

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010319\  
 Data File : VN053263.D  
 Acq On : 3 Jan 2019 15:37  
 Operator : MD\SY  
 Sample : PB116111ZHE#08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB116111ZHE#08

Quant Time: Jan 04 07:31:15 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

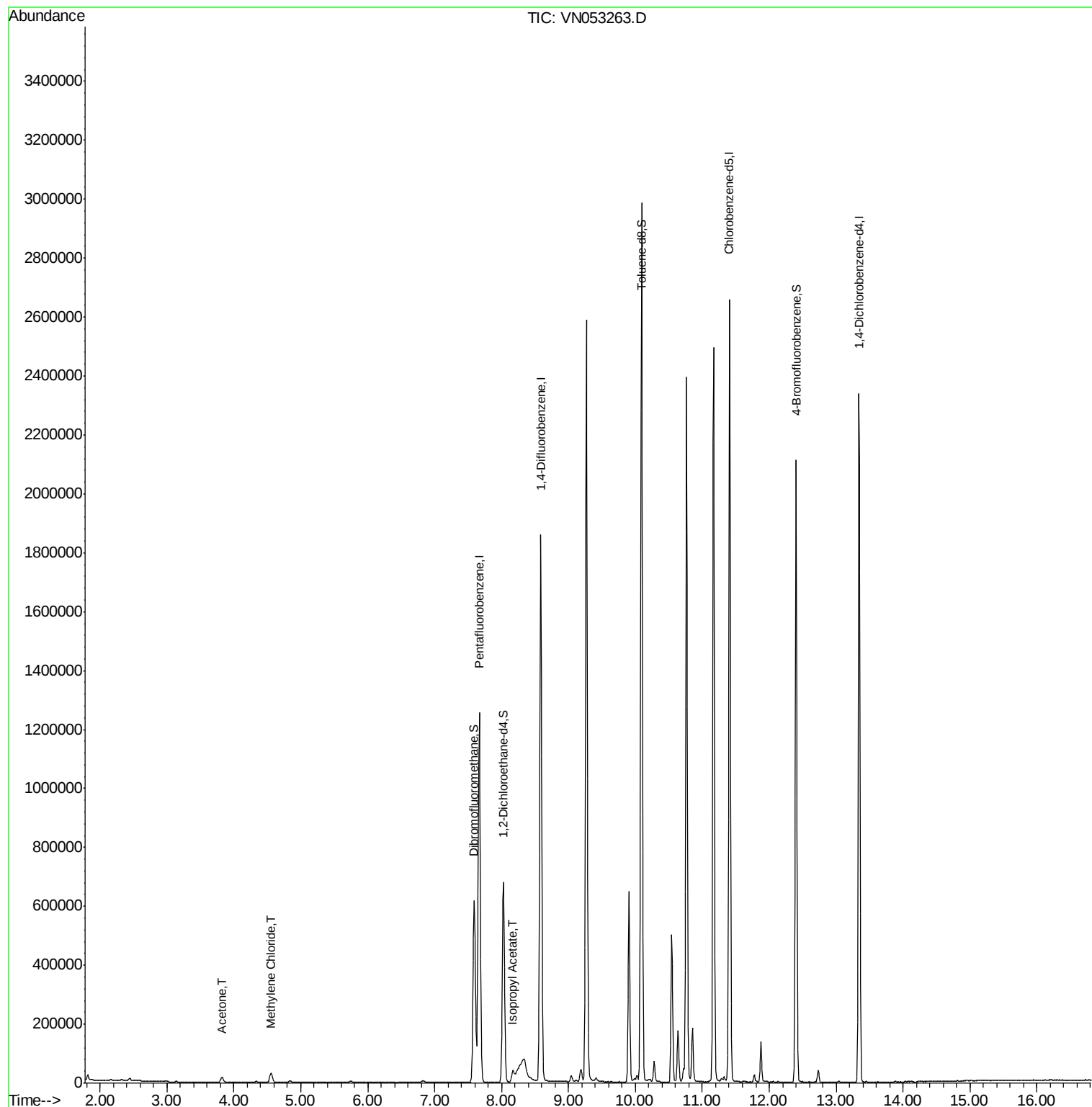
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1113688  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1742616  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1625569  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 667539   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 561406   | 49.67  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.34%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 478352   | 60.09  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 120.18% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2165664  | 50.68  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.36% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 734730   | 48.98  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.96%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 31091    | 14.031 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.55  | 84   | 25426    | 2.103  | ug/l    | 90       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 55822    | 2.088  | ug/l #  | 81       |

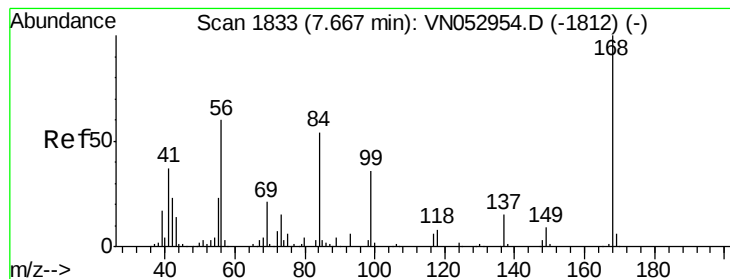
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053263.D

Acq: 3 Jan 2019 15:37

Instrument :

MSVOA\_N

ClientSampleId :

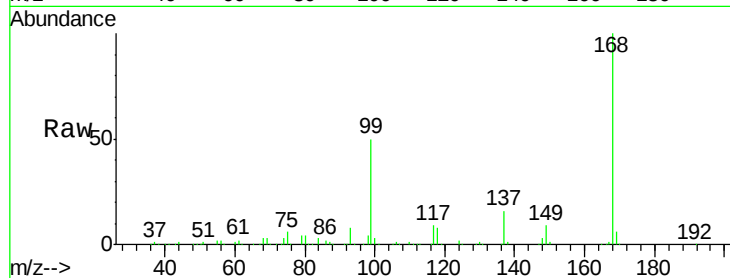
PB116111ZHE#08

Tot Ion:168 Resp: 1113688

Ion Ratio Lower Upper

168 100

99 49.6 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

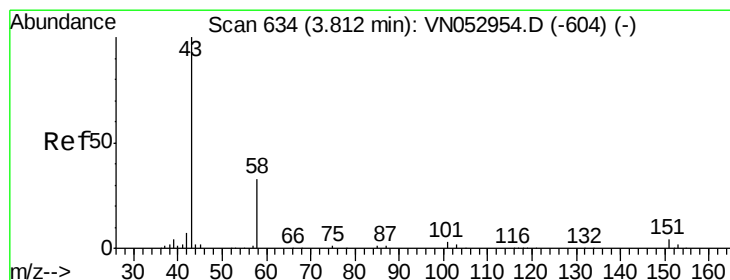
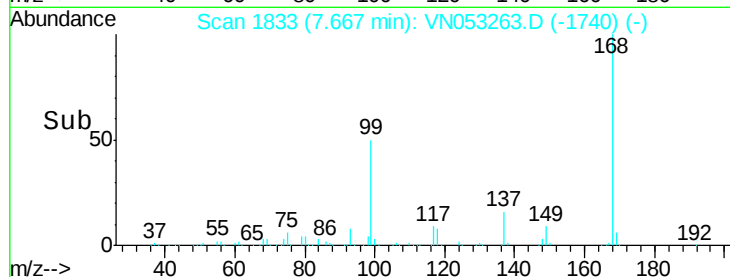
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 14.031 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053263.D

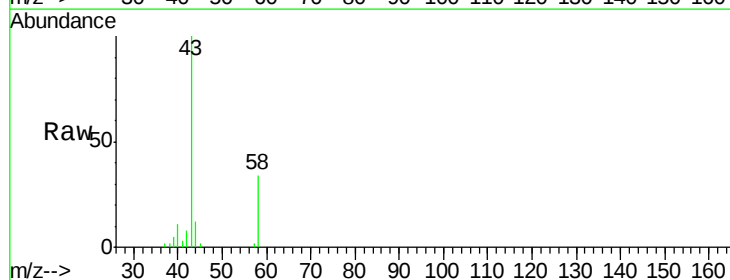
Acq: 3 Jan 2019 15:37

Tgt Ion: 43 Resp: 31091

Ion Ratio Lower Upper

43 100

58 33.6 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

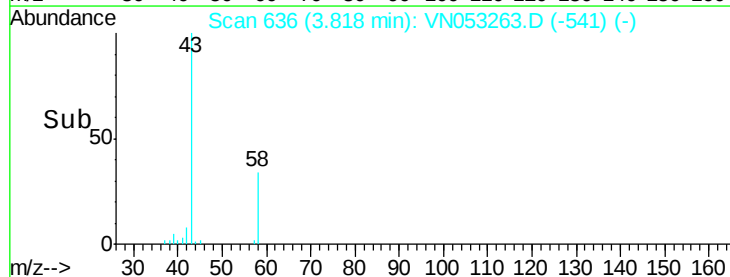
6000

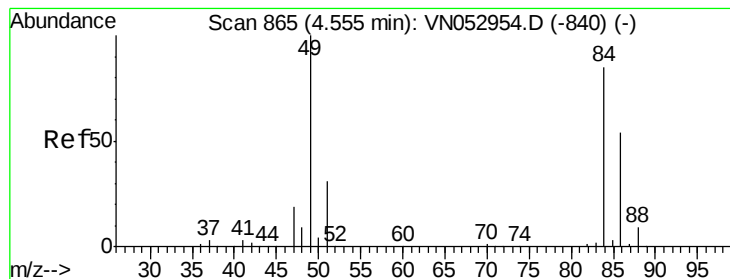
4000

2000

0

Time-->





#20

Methylene Chloride

Concen: 2.103 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN053263.D

Acq: 3 Jan 2019 15:37

Instrument :

MSVOA\_N

ClientSampleId :

PB116111ZHE#08

Tot Ion: 84 Resp: 25426

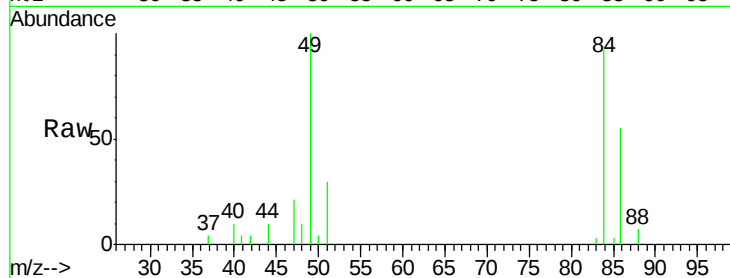
Ion Ratio Lower Upper

84 100

49 106.6 96.8 145.2

51 32.2 29.9 44.9

86 59.9 51.8 77.6

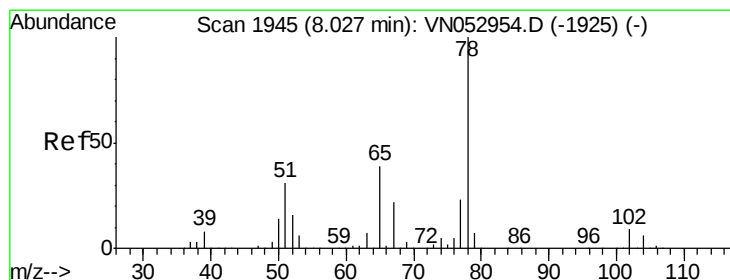
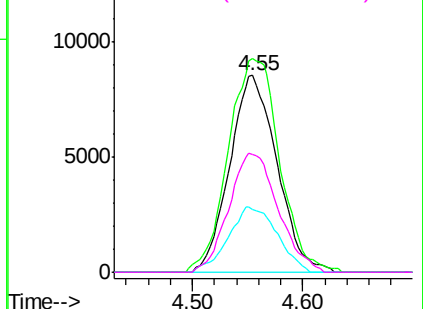
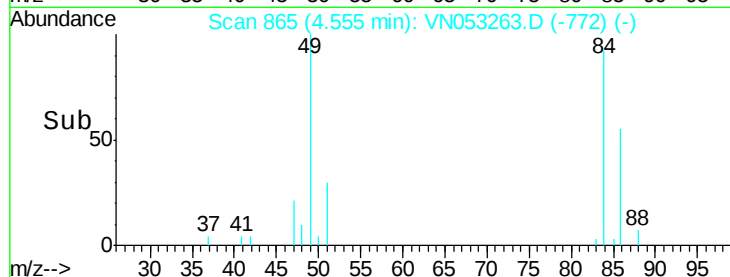


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053263.D

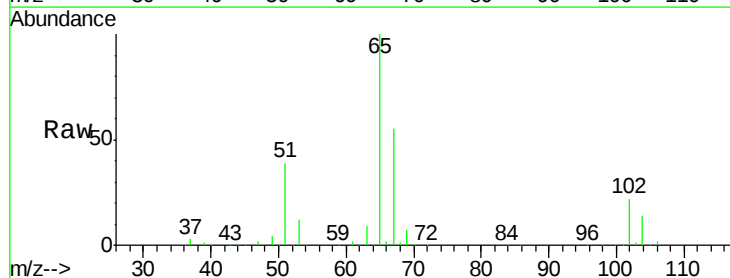
Acq: 3 Jan 2019 15:37

Tgt Ion: 65 Resp: 561406

Ion Ratio Lower Upper

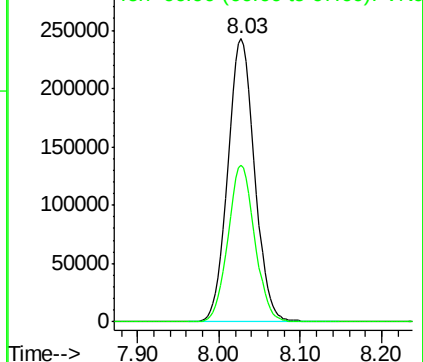
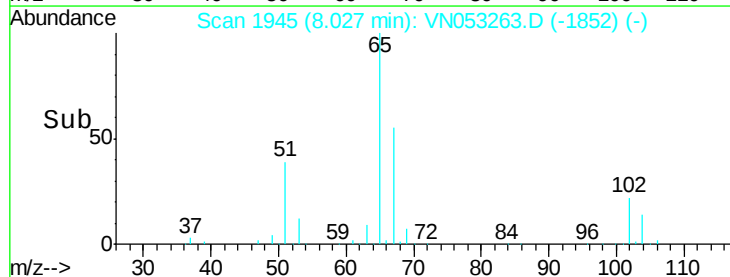
65 100

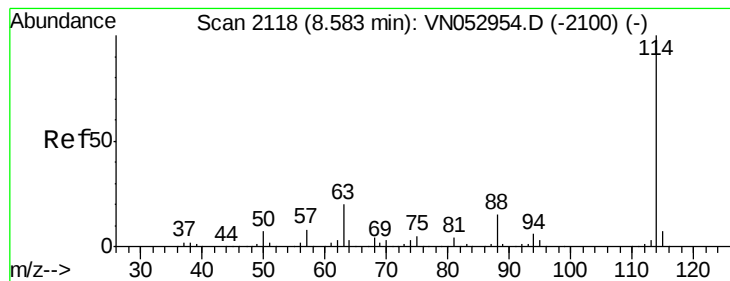
67 55.2 0.0 110.4



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: VN053263.D

Acq: 3 Jan 2019 15:37

Instrument :

MSVOA\_N

ClientSampleId :

PB116111ZHE#08

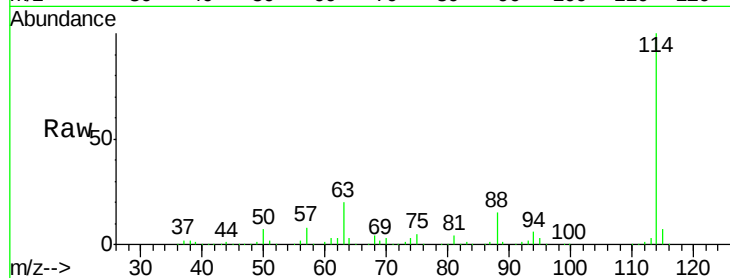
Tot Ion:114 Resp: 1742616

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

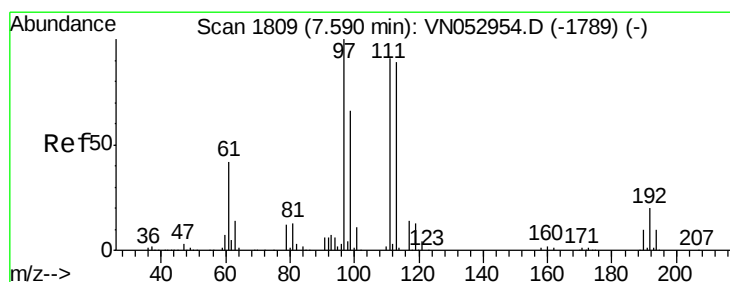
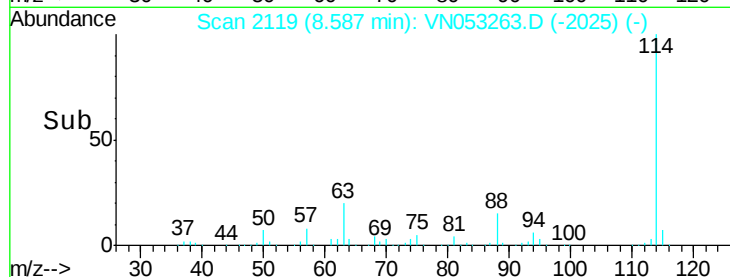
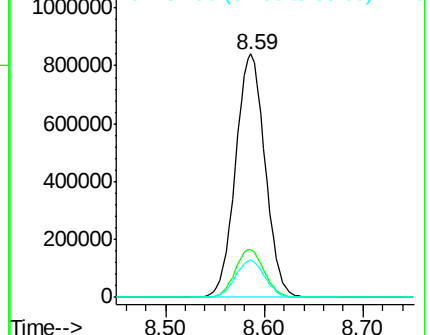
88 15.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053263.D

Acq: 3 Jan 2019 15:37

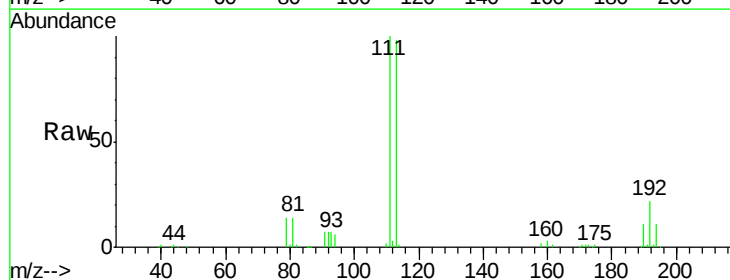
Tgt Ion:113 Resp: 478352

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.4

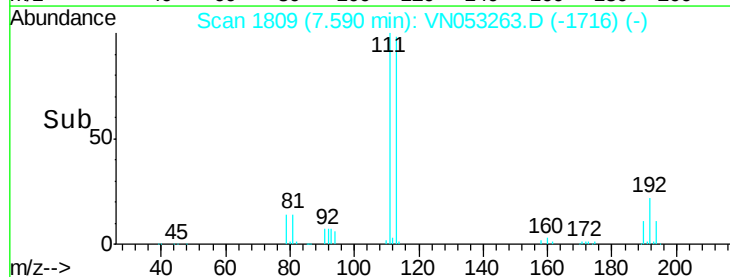
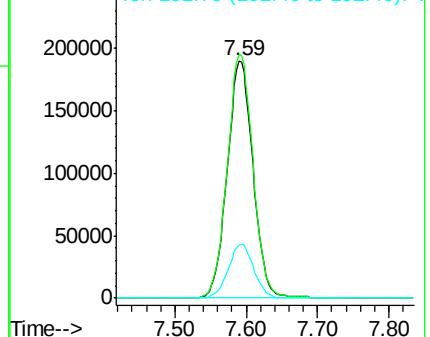
192 22.5 17.5 26.3

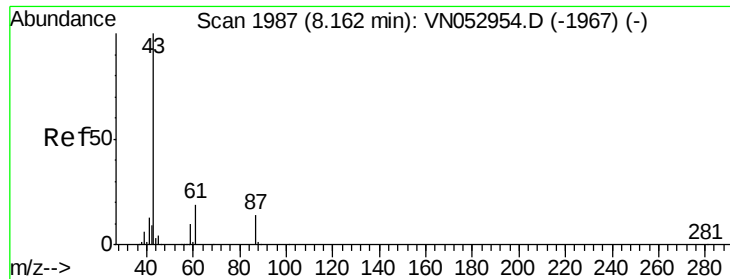


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.088 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053263.D

Acq: 3 Jan 2019 15:37

Instrument :

MSVOA\_N

ClientSampleId :

PB116111ZHE#08

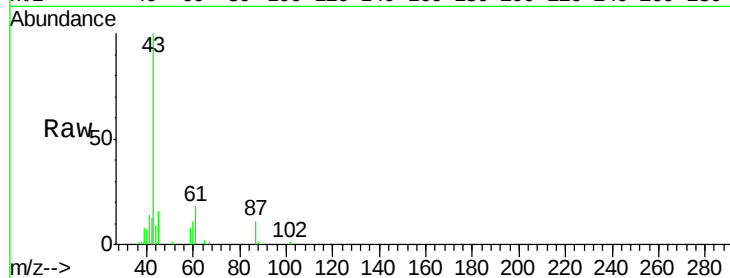
Tot Ion: 43 Resp: 55822

Ion Ratio Lower Upper

43 100

61 15.6 22.9 34.3#

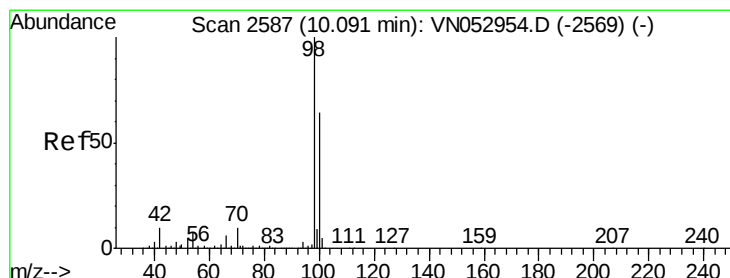
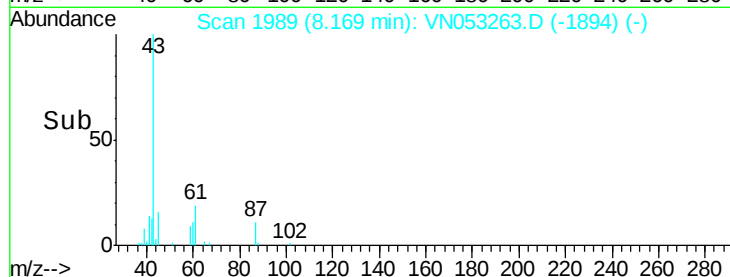
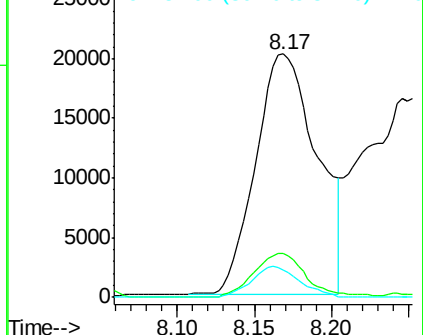
87 10.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053263.D

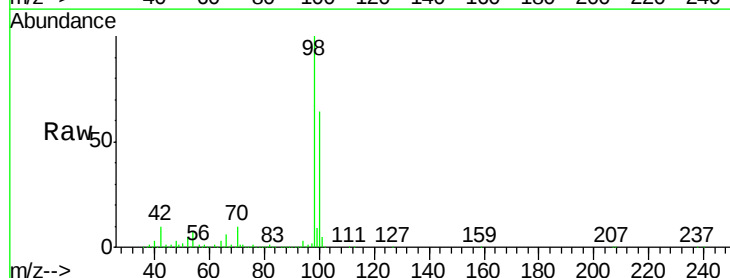
Acq: 3 Jan 2019 15:37

Tgt Ion: 98 Resp: 2165664

Ion Ratio Lower Upper

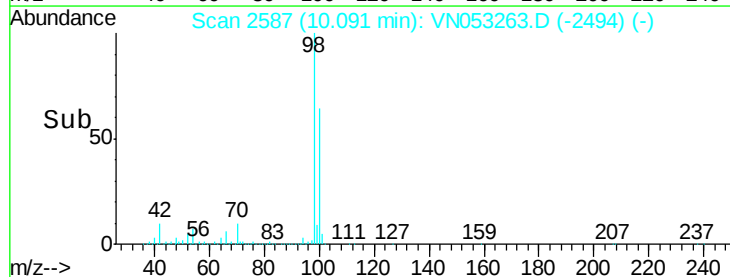
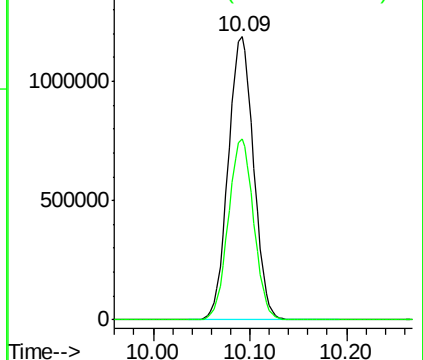
98 100

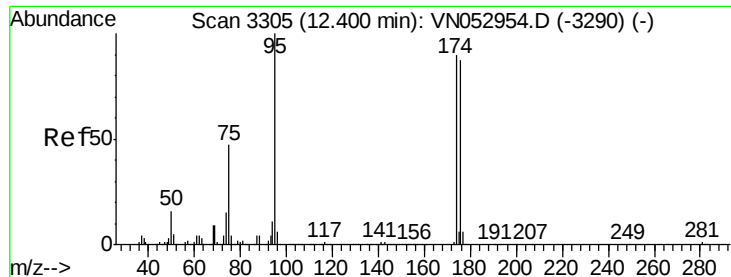
100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053263.D

Acq: 3 Jan 2019 15:37

Instrument :

MSVOA\_N

ClientSampleId :

PB116111ZHE#08

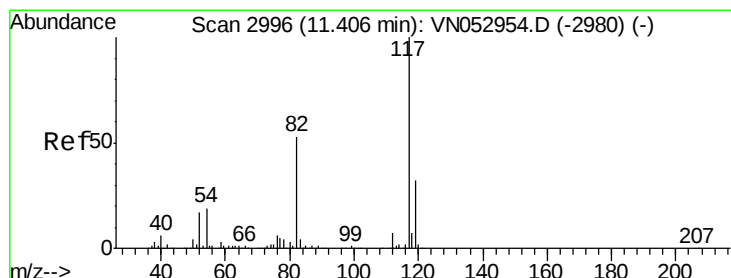
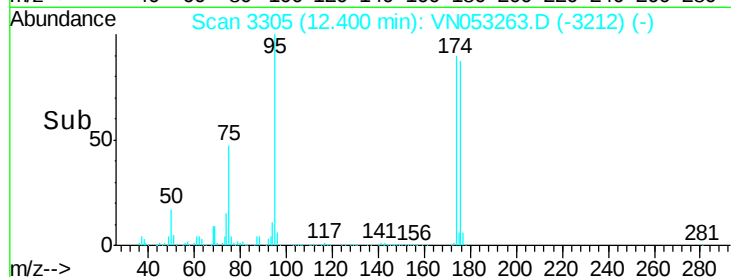
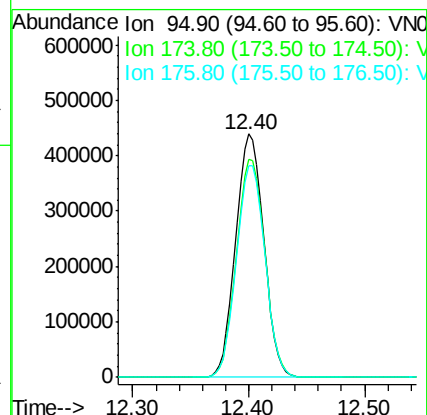
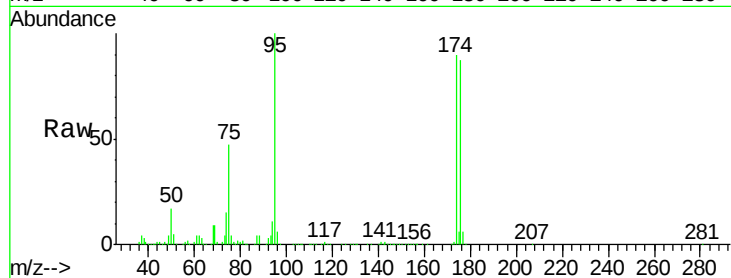
Tot Ion: 95 Resp: 734730

Ion Ratio Lower Upper

95 100

174 90.7 0.0 178.8

176 88.3 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: VN053263.D

Acq: 3 Jan 2019 15:37

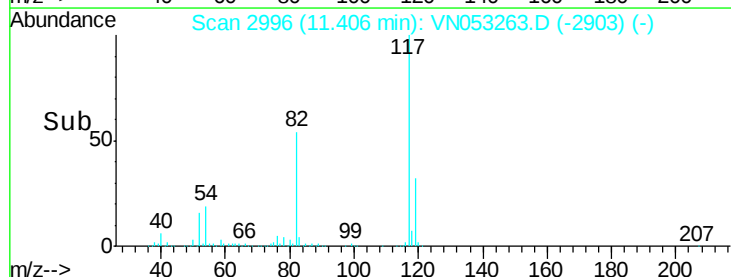
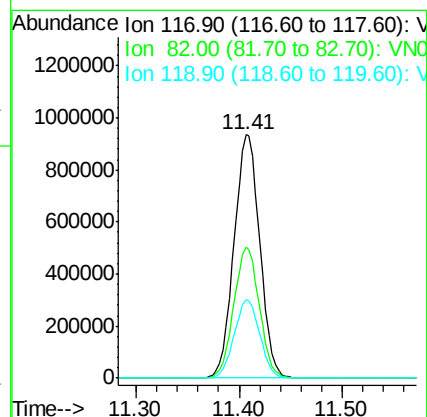
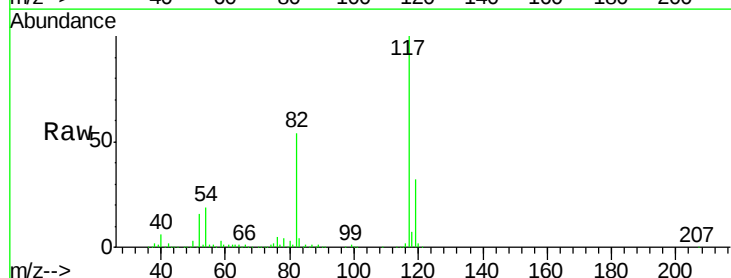
Tgt Ion: 117 Resp: 1625569

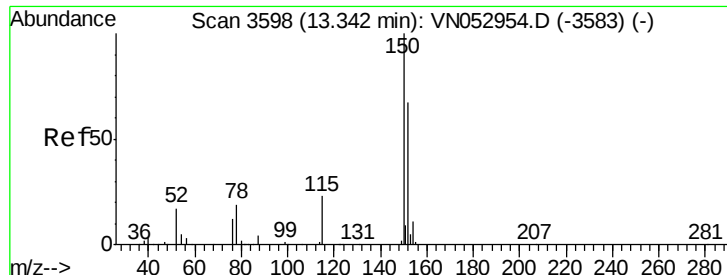
Ion Ratio Lower Upper

117 100

82 53.8 42.8 64.2

119 32.0 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: VN053263.D

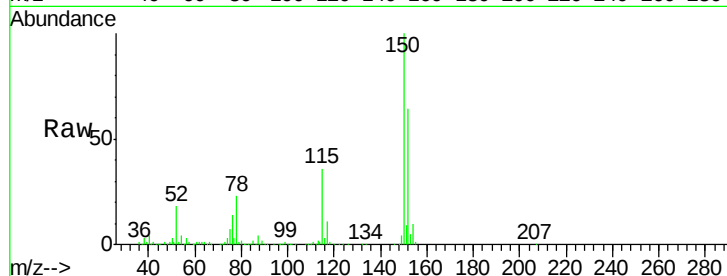
Acq: 3 Jan 2019 15:37

Instrument :

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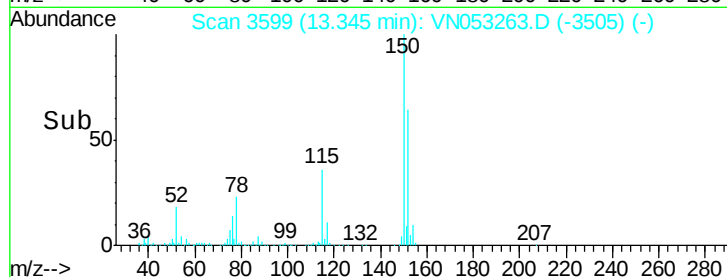
Tot Ion:152 Resp: 667539

Ion Ratio Lower Upper

152 100

115 55.7 28.3 85.0

150 156.4 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

