

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\  
 Data File : VN053678.D  
 Acq On : 8 Feb 2019 13:44  
 Operator : JC/SP  
 Sample : K1390-01ME  
 Misc : 5.63g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB-01(12-13)ME

Quant Time: Feb 09 03:53:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 01 09:11:52 2019  
 Response via : Initial Calibration

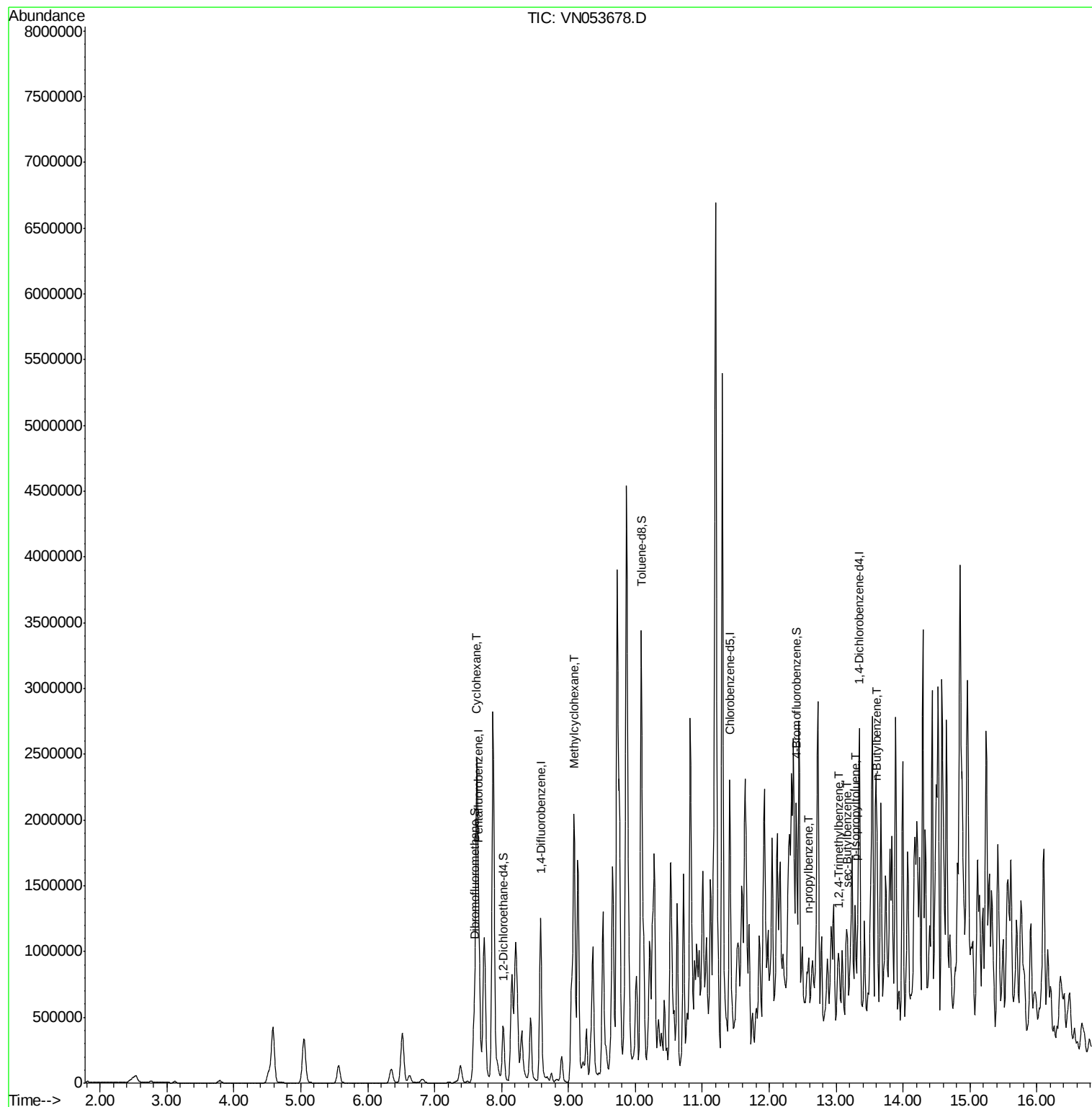
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 728115   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 1118273  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1055674  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 526435   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 347176   | 47.53  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.06%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 335885   | 47.54  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.08%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1490323  | 56.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.34% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 528117   | 59.68  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 119.36% |          |
| Target Compounds            |       |      |          |        |         |          |
| 31) Cyclohexane             | 7.63  | 56   | 477927   | 38.651 | ug/l #  | 45       |
| 39) Methylcyclohexane       | 9.08  | 83   | 558467   | 46.696 | ug/l #  | 88       |
| 78) n-propylbenzene         | 12.59 | 91   | 242658   | 5.672  | ug/l    | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.04 | 105  | 149988   | 4.797  | ug/l    | 100      |
| 85) sec-Butylbenzene        | 13.17 | 105  | 248797   | 6.741  | ug/l #  | 47       |
| 86) p-Isopropyltoluene      | 13.29 | 119  | 104417   | 3.235  | ug/l    | 98       |
| 89) n-Butylbenzene          | 13.62 | 91   | 757505   | 27.111 | ug/l #  | 77       |

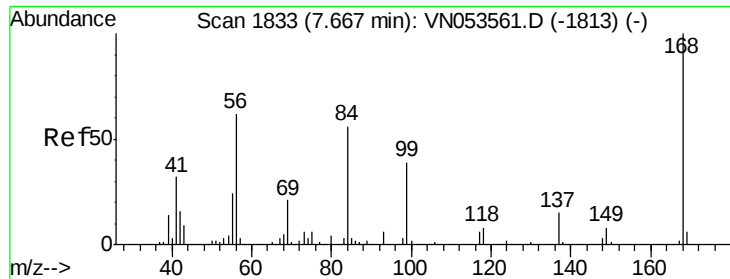
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN020819\  
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Sample : K1390-01ME  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SB-01(12-13)ME

Quant Time: Feb 09 03:53:55 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 01 09:11:52 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: VN053678.D

Acq: 8 Feb 2019 13:44

Instrument :

MSVOA\_N

ClientSampleId :

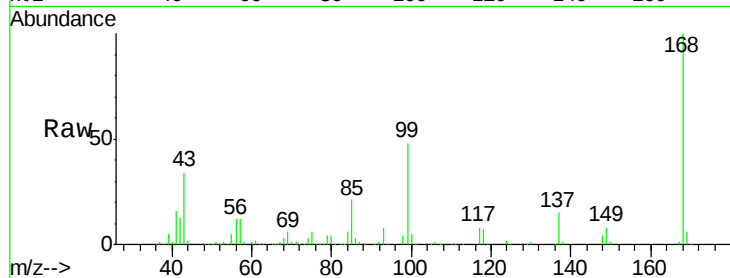
SB-01(12-13)ME

Tot Ion:168 Resp: 728115

Ion Ratio Lower Upper

168 100

99 47.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

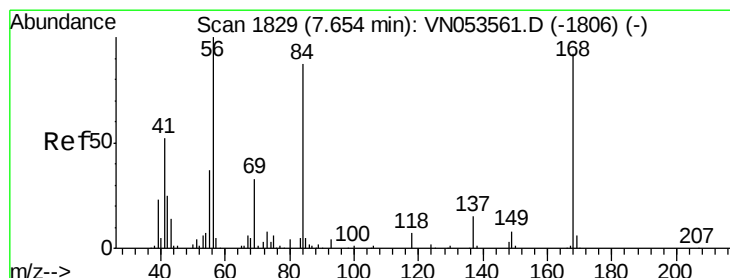
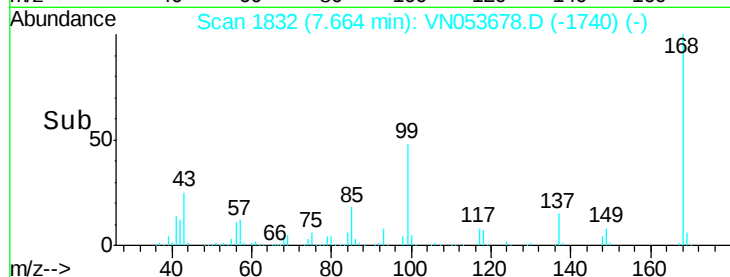
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#31

Cyclohexane

Concen: 38.651 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.02 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

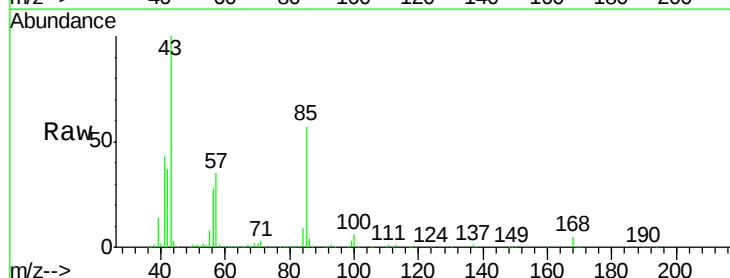
Tgt Ion: 56 Resp: 477927

Ion Ratio Lower Upper

56 100

69 6.2 26.4 39.6#

84 31.8 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

7.63

300000

250000

200000

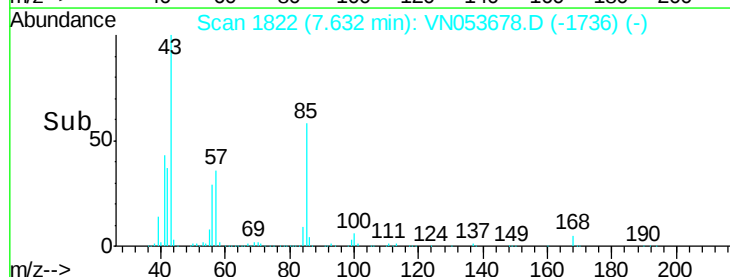
150000

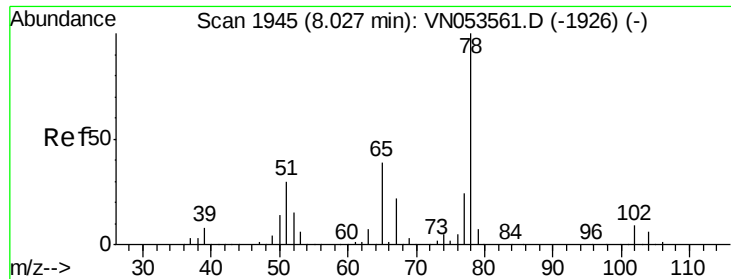
100000

50000

0

Time--> 7.55 7.60 7.65 7.70





#33

1,2-Dichloroethane-d4

Concen: 47.530 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

Instrument :

MSVOA\_N

ClientSampleId :

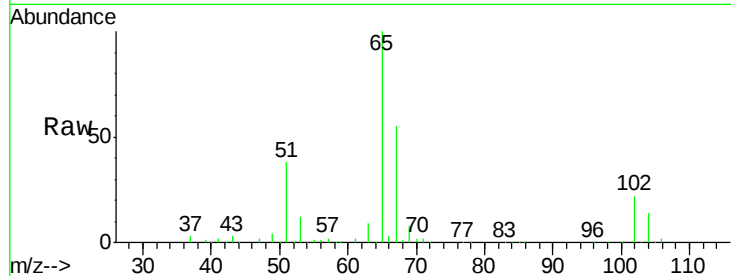
SB-01(12-13)ME

Tot Ion: 65 Resp: 347176

Ion Ratio Lower Upper

65 100

67 54.4 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053561.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN053561.D (-1926) (-)

8.02

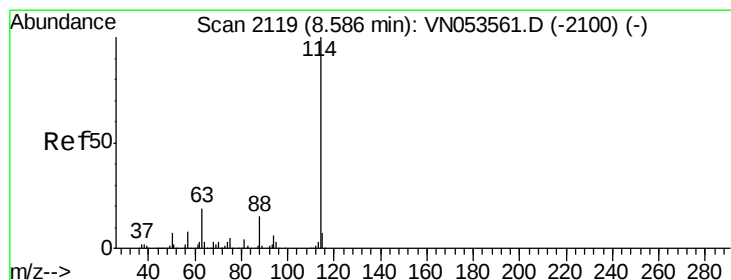
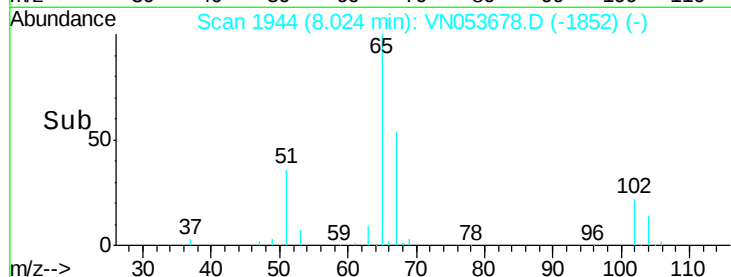
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

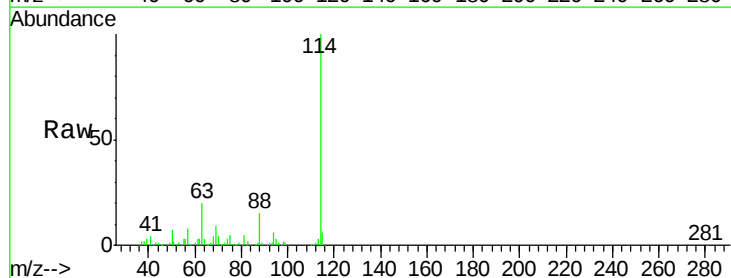
Tgt Ion: 114 Resp: 1118273

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053561.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053561.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053561.D (-2100) (-)

8.58

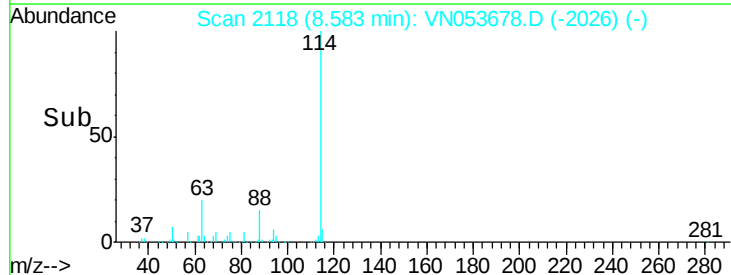
600000

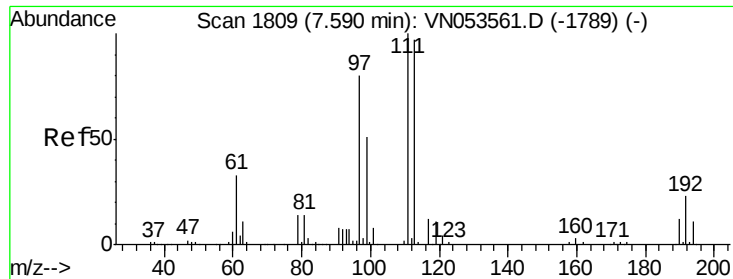
400000

200000

0

Time-->

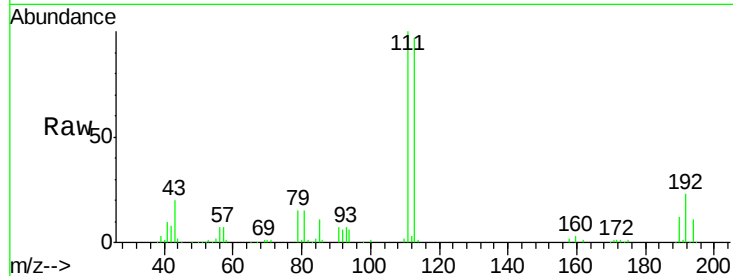




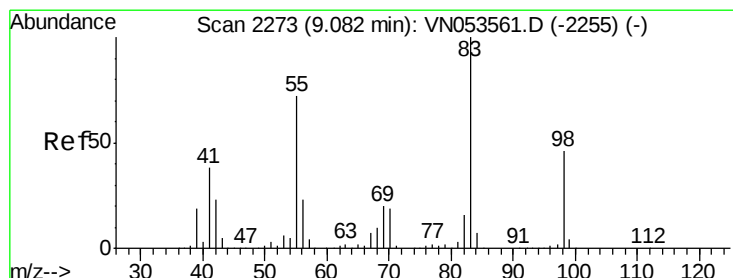
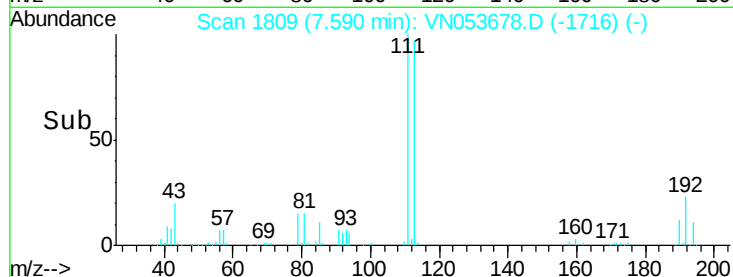
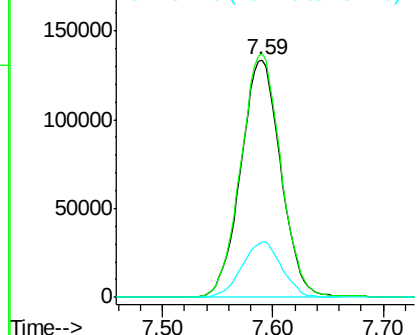
#35  
Dibromofluoromethane  
Concen: 47.535 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. 0.00 min  
Lab File: VN053678.D  
Acq: 8 Feb 2019 13:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
SB-01(12-13)ME

Tot Ion:113 Resp: 335885  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.1 121.7  
192 23.4 18.2 27.2

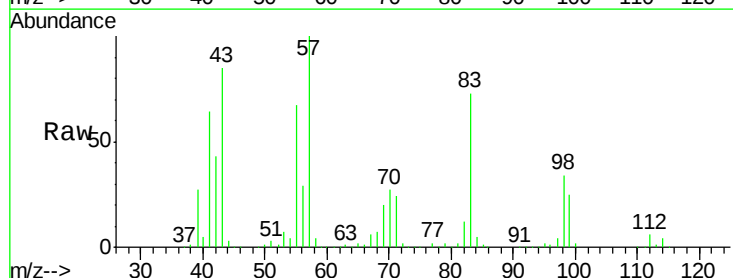


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

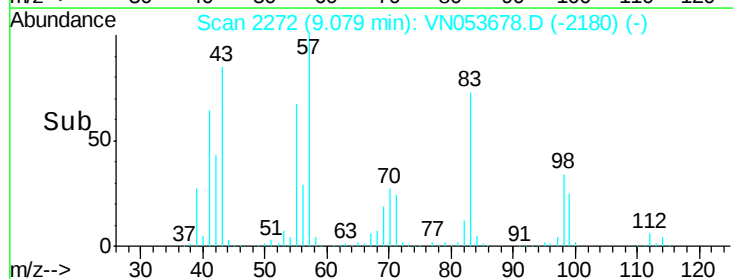
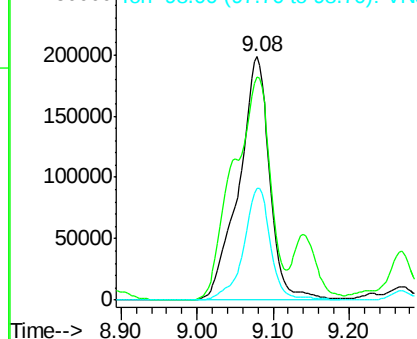


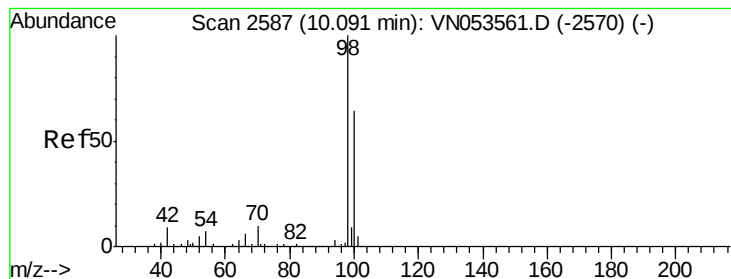
#39  
Methylcyclohexane  
Concen: 46.696 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VN053678.D  
Acq: 8 Feb 2019 13:44

Tgt Ion: 83 Resp: 558467  
Ion Ratio Lower Upper  
83 100  
55 91.7 60.1 90.1#  
98 46.1 36.6 55.0



Abundance Ion 83.00 (82.70 to 83.70): VNO  
Ion 55.00 (54.70 to 55.70): VNO  
Ion 98.00 (97.70 to 98.70): VNO





#50

Toluene-d8

Concen: 56.172 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

Instrument :

MSVOA\_N

ClientSampleId :

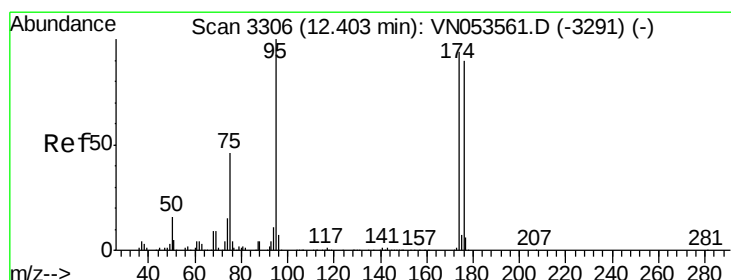
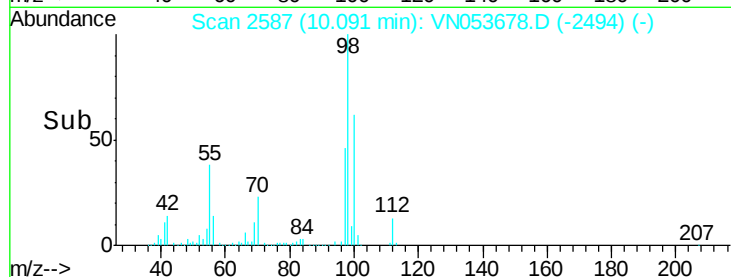
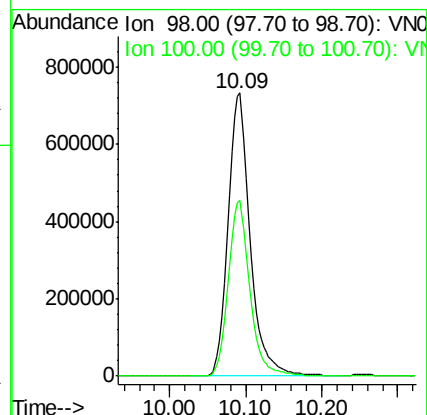
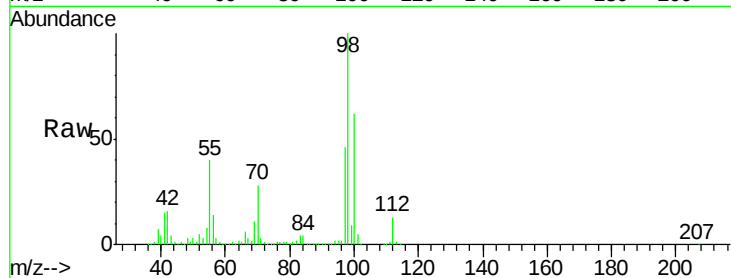
SB-01(12-13)ME

Tot Ion: 98 Resp: 1490323

Ion Ratio Lower Upper

98 100

100 60.7 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 59.683 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

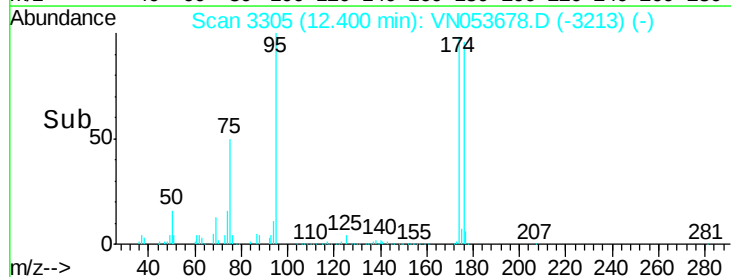
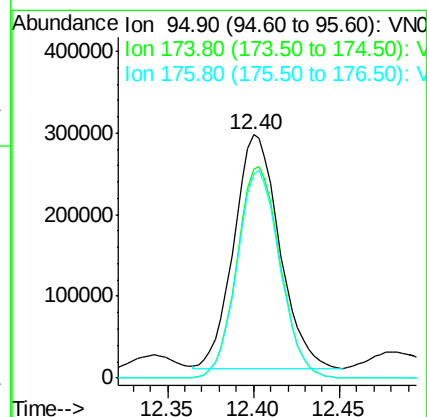
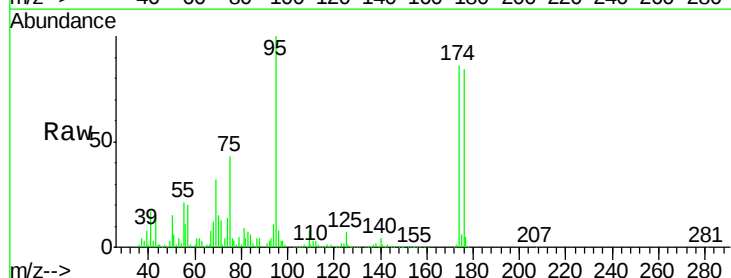
Tgt Ion: 95 Resp: 528117

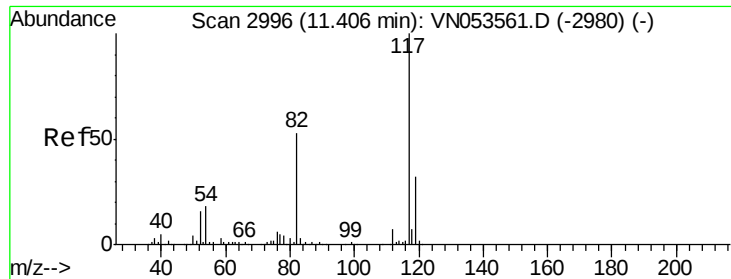
Ion Ratio Lower Upper

95 100

174 86.0 0.0 183.2

176 83.8 0.0 177.4

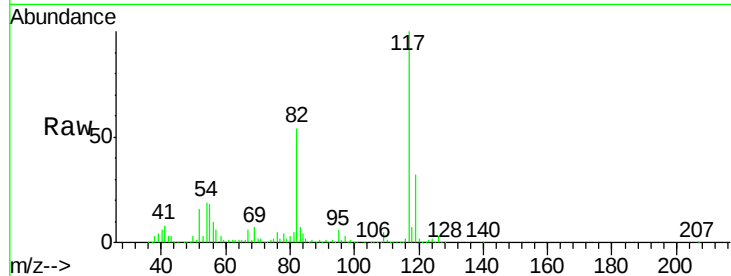




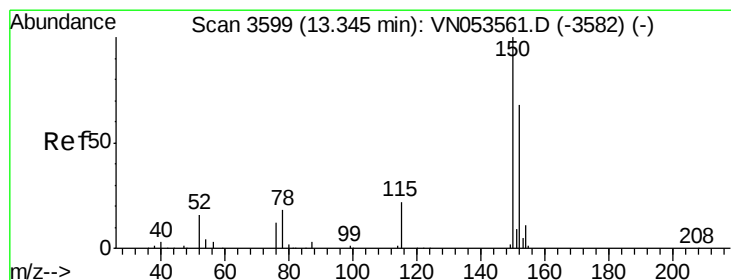
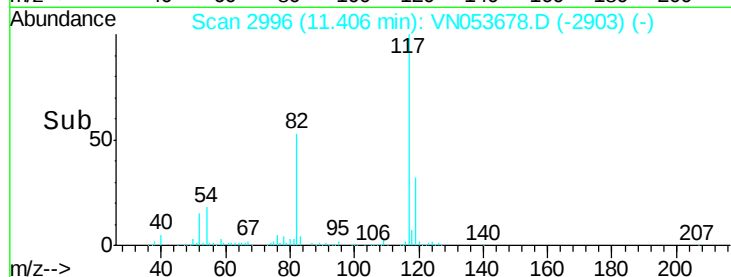
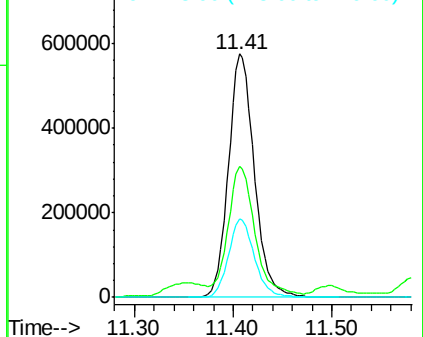
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053678.D  
Acq: 8 Feb 2019 13:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
SB-01(12-13)ME

Tot Ion:117 Resp: 1055674  
Ion Ratio Lower Upper  
117 100  
82 50.1 42.9 64.3  
119 32.1 26.0 39.0

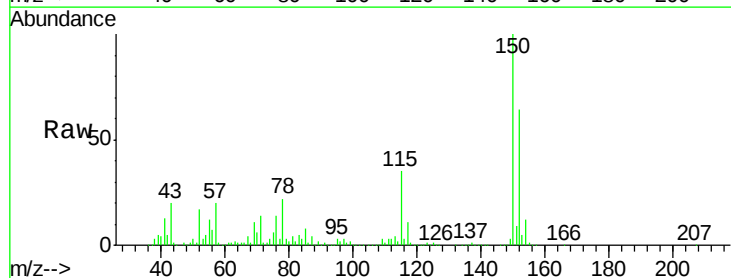


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

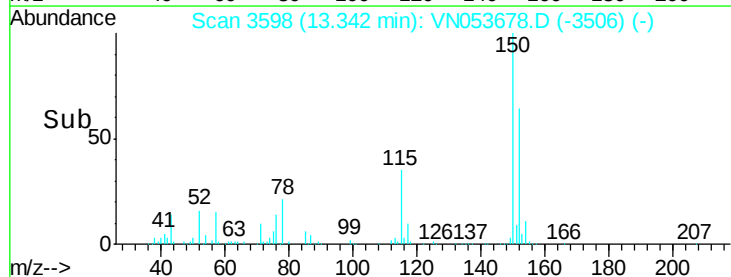
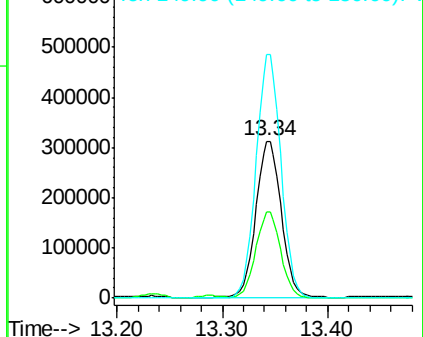


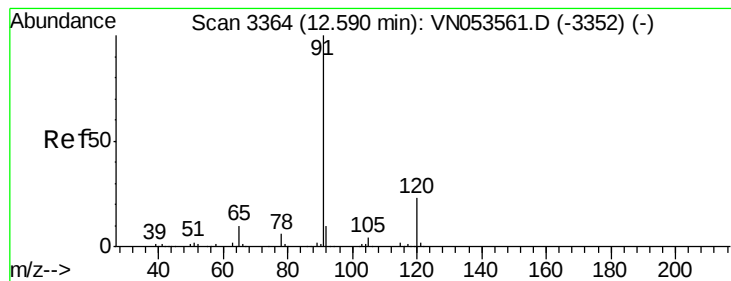
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN053678.D  
Acq: 8 Feb 2019 13:44

Tgt Ion:152 Resp: 526435  
Ion Ratio Lower Upper  
152 100  
115 53.7 27.8 83.4  
150 151.6 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#78

n-propylbenzene

Concen: 5.672 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

Instrument :

MSVOA\_N

ClientSampleId :

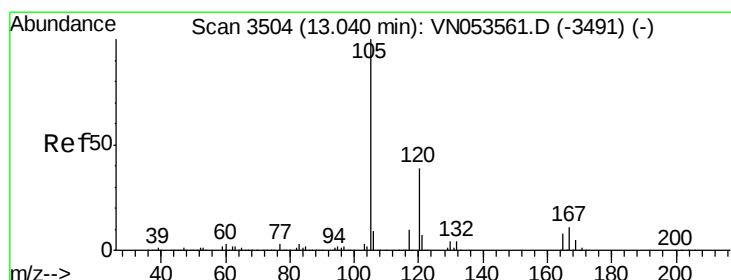
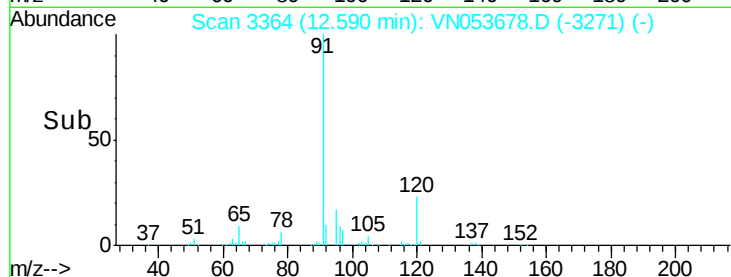
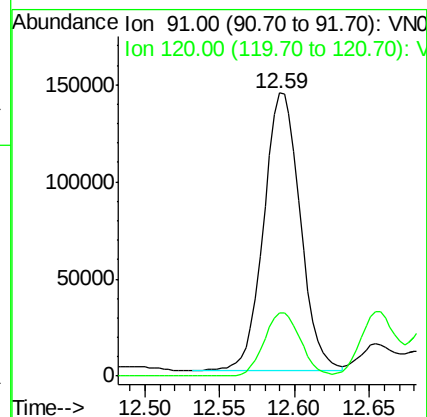
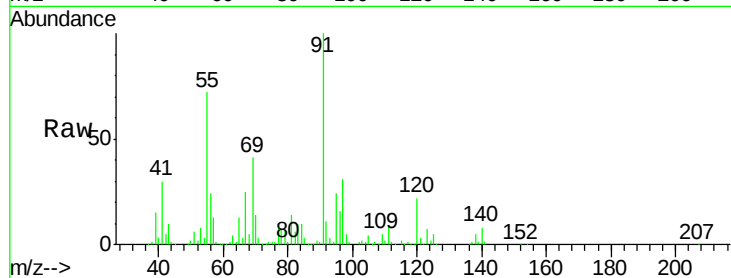
SB-01(12-13)ME

Tot Ion: 91 Resp: 242658

Ion Ratio Lower Upper

91 100

120 22.8 11.9 35.5



#84

1,2,4-Trimethylbenzene

Concen: 4.797 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053678.D

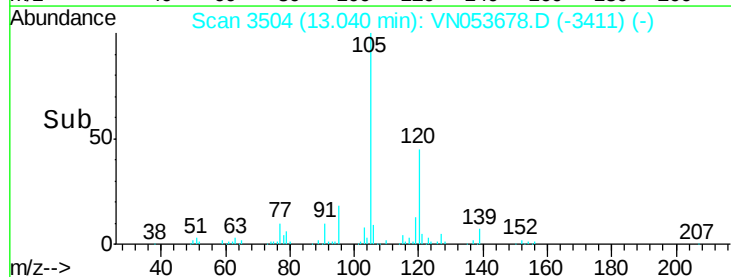
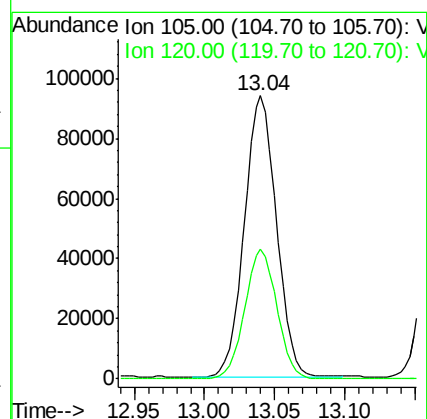
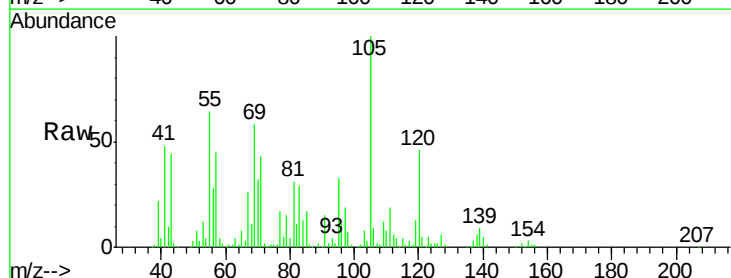
Acq: 8 Feb 2019 13:44

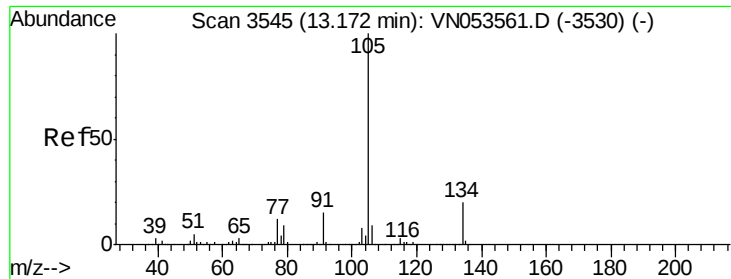
Tgt Ion: 105 Resp: 149988

Ion Ratio Lower Upper

105 100

120 45.8 23.0 69.0





#85

sec-Butylbenzene

Concen: 6.741 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

Instrument :

MSVOA\_N

ClientSampled :

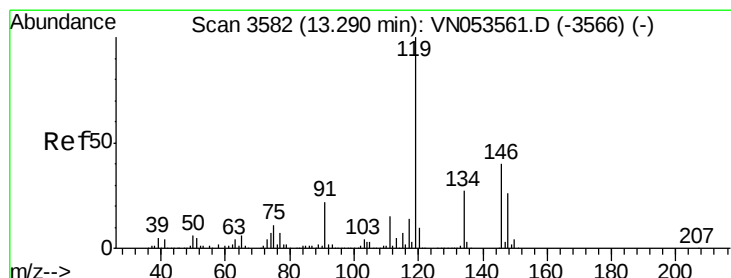
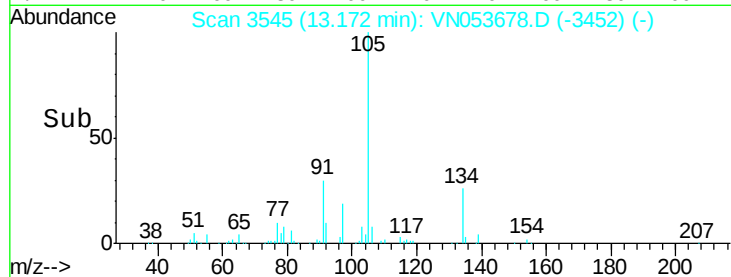
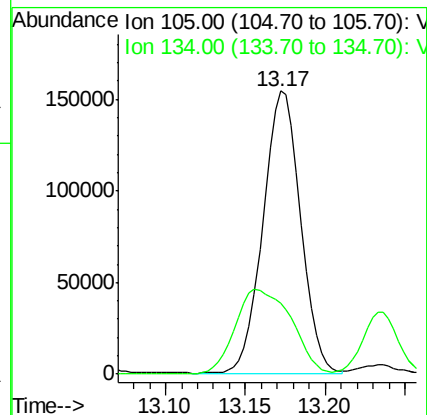
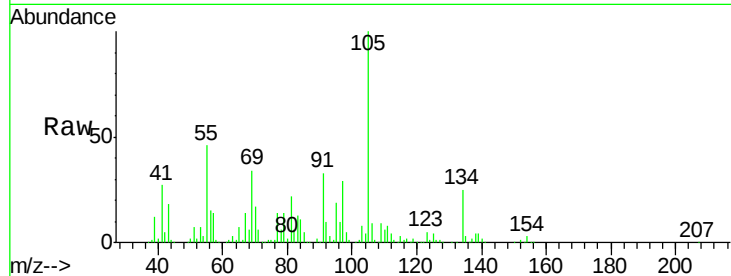
SB-01(12-13)ME

Tot Ion:105 Resp: 248797

Ion Ratio Lower Upper

105 100

134 44.9 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 3.235 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

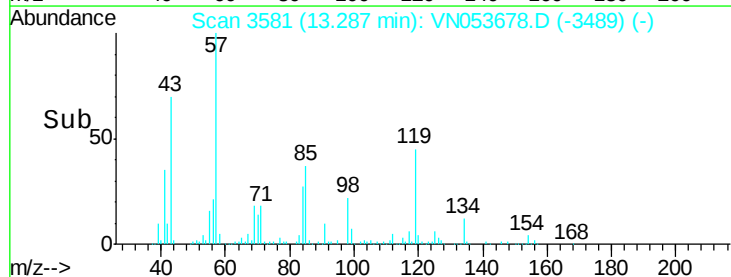
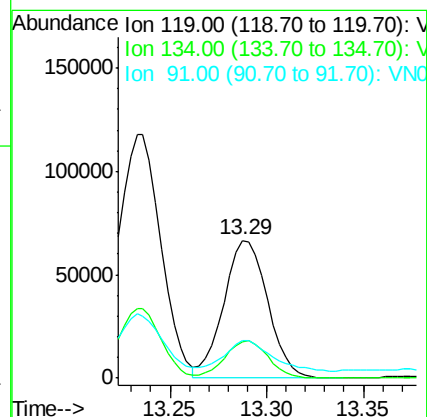
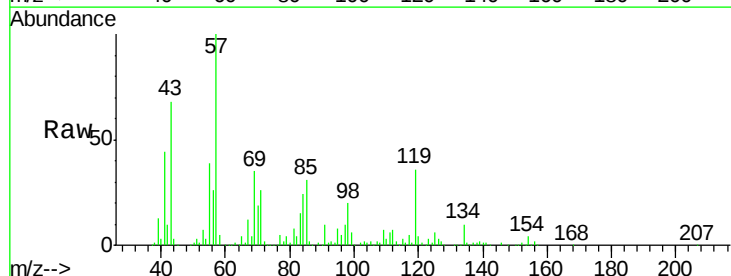
Tgt Ion:119 Resp: 104417

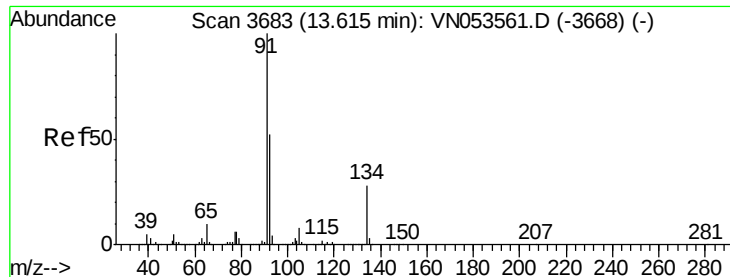
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

91 23.1 11.0 33.0





#89

n-Butylbenzene

Concen: 27.111 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

Instrument :

MSVOA\_N

ClientSampleId :

SB-01(12-13)ME

Tot Ion: 91 Resp: 757505

Ion Ratio Lower Upper

91 100

92 47.3 26.3 78.8

134 0.0 13.5 40.5#

