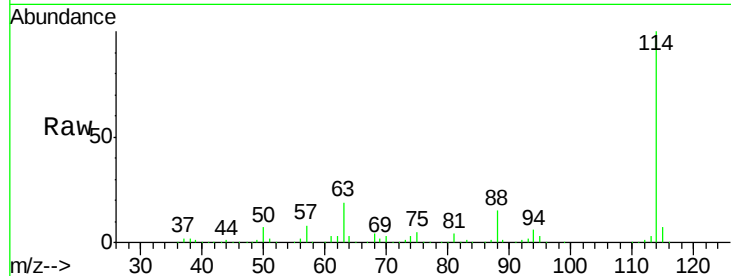
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.59 min Scan# 2119  
Delta R.T. 0.00 min  
Lab File: VN053311.D  
Acq: 8 Jan 2019 11:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
CPSB-16(10-15)ME

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.4  | 0.0   | 39.0  |
| 88      | 15.3  | 0.0   | 30.8  |

Manual Integrations  
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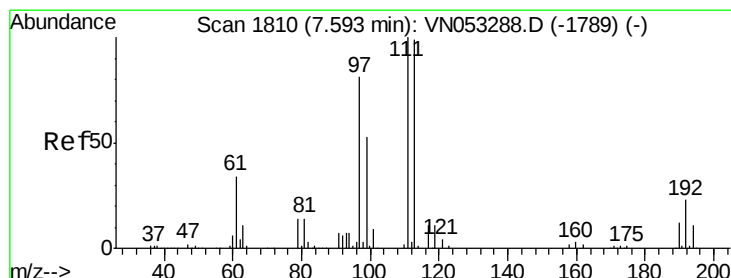
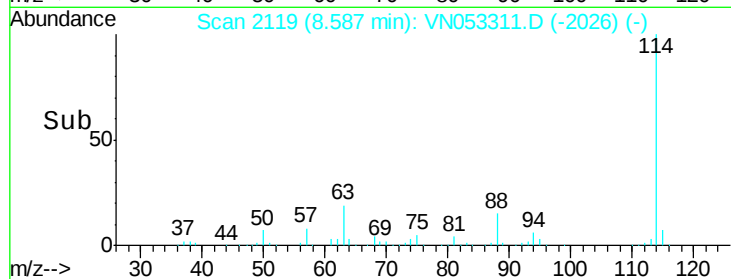
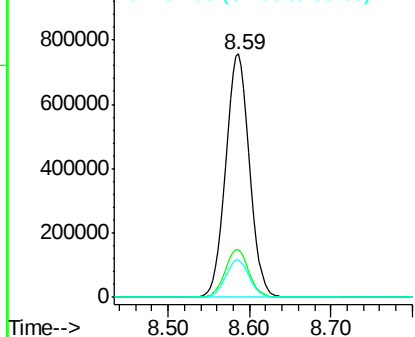
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Abundance Ion 113.90 (113.60 to 114.60): V

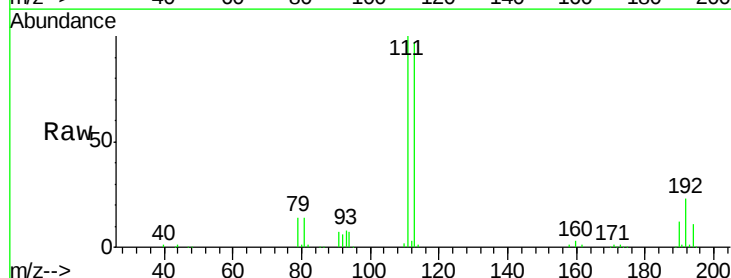
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. -0.00 min  
Lab File: VN053311.D  
Acq: 8 Jan 2019 11:57

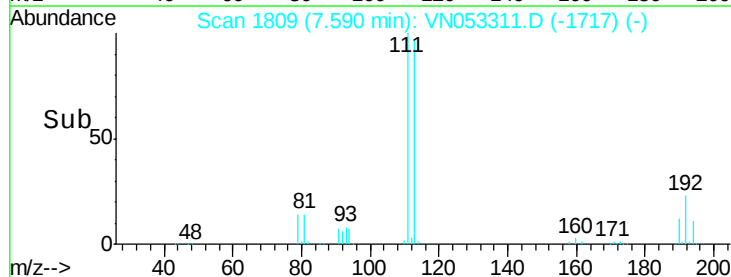
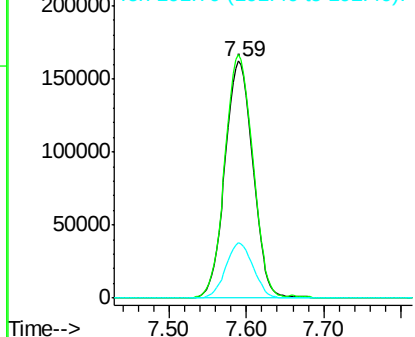
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 81.4  | 122.2 |
| 192     | 22.6  | 17.9  | 26.9  |

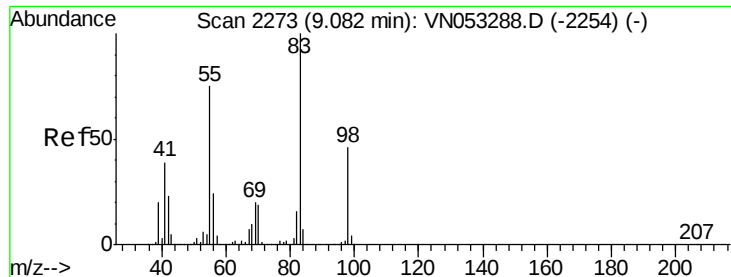


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





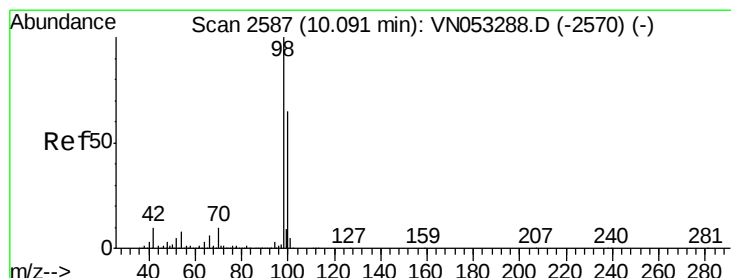
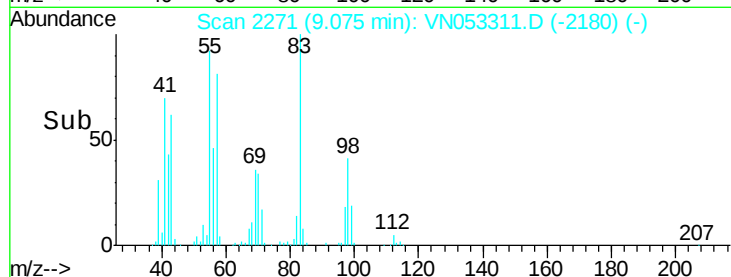
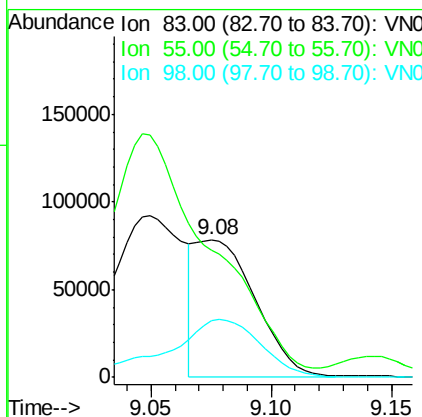
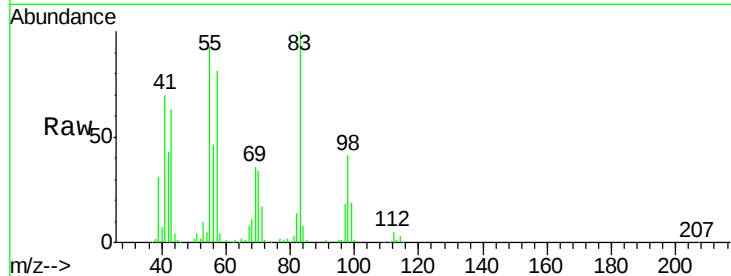
#39  
Methvlcvclohexane  
Concen: 8.114 ug/l m  
RT: 9.08 min Scan# 2271  
Delta R.T. -0.01 min  
Lab File: VN053311.D  
Acq: 8 Jan 2019 11:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
CPSB-16(10-15)ME

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 92.9  | 60.1  | 90.1# |
| 98      | 41.1  | 36.7  | 55.1  |

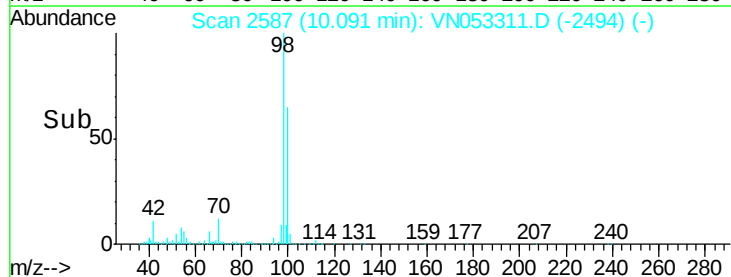
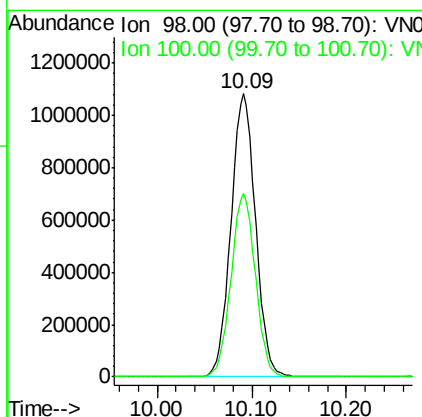
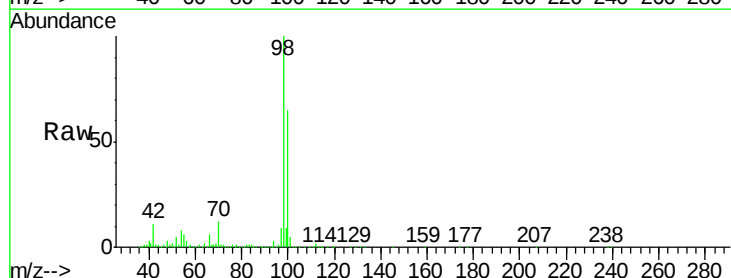
Manual Integrations  
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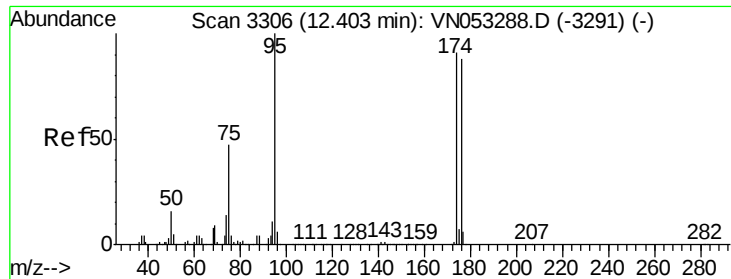
MMDadoda  
1/9/2019 10:57:41 AM



#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN053311.D  
Acq: 8 Jan 2019 11:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.2  | 51.5  | 77.3  |





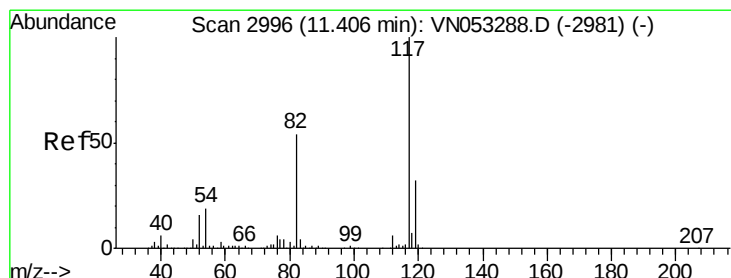
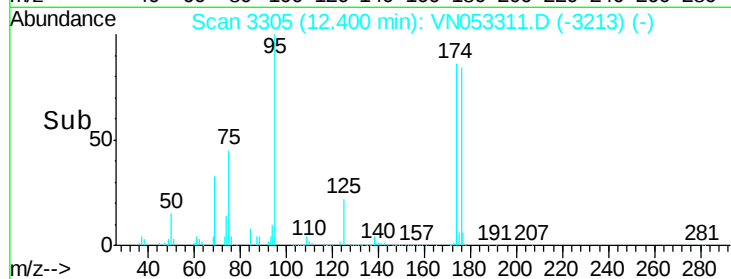
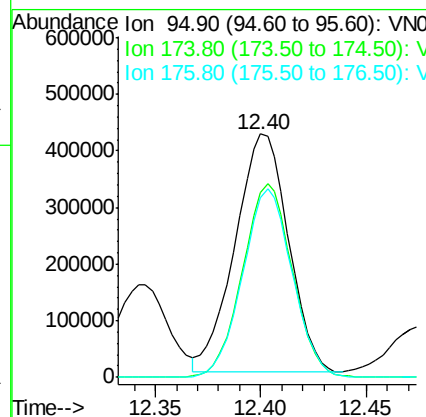
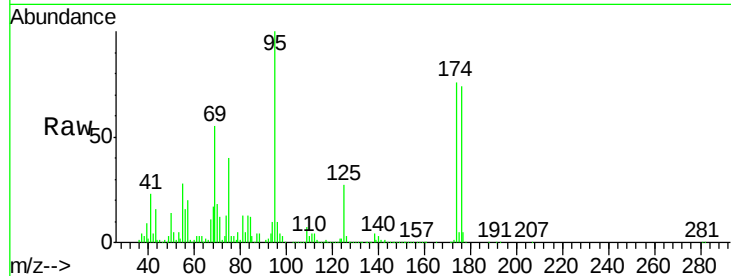
#62  
4-Bromofluorobenzene  
Concen: Below ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN053311.D  
Acq: 8 Jan 2019 11:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
CPSB-16(10-15)ME

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 737462 |       |       |
| 174     | 75.9  | 0.0    | 180.4 |       |
| 176     | 74.1  | 0.0    | 175.6 |       |

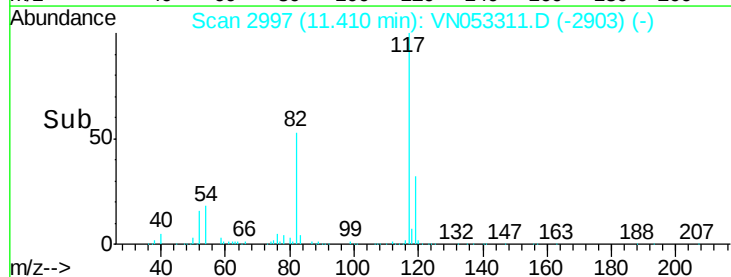
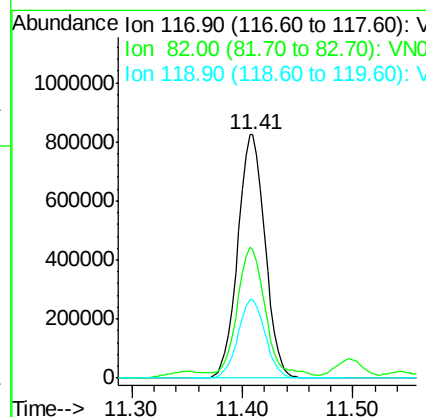
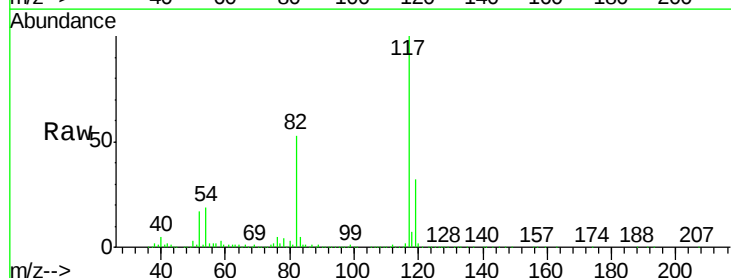
Manual Integrations  
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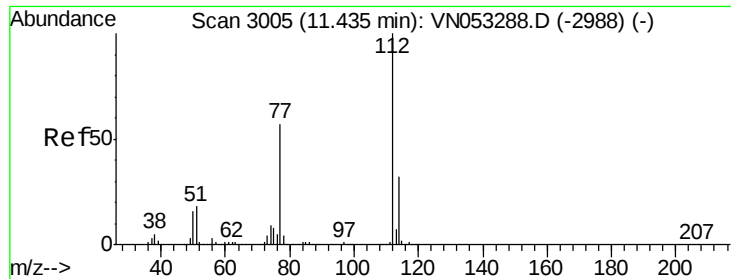
MMDadoda  
1/9/2019 10:57:41 AM



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN053311.D  
Acq: 8 Jan 2019 11:57

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 117     | 100   | 1406737 |       |       |
| 82      | 50.4  | 42.9    | 64.3  |       |
| 119     | 32.2  | 25.6    | 38.4  |       |





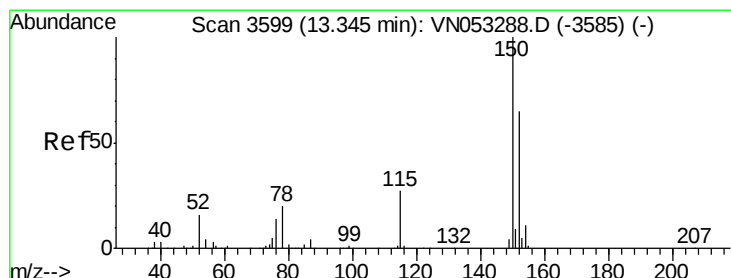
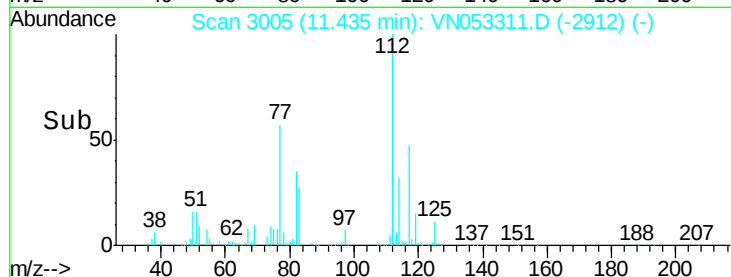
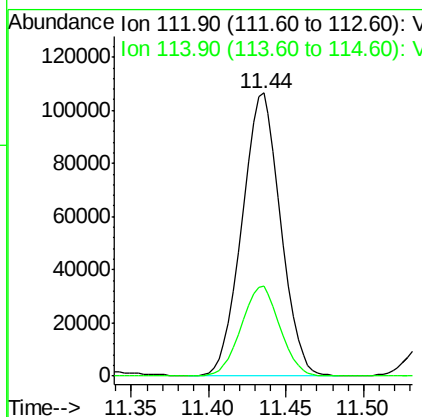
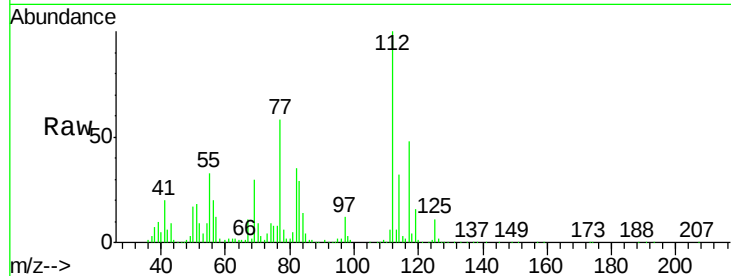
#65  
Chlorobenzene  
Concen: 6.007 ug/l  
RT: 11.44 min Scan# 3005  
Delta R.T. 0.00 min  
Lab File: VN053311.D  
Acq: 8 Jan 2019 11:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
CPSB-16(10-15)ME

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.9  | 25.6  | 38.4  |

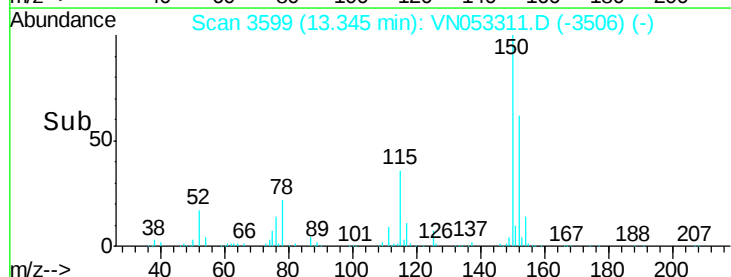
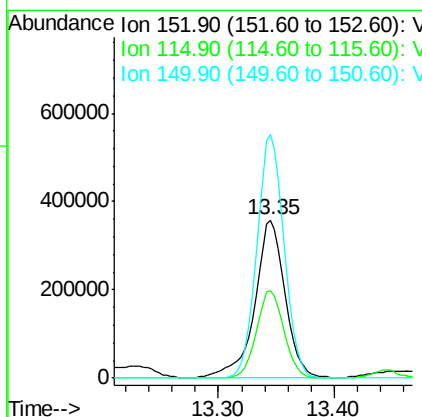
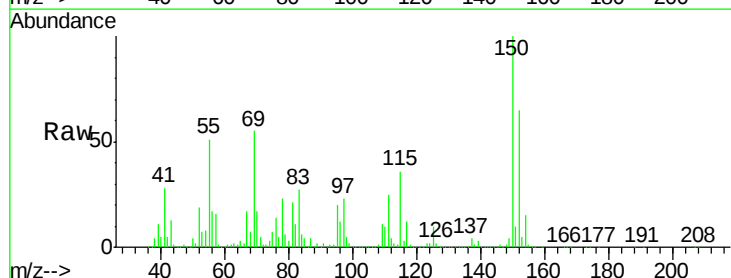
Manual Integrations  
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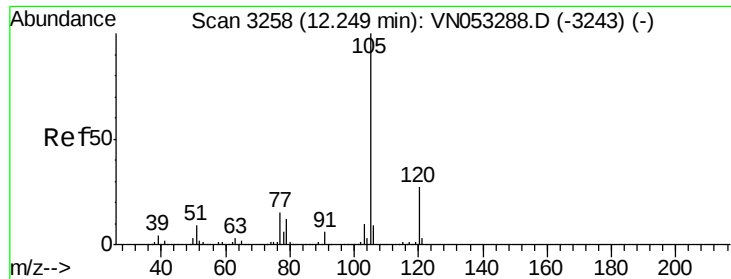
MMDadoda  
1/9/2019 10:57:41 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN053311.D  
Acq: 8 Jan 2019 11:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 50.0  | 28.0  | 84.0  |
| 150     | 139.2 | 0.0   | 346.6 |





#73

Isopropylbenzene

Concen: 16.005 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053311.D

Acq: 8 Jan 2019 11:57

Instrument :

MSVOA\_N

ClientSampleId :

CPSB-16(10-15)ME

Tot Ion:105 Resp: 772477

Ion Ratio Lower Upper

105 100

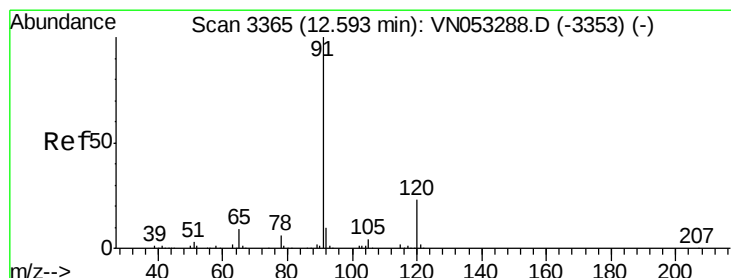
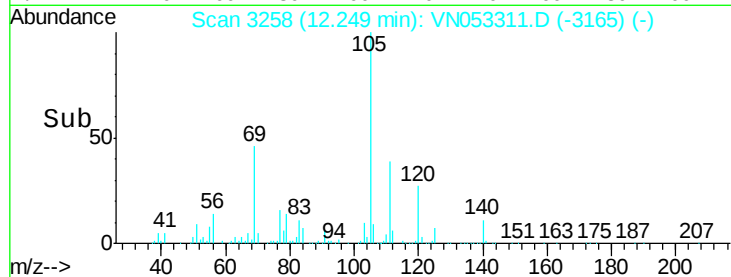
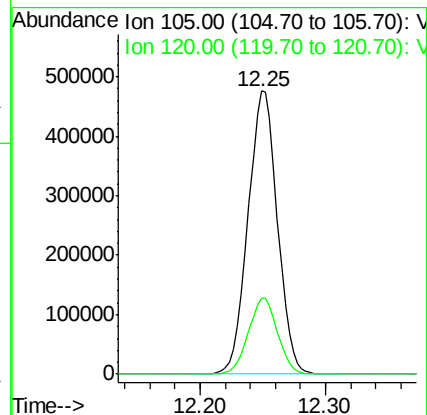
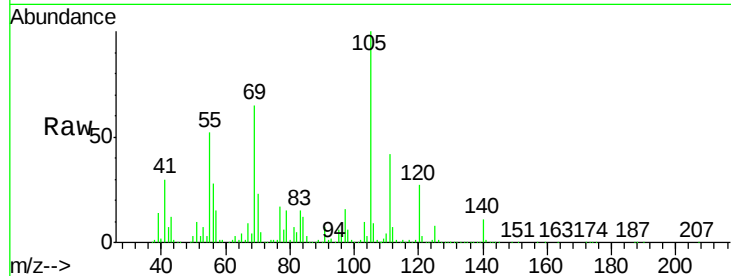
120 26.7 13.4 40.2

Manual Integrations

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1/9/2019 10:57:41 AM



#78

n-propylbenzene

Concen: 38.086 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053311.D

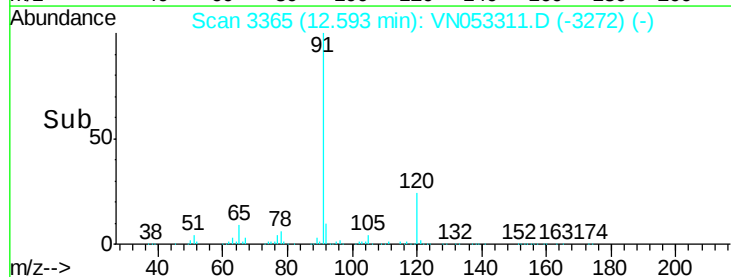
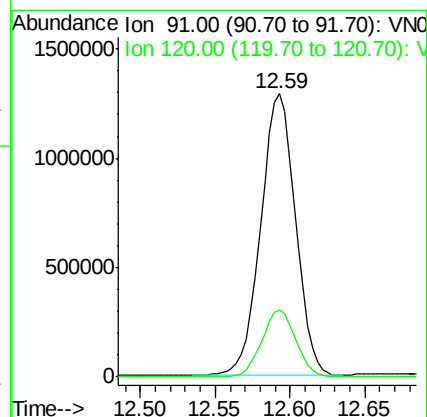
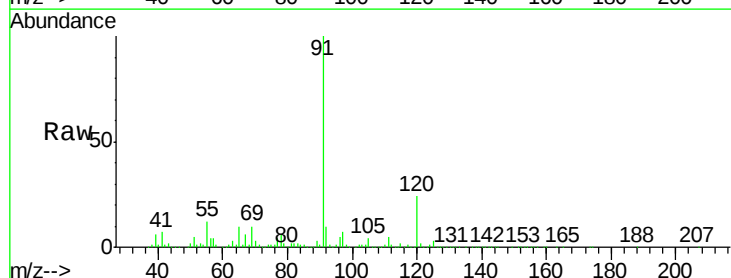
Acq: 8 Jan 2019 11:57

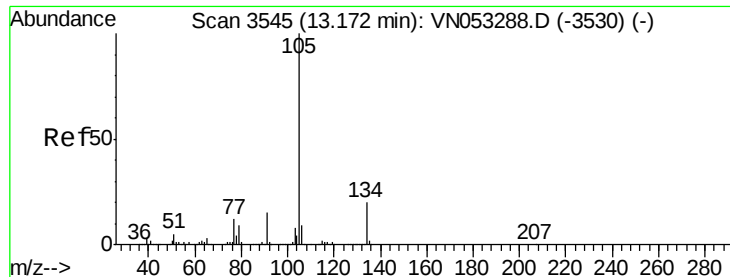
Tgt Ion: 91 Resp: 2079328

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.5





#85

sec-Butylbenzene

Concen: 45.363 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053311.D

Acq: 8 Jan 2019 11:57

Instrument :

MSVOA\_N

ClientSampleId :

CPSB-16(10-15)ME

Tot Ion:105 Resp: 2040636

Ion Ratio Lower Upper

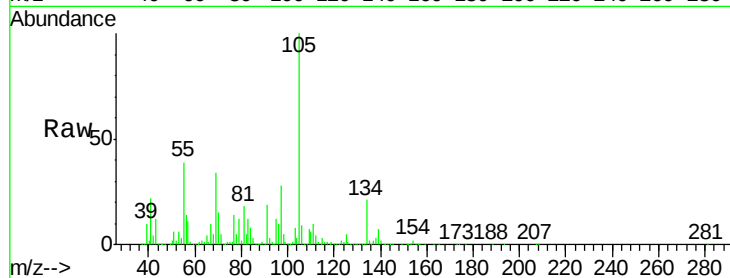
105 100

134 27.7 10.2 30.6

Manual Integrations  
APPROVED

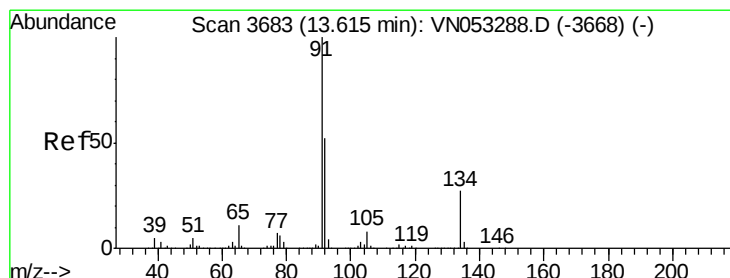
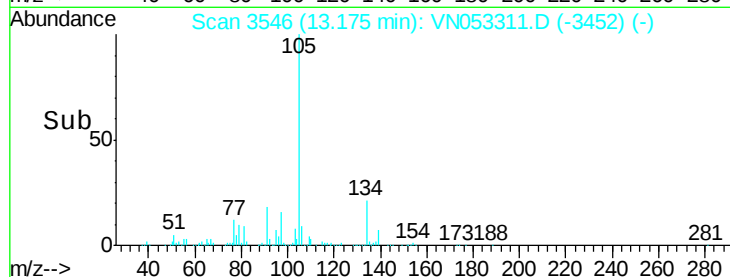
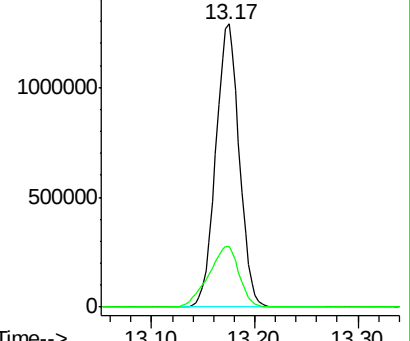
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1/9/2019 10:57:41 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 38.755 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053311.D

Acq: 8 Jan 2019 11:57

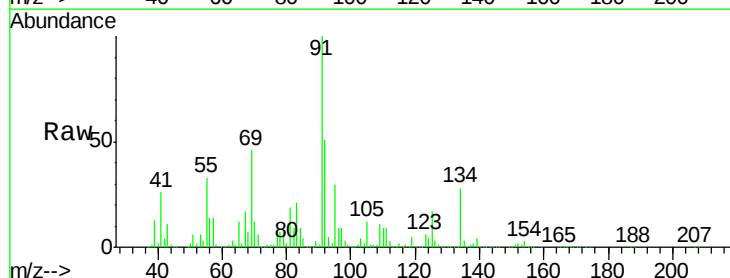
Tgt Ion: 91 Resp: 1265533

Ion Ratio Lower Upper

91 100

92 49.1 26.3 78.8

134 44.2 13.5 40.5#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

