

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\  
 Data File : VN052836.D  
 Acq On : 12 Dec 2018 19:20  
 Operator : MD\SY  
 Sample : PB115564TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB115564TB

Quant Time: Dec 13 04:32:39 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

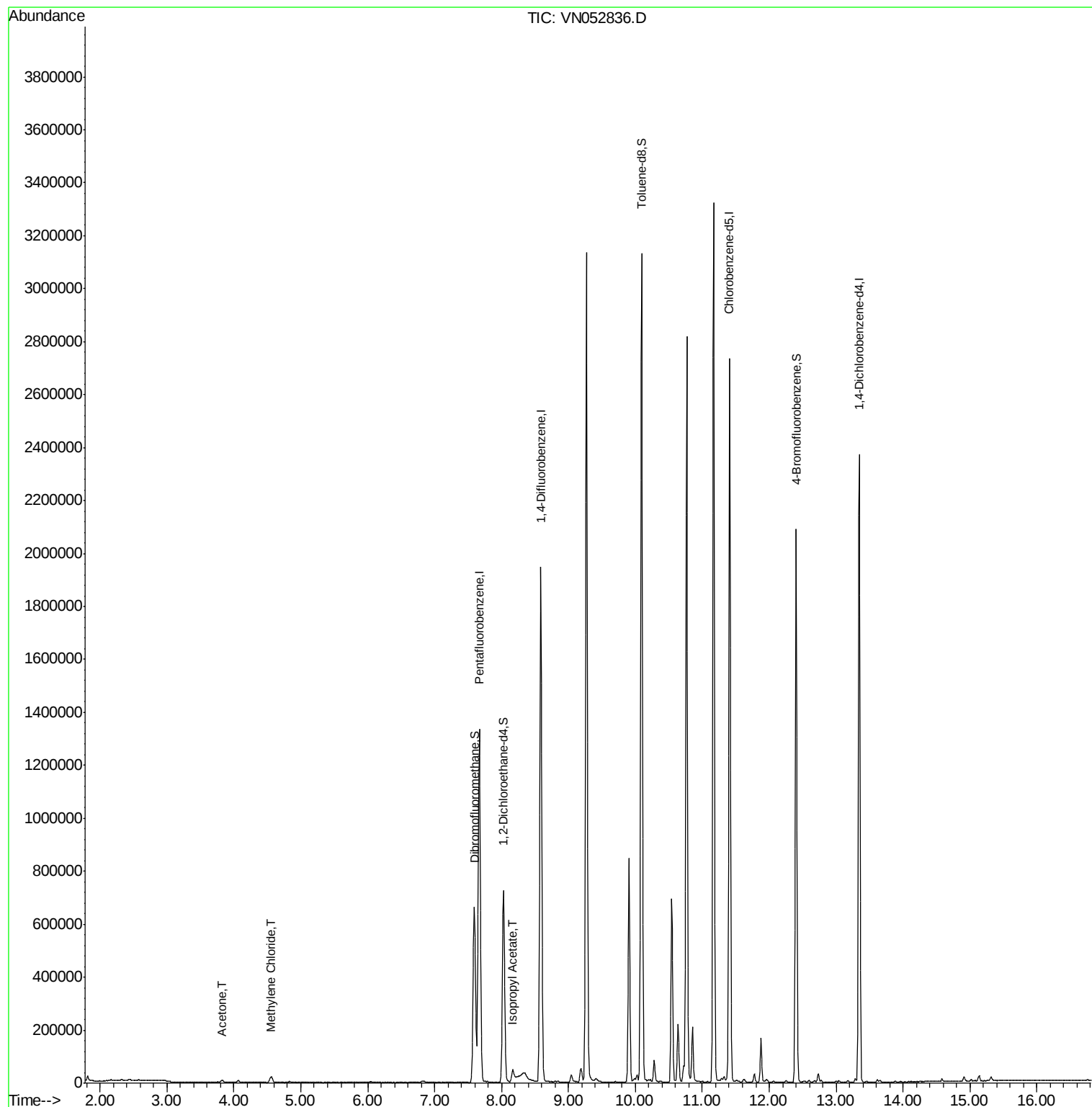
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1179207  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1826020  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1629152  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 674631   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 606906   | 48.40 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.80%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 521795   | 51.19 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.38% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2243973  | 50.78 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.56% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 732026   | 48.88 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.76%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 15713    | 5.580 | ug/l    | 96       |
| 20) Methylene Chloride      | 4.55  | 84   | 16554    | 1.306 | ug/l    | 94       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 68685    | 3.316 | ug/l #  | 82       |

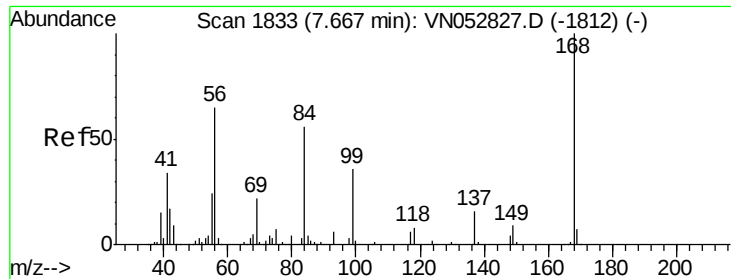
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121218\  
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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: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052836.D

Acq: 12 Dec 2018 19:20

Instrument :

MSVOA\_N

ClientSampled :

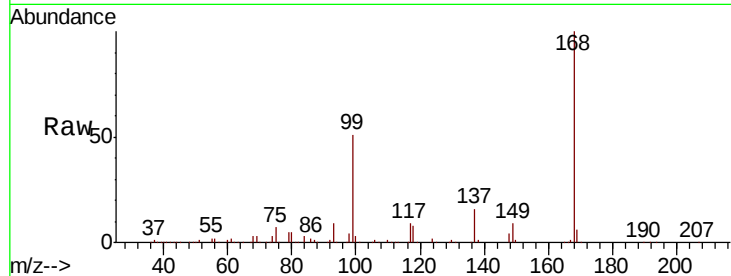
PB115564TB

Tot Ion:168 Resp: 1179207

Ion Ratio Lower Upper

168 100

99 51.3 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) (-)

7.67

500000

400000

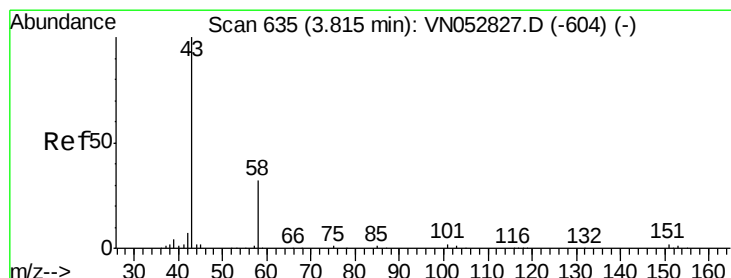
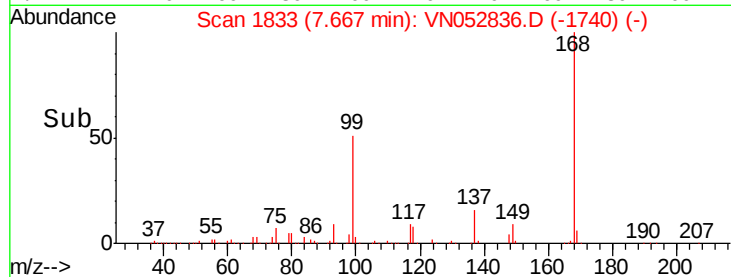
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 5.580 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052836.D

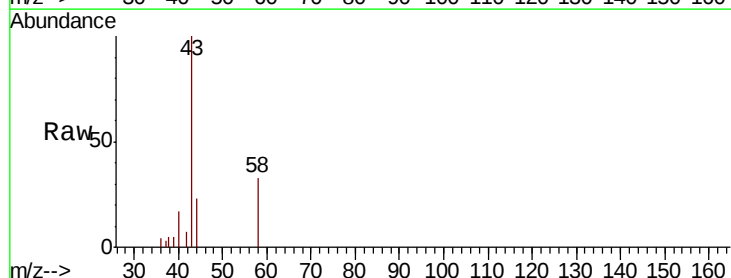
Acq: 12 Dec 2018 19:20

Tgt Ion: 43 Resp: 15713

Ion Ratio Lower Upper

43 100

58 34.2 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-604) (-)

3.82

6000

5000

4000

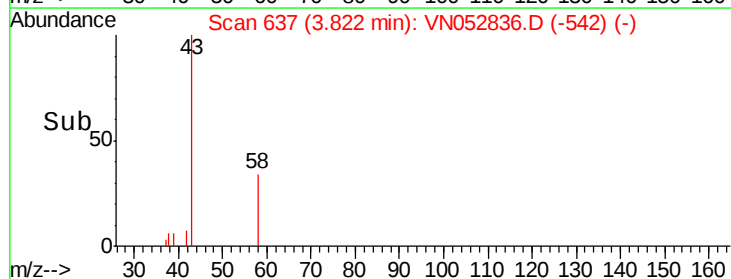
3000

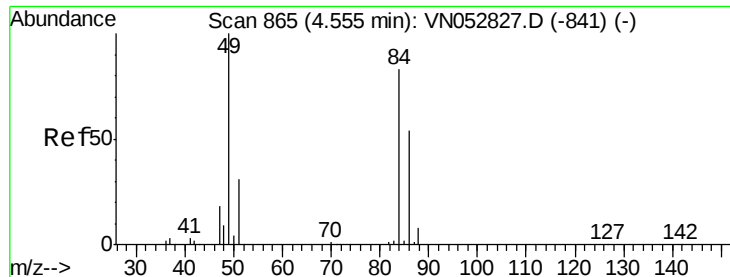
2000

1000

0

Time-->

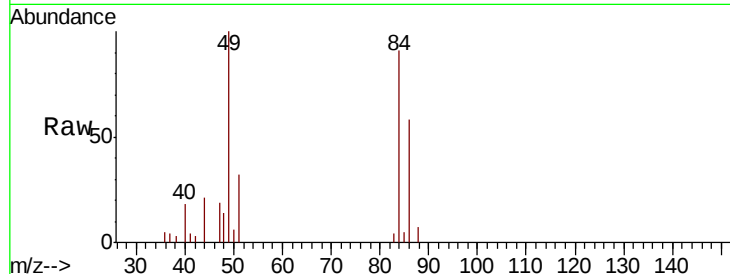




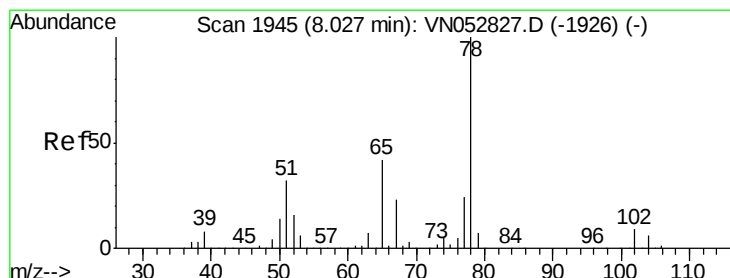
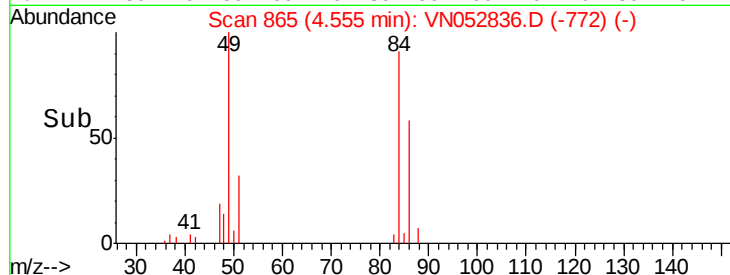
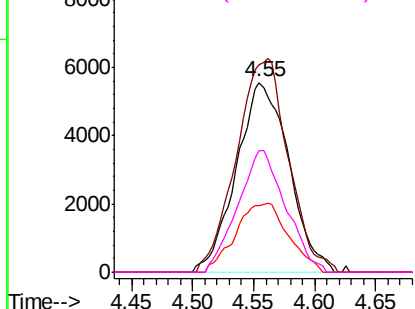
#20  
Methvlene Chloride  
Concen: 1.306 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN052836.D  
Acq: 12 Dec 2018 19:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB115564TB

Tot Ion: 84 Resp: 16554  
Ion Ratio Lower Upper  
84 100  
49 109.7 96.8 145.2  
51 35.1 29.9 44.9  
86 64.1 51.8 77.6

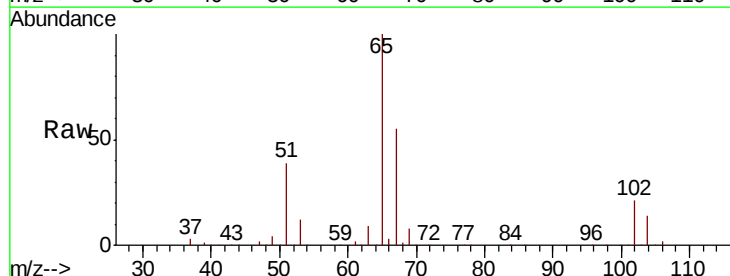


Abundance Ion 83.90 (83.60 to 84.60): VNO  
Ion 48.90 (48.60 to 49.60): VNO  
Ion 50.90 (50.60 to 51.60): VNO  
Ion 85.90 (85.60 to 86.60): VNO

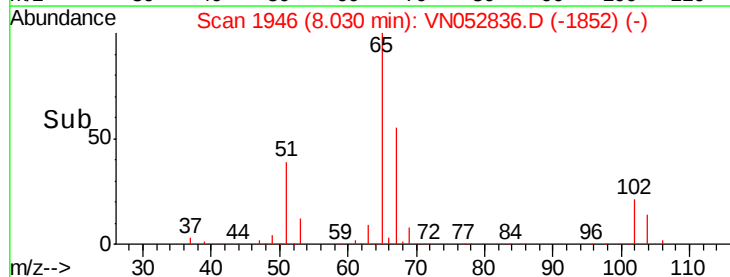
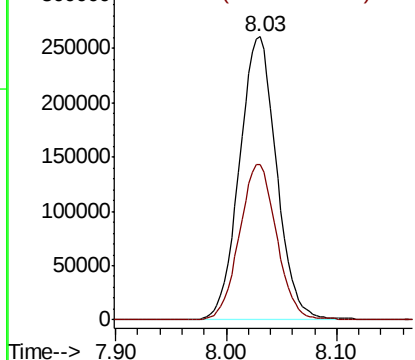


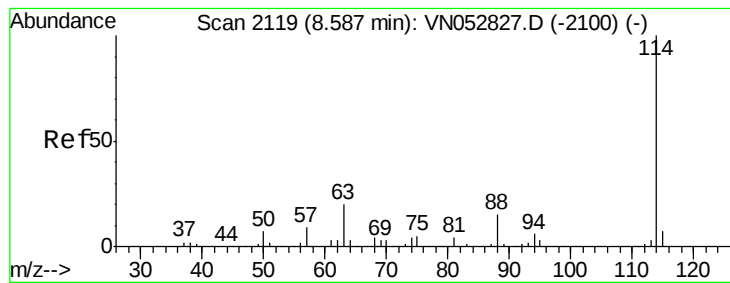
#33  
1,2-Dichloroethane-d4  
Concen: Below ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN052836.D  
Acq: 12 Dec 2018 19:20

Tgt Ion: 65 Resp: 606906  
Ion Ratio Lower Upper  
65 100  
67 55.3 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: VN052836.D

Acq: 12 Dec 2018 19:20

Instrument :

MSVOA\_N

ClientSampleId :

PB115564TB

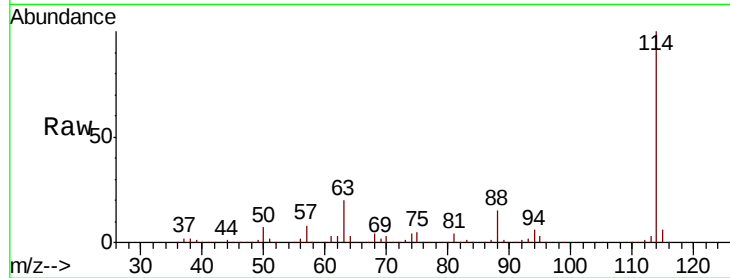
Tot Ion:114 Resp: 1826020

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

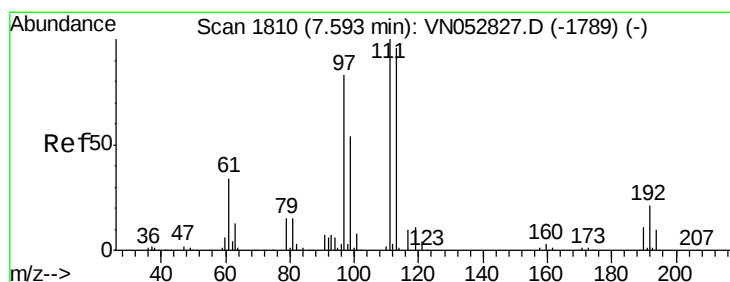
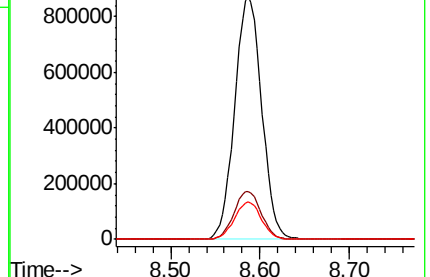
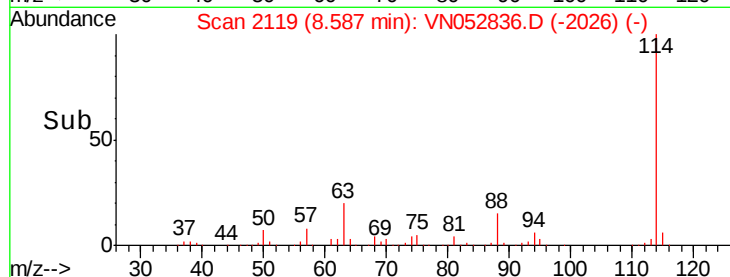
88 15.2 0.0 31.0



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: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052836.D

Acq: 12 Dec 2018 19:20

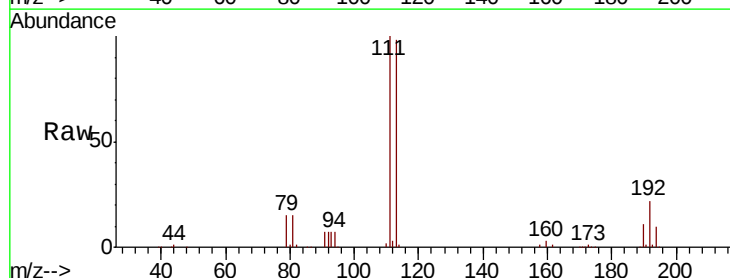
Tgt Ion:113 Resp: 521795

Ion Ratio Lower Upper

113 100

111 102.7 83.0 124.4

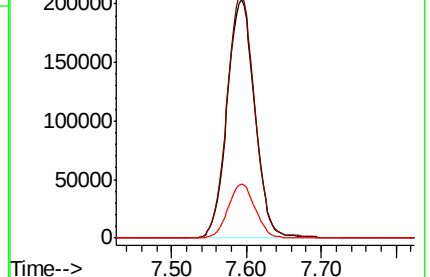
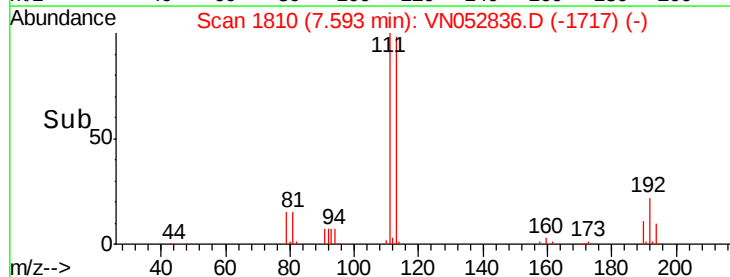
192 22.4 17.5 26.3

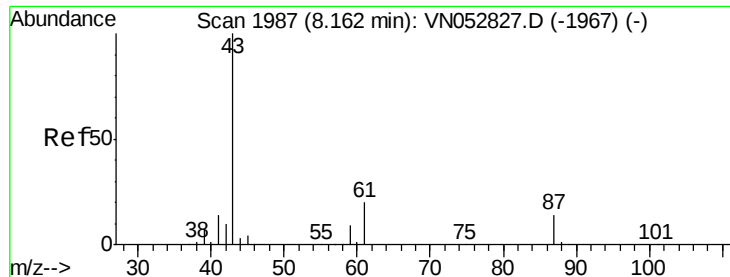


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 3.316 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052836.D

Acq: 12 Dec 2018 19:20

Instrument :

MSVOA\_N

ClientSampleId :

PB115564TB

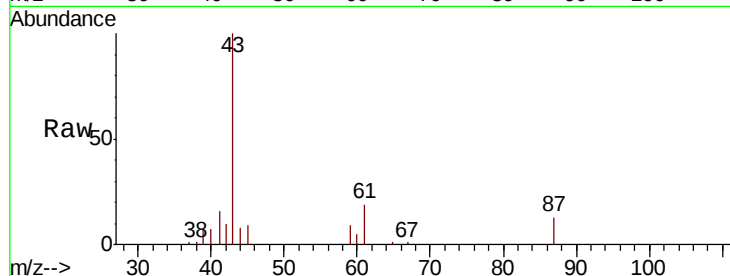
Tot Ion: 43 Resp: 68685

Ion Ratio Lower Upper

43 100

61 16.2 22.9 34.3#

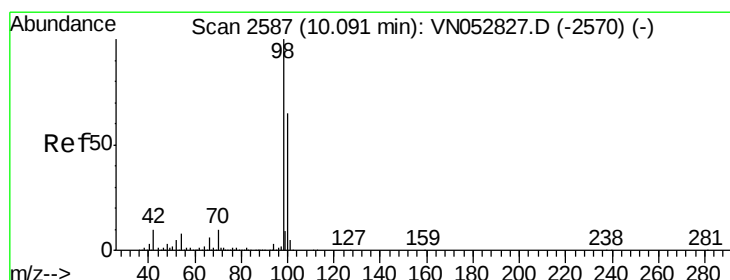
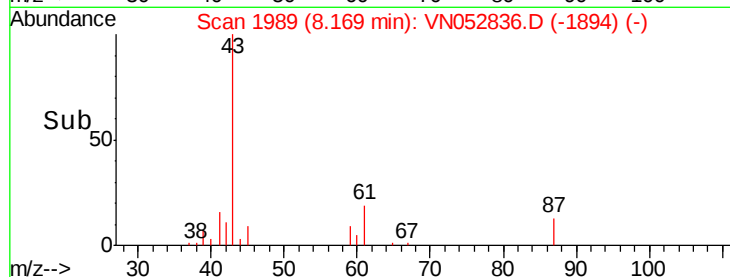
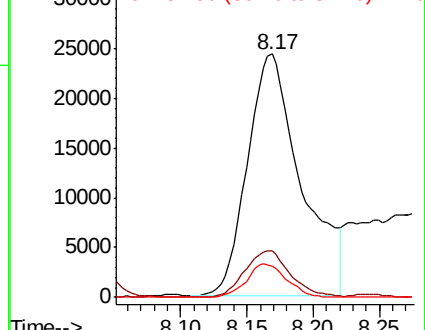
87 10.2 10.6 15.8#



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: VN052836.D

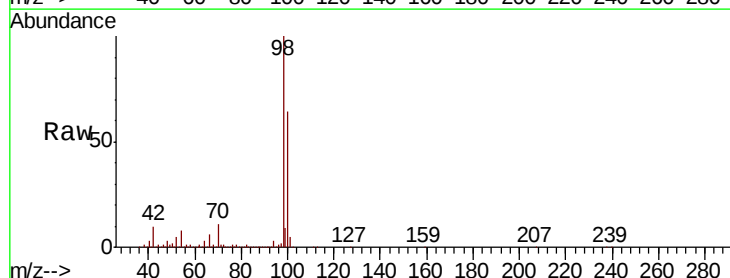
Acq: 12 Dec 2018 19:20

Tgt Ion: 98 Resp: 2243973

Ion Ratio Lower Upper

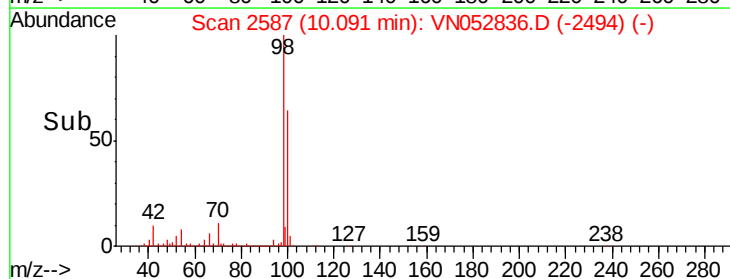
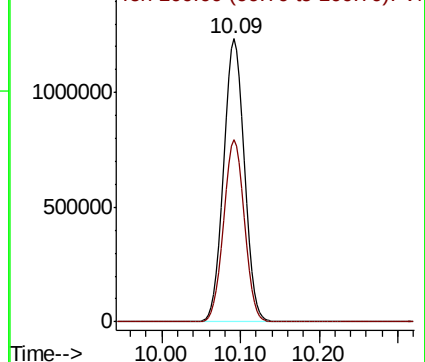
98 100

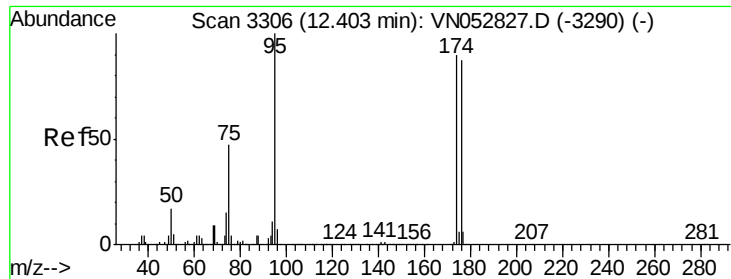
100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052836.D

Acq: 12 Dec 2018 19:20

Instrument :

MSVOA\_N

ClientSampleId :

PB115564TB

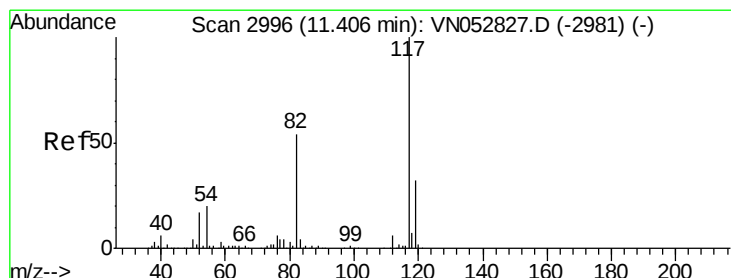
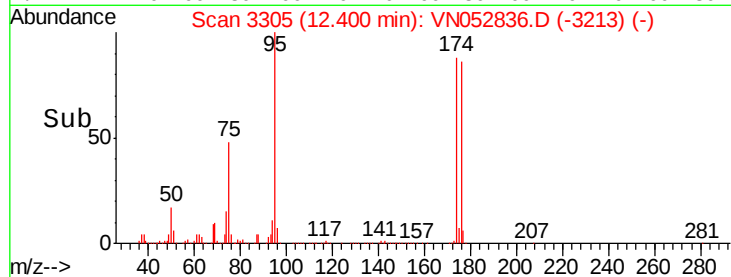
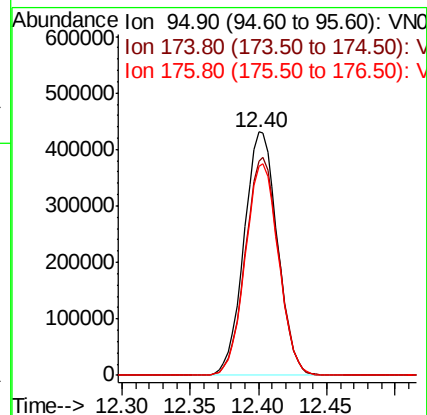
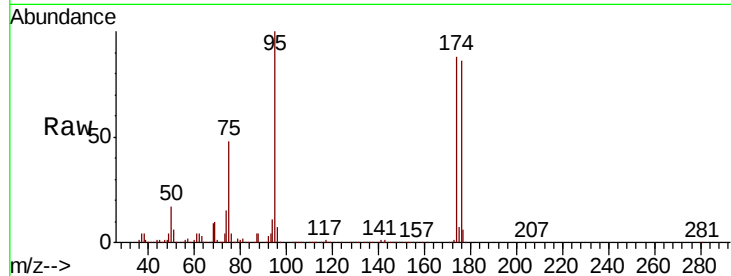
Tot Ion: 95 Resp: 732026

Ion Ratio Lower Upper

95 100

174 89.1 0.0 178.8

176 86.6 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: VN052836.D

Acq: 12 Dec 2018 19:20

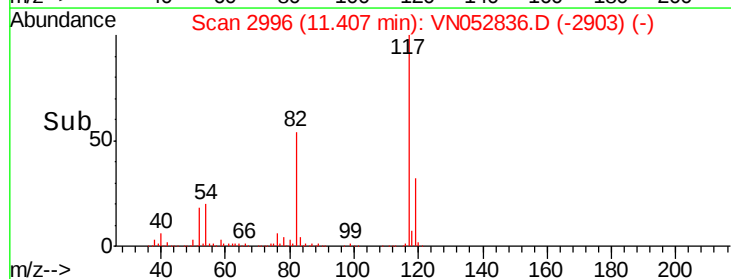
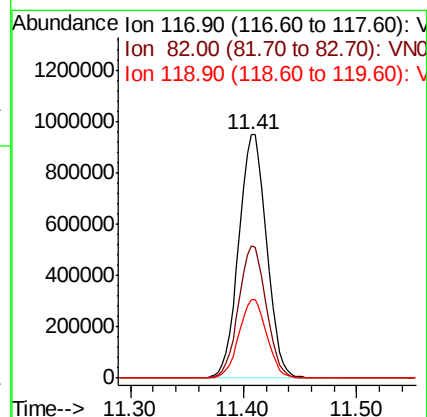
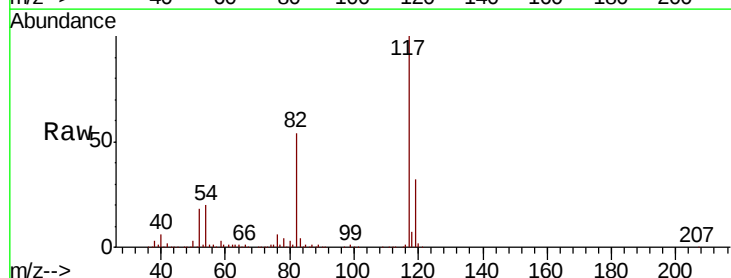
Tgt Ion: 117 Resp: 1629152

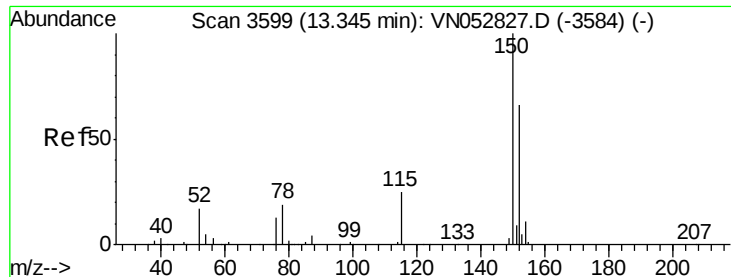
Ion Ratio Lower Upper

117 100

82 54.4 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: VN052836.D

Acq: 12 Dec 2018 19:20

Instrument :

MSVOA\_N

ClientSampleId :

PB115564TB

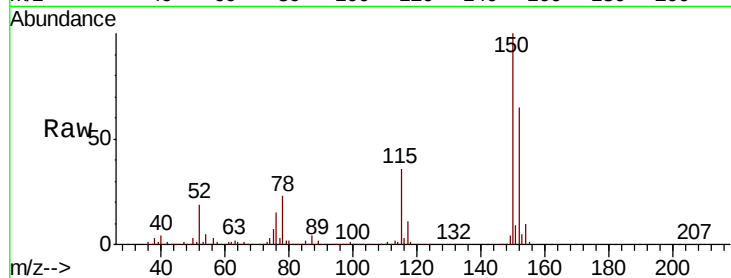
Tot Ion:152 Resp: 674631

Ion Ratio Lower Upper

152 100

115 55.7 28.3 85.0

150 155.3 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

