

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010319\  
 Data File : VN053268.D  
 Acq On : 3 Jan 2019 17:51  
 Operator : MD\SY  
 Sample : PB116111ZHE#13  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB116111ZHE#13

Quant Time: Jan 04 07:44:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

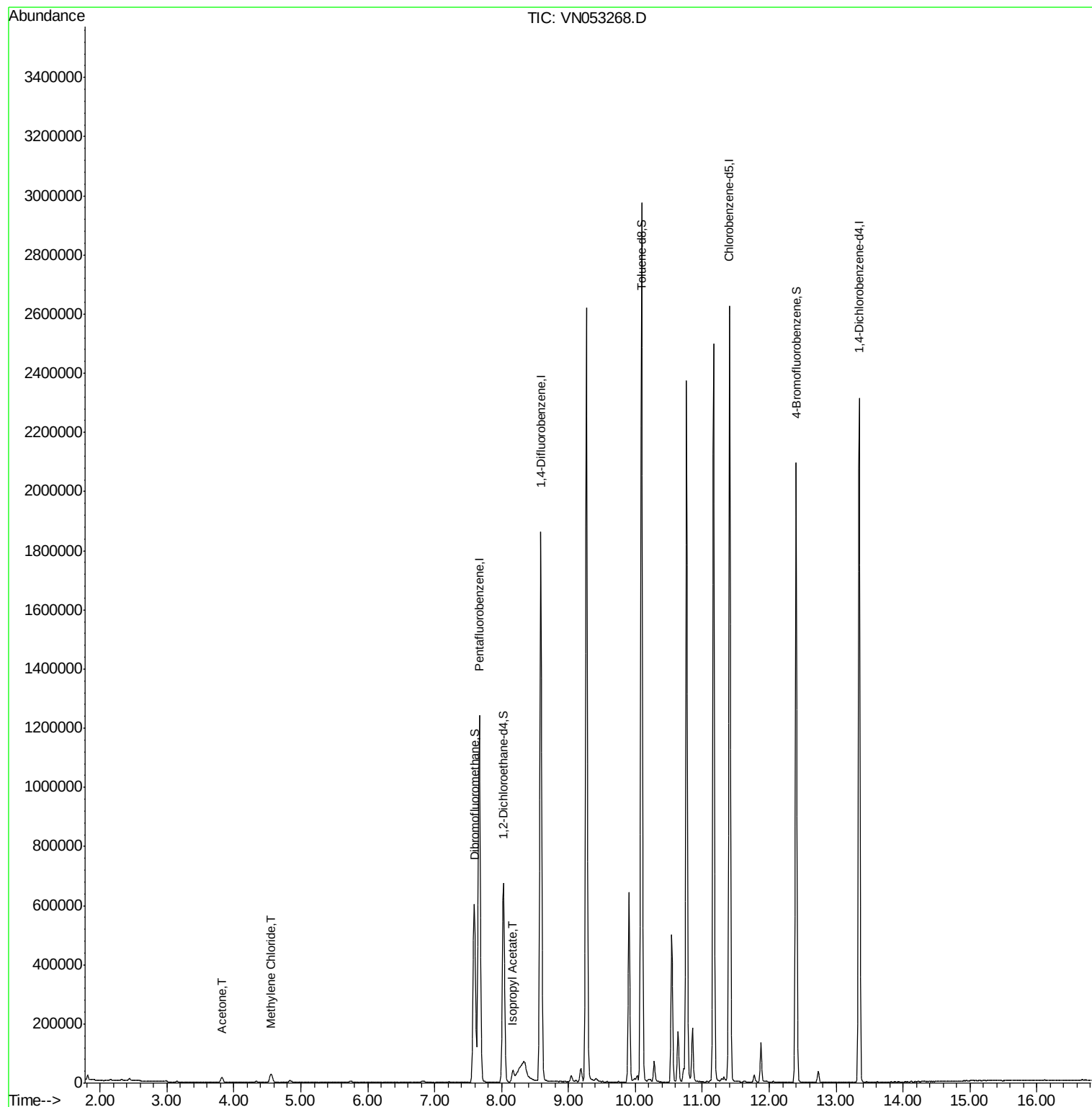
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1094670  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1713114  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1592790  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 657288   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 558728   | 50.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.60% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 473233   | 60.47  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 120.94% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2121232  | 50.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.98% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 726328   | 49.25  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.50%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 30596    | 14.047 | ug/l    | 93       |
| 20) Methylene Chloride      | 4.55  | 84   | 21781    | 1.833  | ug/l    | 94       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 48993    | 1.750  | ug/l #  | 87       |

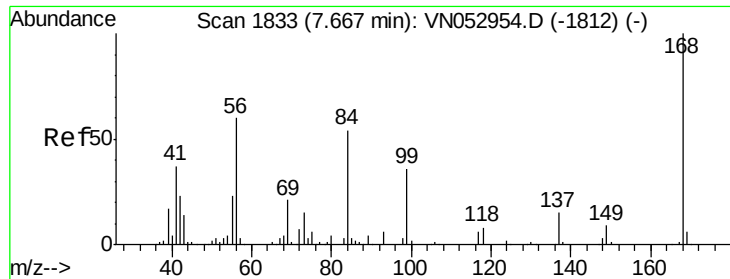
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN010319\  
Data File : VN053268.D  
Acq On : 3 Jan 2019 17:51  
Operator : MD\SY  
Sample : PB116111ZHE#13  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 21 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB116111ZHE#13

Quant Time: Jan 04 07:44:34 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 18 13:03:37 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053268.D

Acq: 3 Jan 2019 17:51

Instrument :

MSVOA\_N

ClientSampleId :

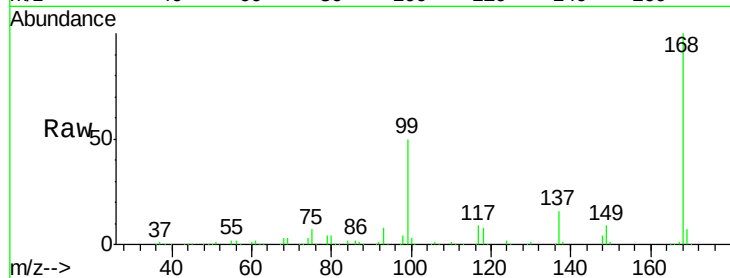
PB116111ZHE#13

Tot Ion:168 Resp: 1094670

Ion Ratio Lower Upper

168 100

99 49.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

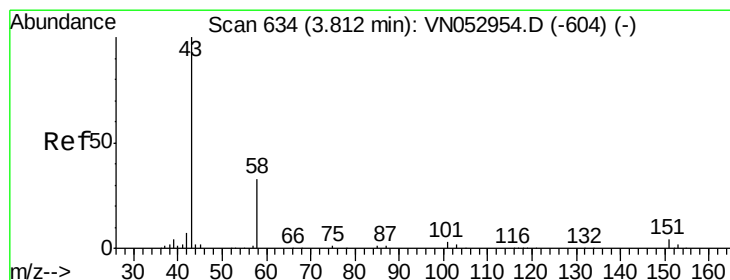
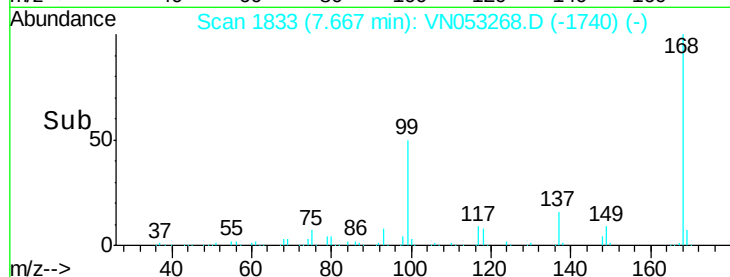
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 14.047 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053268.D

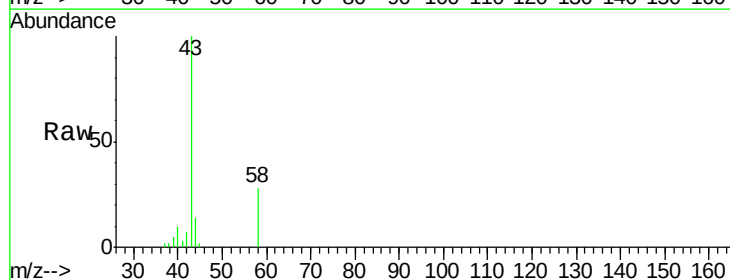
Acq: 3 Jan 2019 17:51

Tgt Ion: 43 Resp: 30596

Ion Ratio Lower Upper

43 100

58 27.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

12000

10000

8000

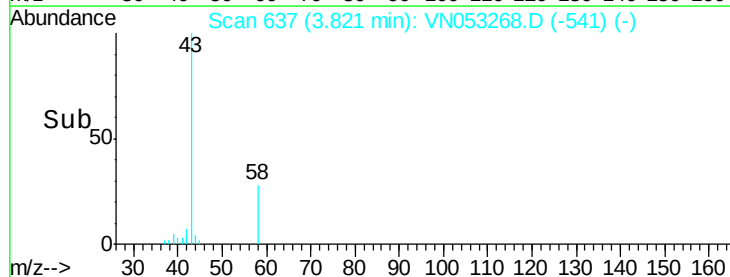
6000

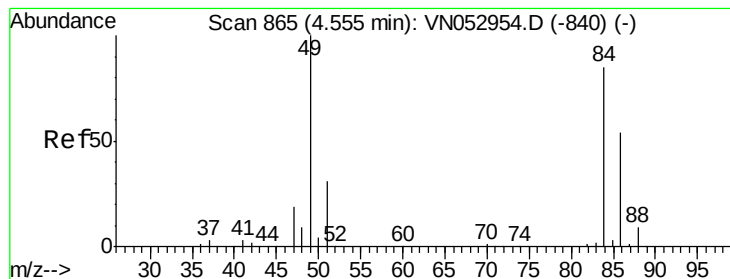
4000

2000

0

Time-->





#20

Methylene Chloride

Concen: 1.833 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN053268.D

Acq: 3 Jan 2019 17:51

Instrument :

MSVOA\_N

ClientSampleId :

PB116111ZHE#13

Tot Ion: 84 Resp: 21781

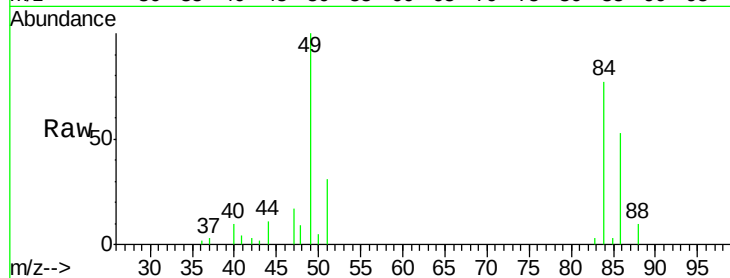
Ion Ratio Lower Upper

84 100

49 129.1 96.8 145.2

51 40.2 29.9 44.9

86 68.8 51.8 77.6

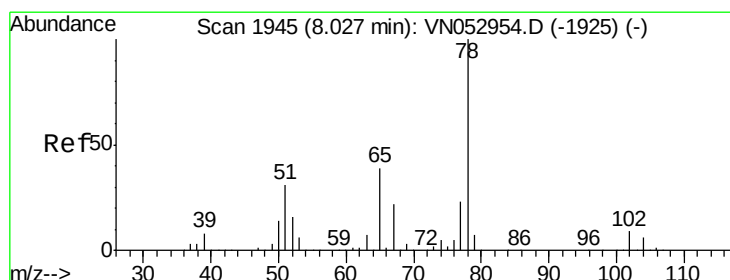
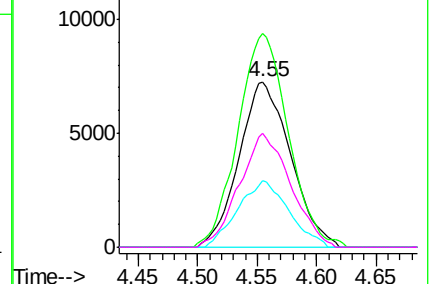
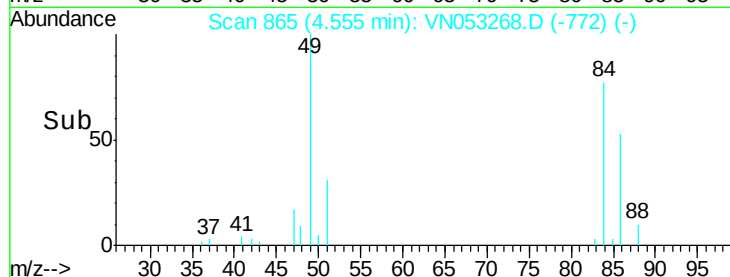


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053268.D

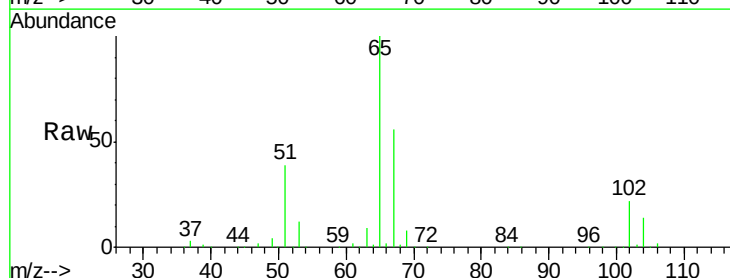
Acq: 3 Jan 2019 17:51

Tgt Ion: 65 Resp: 558728

Ion Ratio Lower Upper

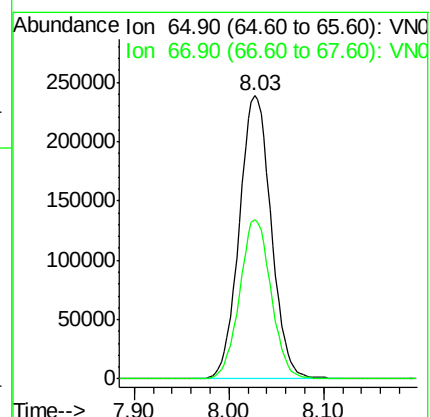
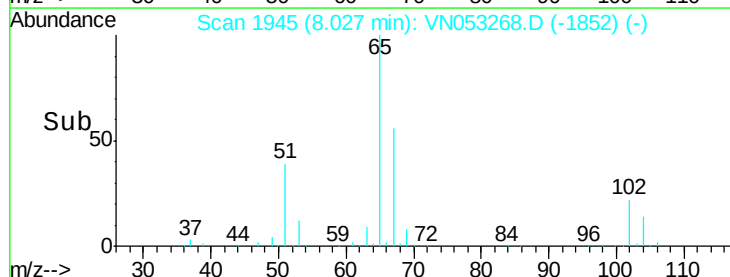
65 100

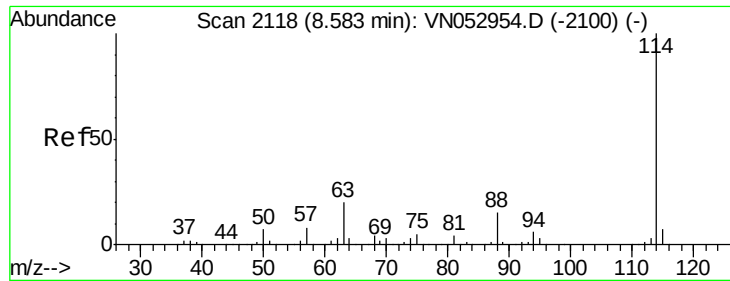
67 55.4 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

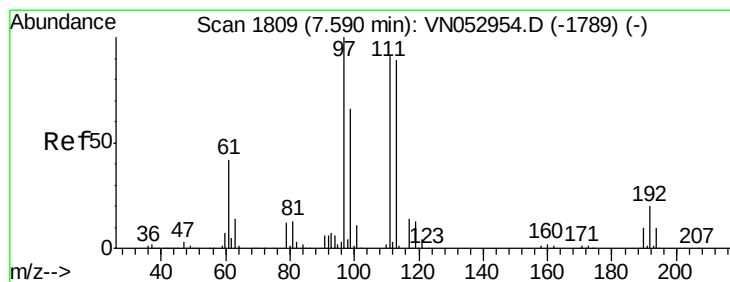
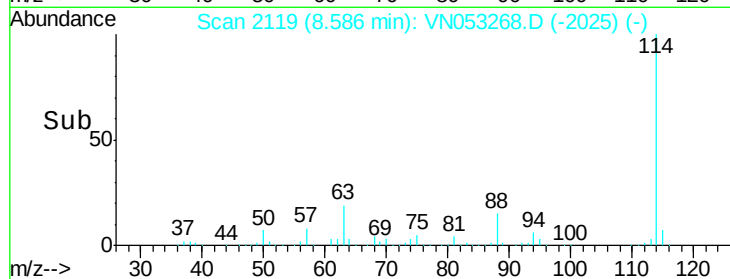
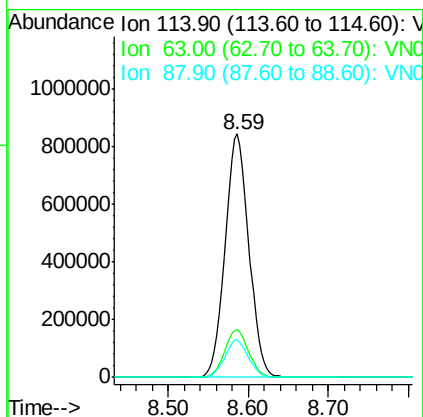
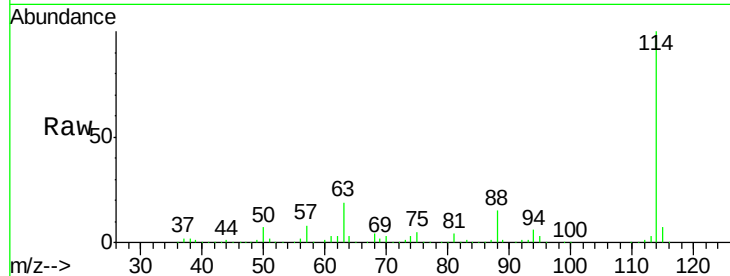




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053268.D  
 Acq: 3 Jan 2019 17:51

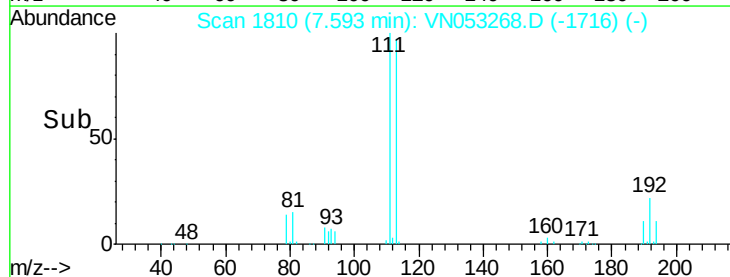
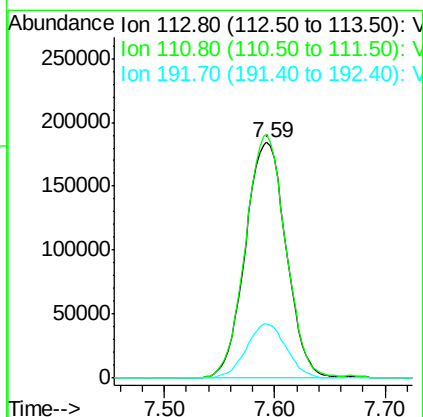
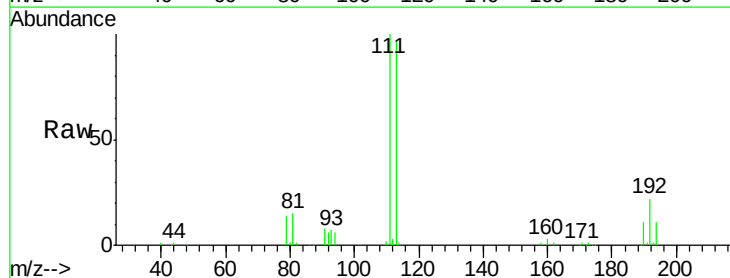
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB116111ZHE#13

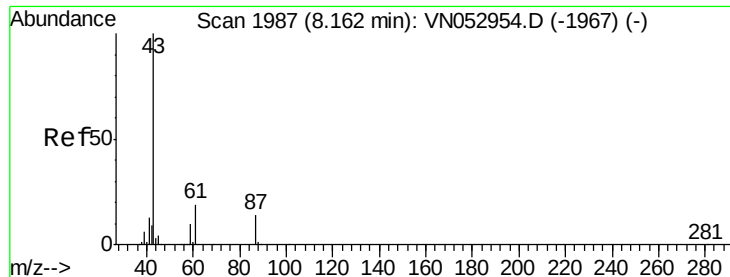
Tot Ion:114 Resp: 1713114  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 39.8  
 88 15.4 0.0 31.0



#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN053268.D  
 Acq: 3 Jan 2019 17:51

Tgt Ion:113 Resp: 473233  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 83.0 124.4  
 192 22.5 17.5 26.3





#43

Isopropyl Acetate

Concen: 1.750 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053268.D

Acq: 3 Jan 2019 17:51

Instrument :

MSVOA\_N

ClientSampleId :

PB116111ZHE#13

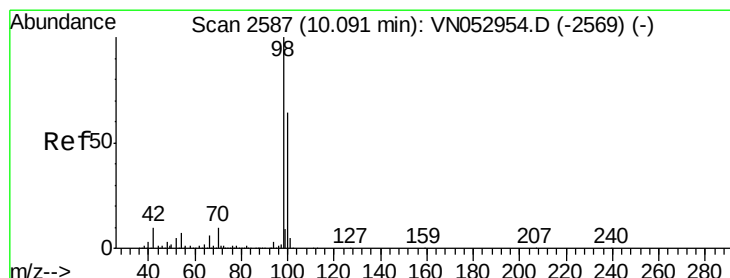
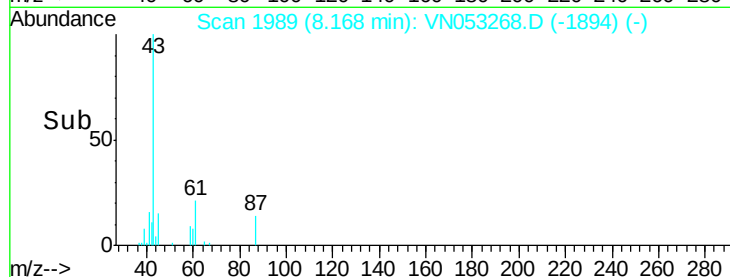
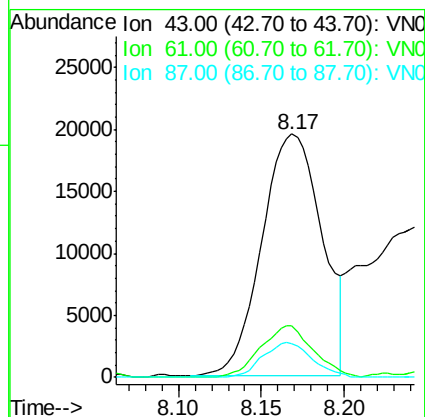
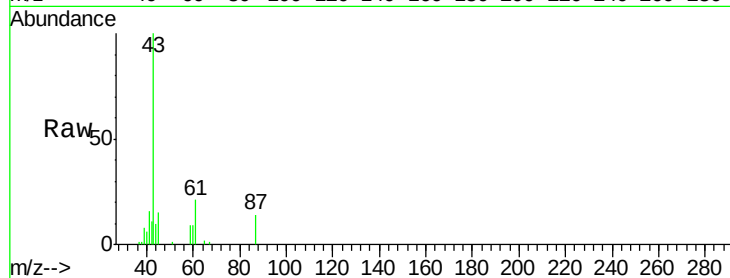
Tot Ion: 43 Resp: 48993

Ion Ratio Lower Upper

43 100

61 18.9 22.9 34.3#

87 11.9 10.6 15.8



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053268.D

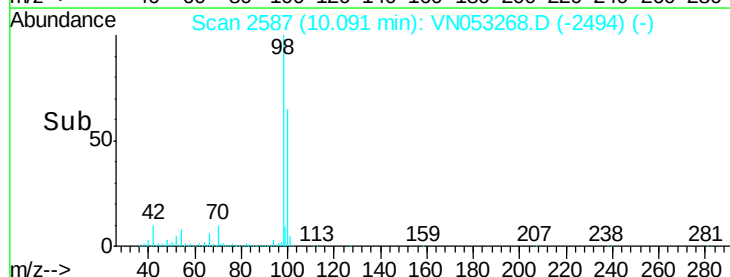
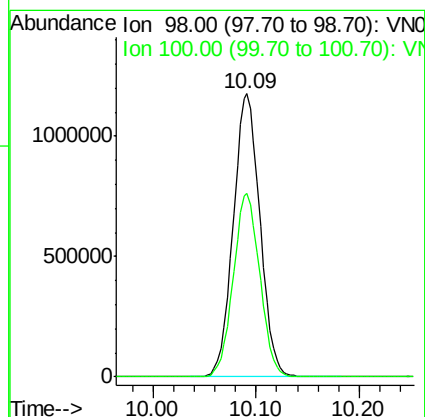
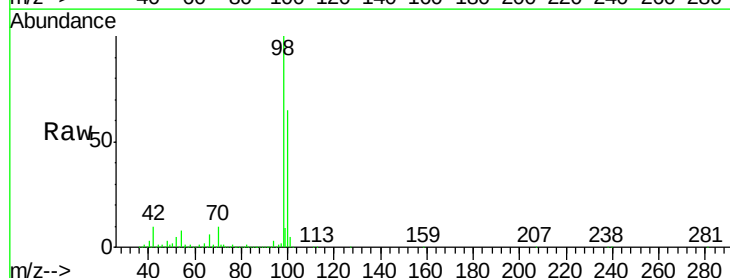
Acq: 3 Jan 2019 17:51

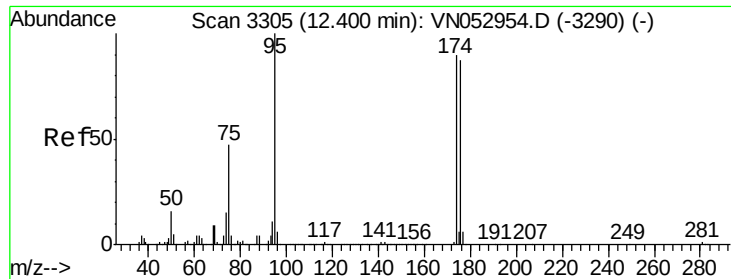
Tgt Ion: 98 Resp: 2121232

Ion Ratio Lower Upper

98 100

100 64.4 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: VN053268.D

Acq: 3 Jan 2019 17:51

Instrument :

MSVOA\_N

ClientSampleId :

PB116111ZHE#13

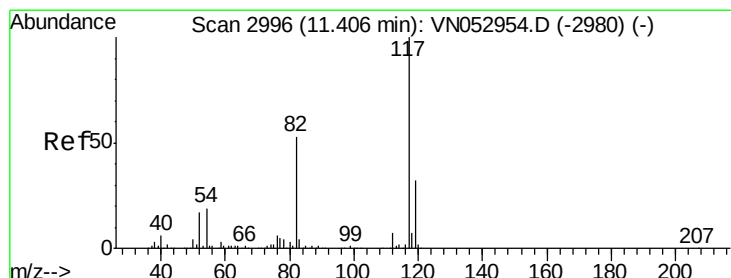
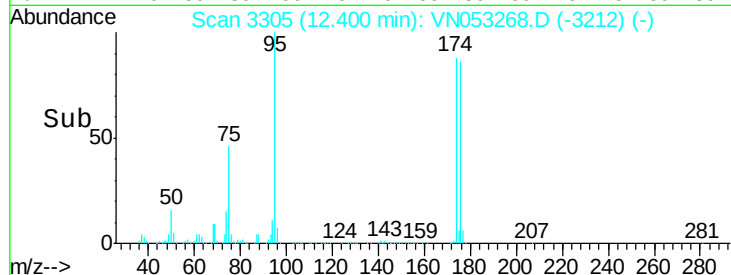
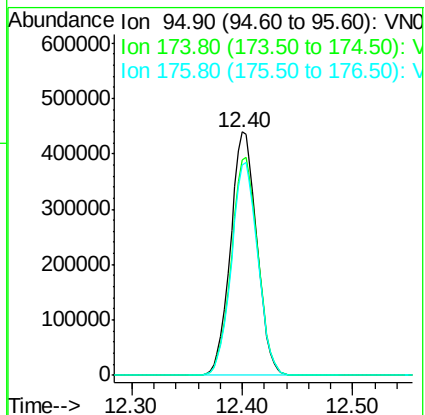
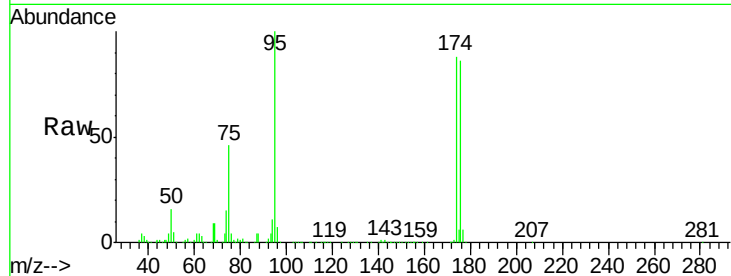
Tot Ion: 95 Resp: 726328

Ion Ratio Lower Upper

95 100

174 90.3 0.0 178.8

176 87.4 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053268.D

Acq: 3 Jan 2019 17:51

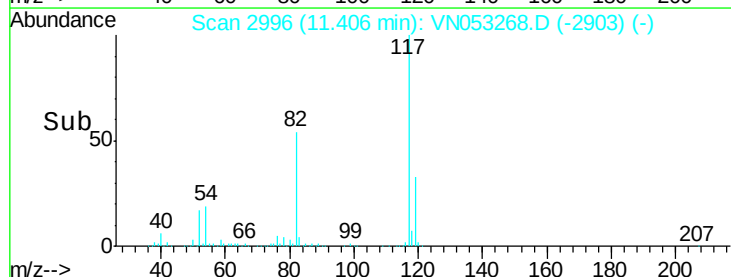
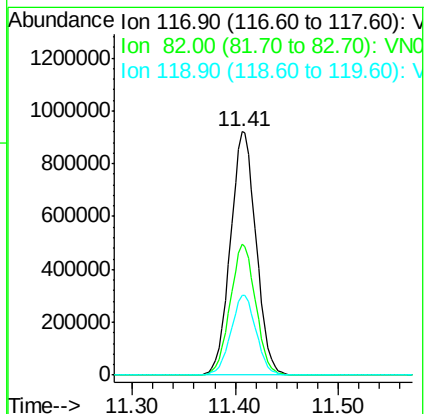
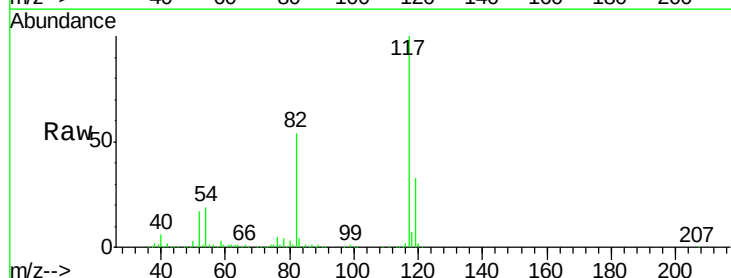
Tgt Ion: 117 Resp: 1592790

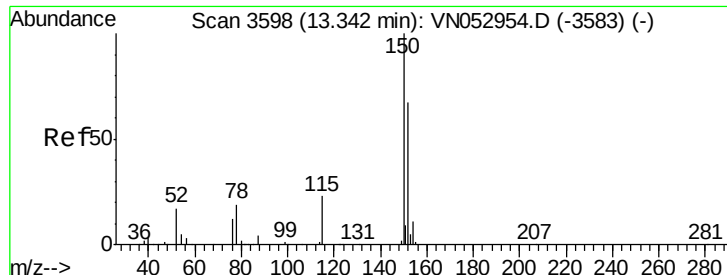
Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

119 32.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053268.D

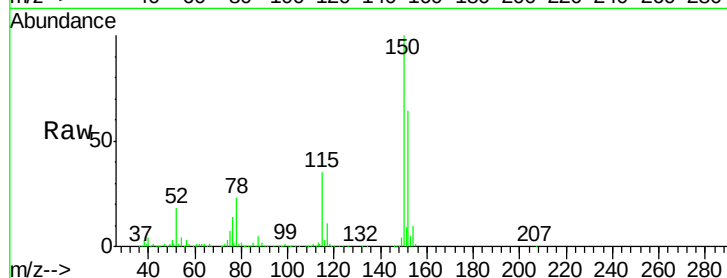
Acq: 3 Jan 2019 17:51

Instrument :

MSVOA\_N

ClientSampleId :

PB116111ZHE#13



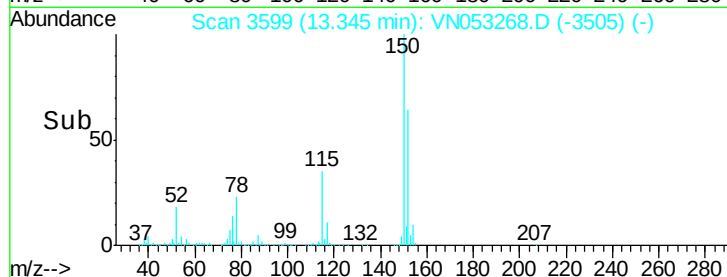
Tot Ion:152 Resp: 657288

Ion Ratio Lower Upper

152 100

115 55.3 28.3 85.0

150 156.3 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

