

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\  
 Data File : VN059359.D  
 Acq On : 22 Nov 2019 13:13  
 Operator : JC/SP  
 Sample : K5957-01ME 10X  
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-1-(12-14)ME

Quant Time: Nov 22 13:57:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112019W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 08:44:45 2019  
 Response via : Initial Calibration

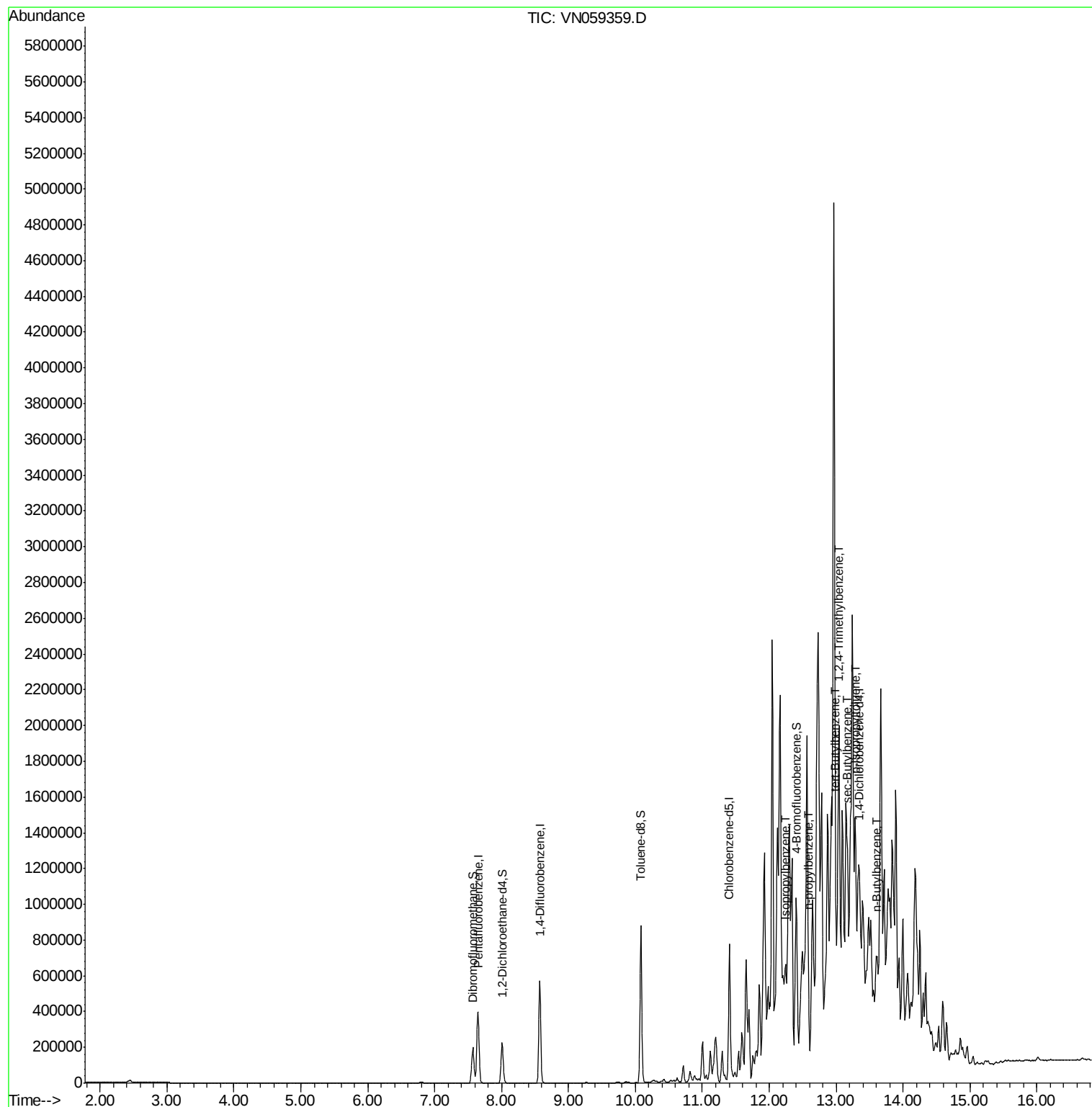
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.65   | 168  | 333646   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57   | 114  | 514168   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 448348   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35  | 152  | 194529   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01   | 65   | 192915   | 48.19  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 96.38%  |          |
| 35) Dibromofluoromethane    | 7.57   | 113  | 153729   | 49.84  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 99.68%  |          |
| 50) Toluene-d8              | 10.08  | 98   | 618631   | 50.45  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 100.90% |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 234301   | 54.64  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 109.28% |          |
| Target Compounds            |        |      |          |        |         |          |
|                             |        |      |          |        | Qvalue  |          |
| 73) Isopropylbenzene        | 12.25  | 105  | 47971    | 3.010  | ug/l    | 100      |
| 78) n-propylbenzene         | 12.59  | 91   | 69044    | 3.825  | ug/l    | 100      |
| 83) tert-Butylbenzene       | 13.00  | 119  | 34163    | 3.020  | ug/l    | 91       |
| 84) 1,2,4-Trimethylbenzene  | 13.04  | 105  | 581742   | 44.332 | ug/l    | 100      |
| 85) sec-Butylbenzene        | 13.17  | 105  | 137401   | 9.036  | ug/l #  | 71       |
| 86) p-Isopropyltoluene      | 13.29  | 119  | 20633    | 1.525  | ug/l    | 96       |
| 89) n-Butylbenzene          | 13.62  | 91   | 123178   | 10.377 | ug/l #  | 81       |

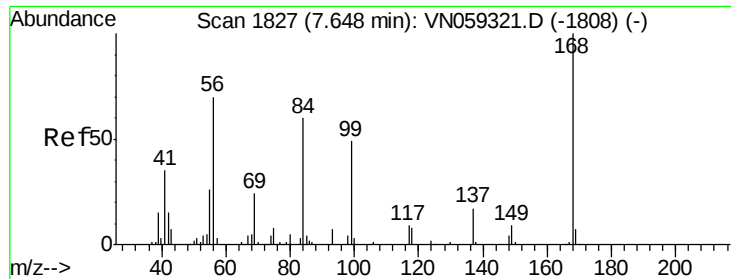
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN112219\  
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MW-1-(12-14)ME

Quant Time: Nov 22 13:57:46 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N112019W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 21 08:44:45 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059359.D

Acq: 22 Nov 2019 13:13

Instrument :

MSVOA\_N

ClientSampleId :

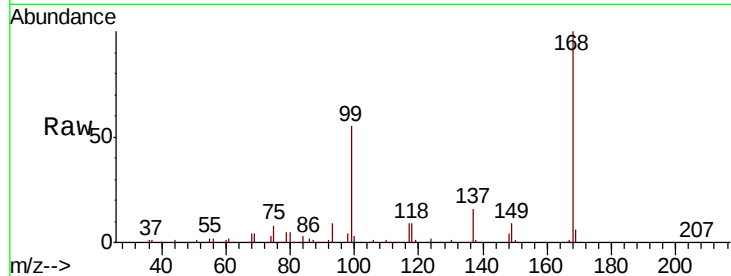
MW-1-(12-14)ME

Tot Ion:168 Resp: 333646

Ion Ratio Lower Upper

168 100

99 54.8 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059359.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN059359.D (-1734) (-)

7.65

150000

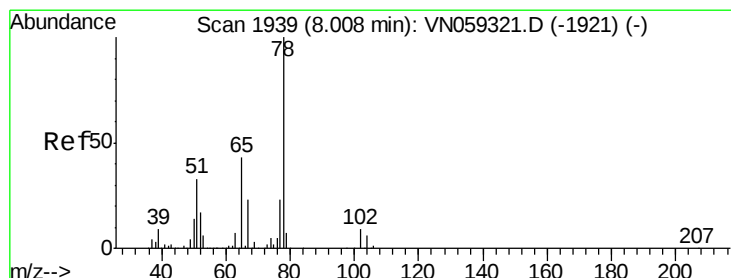
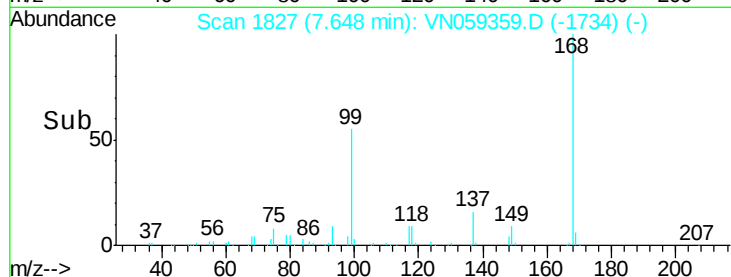
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.190 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059359.D

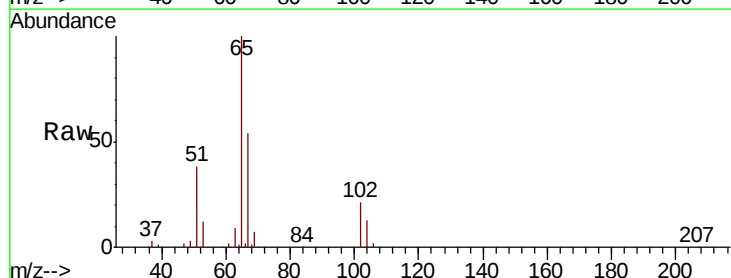
Acq: 22 Nov 2019 13:13

Tgt Ion: 65 Resp: 192915

Ion Ratio Lower Upper

65 100

67 55.0 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VN059359.D (-1846) (-)

Ion 66.90 (66.60 to 67.60): VN059359.D (-1846) (-)

8.01

80000

60000

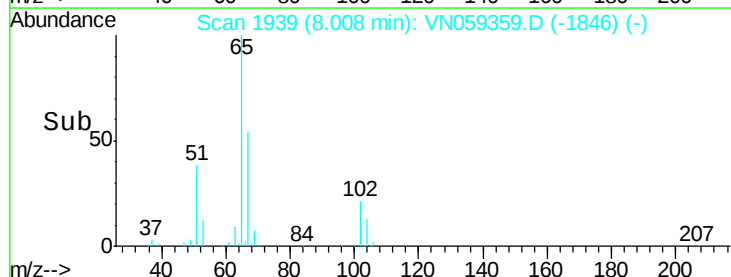
40000

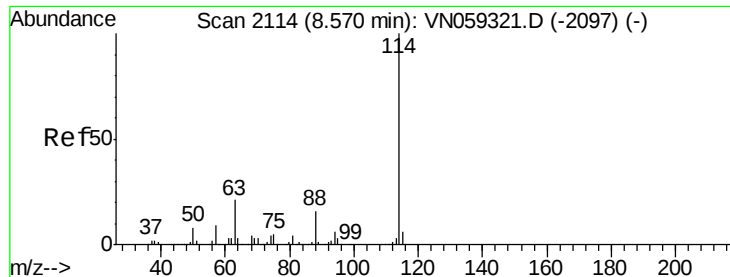
20000

0

7.90 8.00 8.10

Time-->

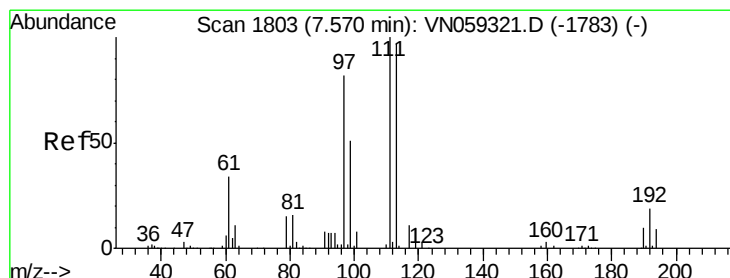
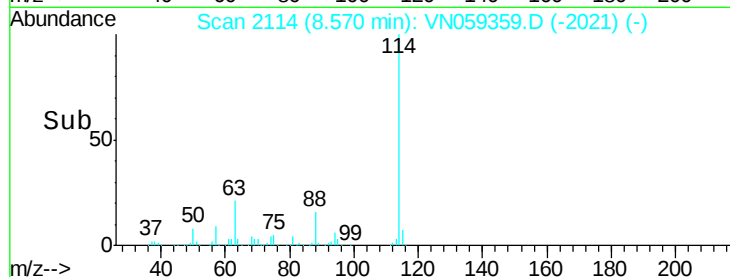
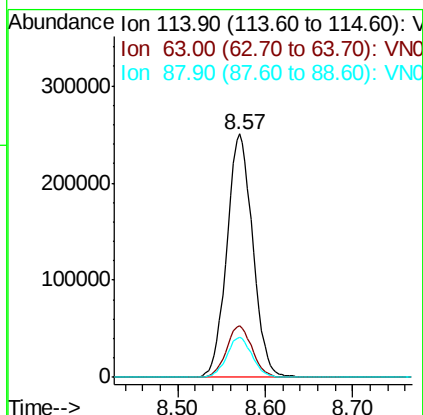
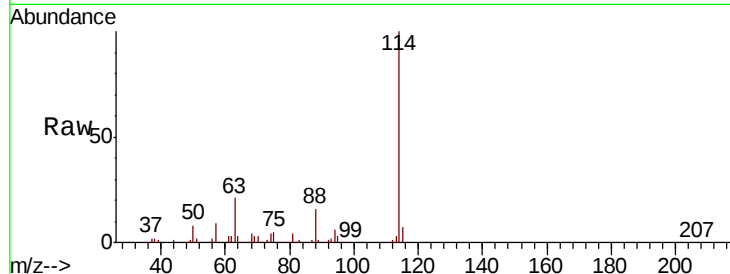




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VN059359.D  
 Acq: 22 Nov 2019 13:13

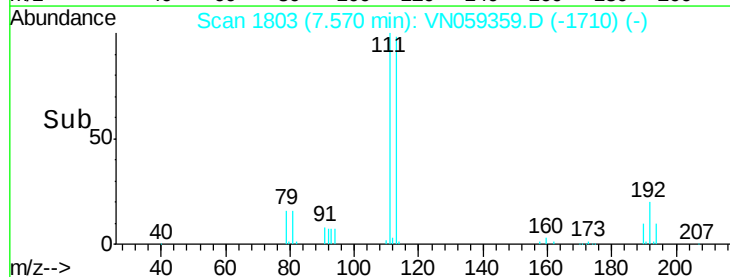
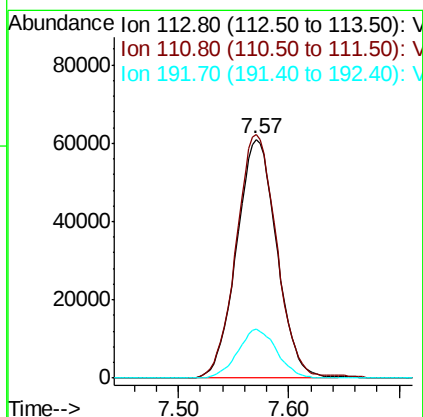
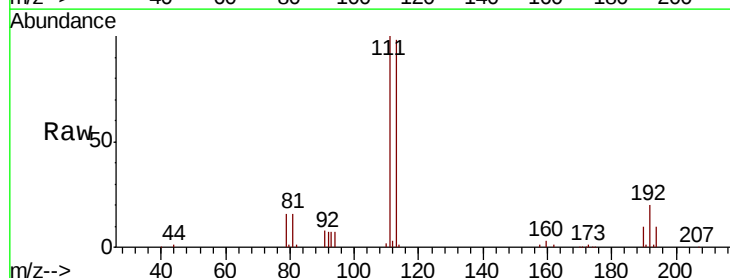
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-1-(12-14)ME

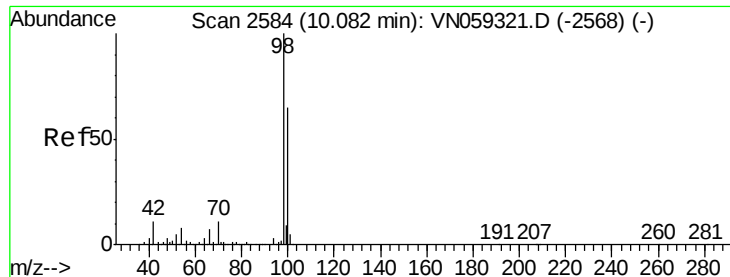
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.1  | 0.0   | 42.2  |
| 88      | 16.4  | 0.0   | 32.2  |



#35  
 Dibromofluoromethane  
 Concen: 49.836 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VN059359.D  
 Acq: 22 Nov 2019 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 82.7  | 124.1 |
| 192     | 19.9  | 16.3  | 24.5  |





#50

Toluene-d8

Concen: 50.446 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059359.D

Acq: 22 Nov 2019 13:13

Instrument :

MSVOA\_N

ClientSampleId :

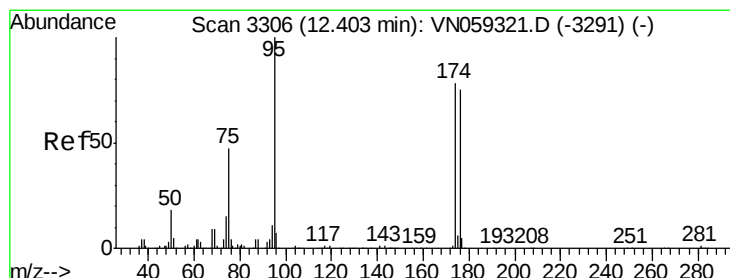
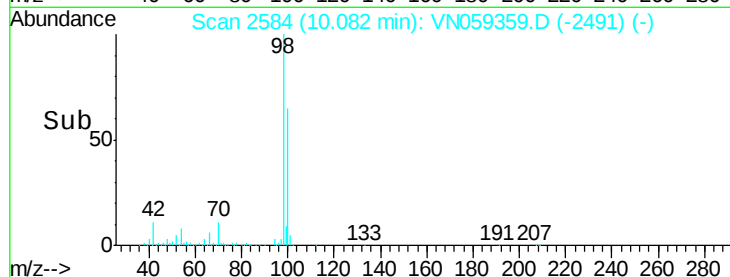
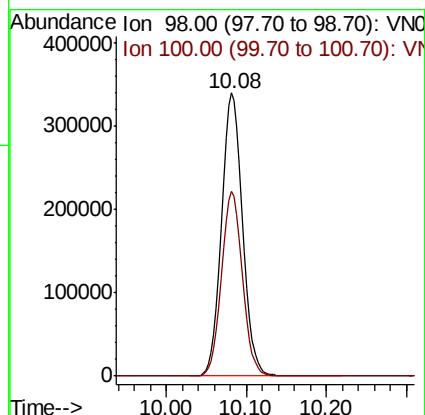
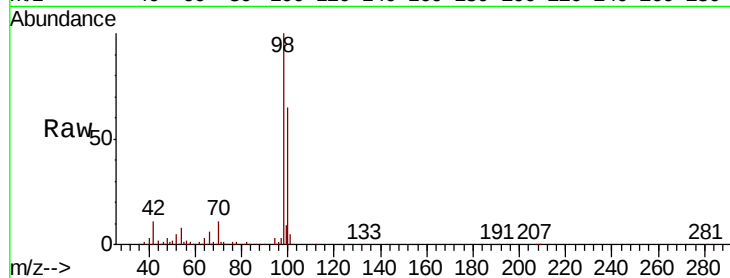
MW-1-(12-14)ME

Tot Ion: 98 Resp: 618631

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 54.643 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059359.D

Acq: 22 Nov 2019 13:13

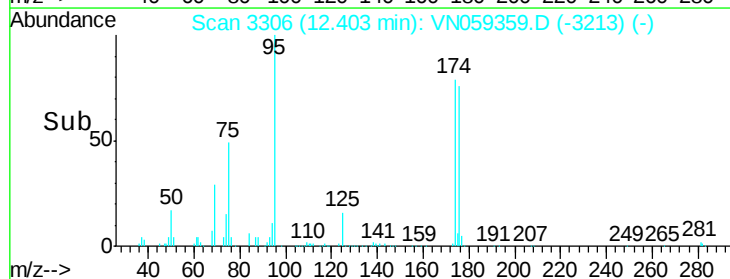
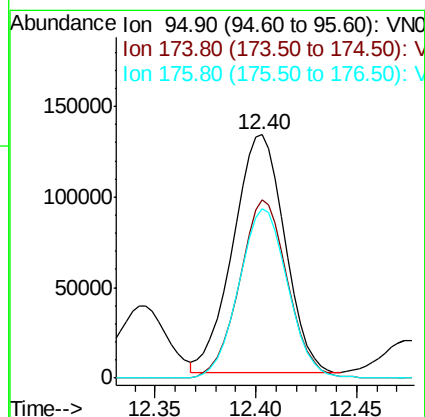
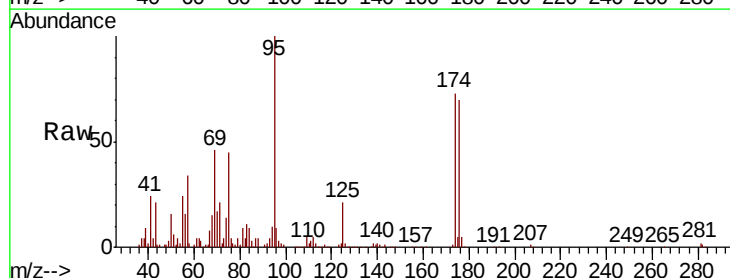
Tgt Ion: 95 Resp: 234301

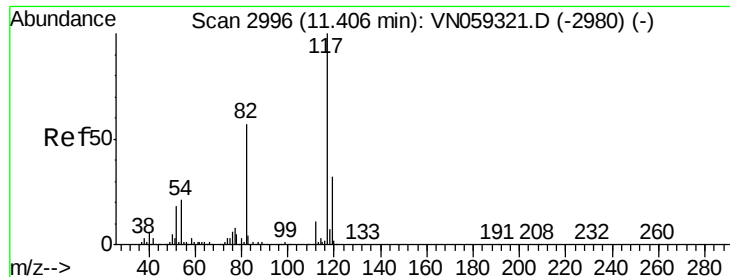
Ion Ratio Lower Upper

95 100

174 70.4 0.0 157.4

176 68.0 0.0 151.2

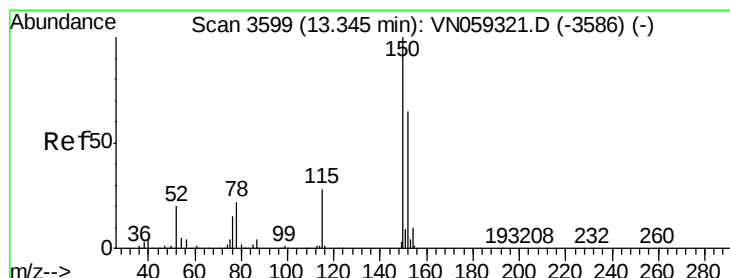
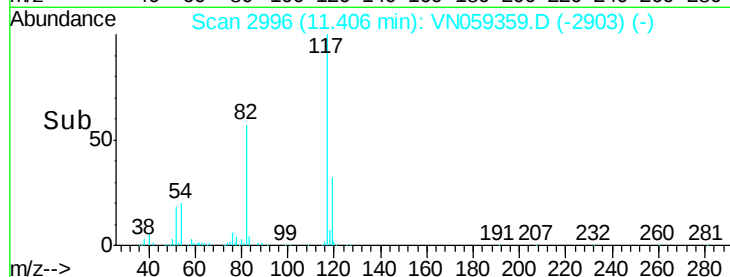
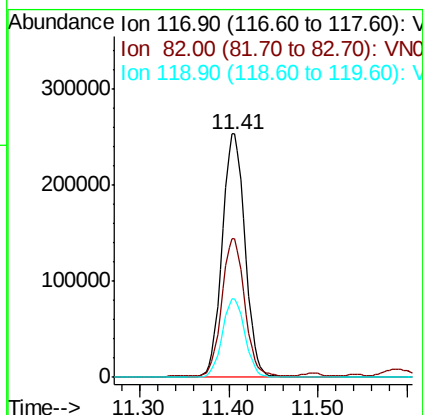
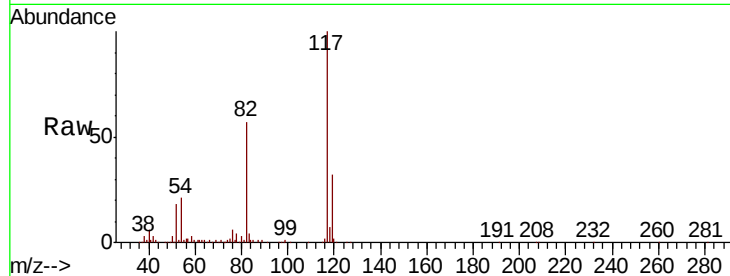




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN059359.D  
Acq: 22 Nov 2019 13:13

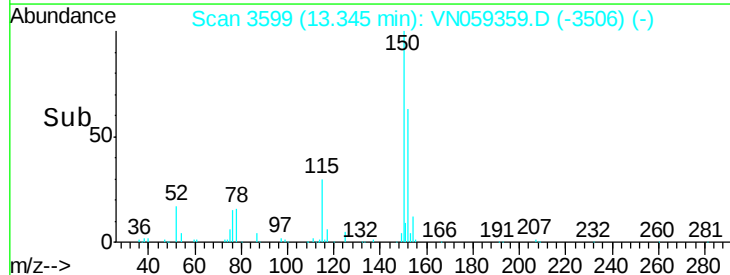
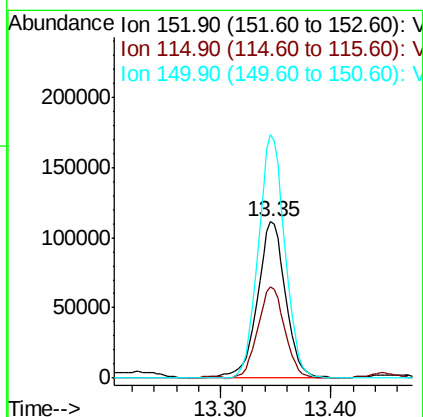
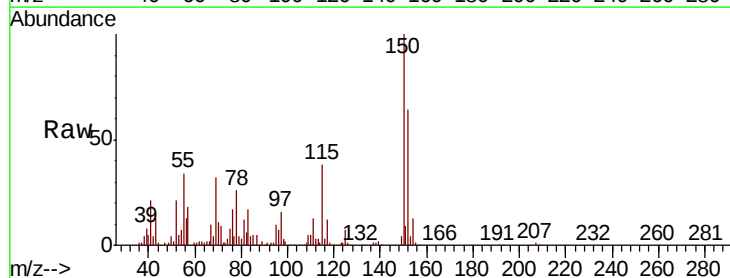
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1-(12-14)ME

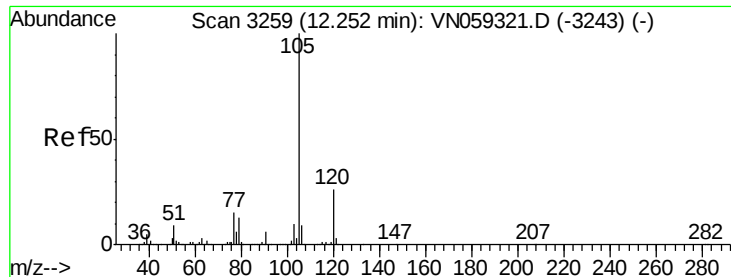
Tot Ion:117 Resp: 448348  
Ion Ratio Lower Upper  
117 100  
82 56.2 45.7 68.5  
119 32.1 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN059359.D  
Acq: 22 Nov 2019 13:13

Tgt Ion:152 Resp: 194529  
Ion Ratio Lower Upper  
152 100  
115 55.8 29.3 88.0  
150 148.4 0.0 346.0





#73

Isopropylbenzene

Concen: 3.010 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059359.D

Acq: 22 Nov 2019 13:13

Instrument :

MSVOA\_N

ClientSampleId :

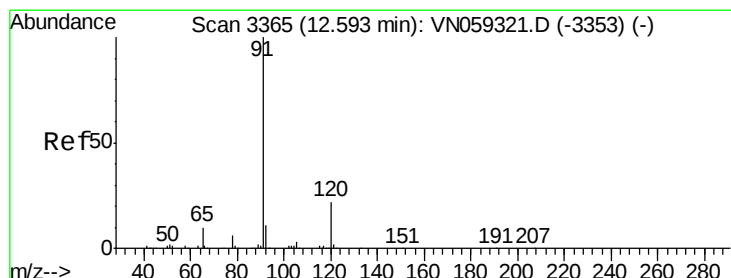
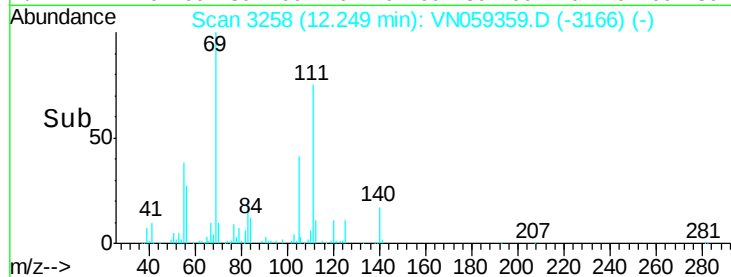
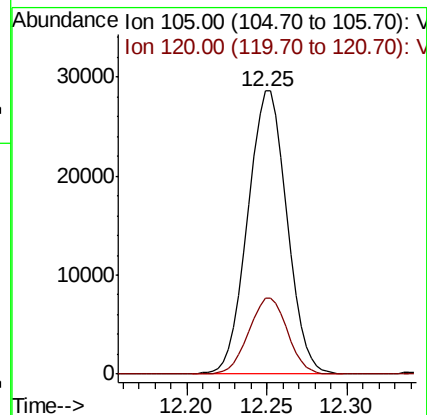
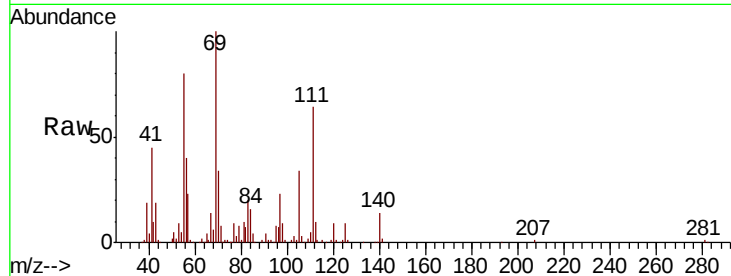
MW-1-(12-14)ME

Tot Ion: 105 Resp: 47971

Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3



#78

n-propylbenzene

Concen: 3.825 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059359.D

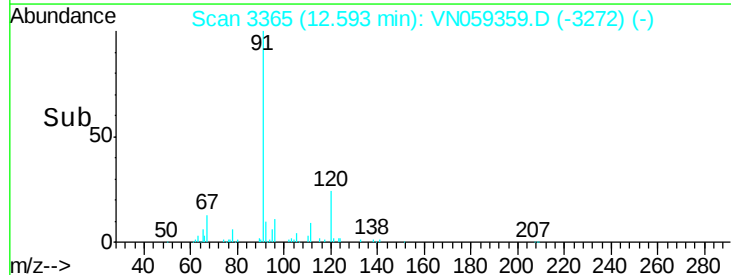
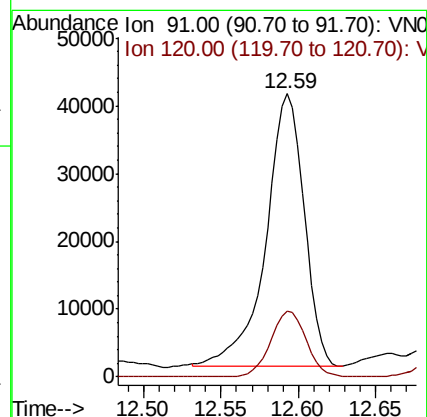
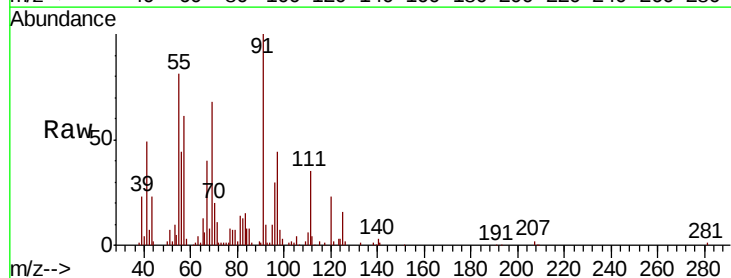
Acq: 22 Nov 2019 13:13

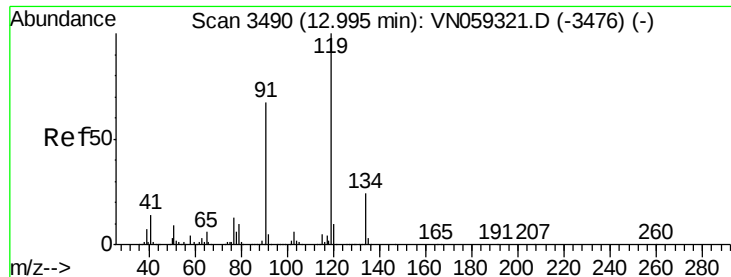
Tgt Ion: 91 Resp: 69044

Ion Ratio Lower Upper

91 100

120 22.5 11.3 33.9





#83

tert-Butylbenzene

Concen: 3.020 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN059359.D

Acq: 22 Nov 2019 13:13

Instrument :

MSVOA\_N

ClientSampleId :

MW-1-(12-14)ME

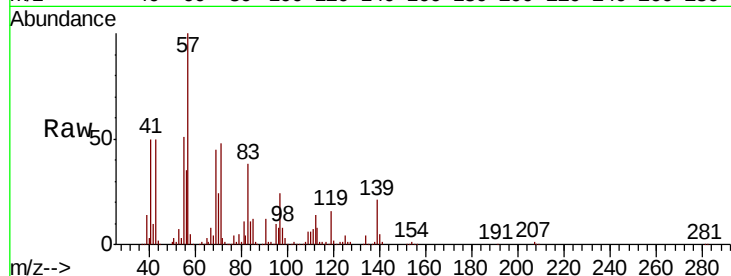
Tot Ion:119 Resp: 34163

Ion Ratio Lower Upper

119 100

91 73.9 32.8 98.4

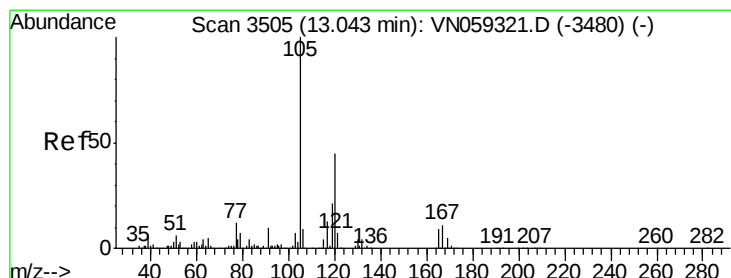
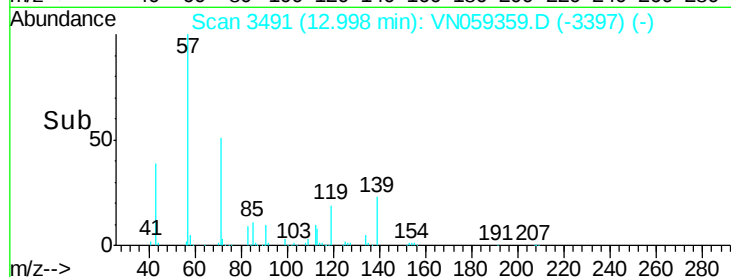
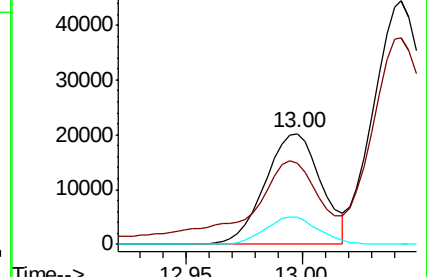
134 23.3 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 44.332 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059359.D

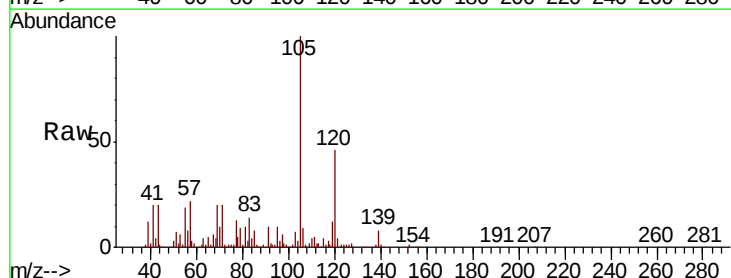
Acq: 22 Nov 2019 13:13

Tgt Ion:105 Resp: 581742

Ion Ratio Lower Upper

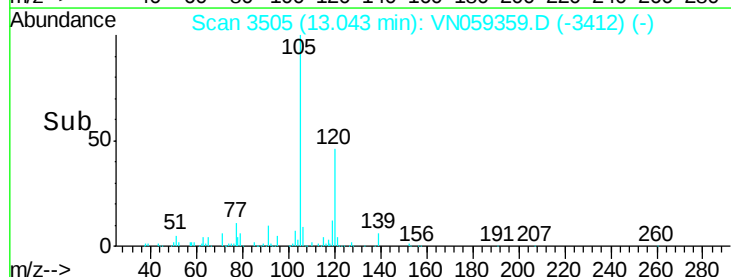
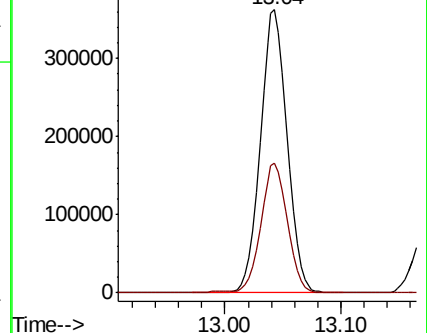
105 100

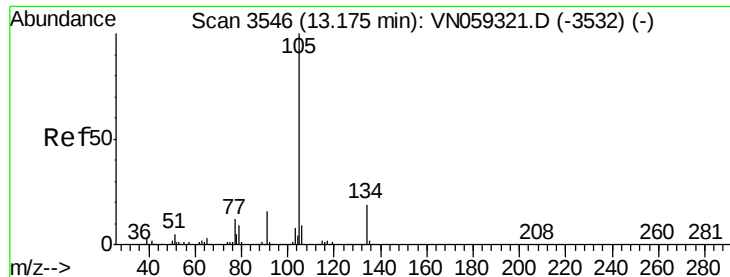
120 45.2 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 9.036 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059359.D

Acq: 22 Nov 2019 13:13

Instrument :

MSVOA\_N

ClientSampleId :

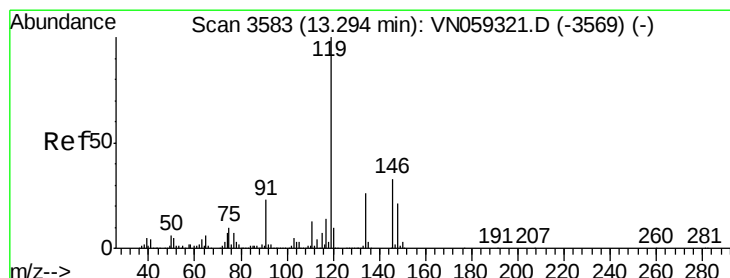
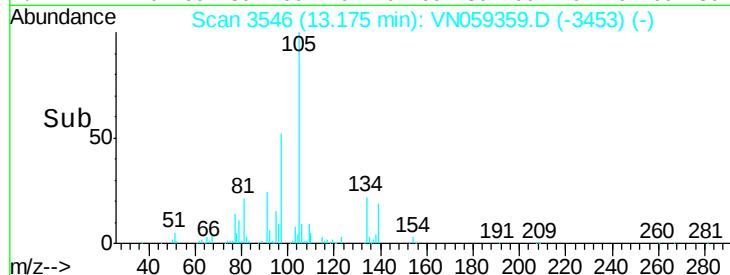
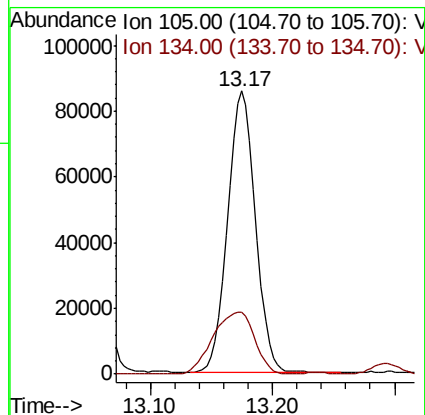
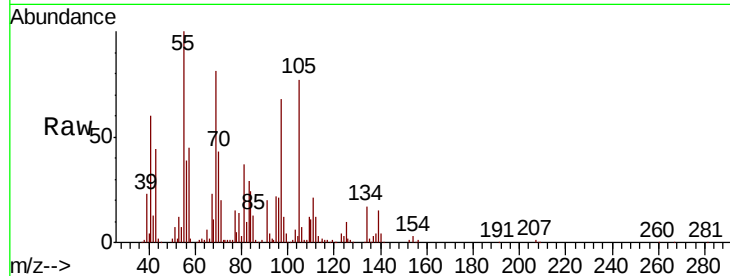
MW-1-(12-14)ME

Tot Ion:105 Resp: 137401

Ion Ratio Lower Upper

105 100

134 32.9 9.8 29.3#



#86

p-Isopropyltoluene

Concen: 1.525 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059359.D

Acq: 22 Nov 2019 13:13

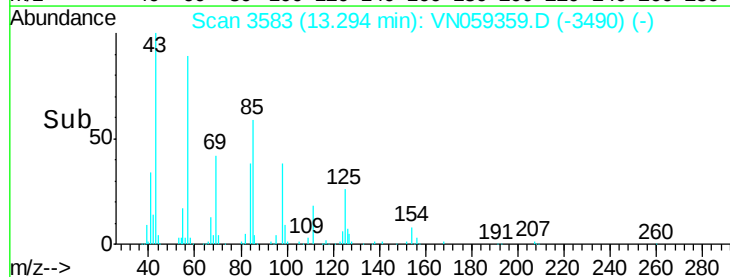
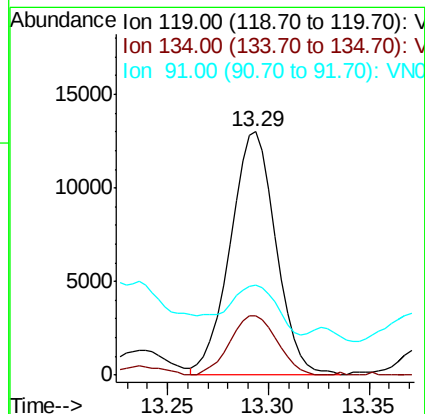
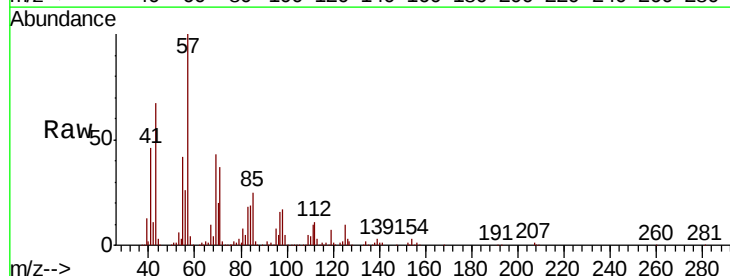
Tgt Ion:119 Resp: 20633

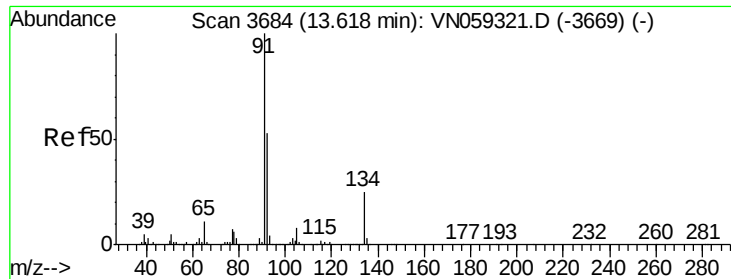
Ion Ratio Lower Upper

119 100

134 25.3 13.0 38.9

91 19.4 11.6 34.7





#89

n-Butylbenzene

Concen: 10.377 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059359.D

Acq: 22 Nov 2019 13:13

Instrument :

MSVOA\_N

ClientSampleId :

MW-1-(12-14)ME

Tot Ion: 91 Resp: 123178

Ion Ratio Lower Upper

91 100

92 49.4 26.0 78.0

134 50.4 12.7 38.1#

