

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011620\  
 Data File : VN059726.D  
 Acq On : 16 Jan 2020 12:58  
 Operator : JC/MD  
 Sample : L1123-07ME  
 Misc : 5.10g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB-04-2.5-3.0ME

Quant Time: Jan 21 05:07:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 18 03:09:32 2020  
 Response via : Initial Calibration

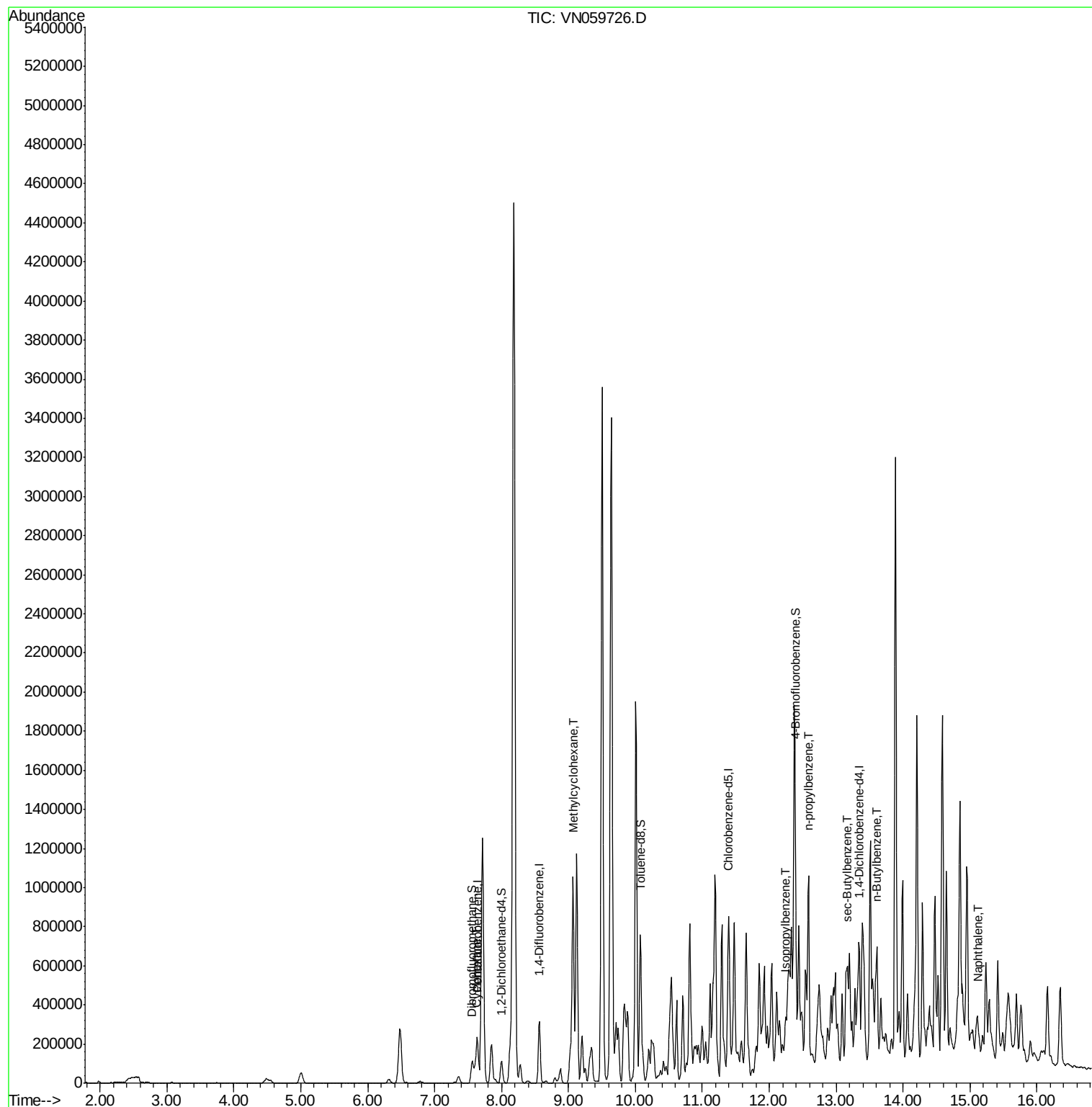
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 189039   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.56  | 114  | 280426   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 248073   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 127030   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 98009    | 46.69  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.38%  |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 84541    | 50.55  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.10% |          |
| 50) Toluene-d8              | 10.08 | 98   | 338077   | 52.18  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.36% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 125117   | 53.57  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.14% |          |
| Target Compounds            |       |      |          |        |         |          |
| 31) Cyclohexane             | 7.61  | 56   | 19781m   | 6.368  | ug/l    |          |
| 39) Methylcyclohexane       | 9.06  | 83   | 98815    | 32.817 | ug/l #  | 53       |
| 73) Isopropylbenzene        | 12.24 | 105  | 140188   | 15.048 | ug/l    | 99       |
| 78) n-propylbenzene         | 12.59 | 91   | 674321   | 64.487 | ug/l    | 98       |
| 85) sec-Butylbenzene        | 13.17 | 105  | 228028   | 25.612 | ug/l #  | 50       |
| 89) n-Butylbenzene          | 13.61 | 91   | 339413   | 48.322 | ug/l #  | 84       |
| 95) Naphthalene             | 15.13 | 128  | 31457    | 4.543  | ug/l #  | 87       |

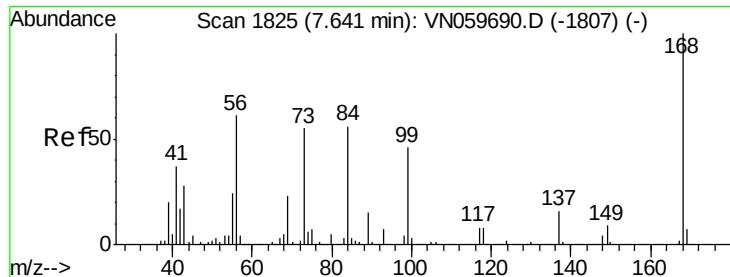
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-04-2.5-3.0ME

Quant Time: Jan 21 05:07:05 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jan 18 03:09:32 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN059726.D

Acq: 16 Jan 2020 12:58

Instrument :

MSVOA\_N

ClientSampleId :

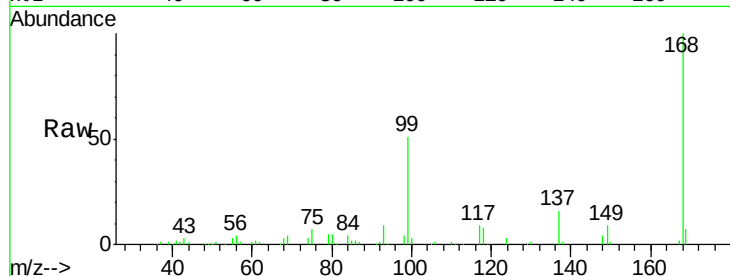
SB-04-2.5-3.0ME

Tot Ion:168 Resp: 189039

Ion Ratio Lower Upper

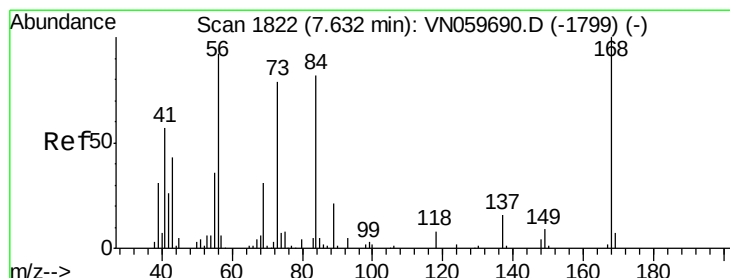
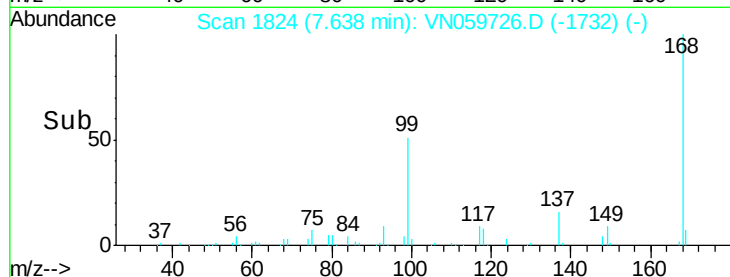
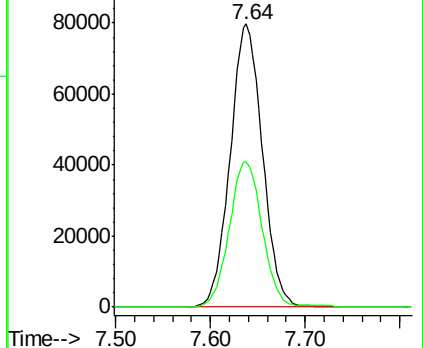
168 100

99 51.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#31

Cyclohexane

Concen: 6.368 ug/l m

RT: 7.61 min Scan# 1815

Delta R.T. -0.02 min

Lab File: VN059726.D

Acq: 16 Jan 2020 12:58

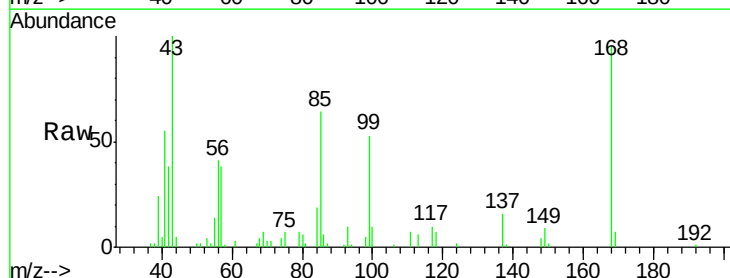
Tgt Ion: 56 Resp: 19781

Ion Ratio Lower Upper

56 100

69 17.3 26.5 39.7#

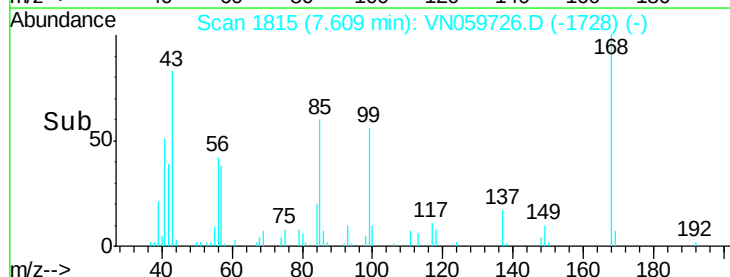
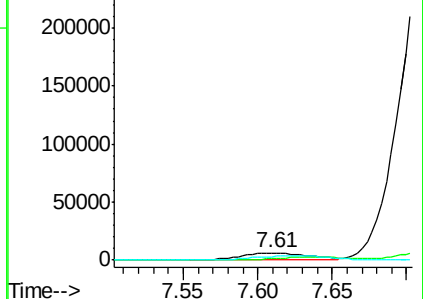
84 47.1 65.3 97.9#

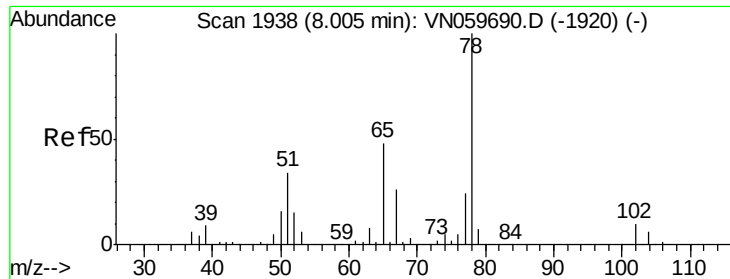


Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

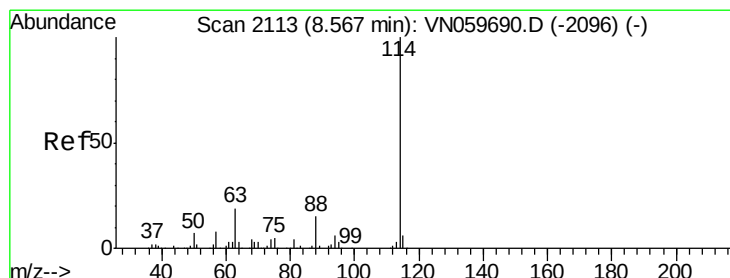
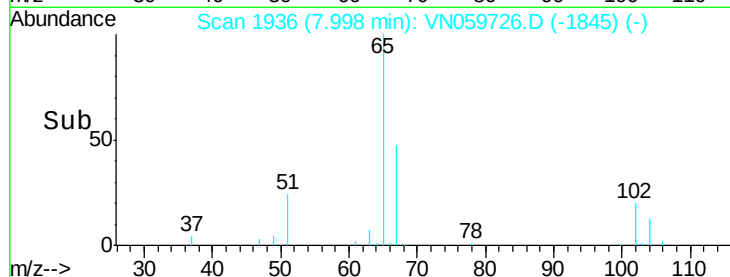
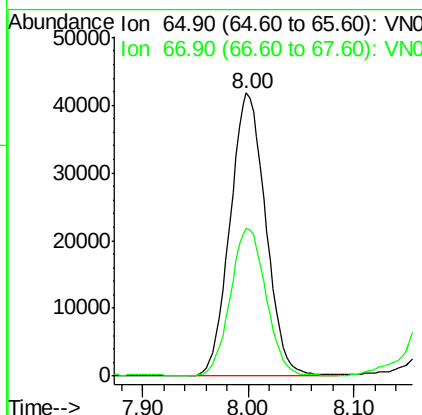
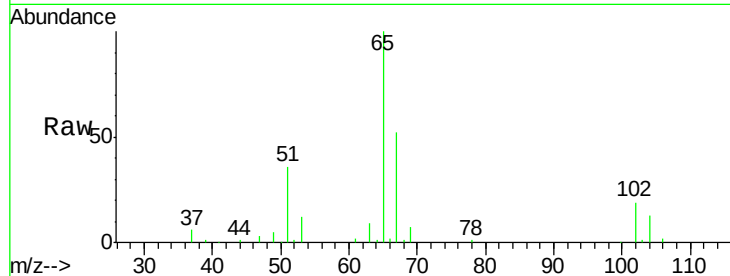




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.686 ug/l  
 RT: 8.00 min Scan# 1936  
 Delta R.T. -0.01 min  
 Lab File: VN059726.D  
 Acq: 16 Jan 2020 12:58

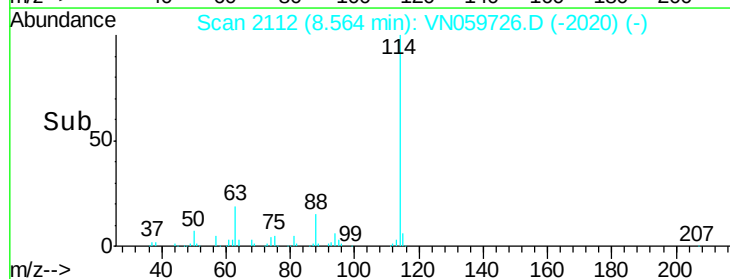
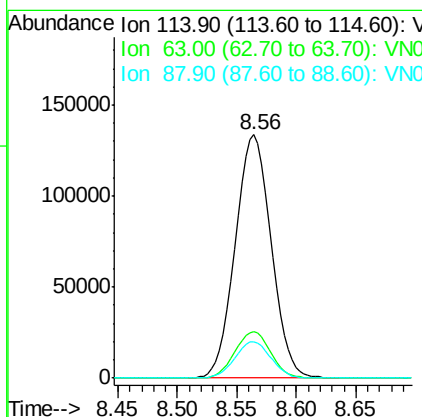
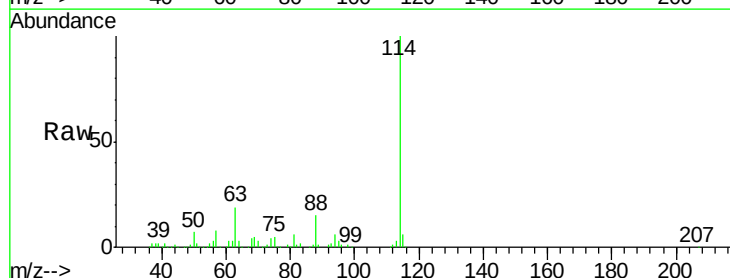
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB-04-2.5-3.0ME

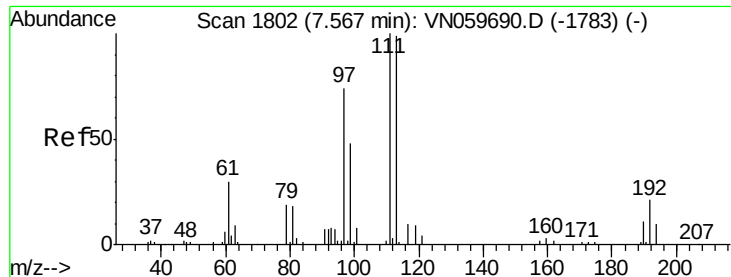
Tot Ion: 65 Resp: 98009  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN059726.D  
 Acq: 16 Jan 2020 12:58

Tgt Ion: 114 Resp: 280426  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 43.6  
 88 14.9 0.0 31.4

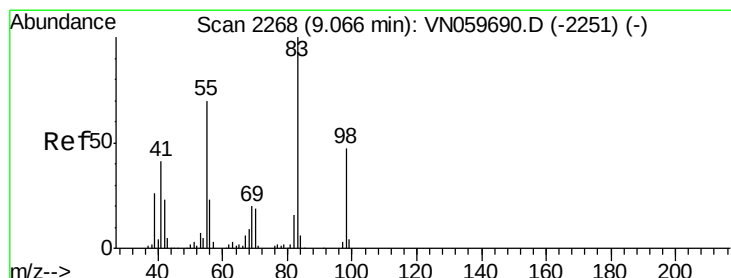
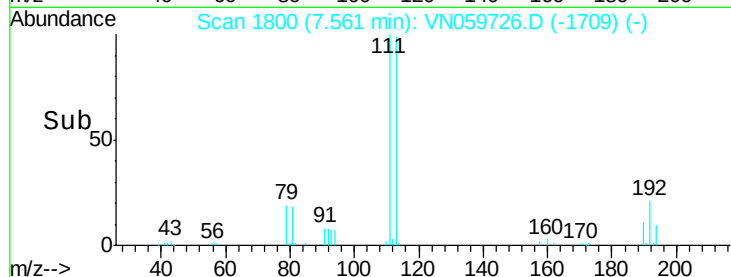
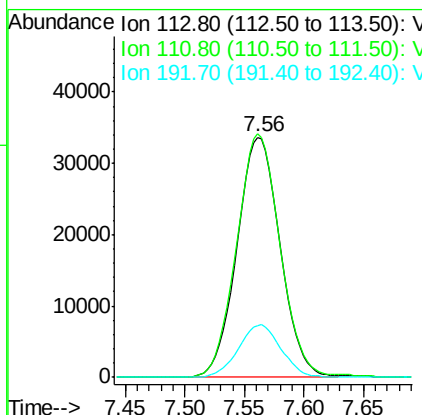
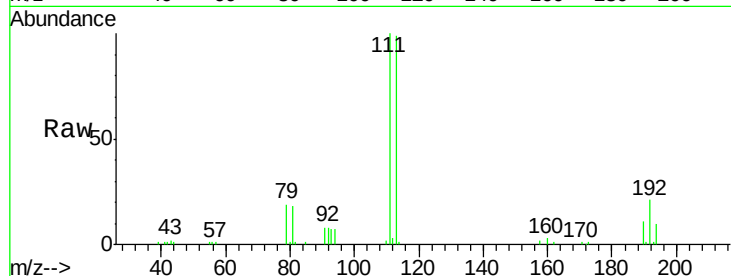




#35  
Dibromofluoromethane  
Concen: 50.554 ug/l  
RT: 7.56 min Scan# 1800  
Delta R.T. -0.01 min  
Lab File: VN059726.D  
Acq: 16 Jan 2020 12:58

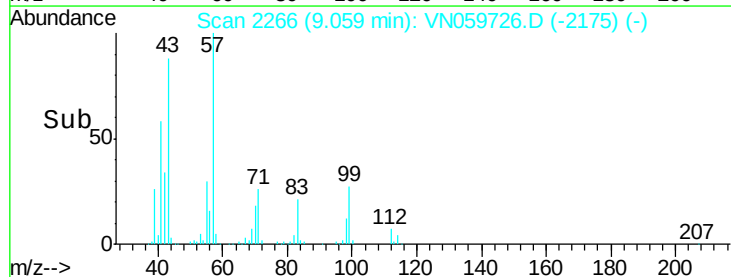
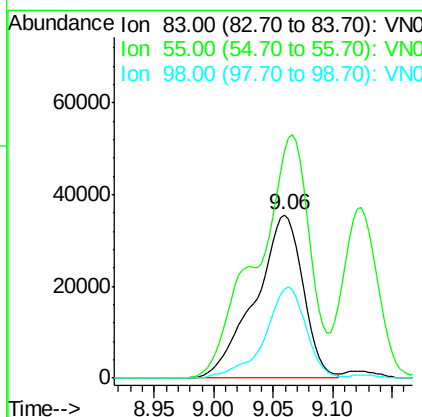
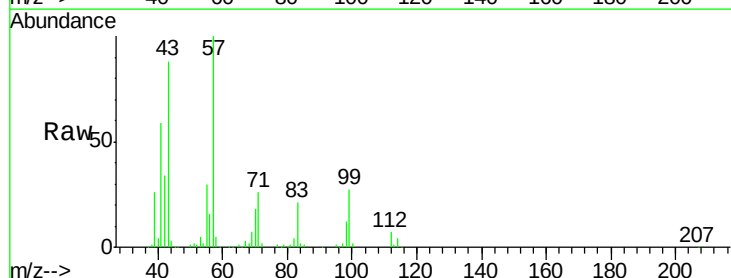
Instrument :  
MSVOA\_N  
ClientSampleId :  
SB-04-2.5-3.0ME

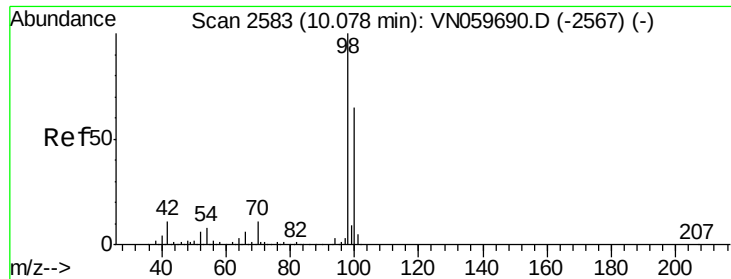
Tot Ion:113 Resp: 84541  
Ion Ratio Lower Upper  
113 100  
111 101.6 83.5 125.3  
192 21.5 15.4 23.2



#39  
Methylcyclohexane  
Concen: 32.817 ug/l  
RT: 9.06 min Scan# 2266  
Delta R.T. -0.01 min  
Lab File: VN059726.D  
Acq: 16 Jan 2020 12:58

Tgt Ion: 83 Resp: 98815  
Ion Ratio Lower Upper  
83 100  
55 138.5 64.2 96.2#  
98 54.4 35.9 53.9#





#50

Toluene-d8

Concen: 52.178 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059726.D

Acq: 16 Jan 2020 12:58

Instrument :

MSVOA\_N

ClientSampleId :

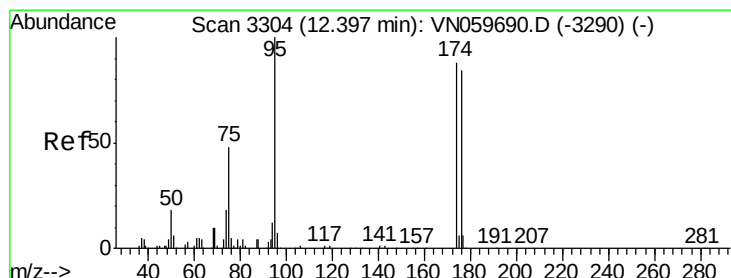
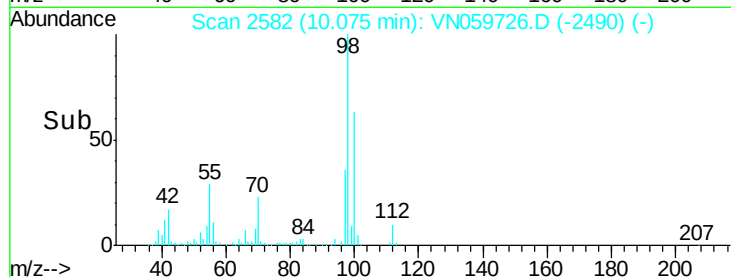
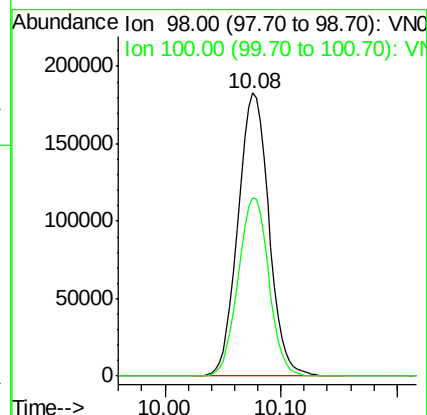
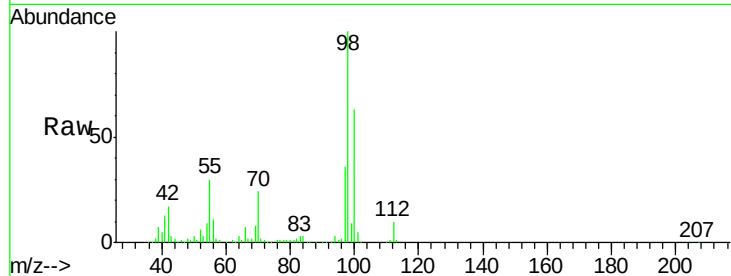
SB-04-2.5-3.0ME

Tot Ion: 98 Resp: 338077

Ion Ratio Lower Upper

98 100

100 62.2 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 53.565 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059726.D

Acq: 16 Jan 2020 12:58

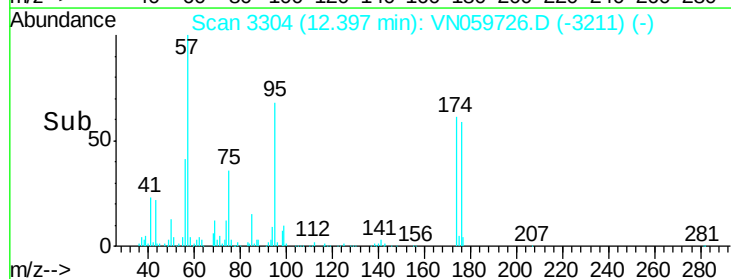
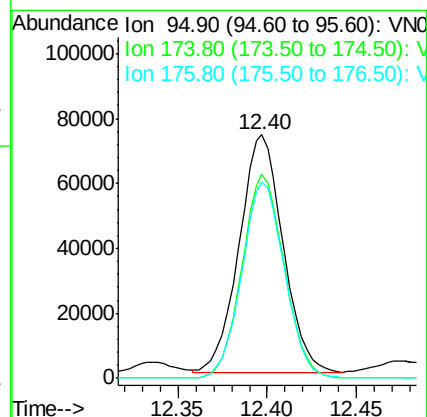
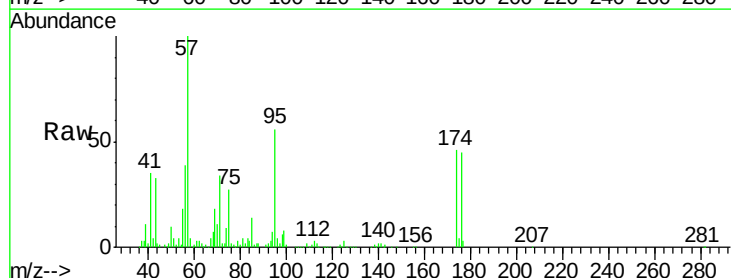
Tgt Ion: 95 Resp: 125117

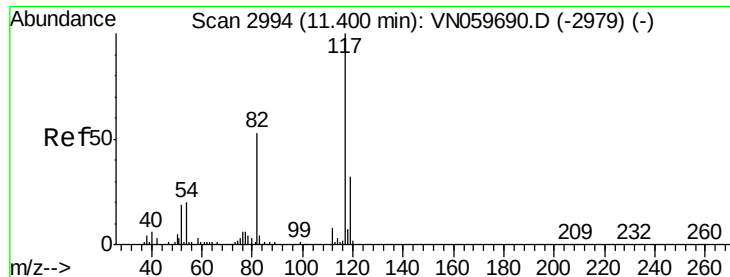
Ion Ratio Lower Upper

95 100

174 83.3 0.0 151.4

176 80.7 0.0 146.0

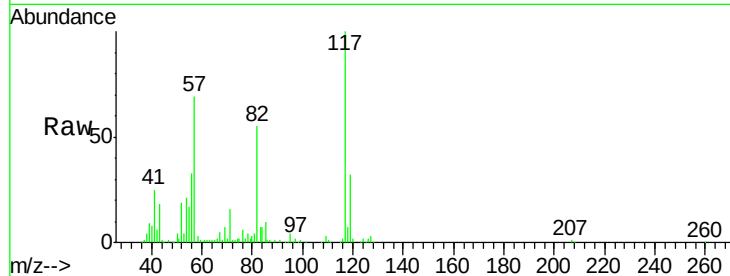




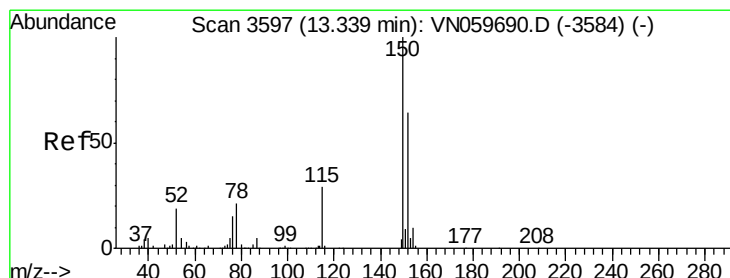
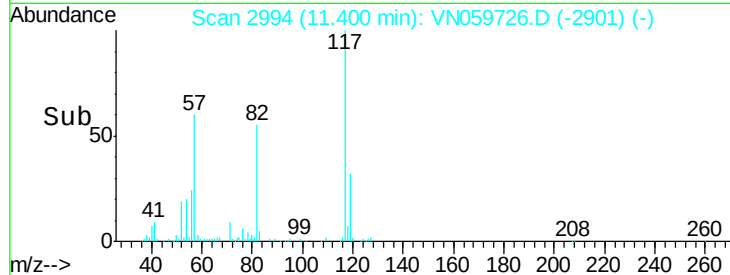
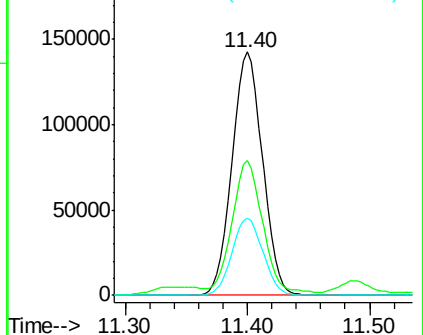
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN059726.D  
Acq: 16 Jan 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
SB-04-2.5-3.0ME

Tot Ion:117 Resp: 248073  
Ion Ratio Lower Upper  
117 100  
82 52.0 45.9 68.9  
119 31.8 25.5 38.3

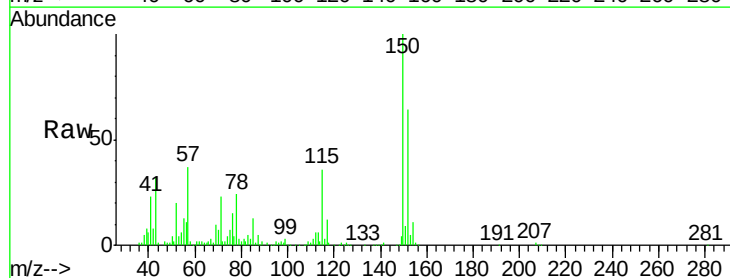


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

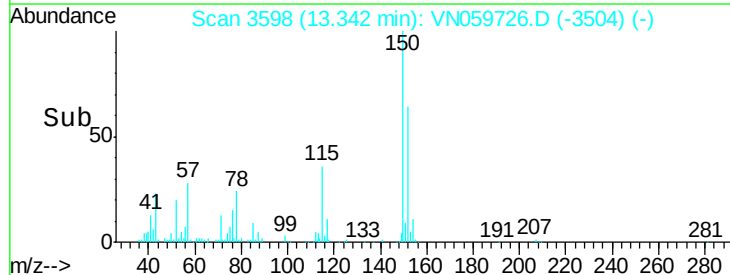
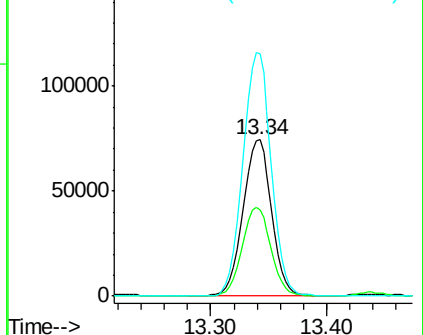


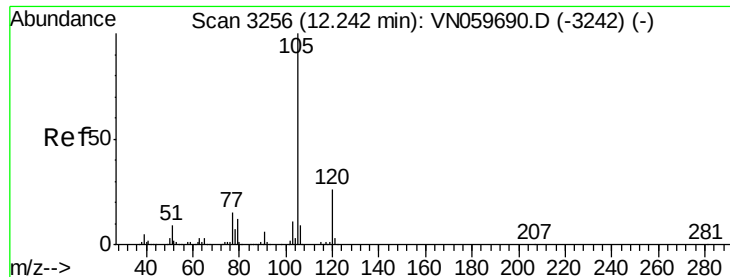
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN059726.D  
Acq: 16 Jan 2020 12:58

Tgt Ion:152 Resp: 127030  
Ion Ratio Lower Upper  
152 100  
115 56.2 30.3 90.9  
150 155.3 0.0 345.2



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





#73

Isopropylbenzene

Concen: 15.048 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059726.D

Acq: 16 Jan 2020 12:58

Instrument :

MSVOA\_N

ClientSampleId :

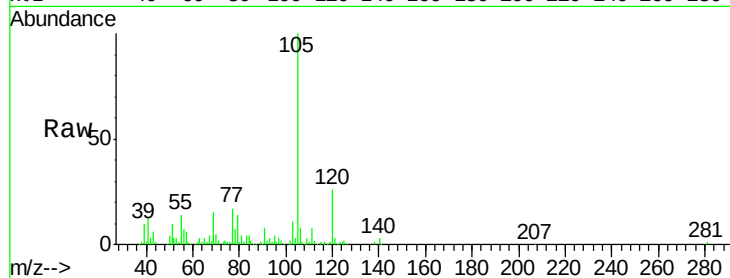
SB-04-2.5-3.0ME

Tot Ion:105 Resp: 140188

Ion Ratio Lower Upper

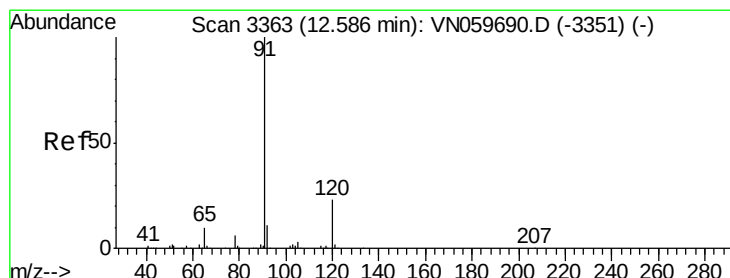
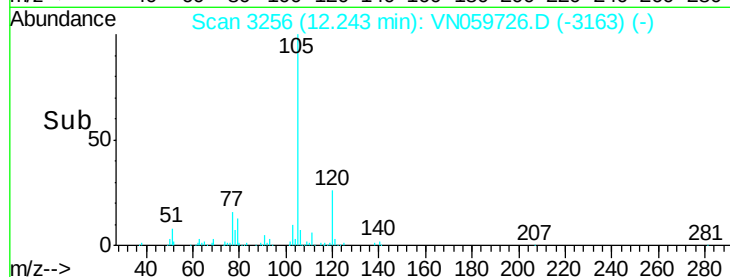
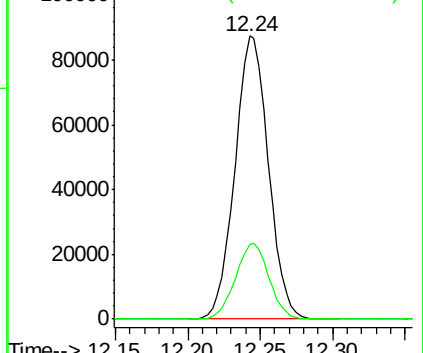
105 100

120 26.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 64.487 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059726.D

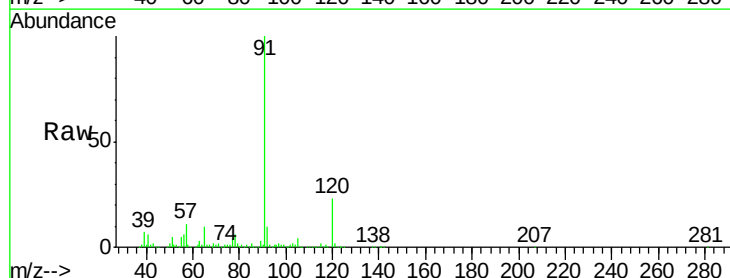
Acq: 16 Jan 2020 12:58

Tgt Ion: 91 Resp: 674321

Ion Ratio Lower Upper

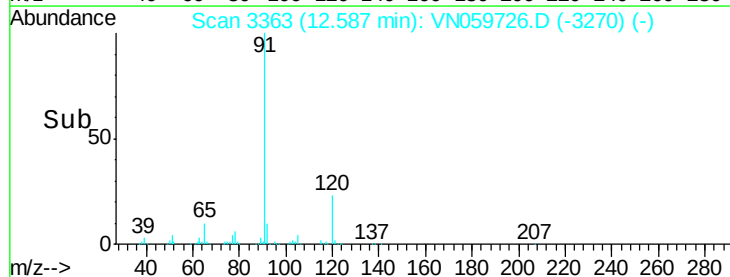
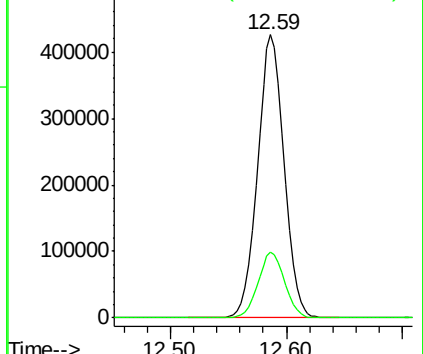
91 100

120 23.3 11.1 33.3

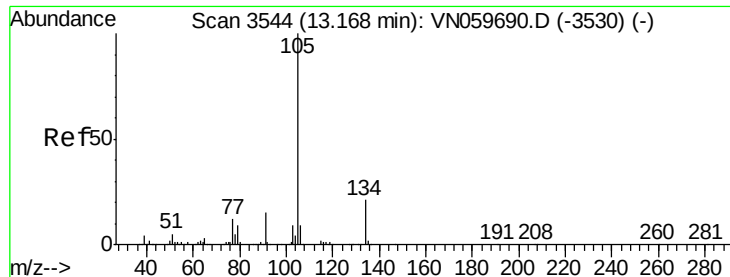


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V







#85

sec-Butylbenzene

Concen: 25.612 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059726.D

Acq: 16 Jan 2020 12:58

Instrument :

MSVOA\_N

ClientSampleId :

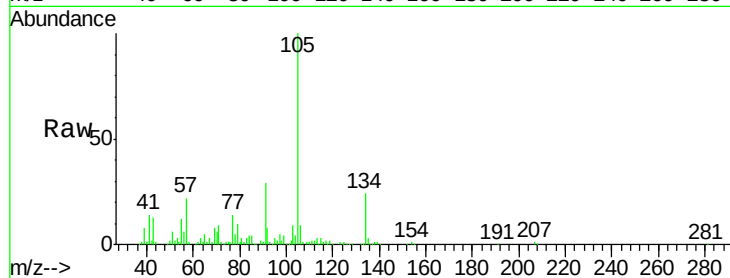
SB-04-2.5-3.0ME

Tot Ion:105 Resp: 228028

Ion Ratio Lower Upper

105 100

134 42.4 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

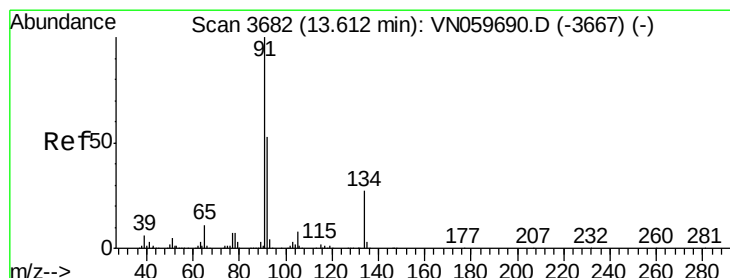
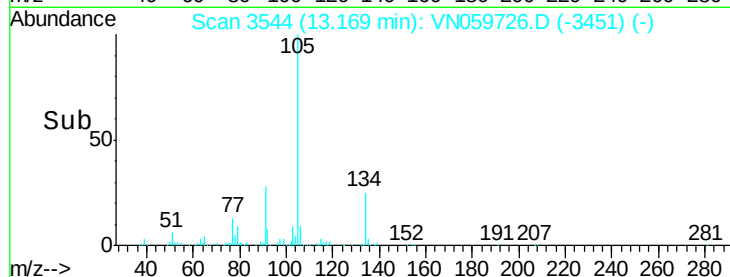
150000

100000

50000

0

Time-->



#89

n-Butylbenzene

Concen: 48.322 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059726.D

Acq: 16 Jan 2020 12:58

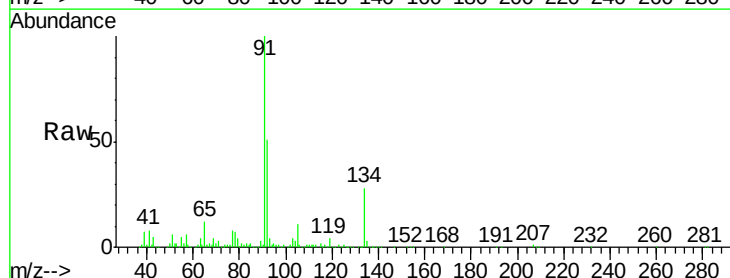
Tgt Ion: 91 Resp: 339413

Ion Ratio Lower Upper

91 100

92 46.9 25.9 77.7

134 41.1 12.3 36.8#



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

250000

200000

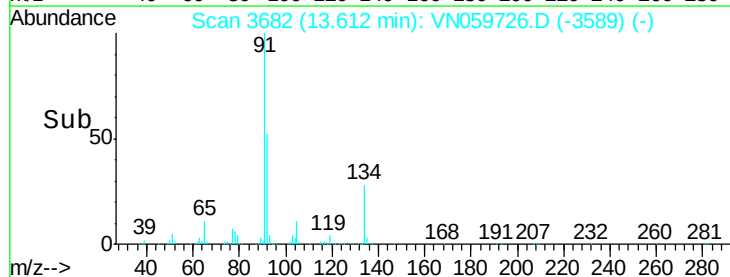
150000

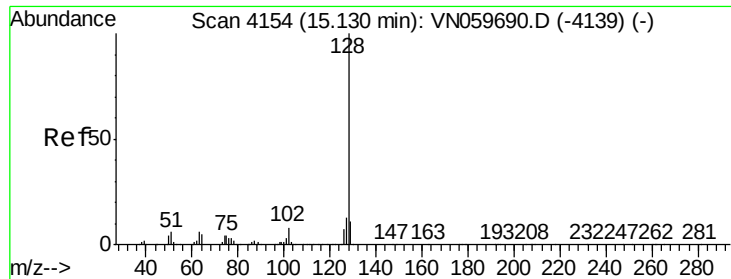
100000

50000

0

Time-->





#95

Naphthalene

Concen: 4.543 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059726.D

Acq: 16 Jan 2020 12:58

Instrument :

MSVOA\_N

ClientSampleId :

SB-04-2.5-3.0ME

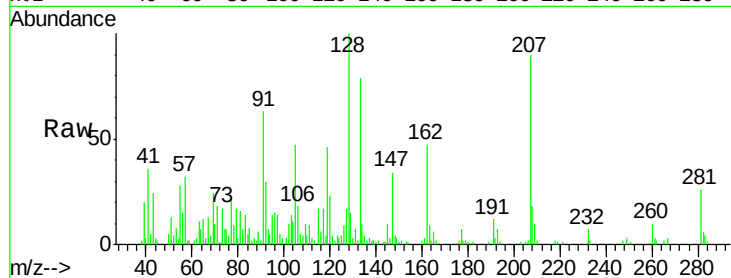
Tot Ion:128 Resp: 31457

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

