

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN050219\  
 Data File : VN055368.D  
 Acq On : 2 May 2019 23:52  
 Operator : JC/SP  
 Sample : K2658-04 10X  
 Misc : 6.25g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-SB-E6(17-20)

Quant Time: May 03 05:56:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:16:52 2019  
 Response via : Initial Calibration

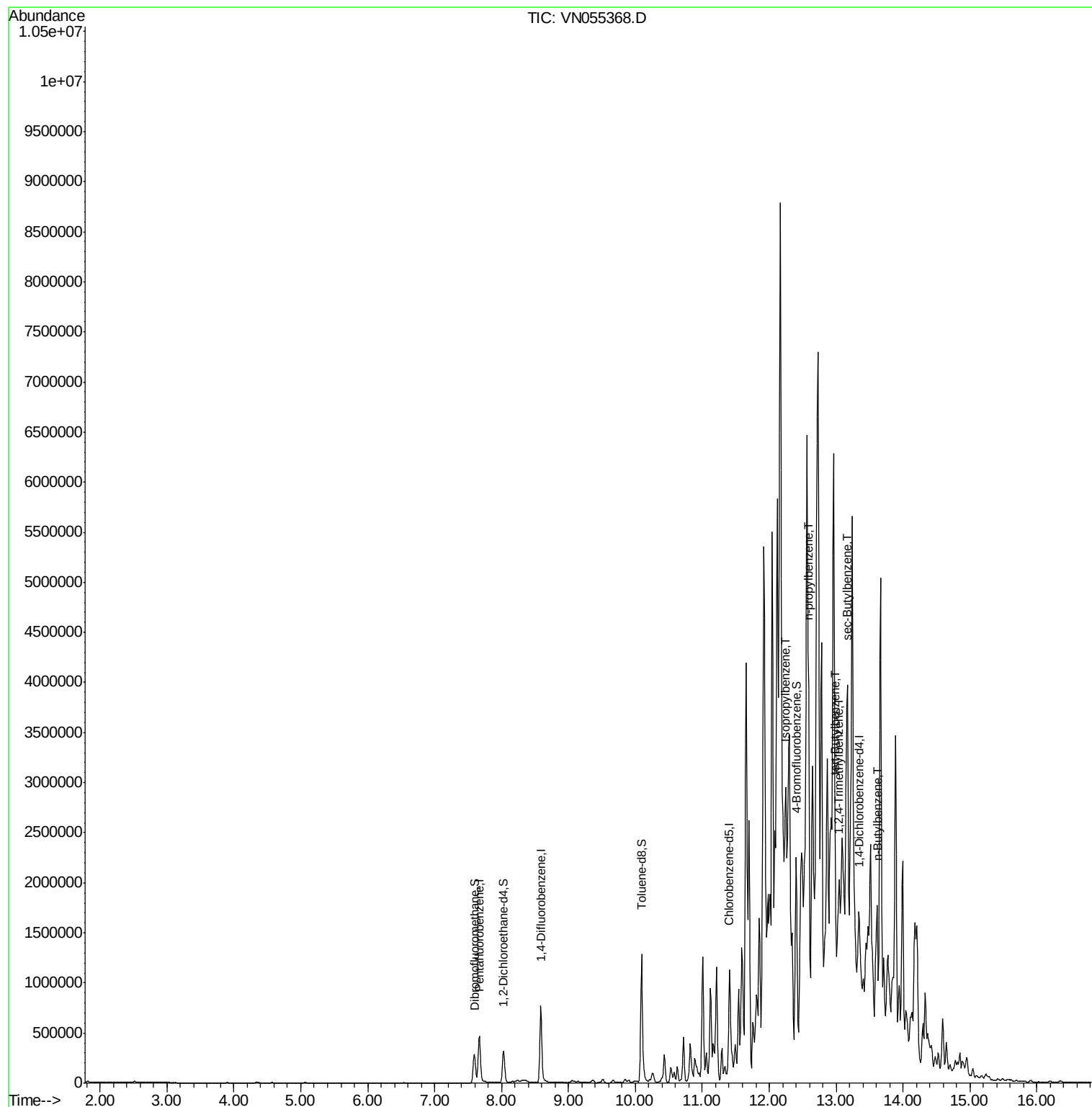
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67   | 168  | 402859   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59   | 114  | 698555   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 635759   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35  | 152  | 261866   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65   | 277416   | 52.64  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 105.28% |          |
| 35) Dibromofluoromethane    | 7.59   | 113  | 220252   | 48.04  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 96.08%  |          |
| 50) Toluene-d8              | 10.09  | 98   | 873761   | 52.78  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 105.56% |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 413434   | 79.90  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 159.80% |          |
| Target Compounds            |        |      |          |        |         |          |
| 73) Isopropylbenzene        | 12.25  | 105  | 775235   | 36.342 | ug/l    | 100      |
| 78) n-propylbenzene         | 12.59  | 91   | 2331522  | 86.677 | ug/l    | 100      |
| 83) tert-Butylbenzene       | 12.99  | 119  | 159859   | 8.591  | ug/l    | 89       |
| 84) 1,2,4-Trimethylbenzene  | 13.04  | 105  | 92765    | 5.052  | ug/l    | 99       |
| 85) sec-Butylbenzene        | 13.17  | 105  | 1201771  | 53.858 | ug/l #  | 65       |
| 89) n-Butylbenzene          | 13.61  | 91   | 621835   | 47.716 | ug/l #  | 88       |

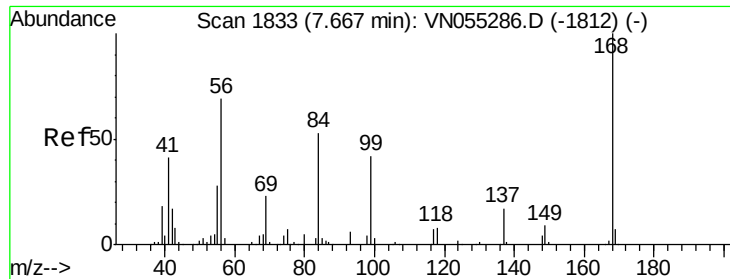
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN050219\  
Data File : VN055368.D  
Acq On : 2 May 2019 23:52  
Operator : JC/SP  
Sample : K2658-04 10X  
Misc : 6.25g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-SB-E6(17-20)

Quant Time: May 03 05:56:03 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 30 07:16:52 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055368.D

Acq: 2 May 2019 23:52

Instrument :

MSVOA\_N

ClientSampled :

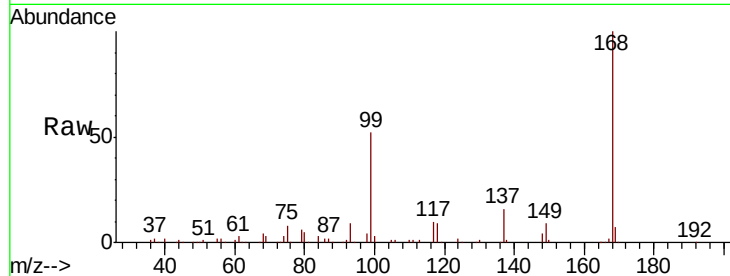
EP1-SB-E6(17-20)

Tgt Ion:168 Resp: 402859

Ion Ratio Lower Upper

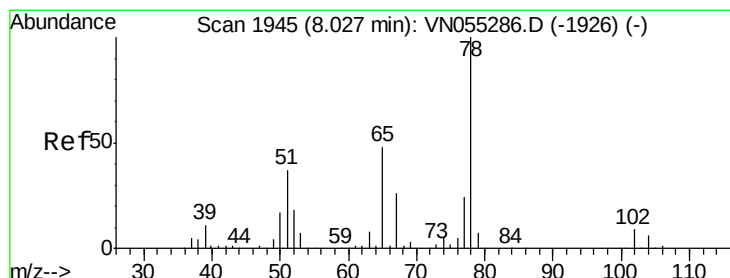
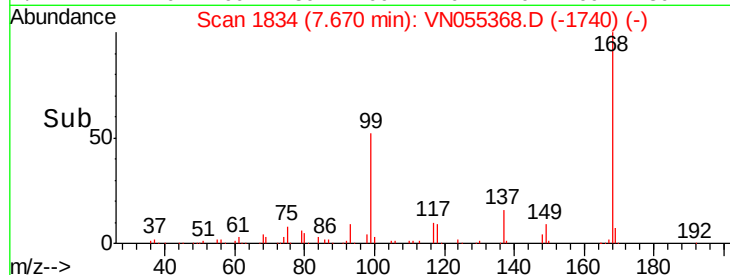
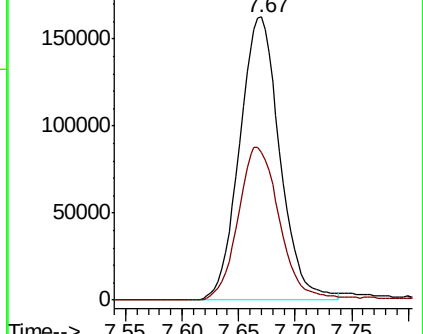
168 100

99 52.2 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.638 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055368.D

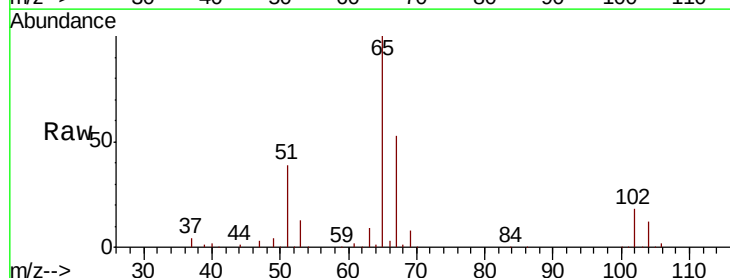
Acq: 2 May 2019 23:52

Tgt Ion: 65 Resp: 277416

Ion Ratio Lower Upper

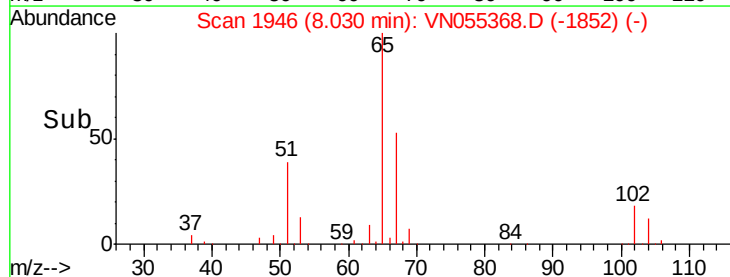
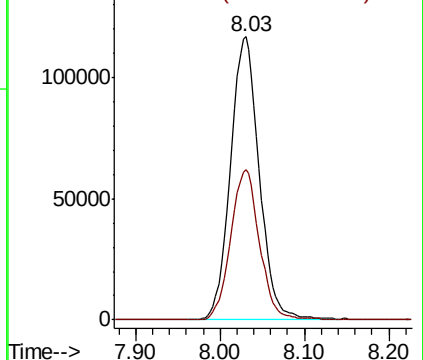
65 100

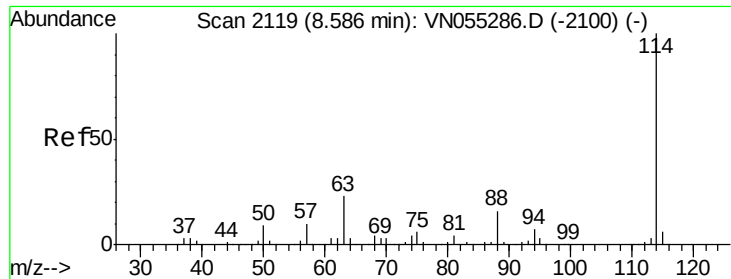
67 52.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

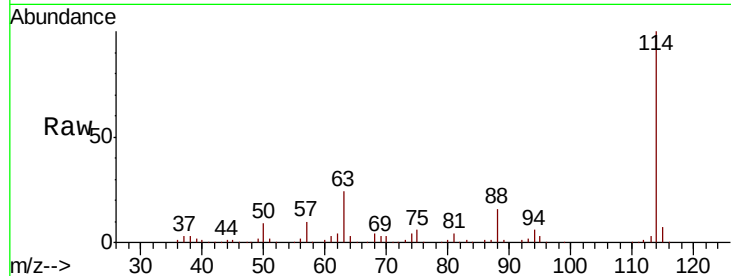




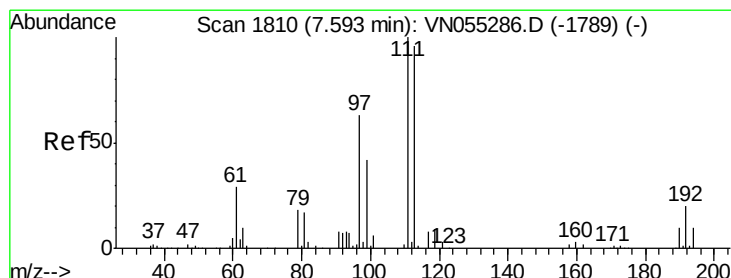
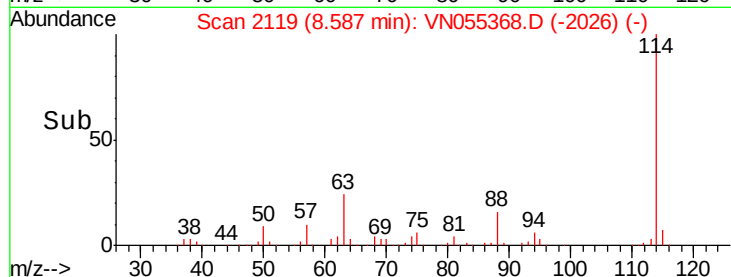
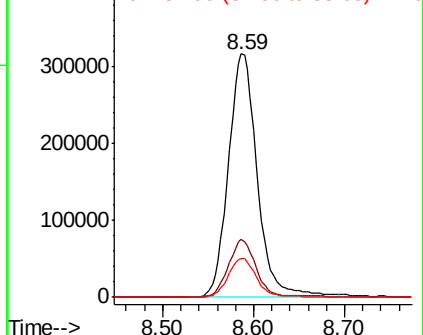
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.59 min Scan# 2119  
Delta R.T. 0.00 min  
Lab File: VN055368.D  
Acq: 2 May 2019 23:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-SB-E6(17-20)

Tgt Ion:114 Resp: 698555  
Ion Ratio Lower Upper  
114 100  
63 23.7 0.0 45.2  
88 16.1 0.0 31.6

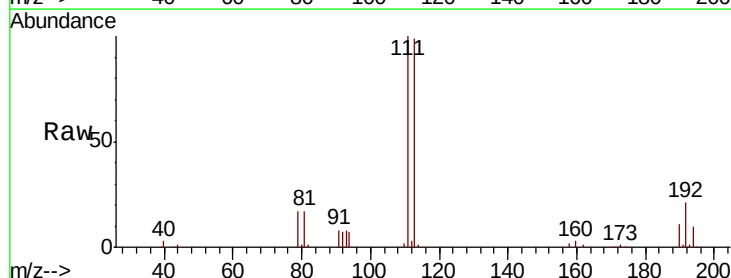


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

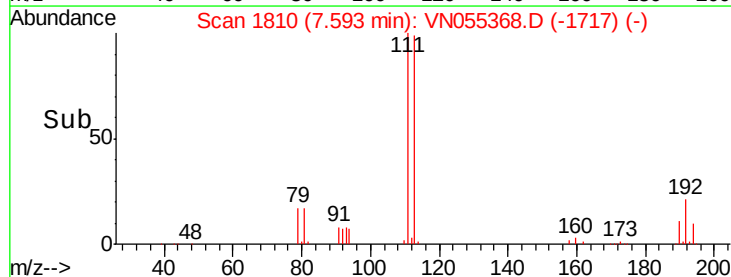
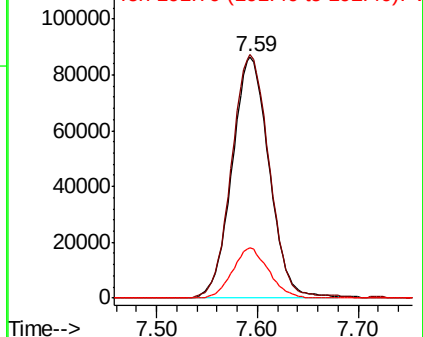


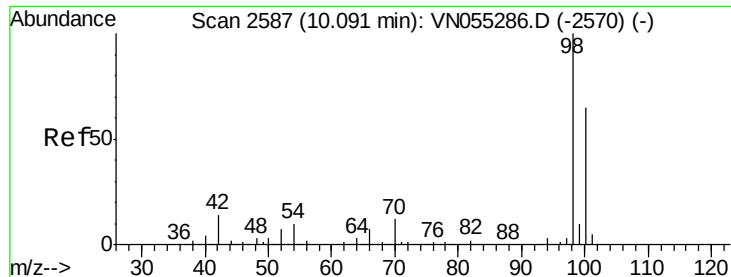
#35  
Dibromofluoromethane  
Concen: 48.037 ug/l  
RT: 7.59 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VN055368.D  
Acq: 2 May 2019 23:52

Tgt Ion:113 Resp: 220252  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.3 123.5  
192 20.4 17.0 25.6



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





#50

Toluene-d8

Concen: 52.775 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055368.D

Acq: 2 May 2019 23:52

Instrument :

MSVOA\_N

ClientSampleId :

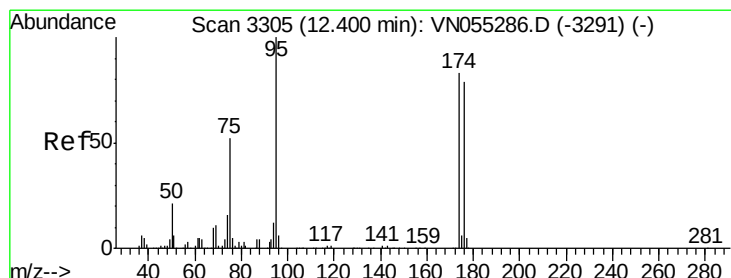
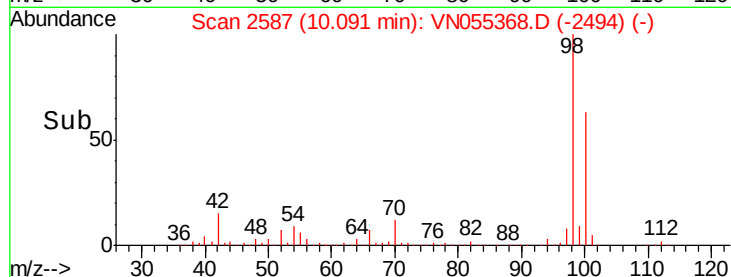
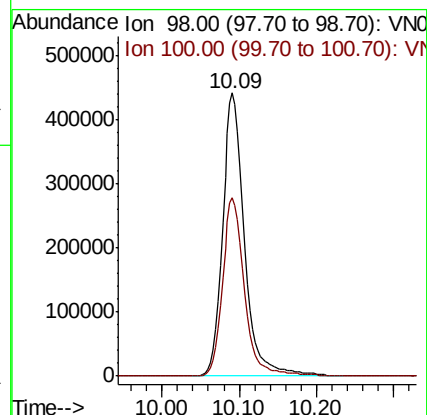
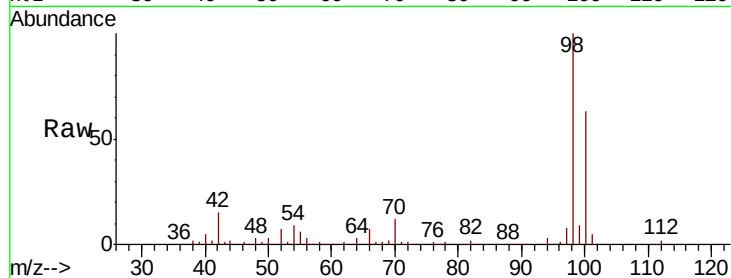
EP1-SB-E6(17-20)

Tgt Ion: 98 Resp: 873761

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 79.900 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN055368.D

Acq: 2 May 2019 23:52

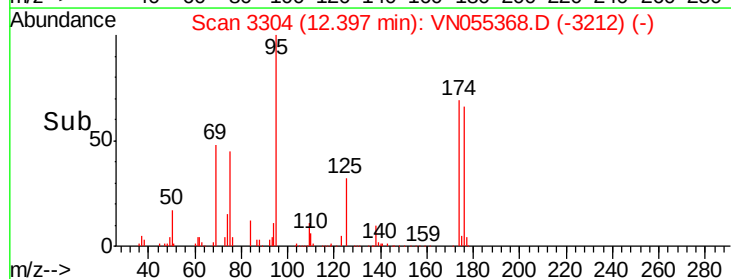
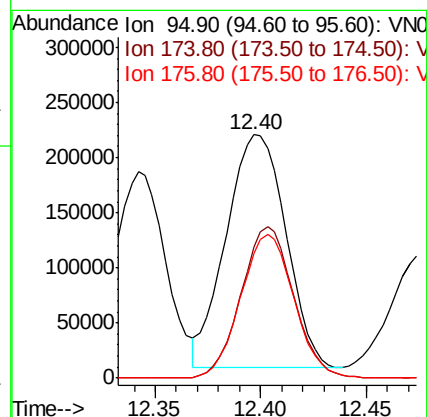
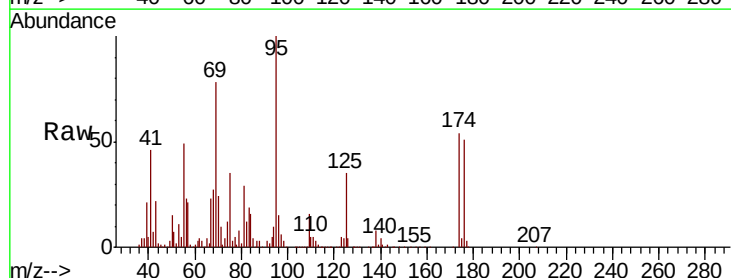
Tgt Ion: 95 Resp: 413434

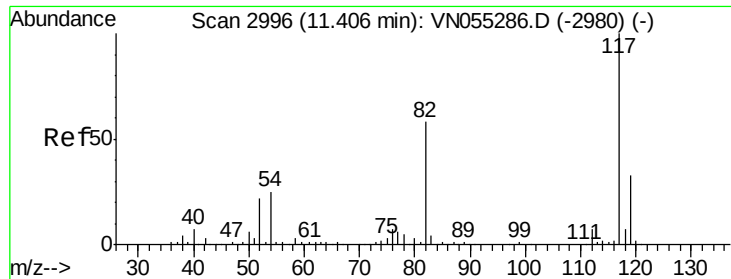
Ion Ratio Lower Upper

95 100

174 57.8 0.0 166.6

176 55.5 0.0 157.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN055368.D

Acq: 2 May 2019 23:52

Instrument :

MSVOA\_N

ClientSampleId :

EP1-SB-E6(17-20)

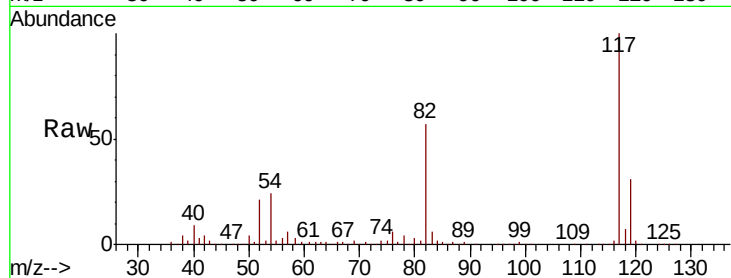
Tgt Ion:117 Resp: 635759

Ion Ratio Lower Upper

117 100

82 54.8 46.2 69.4

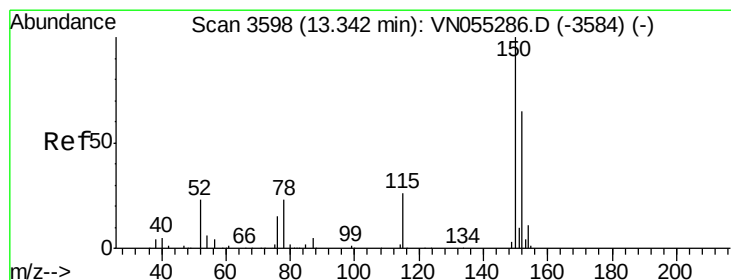
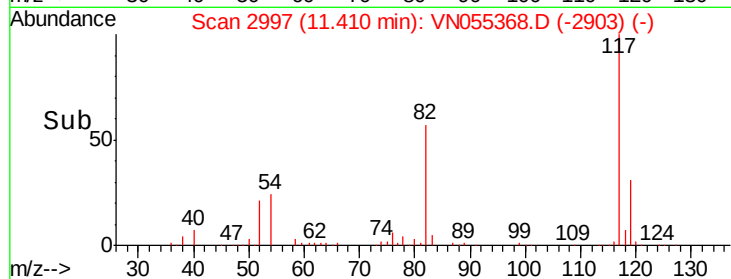
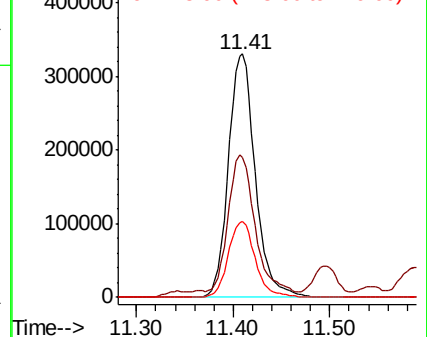
119 31.2 26.6 40.0



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055368.D

Acq: 2 May 2019 23:52

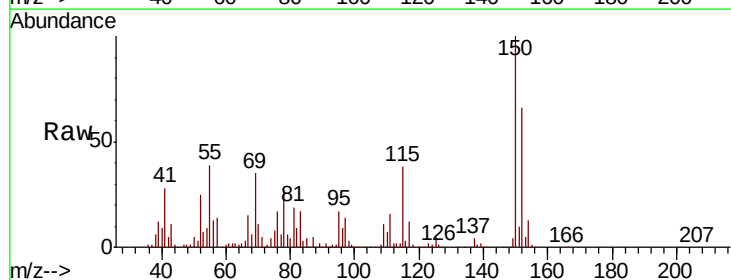
Tgt Ion:152 Resp: 261866

Ion Ratio Lower Upper

152 100

115 53.2 29.0 87.0

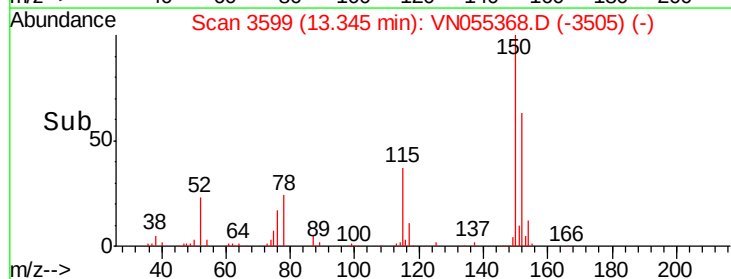
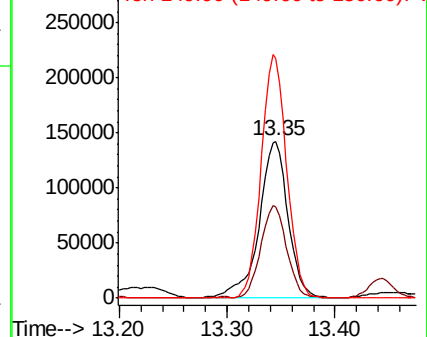
150 138.1 0.0 345.6

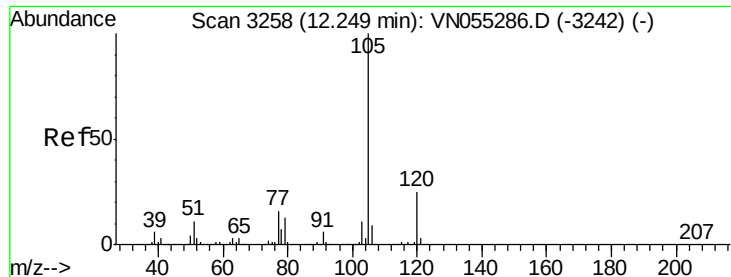


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 36.342 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055368.D

Acq: 2 May 2019 23:52

Instrument :

MSVOA\_N

ClientSampleId :

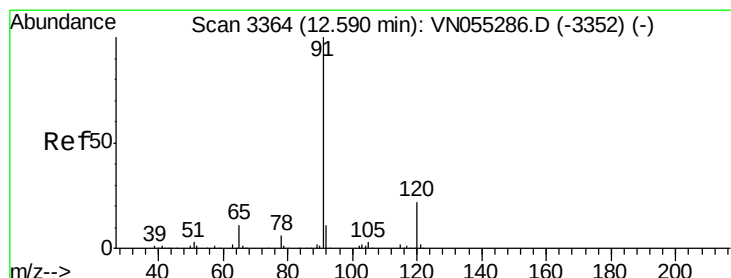
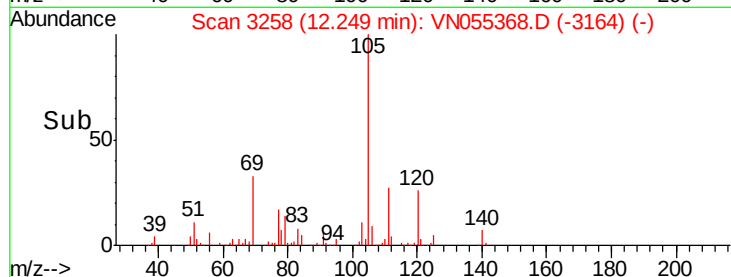
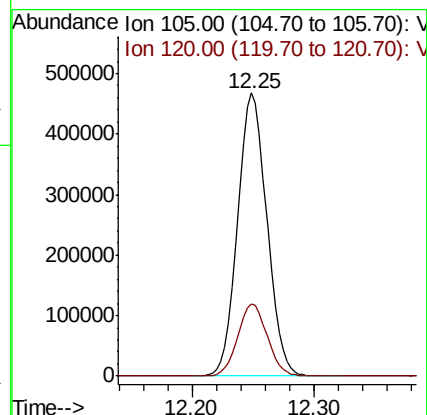
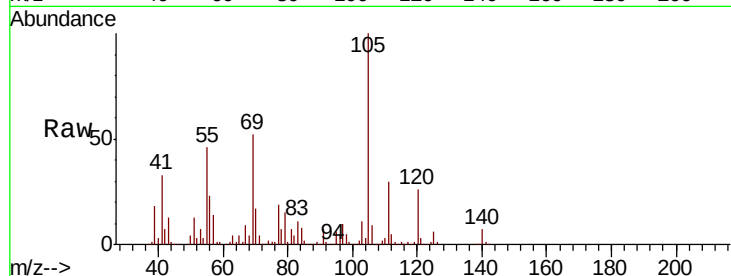
EP1-SB-E6(17-20)

Tgt Ion: 105 Resp: 775235

Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.7



#78

n-propylbenzene

Concen: 86.677 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055368.D

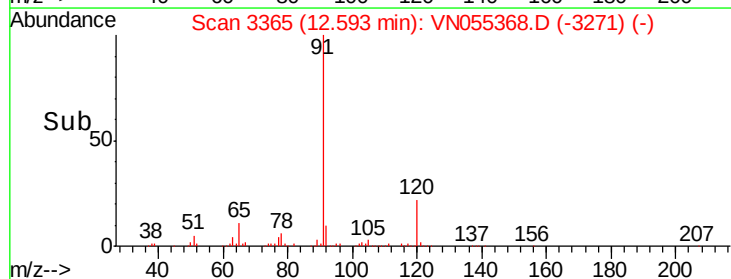
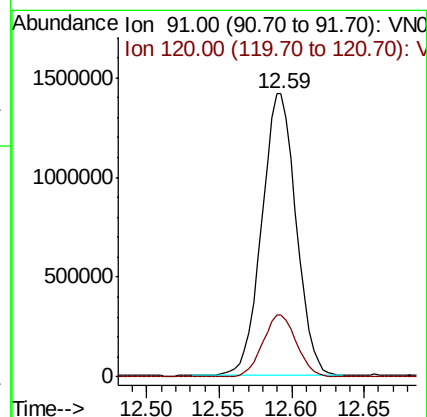
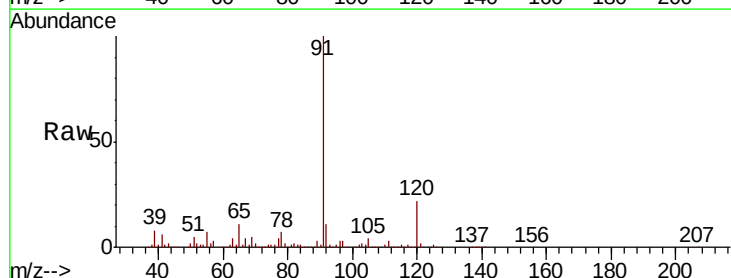
Acq: 2 May 2019 23:52

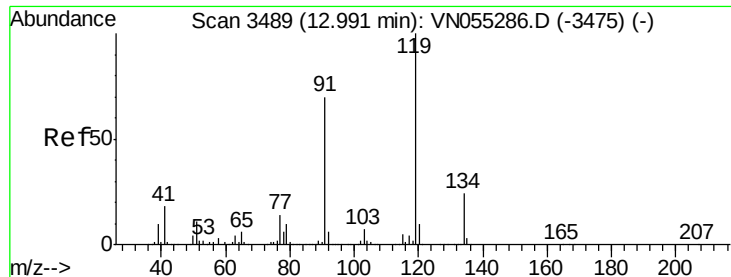
Tgt Ion: 91 Resp: 2331522

Ion Ratio Lower Upper

91 100

120 21.8 11.0 33.0

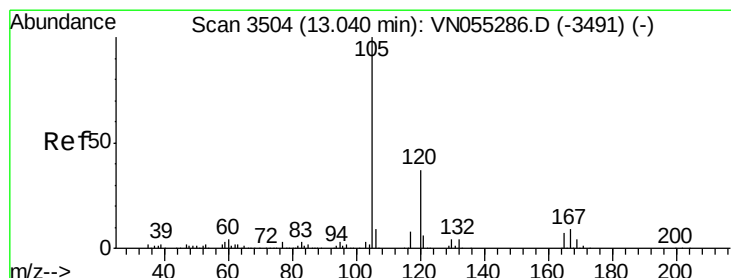
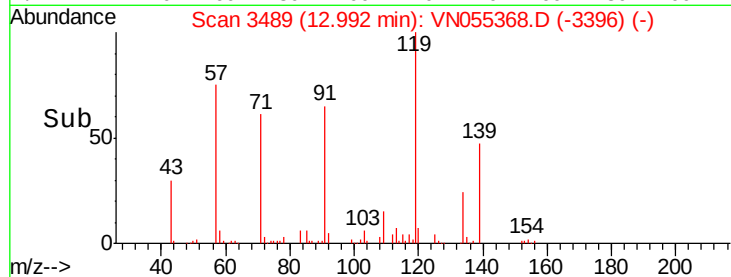
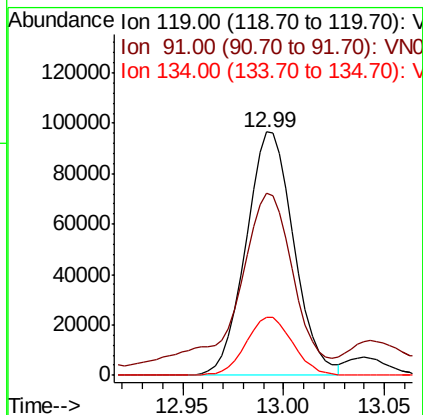
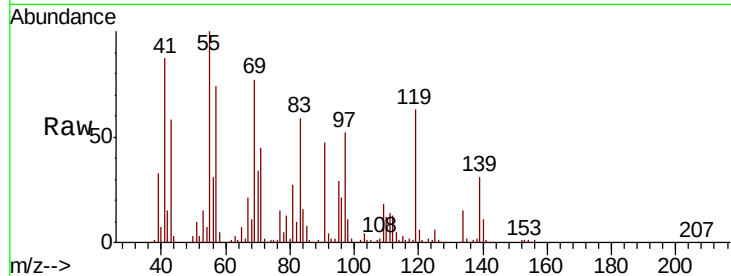




#83  
 tert-Butylbenzene  
 Concen: 8.591 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. 0.00 min  
 Lab File: VN055368.D  
 Acq: 2 May 2019 23:52

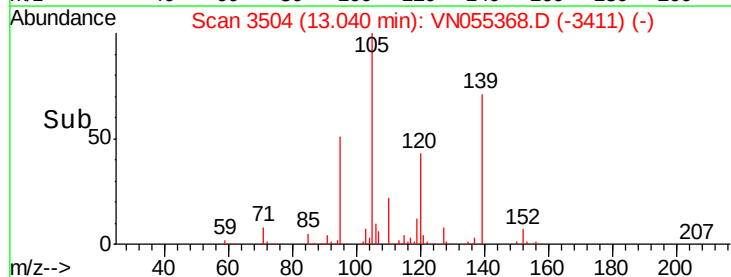
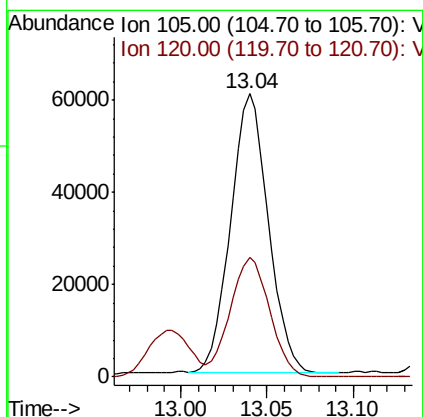
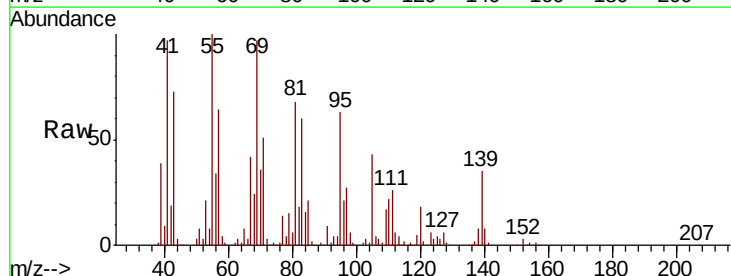
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-SB-E6(17-20)

Tgt Ion:119 Resp: 159859  
 Ion Ratio Lower Upper  
 119 100  
 91 78.8 34.3 102.9  
 134 23.4 13.1 39.3

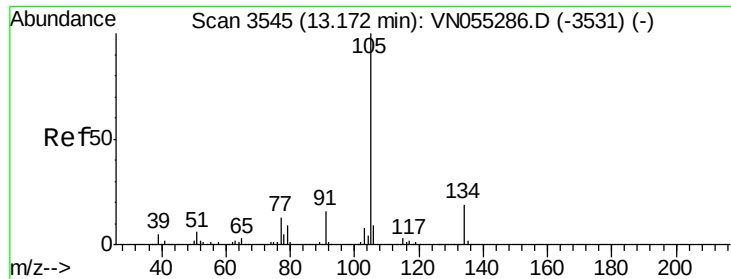


#84  
 1,2,4-Trimethylbenzene  
 Concen: 5.052 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN055368.D  
 Acq: 2 May 2019 23:52

Tgt Ion:105 Resp: 92765  
 Ion Ratio Lower Upper  
 105 100  
 120 44.8 22.1 66.5







#85

sec-Butylbenzene

Concen: 53.858 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055368.D

Acq: 2 May 2019 23:52

Instrument :

MSVOA\_N

ClientSampleId :

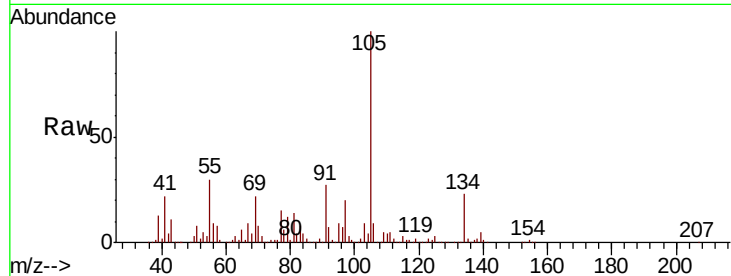
EP1-SB-E6(17-20)

Tgt Ion:105 Resp: 1201771

Ion Ratio Lower Upper

105 100

134 34.9 9.6 28.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

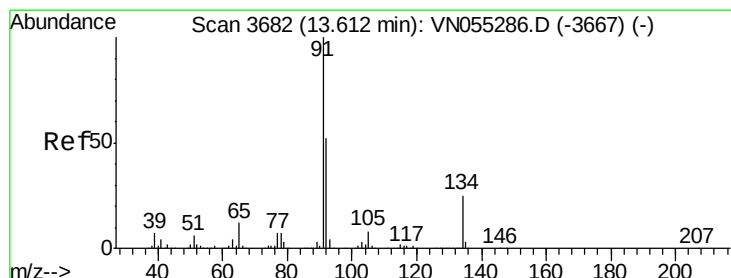
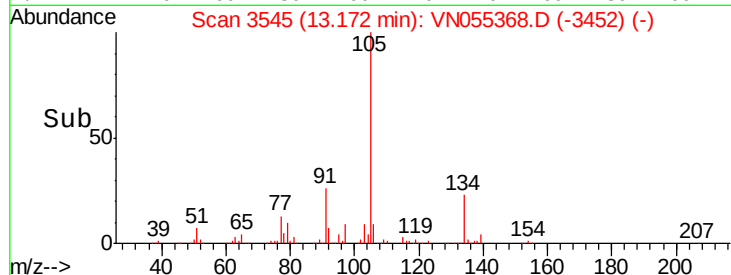
600000

400000

200000

0

Time-->



#89

n-Butylbenzene

Concen: 47.716 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055368.D

Acq: 2 May 2019 23:52

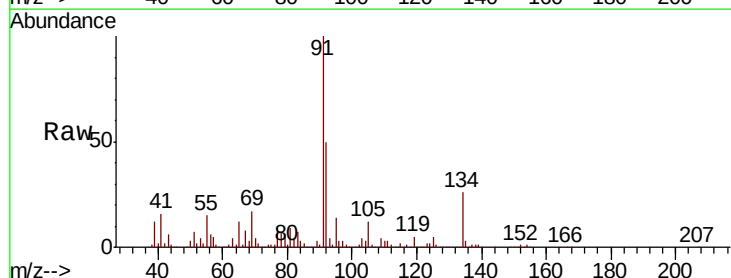
Tgt Ion: 91 Resp: 621835

Ion Ratio Lower Upper

91 100

92 48.6 26.1 78.3

134 38.2 12.4 37.4#



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

13.61

500000

400000

300000

200000

100000

0

Time-->

