

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\  
 Data File : VN052840.D  
 Acq On : 12 Dec 2018 21:06  
 Operator : MD\SY  
 Sample : PB115564ZHE#04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB115564ZHE#04

Quant Time: Dec 13 04:46:25 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

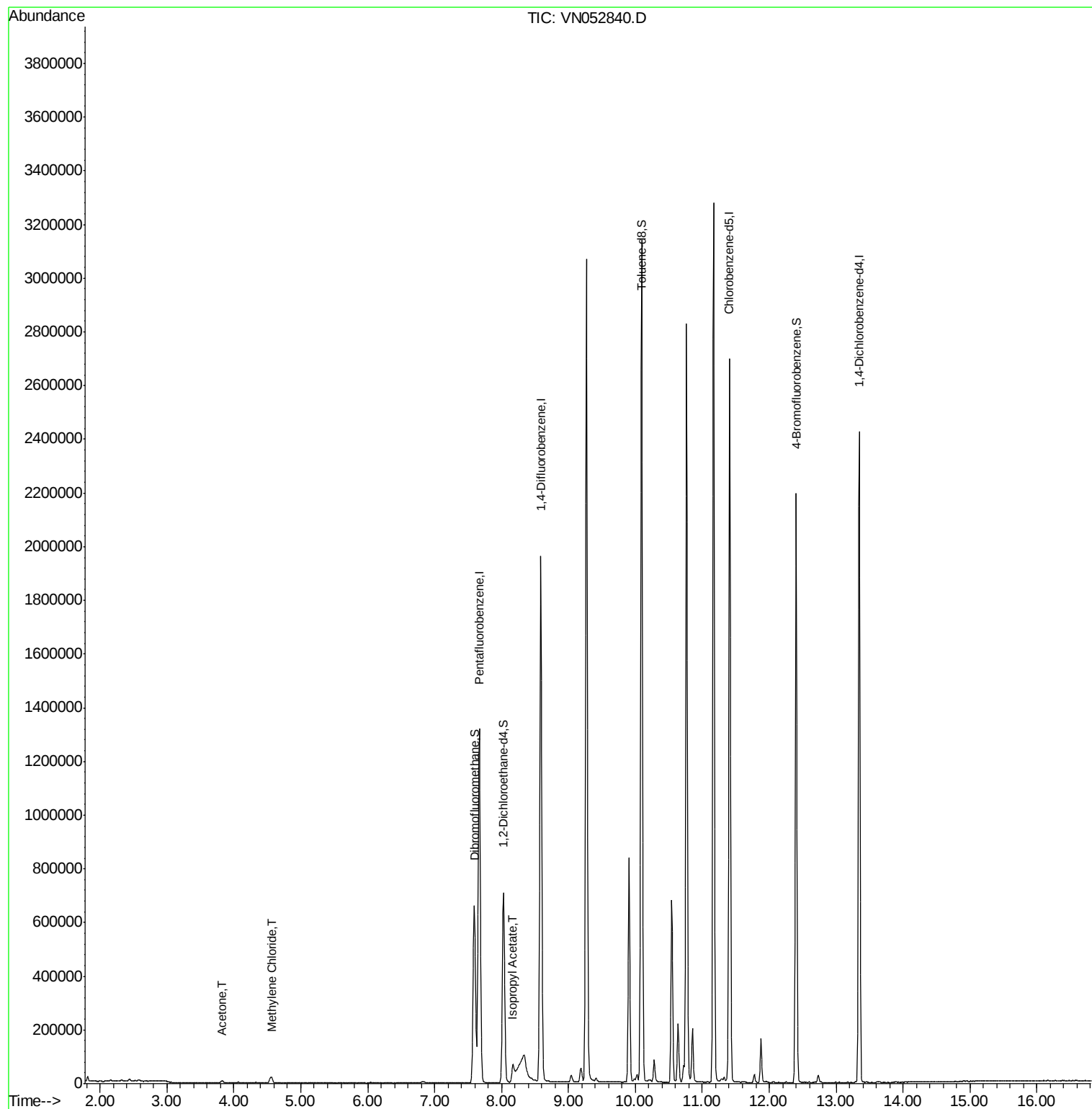
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1146796  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1798849  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1623983  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 675593   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 608390   | 49.89 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.78%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 512670   | 51.06 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.12% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2215123  | 50.88 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.76% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 734339   | 49.78 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.56%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 16088    | 5.874 | ug/l    | 99       |
| 20) Methylene Chloride      | 4.56  | 84   | 17540    | 1.423 | ug/l    | 95       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 83144    | 4.075 | ug/l #  | 78       |

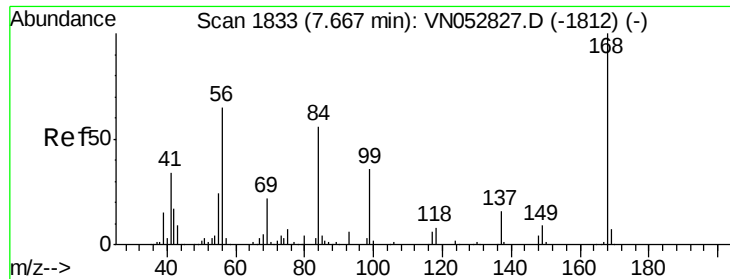
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA\_N

ClientSampleId :

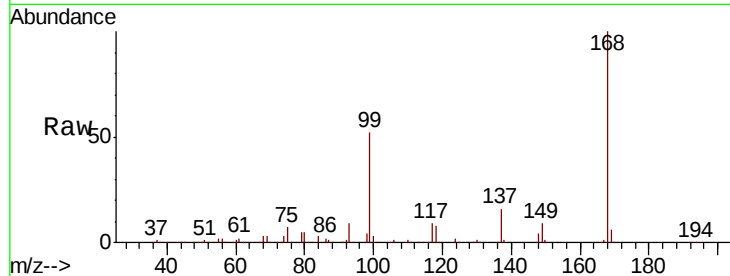
PB115564ZHE#04

Tot Ion:168 Resp: 1146796

Ion Ratio Lower Upper

168 100

99 51.6 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

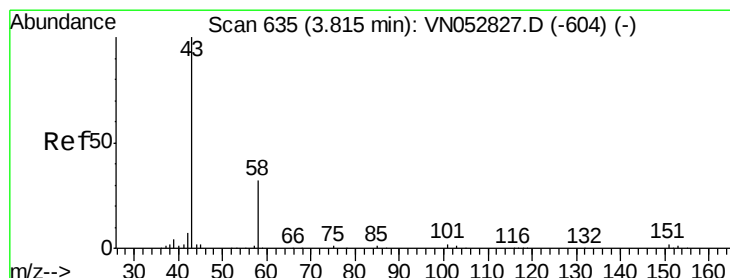
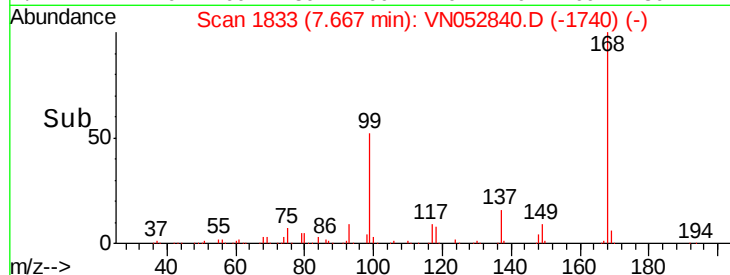
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 5.874 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052840.D

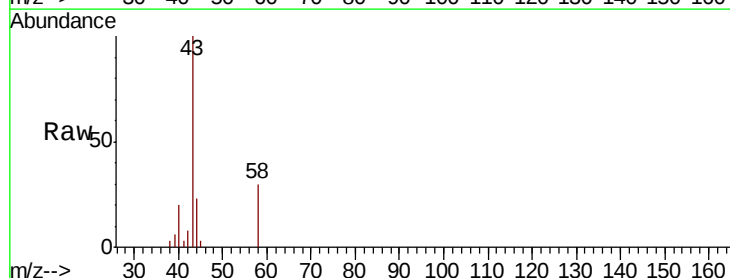
Acq: 12 Dec 2018 21:06

Tgt Ion: 43 Resp: 16088

Ion Ratio Lower Upper

43 100

58 31.0 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

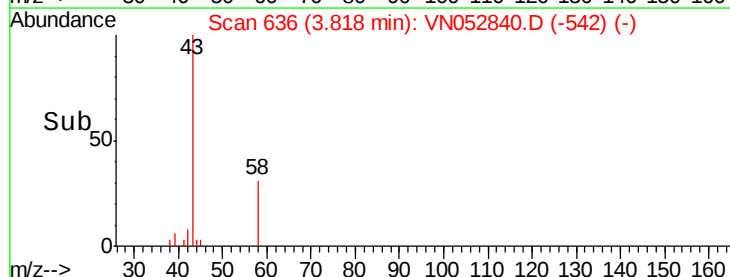
6000

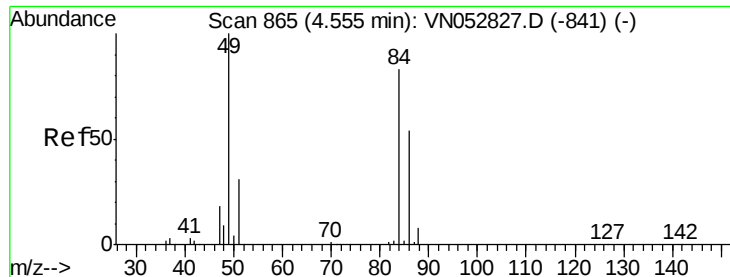
4000

2000

0

Time-->

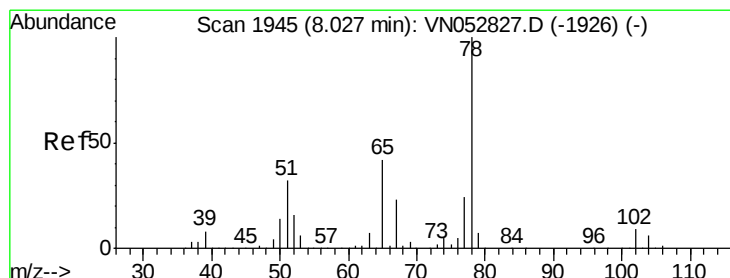
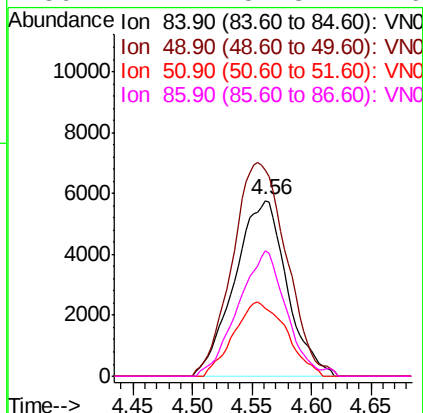
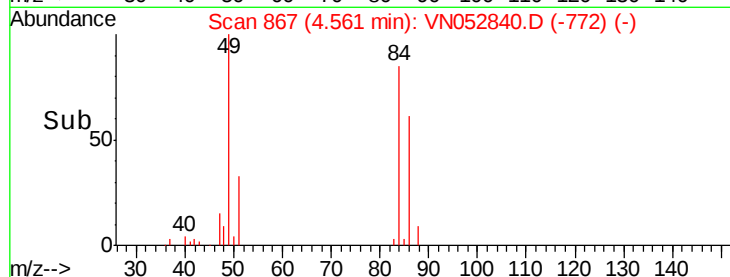
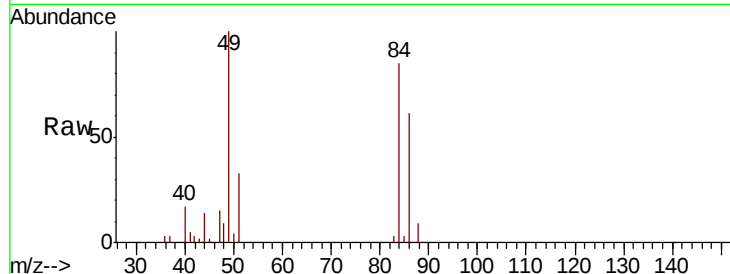




#20  
Methvlene Chloride  
Concen: 1.423 ug/l  
RT: 4.56 min Scan# 867  
Delta R.T. 0.01 min  
Lab File: VN052840.D  
Acq: 12 Dec 2018 21:06

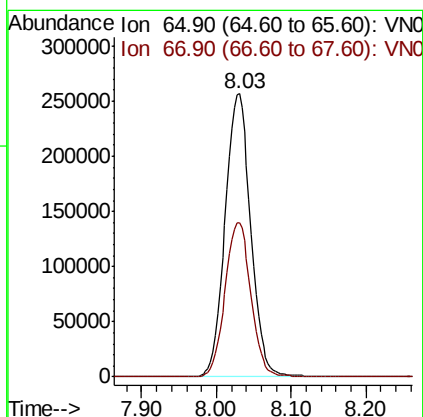
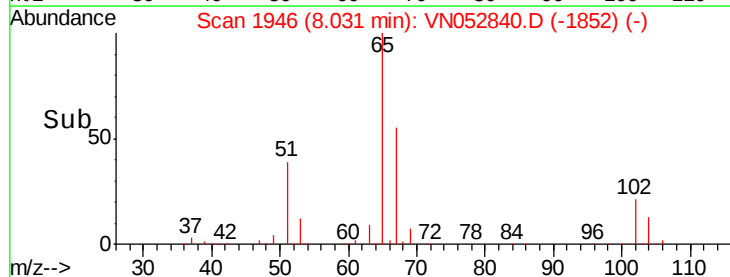
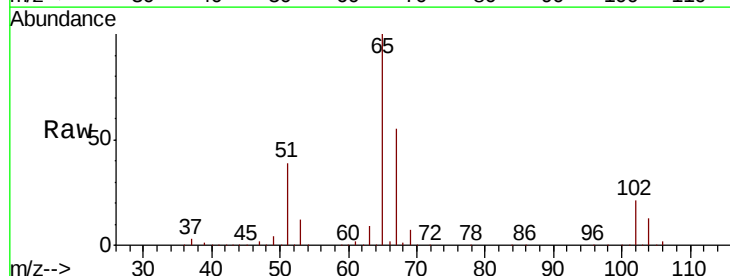
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB115564ZHE#04

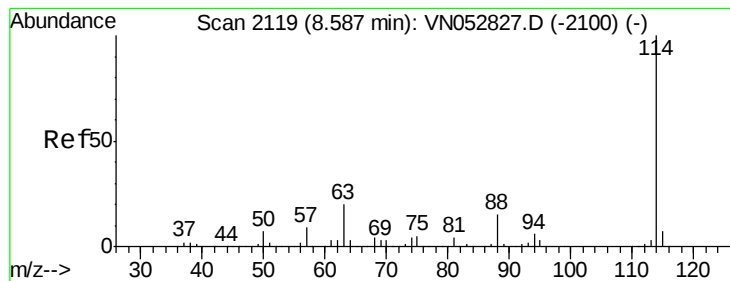
Tot Ion: 84 Resp: 17540  
Ion Ratio Lower Upper  
84 100  
49 117.6 96.8 145.2  
51 39.0 29.9 44.9  
86 71.4 51.8 77.6



#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN052840.D  
Acq: 12 Dec 2018 21:06

Tgt Ion: 65 Resp: 608390  
Ion Ratio Lower Upper  
65 100  
67 55.0 0.0 110.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA\_N

ClientSampleId :

PB115564ZHE#04

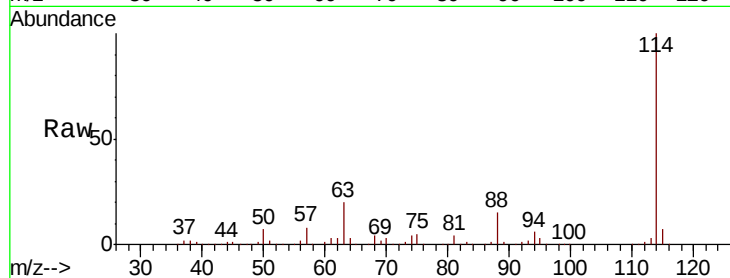
Tot Ion:114 Resp: 1798849

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

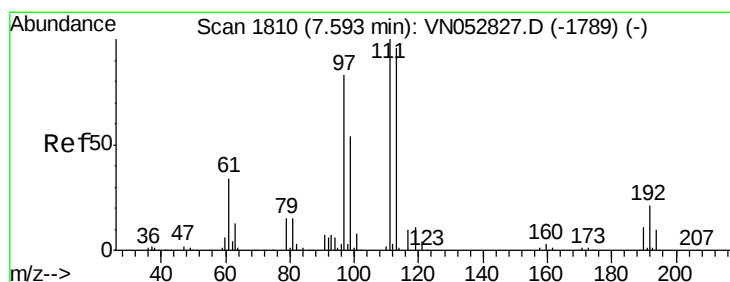
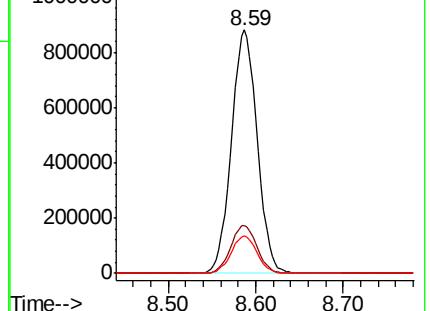
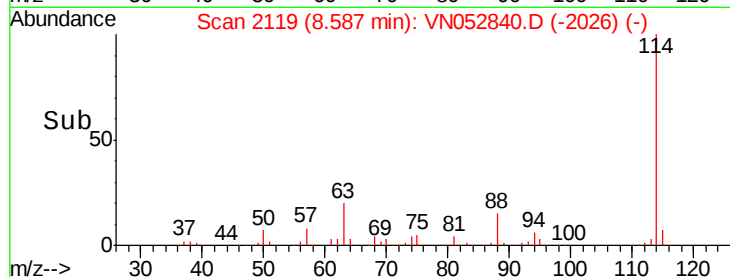
88 15.4 0.0 31.0



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# 1810

Delta R.T. 0.00 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

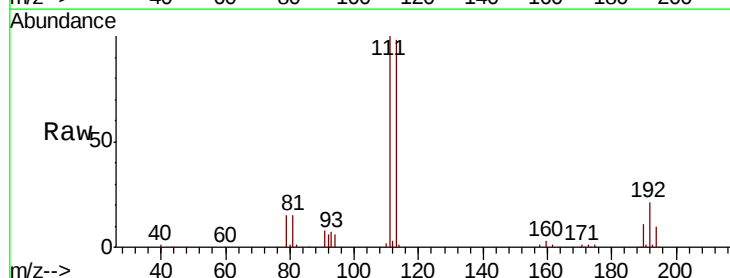
Tgt Ion:113 Resp: 512670

Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

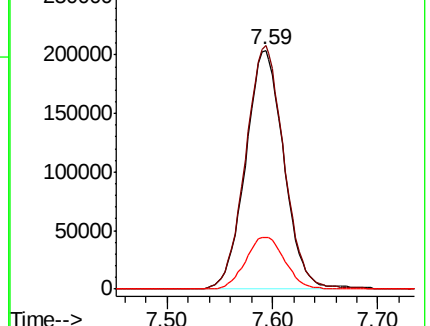
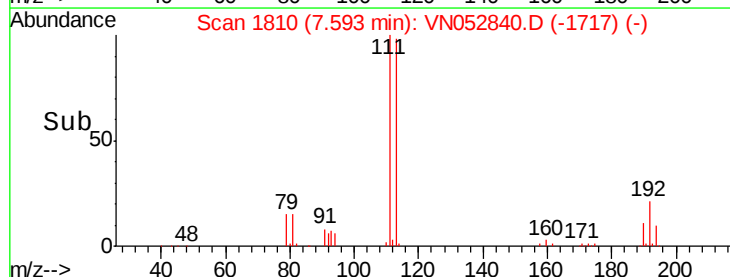
192 22.4 17.5 26.3

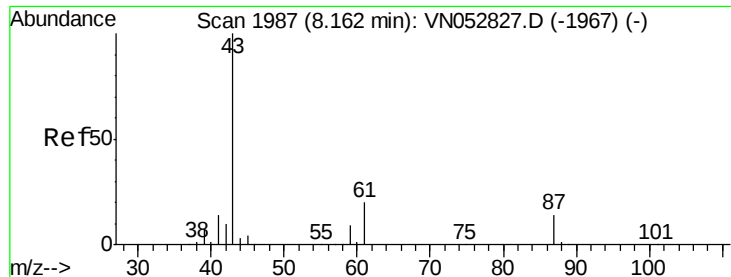


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 4.075 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA\_N

ClientSampleId :

PB115564ZHE#04

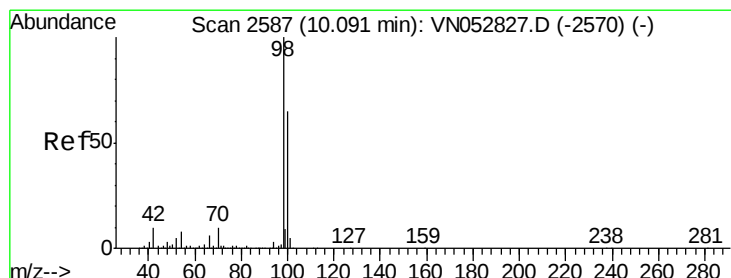
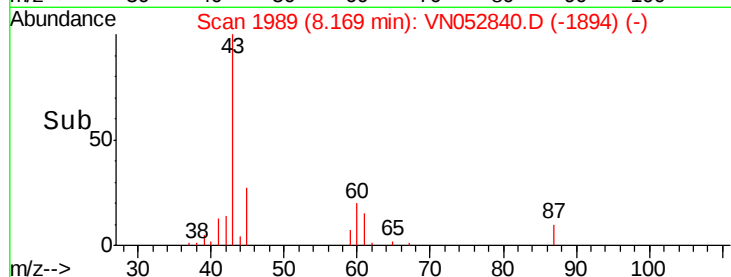
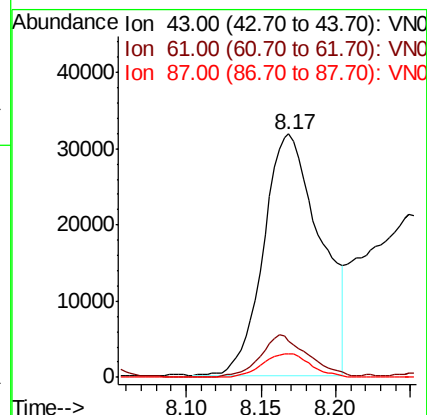
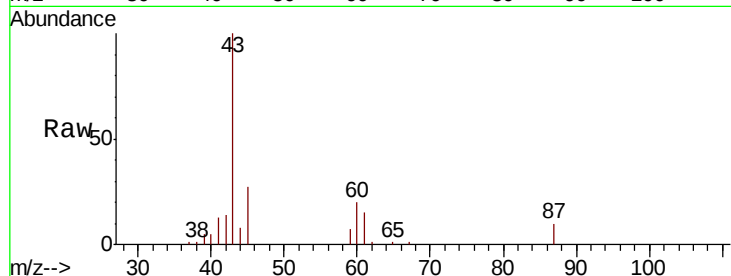
Tot Ion: 43 Resp: 83144

Ion Ratio Lower Upper

43 100

61 14.8 22.9 34.3#

87 8.4 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: VN052840.D

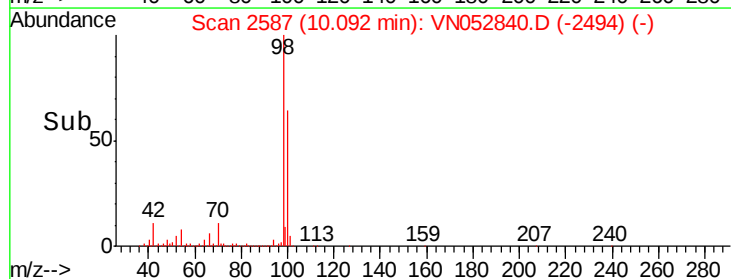
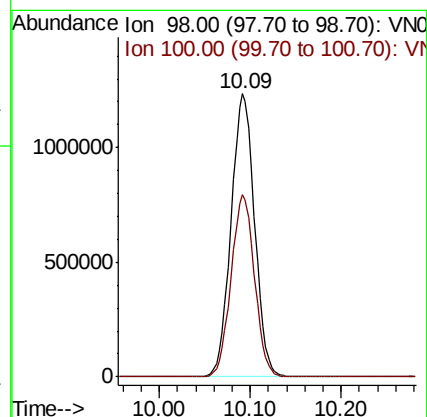
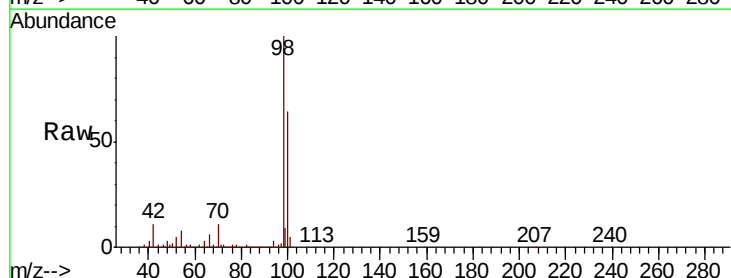
Acq: 12 Dec 2018 21:06

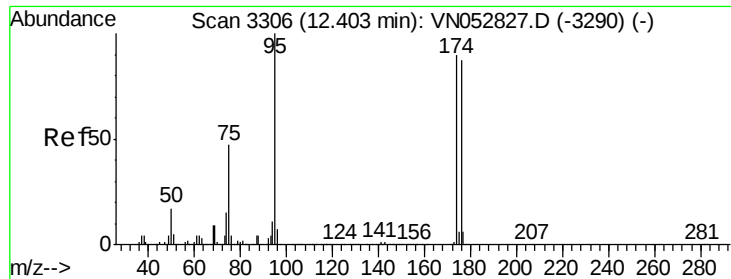
Tgt Ion: 98 Resp: 2215123

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA\_N

ClientSampleId :

PB115564ZHE#04

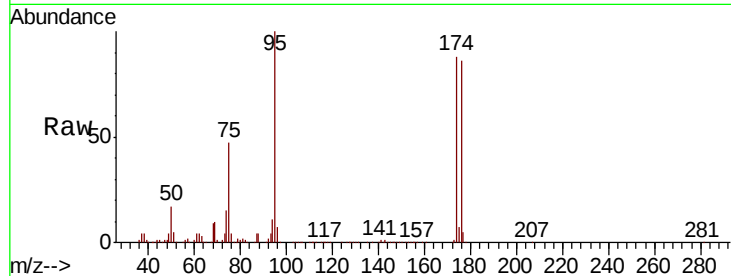
Tot Ion: 95 Resp: 734339

Ion Ratio Lower Upper

95 100

174 88.9 0.0 178.8

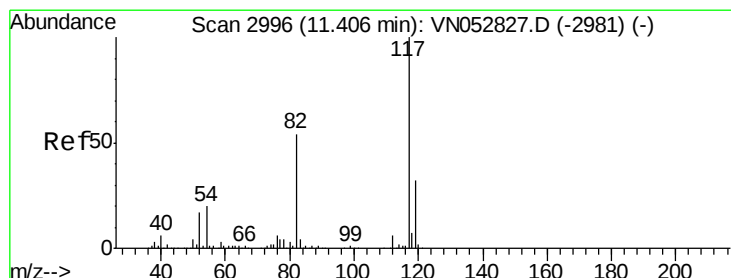
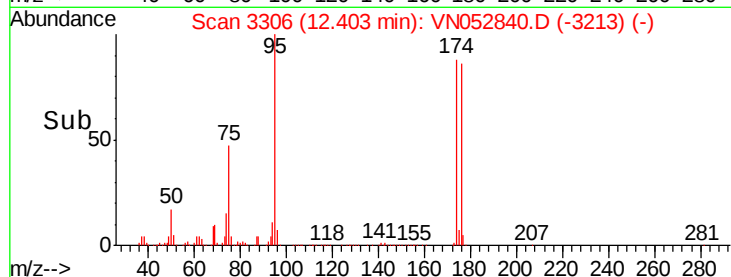
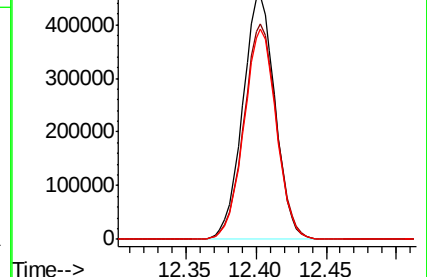
176 86.0 0.0 173.8



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# 2997

Delta R.T. 0.00 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

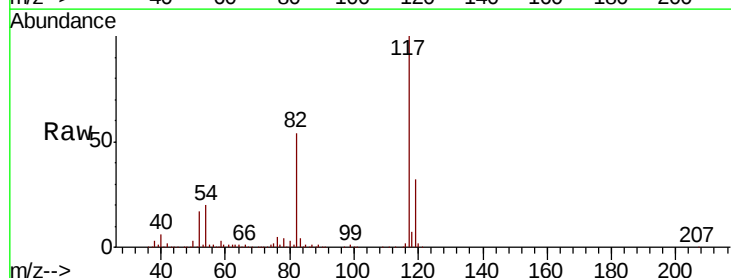
Tgt Ion: 117 Resp: 1623983

Ion Ratio Lower Upper

117 100

82 53.7 42.8 64.2

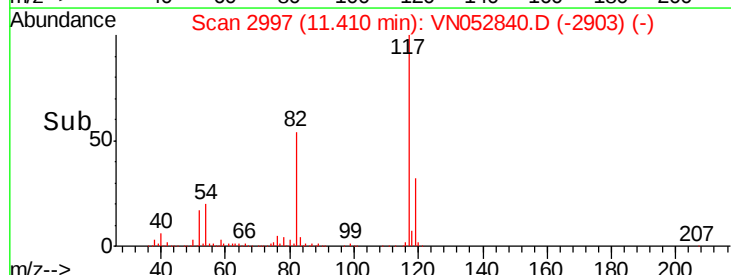
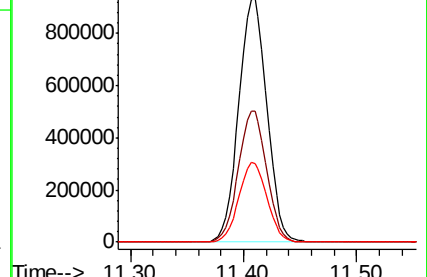
119 32.5 25.5 38.3

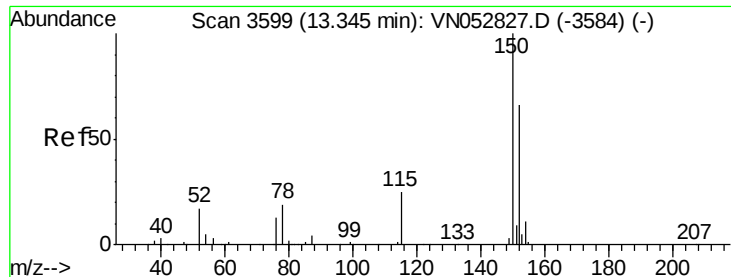


Abundance Ion 116.90 (116.60 to 117.60): VN052827.D (-2981) (-)

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: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA\_N

ClientSampleId :

PB115564ZHE#04

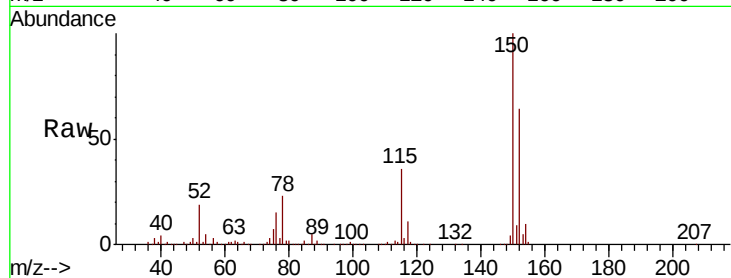
Tot Ion:152 Resp: 675593

Ion Ratio Lower Upper

152 100

115 55.9 28.3 85.0

150 156.6 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

