

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN121318\  
 Data File : VN052857.D  
 Acq On : 13 Dec 2018 12:01  
 Operator : MD\SY  
 Sample : J6319-01  
 Misc : 4.98g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 7 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 055\_BT-1-1

Quant Time: Dec 14 08:58:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 13 01:08:35 2018  
 Response via : Initial Calibration

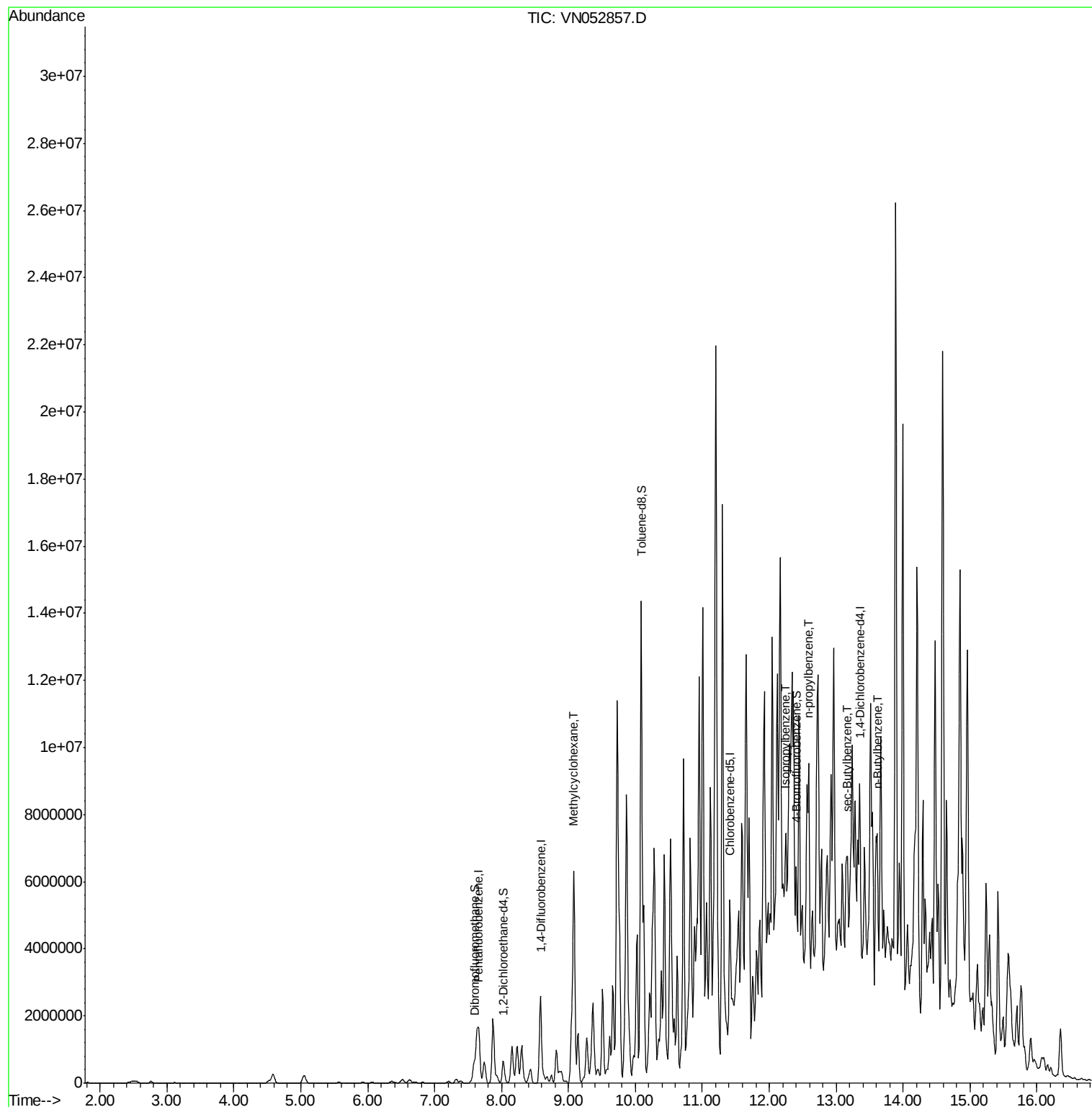
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 1108495  | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 1669224  | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1450638  | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 769640   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 540479   | 45.86   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 91.72%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 438933   | 47.11   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 94.22%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2667683  | 66.03   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 132.06% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 1045981  | 76.41   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 152.82% |          |
| Target Compounds            |       |      |          |         |         |          |
| 39) Methylcyclohexane       | 9.08  | 83   | 2585914  | 137.088 | ug/l    | 95       |
| 73) Isopropylbenzene        | 12.25 | 105  | 1861239  | 32.390  | ug/l    | 100      |
| 78) n-propylbenzene         | 12.59 | 91   | 4976898  | 75.940  | ug/l    | 100      |
| 85) sec-Butylbenzene        | 13.17 | 105  | 1358250  | 24.510  | ug/l #  | 57       |
| 89) n-Butylbenzene          | 13.62 | 91   | 2479919  | 61.356  | ug/l #  | 79       |

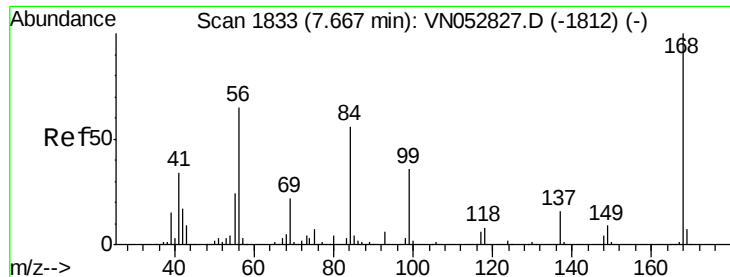
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121318\  
Data File : VN052857.D  
Acq On : 13 Dec 2018 12:01  
Operator : MD\SY  
Sample : J6319-01  
Misc : 4.98g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 7 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
055\_BT-1-1

Quant Time: Dec 14 08:58:02 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N121218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 13 01:08:35 2018  
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: VN052857.D

Acq: 13 Dec 2018 12:01

Instrument :

MSVOA\_N

ClientSampleId :

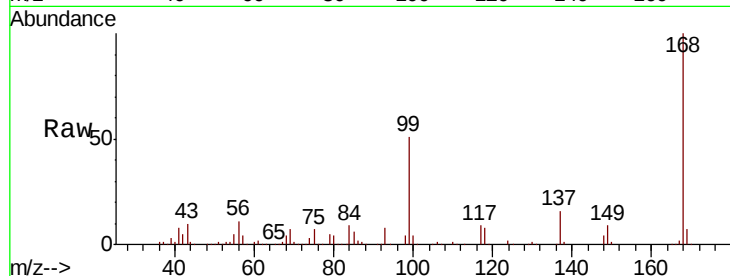
055\_BT-1-1

Tot Ion:168 Resp: 1108495

Ion Ratio Lower Upper

168 100

99 50.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

7.66

400000

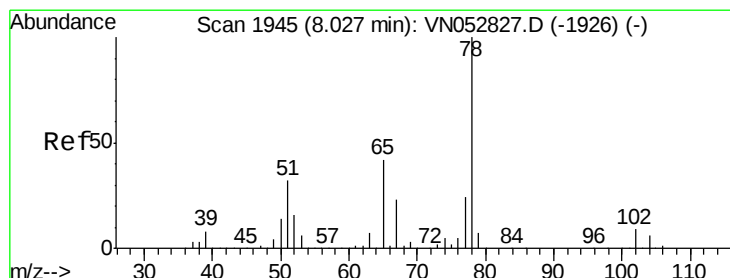
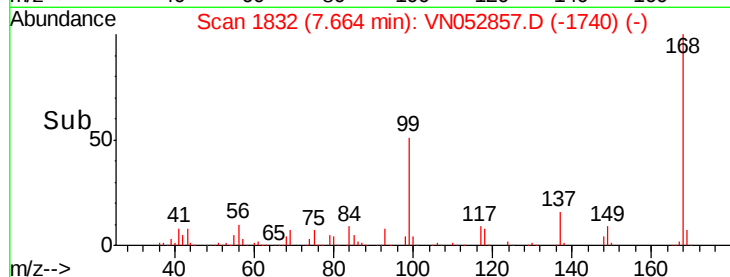
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN052857.D

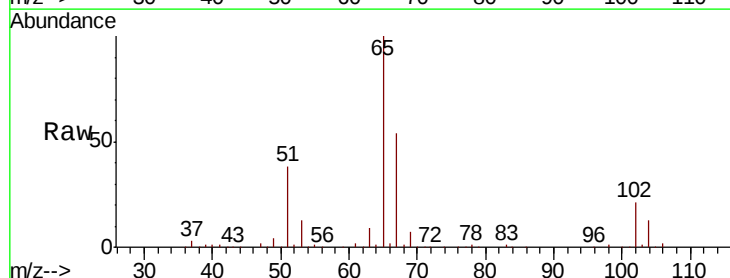
Acq: 13 Dec 2018 12:01

Tgt Ion: 65 Resp: 540479

Ion Ratio Lower Upper

65 100

67 54.8 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN052827.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN052827.D (-1926) (-)

8.02

250000

200000

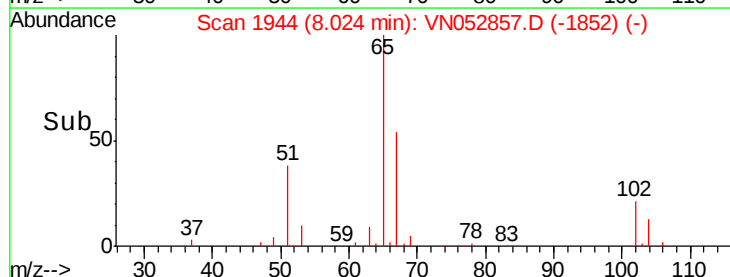
150000

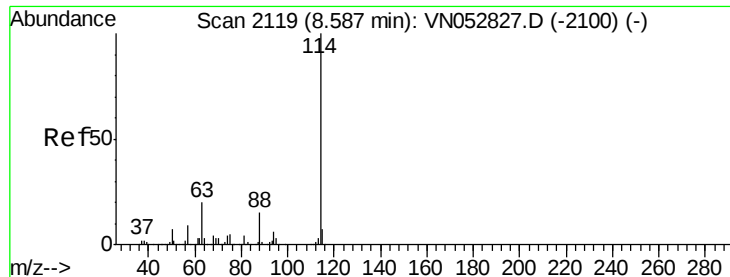
100000

50000

0

Time-->

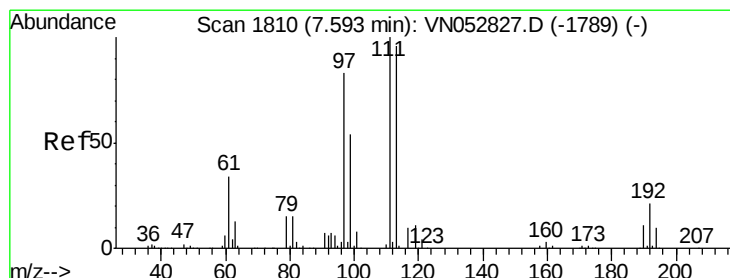
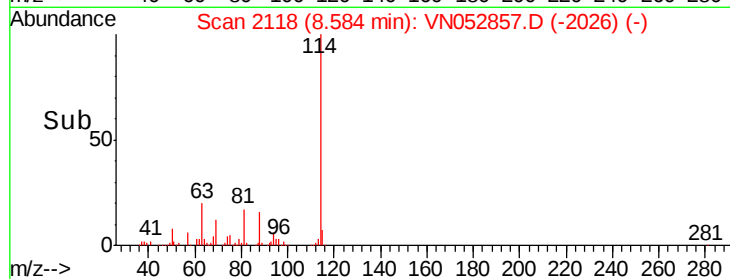
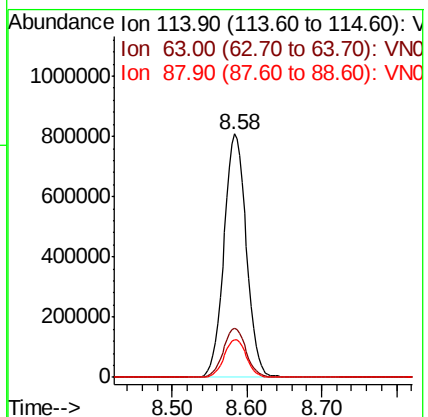
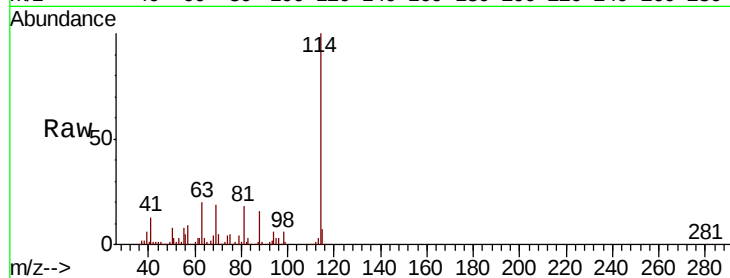




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN052857.D  
 Acq: 13 Dec 2018 12:01

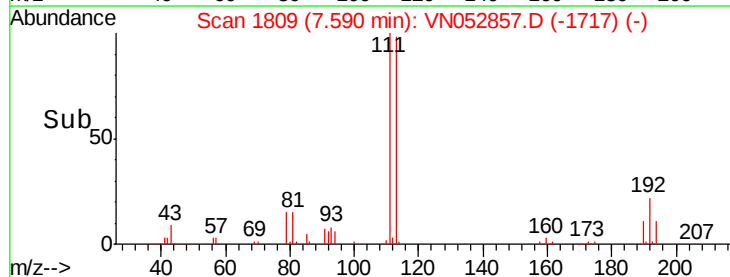
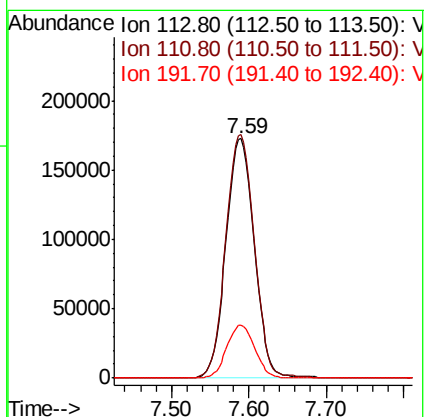
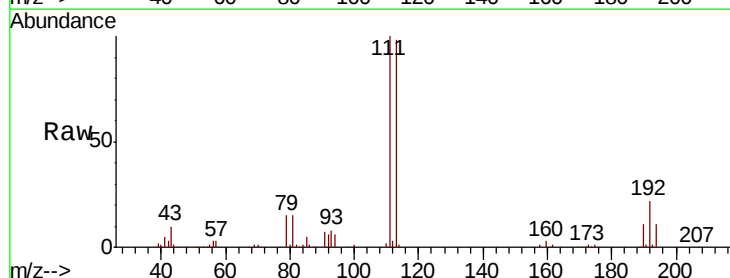
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 055\_BT-1-1

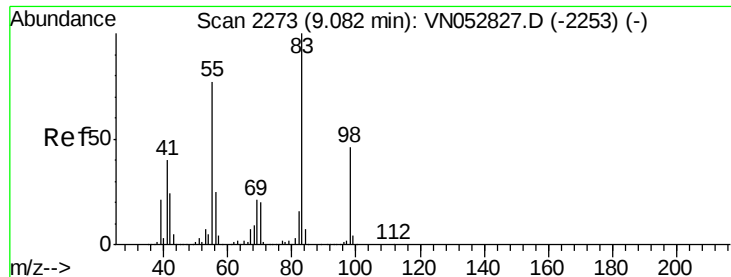
Tot Ion:114 Resp: 1669224  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 39.8  
 88 15.6 0.0 31.0



#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN052857.D  
 Acq: 13 Dec 2018 12:01

Tgt Ion:113 Resp: 438933  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 83.0 124.4  
 192 21.9 17.5 26.3

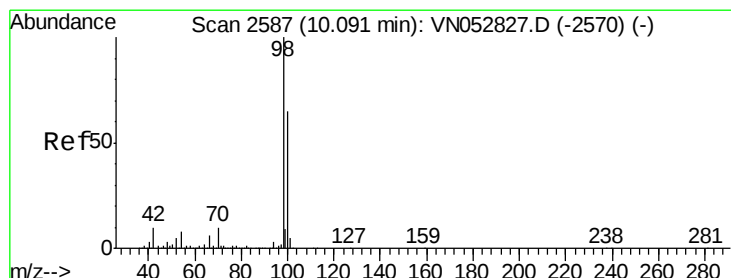
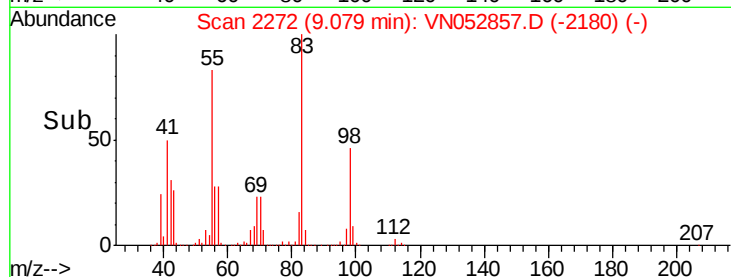
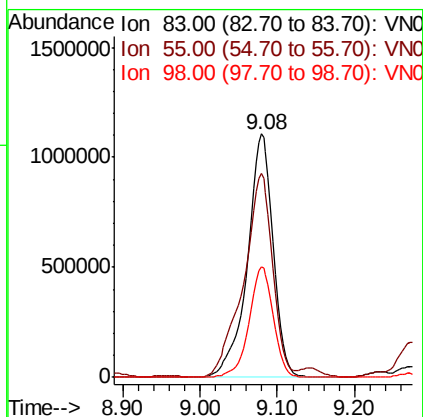
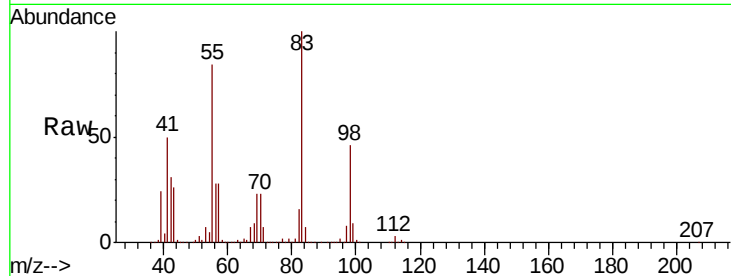




#39  
Methylcyclohexane  
Concen: 137.088 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VN052857.D  
Acq: 13 Dec 2018 12:01

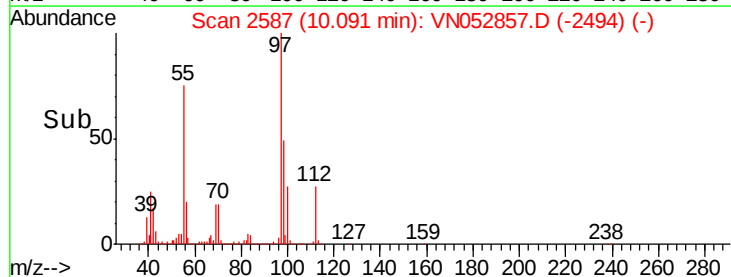
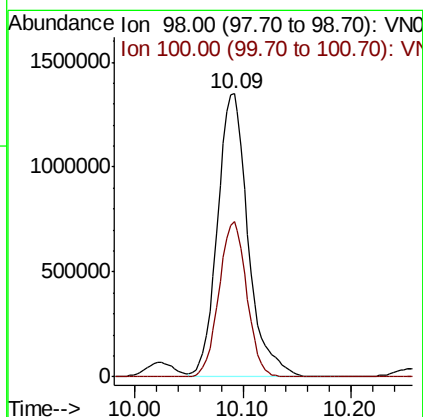
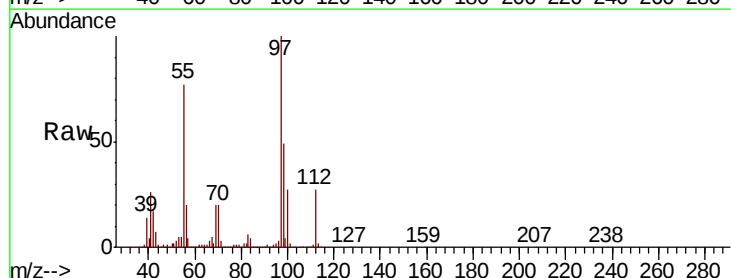
Instrument :  
MSVOA\_N  
ClientSampled :  
055\_BT-1-1

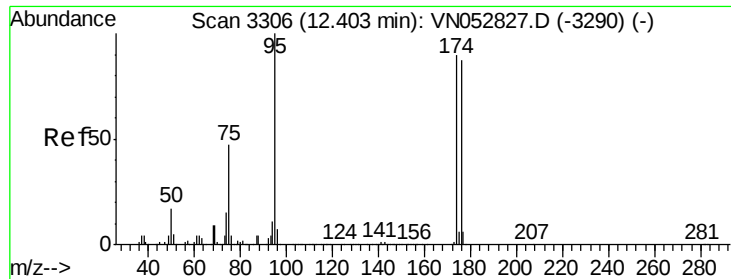
Tot Ion: 83 Resp: 2585914  
Ion Ratio Lower Upper  
83 100  
55 83.5 61.3 91.9  
98 45.6 37.0 55.4



#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN052857.D  
Acq: 13 Dec 2018 12:01

Tgt Ion: 98 Resp: 2667683  
Ion Ratio Lower Upper  
98 100  
100 49.7 51.6 77.4#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052857.D

Acq: 13 Dec 2018 12:01

Instrument :

MSVOA\_N

ClientSampleId :

055\_BT-1-1

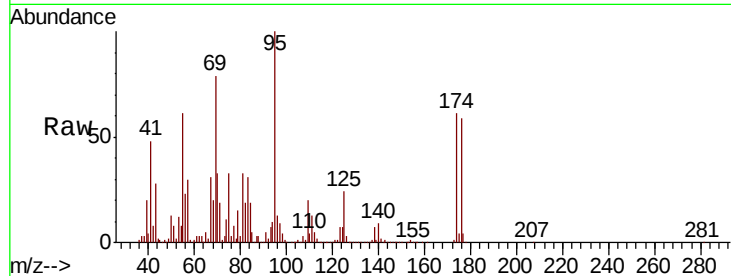
Tot Ion: 95 Resp: 1045981

Ion Ratio Lower Upper

95 100

174 59.6 0.0 178.8

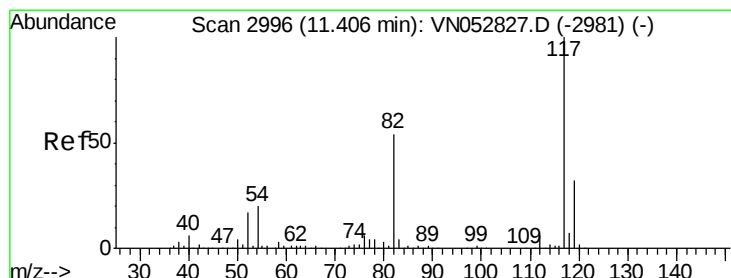
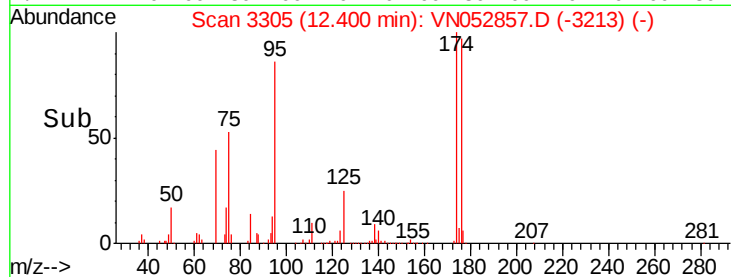
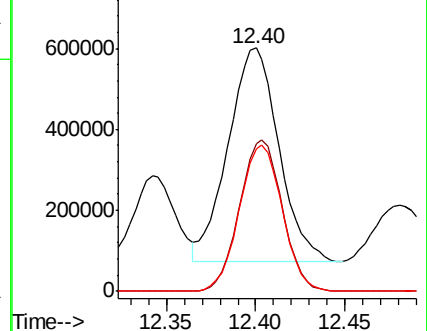
176 57.9 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052827.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052827.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052827.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052857.D

Acq: 13 Dec 2018 12:01

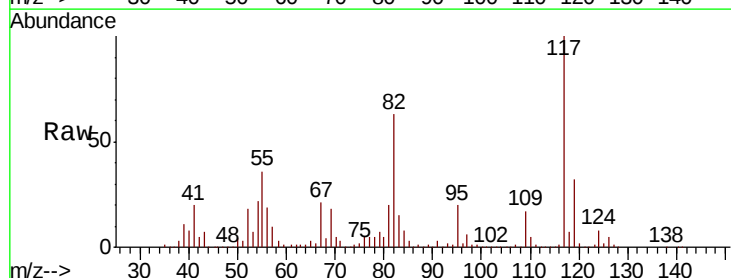
Tgt Ion: 117 Resp: 1450638

Ion Ratio Lower Upper

117 100

82 47.7 42.8 64.2

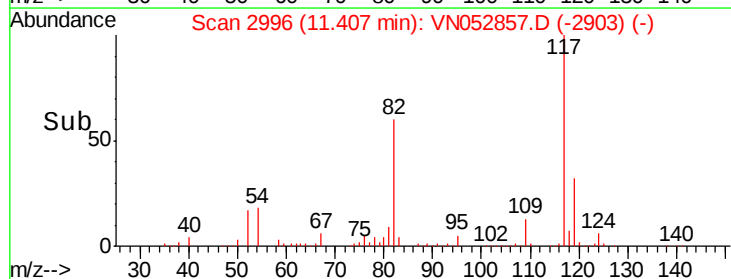
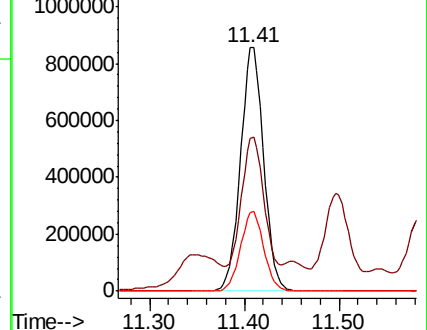
119 32.5 25.5 38.3

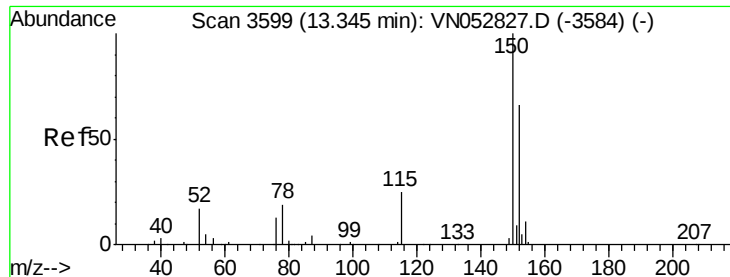


Abundance Ion 116.90 (116.60 to 117.60): VN052827.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052827.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052827.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052857.D

Acq: 13 Dec 2018 12:01

Instrument :

MSVOA\_N

ClientSampleId :

055\_BT-1-1

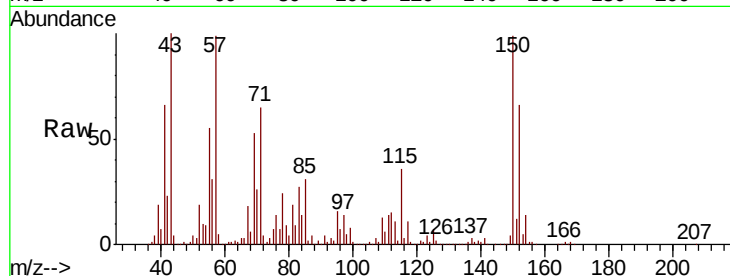
Tot Ion:152 Resp: 769640

Ion Ratio Lower Upper

152 100

115 51.8 28.3 85.0

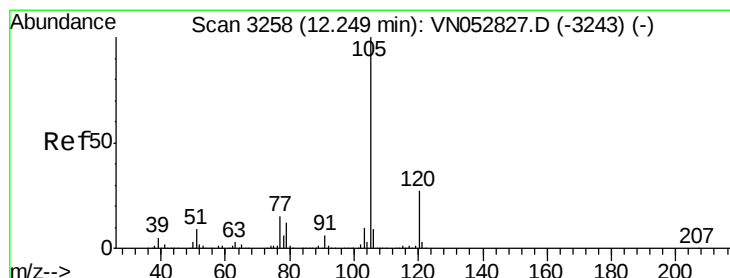
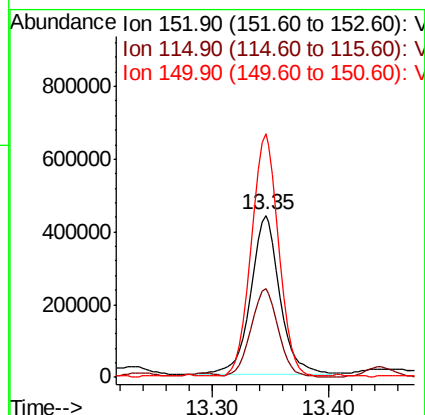
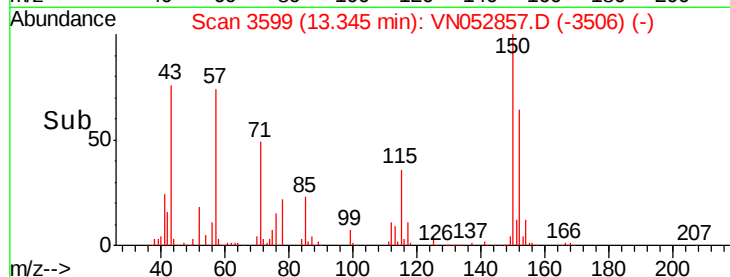
150 142.3 0.0 347.8



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: 32.390 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052857.D

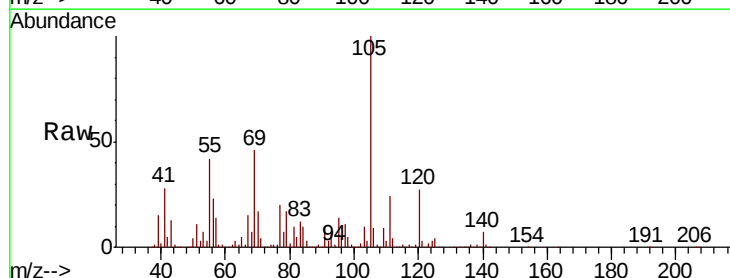
Acq: 13 Dec 2018 12:01

Tgt Ion:105 Resp: 1861239

Ion Ratio Lower Upper

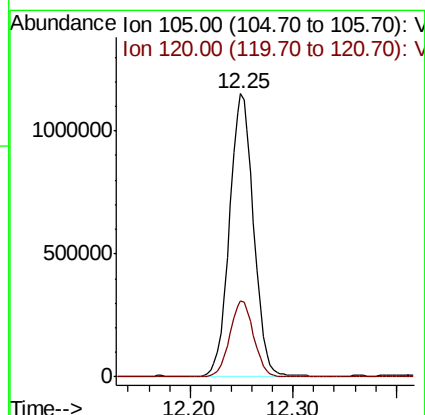
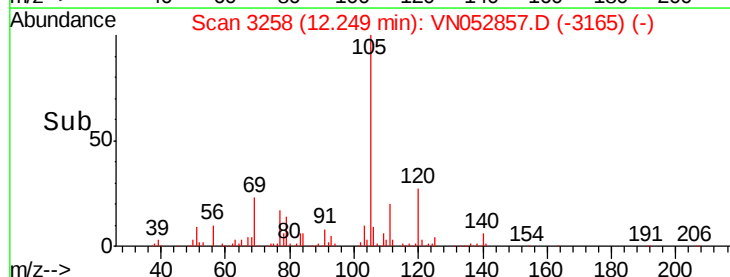
105 100

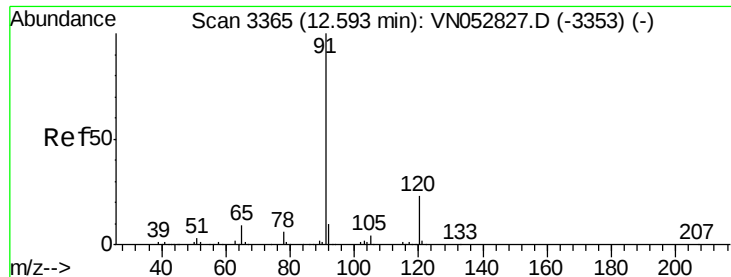
120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 75.940 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052857.D

Acq: 13 Dec 2018 12:01

Instrument :

MSVOA\_N

ClientSampleId :

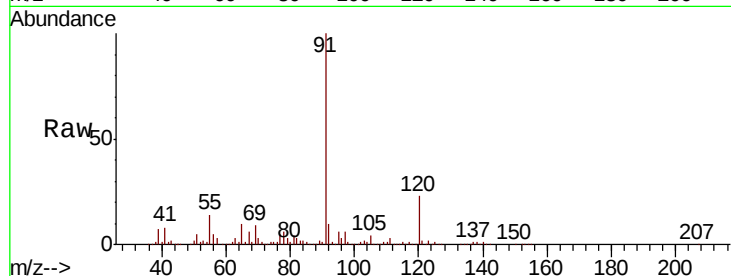
055\_BT-1-1

Tot Ion: 91 Resp: 4976898

Ion Ratio Lower Upper

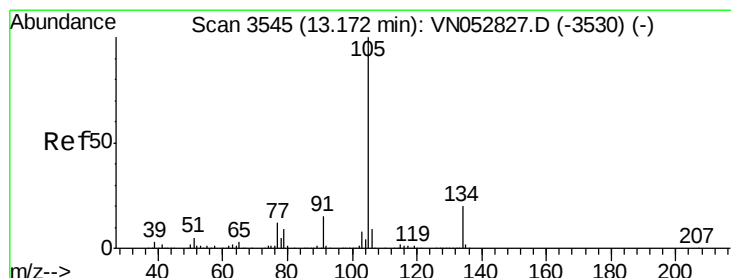
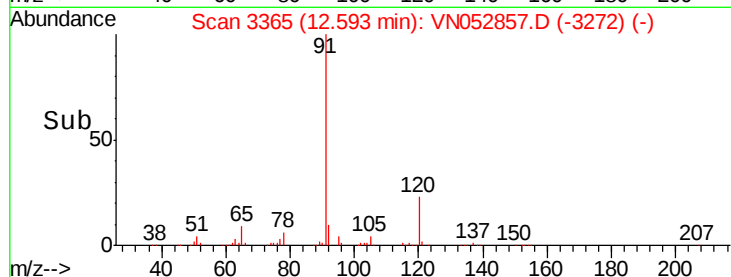
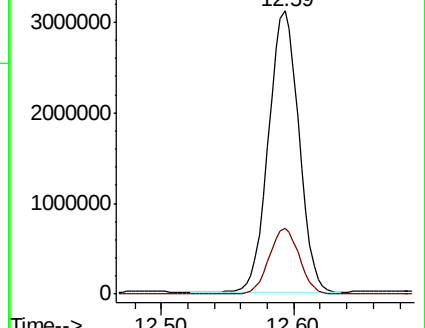
91 100

120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3353) (-)

Ion 120.00 (119.70 to 120.70): VN052827.D (-3353) (-)



#85

sec-Butylbenzene

Concen: 24.510 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052857.D

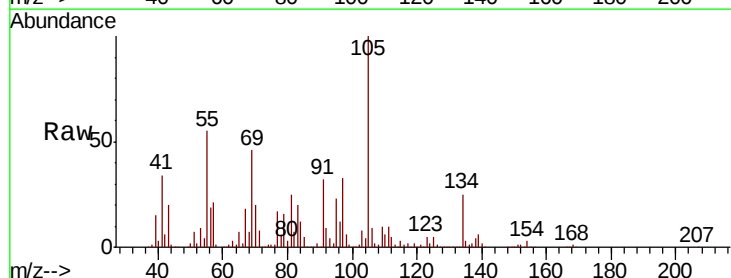
Acq: 13 Dec 2018 12:01

Tgt Ion:105 Resp: 1358250

Ion Ratio Lower Upper

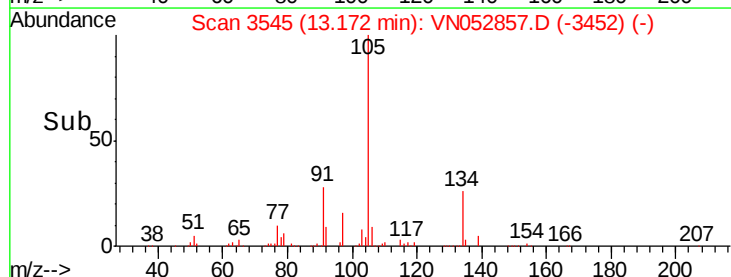
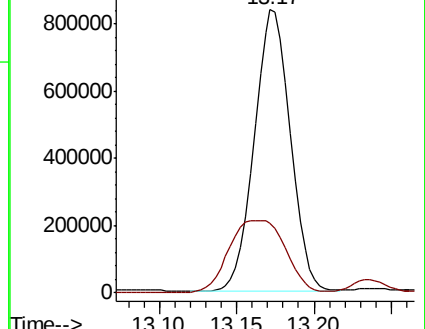
105 100

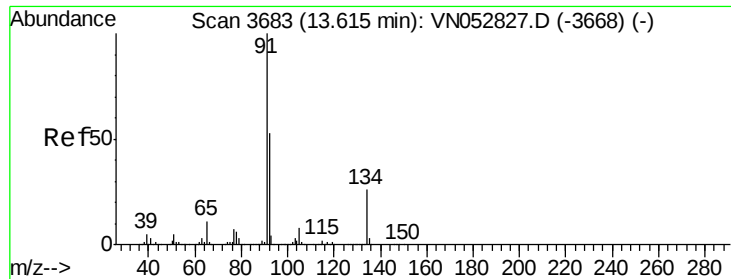
134 40.1 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): VN052827.D (-3530) (-)

Ion 134.00 (133.70 to 134.70): VN052827.D (-3530) (-)





#89

n-Butylbenzene

Concen: 61.356 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052857.D

Acq: 13 Dec 2018 12:01

Instrument :

MSVOA\_N

ClientSampleId :

055\_BT-1-1

Tot Ion: 91 Resp: 2479919

Ion Ratio Lower Upper

91 100

92 47.1 26.3 78.9

134 50.2 13.3 39.8#

