

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010319\  
 Data File : VN053256.D  
 Acq On : 3 Jan 2019 12:30  
 Operator : MD\SY  
 Sample : PB116111ZHE#01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB116111ZHE#01

Quant Time: Jan 04 07:08:19 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

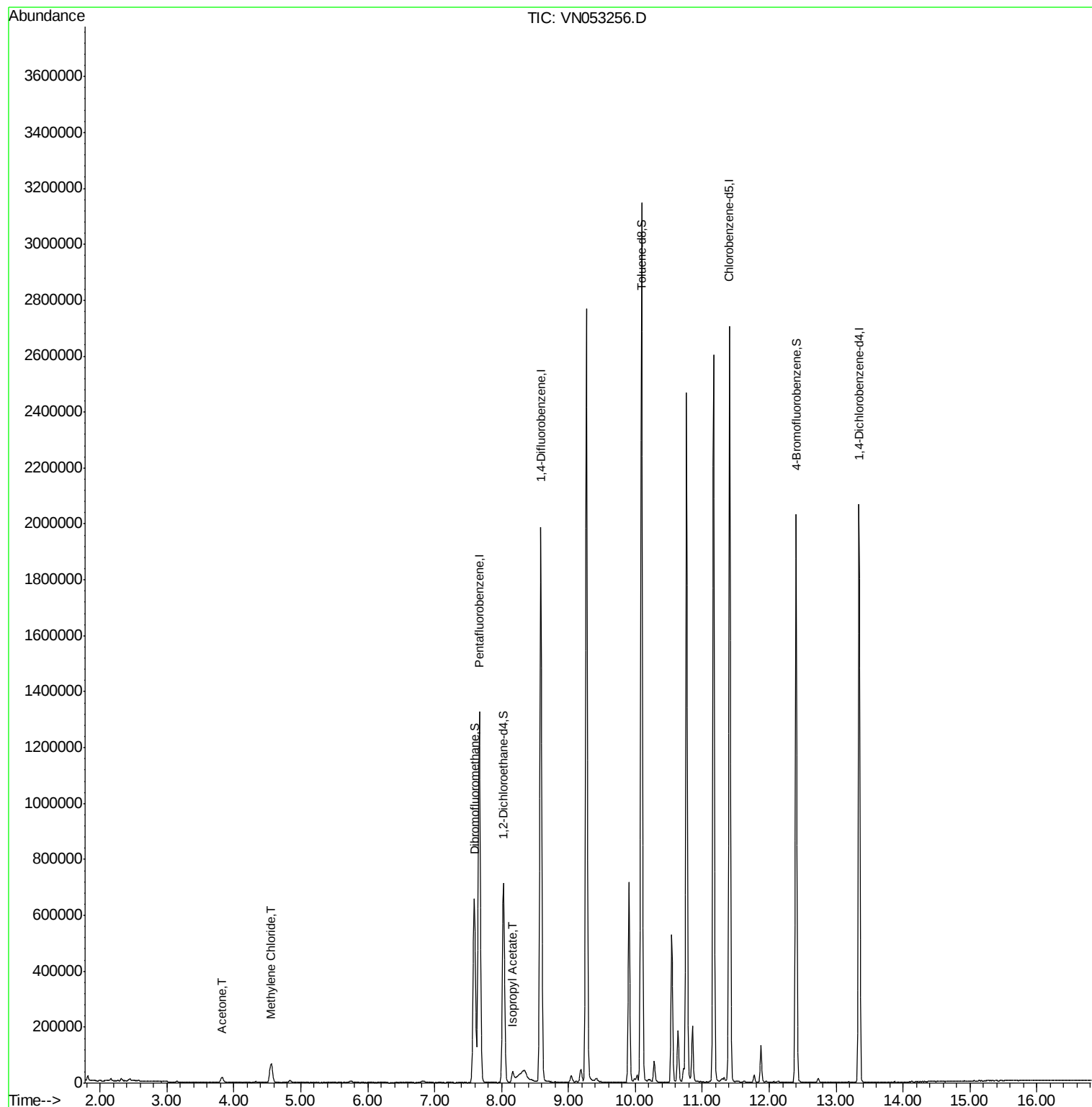
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1179069  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1842564  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1623890  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 583267   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 597740   | 49.96  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.92%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 508278   | 60.39  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 120.78% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2235539  | 49.48  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.96%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 700652   | 44.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.34%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 33371    | 14.225 | ug/l    | 95       |
| 20) Methylene Chloride      | 4.56  | 84   | 53373    | 4.171  | ug/l    | 98       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 54807    | 1.863  | ug/l #  | 85       |

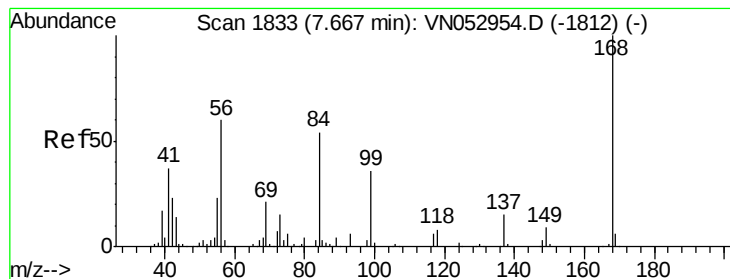
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN010319\  
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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: VN053256.D

Acq: 3 Jan 2019 12:30

Instrument :

MSVOA\_N

ClientSampleId :

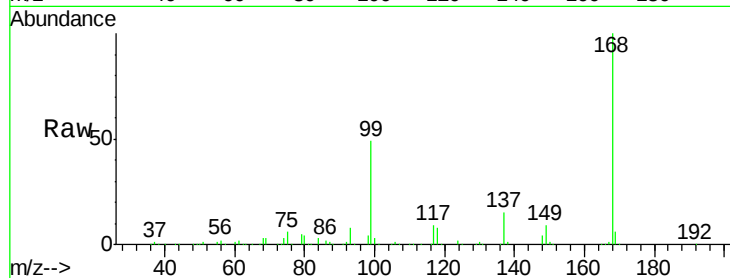
PB116111ZHE#01

Tot Ion:168 Resp: 1179069

Ion Ratio Lower Upper

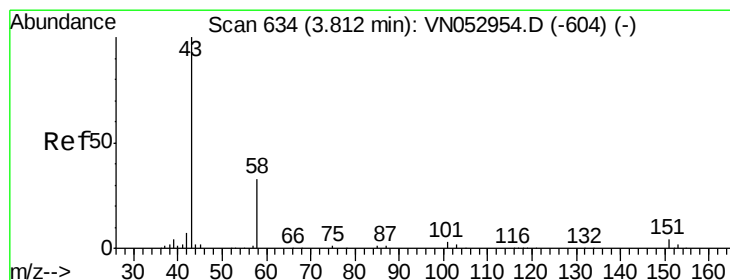
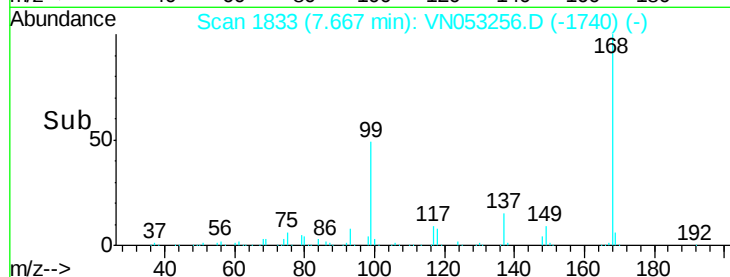
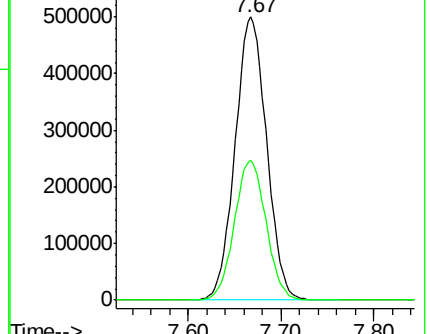
168 100

99 49.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 14.225 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053256.D

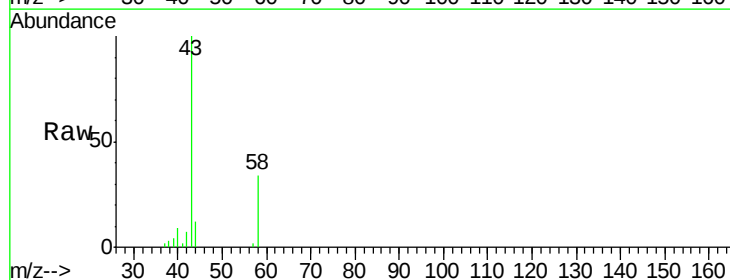
Acq: 3 Jan 2019 12:30

Tgt Ion: 43 Resp: 33371

Ion Ratio Lower Upper

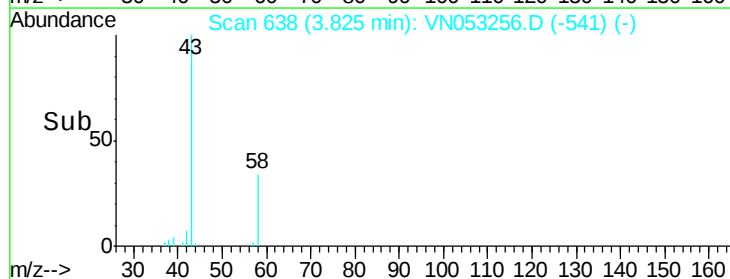
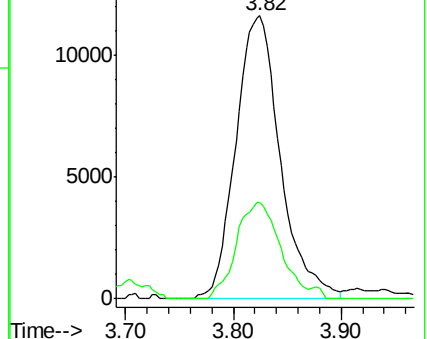
43 100

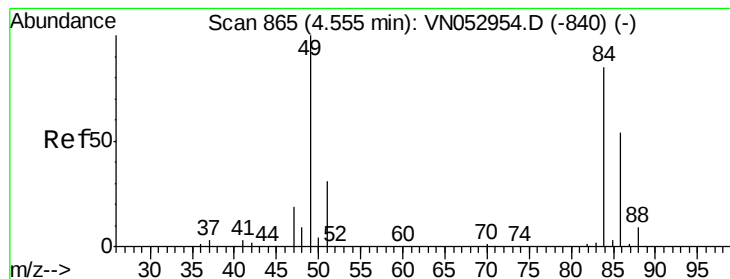
58 34.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#20

Methylene Chloride

Concen: 4.171 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN053256.D

Acq: 3 Jan 2019 12:30

Instrument :

MSVOA\_N

ClientSampleId :

PB116111ZHE#01

Tot Ion: 84 Resp: 53373

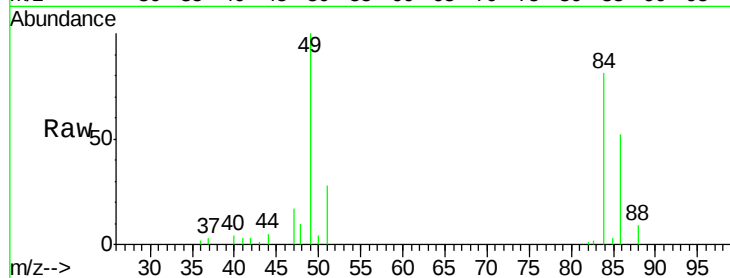
Ion Ratio Lower Upper

84 100

49 123.1 96.8 145.2

51 34.8 29.9 44.9

86 64.5 51.8 77.6

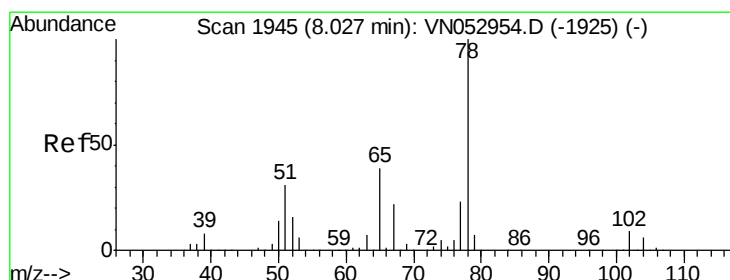
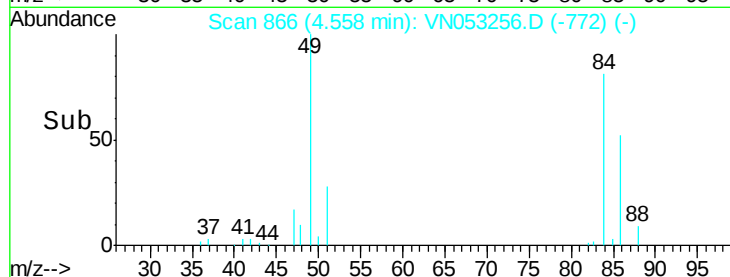
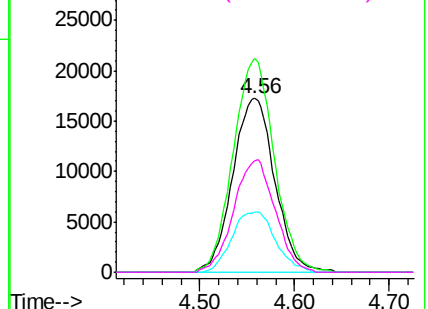


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: VN053256.D

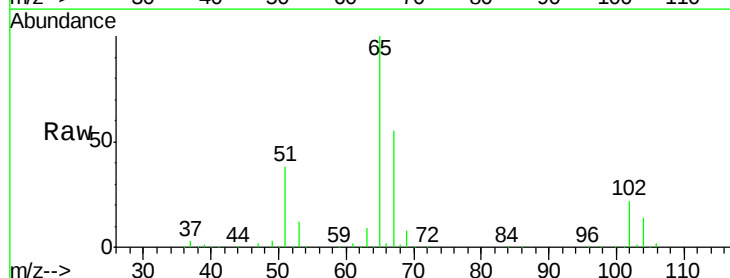
Acq: 3 Jan 2019 12:30

Tgt Ion: 65 Resp: 597740

Ion Ratio Lower Upper

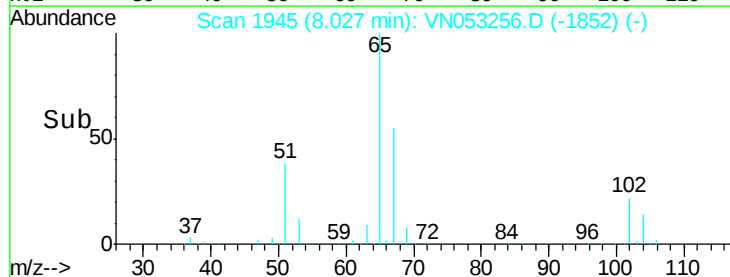
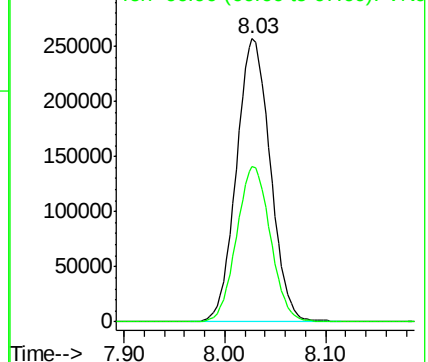
65 100

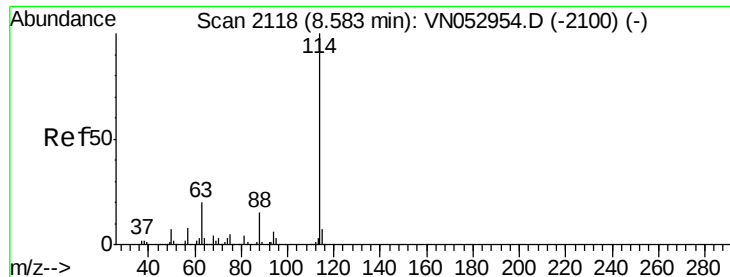
67 55.1 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

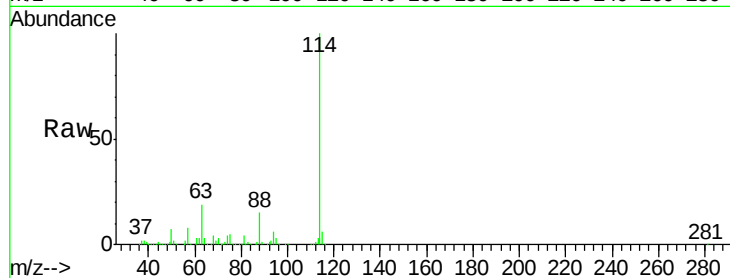




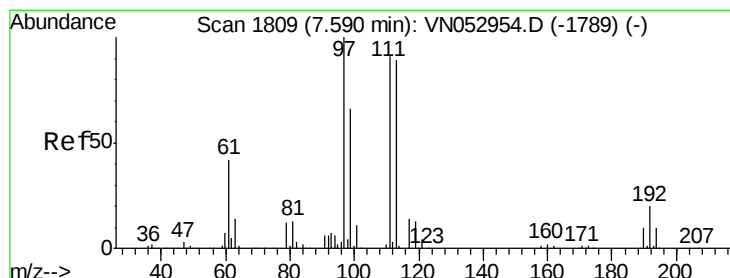
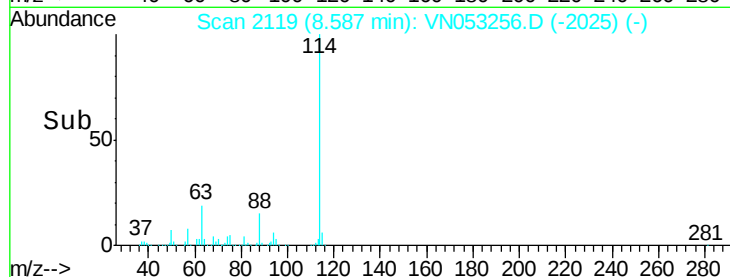
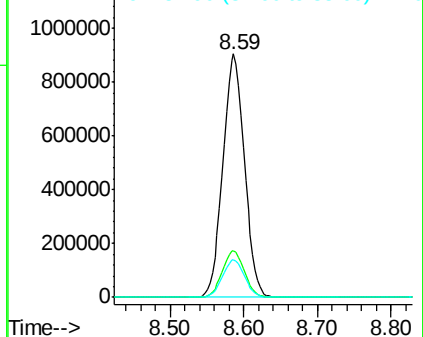
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053256.D  
 Acq: 3 Jan 2019 12:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB116111ZHE#01

Tot Ion:114 Resp: 1842564  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 39.8  
 88 15.4 0.0 31.0

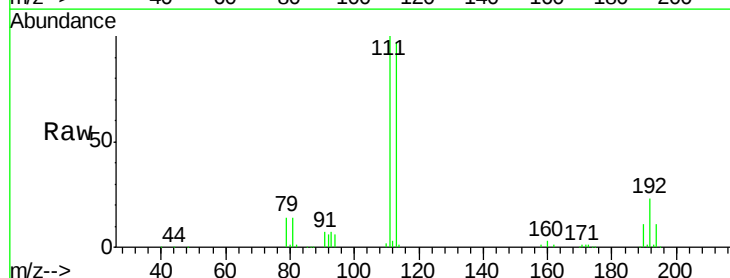


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

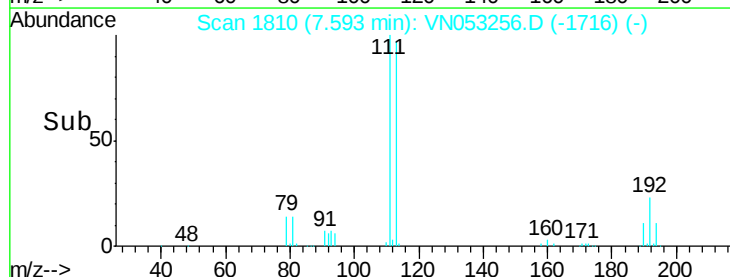
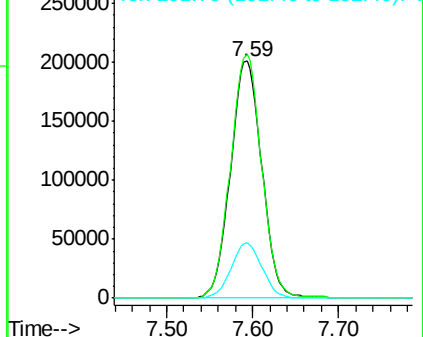


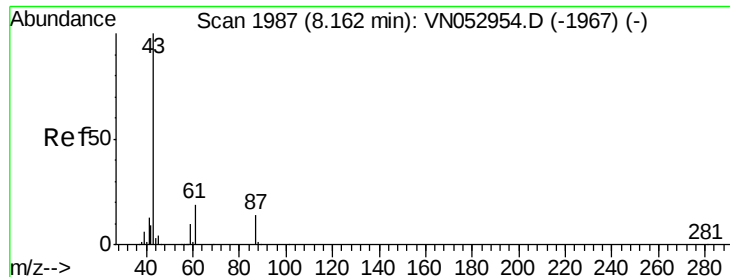
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN053256.D  
 Acq: 3 Jan 2019 12:30

Tgt Ion:113 Resp: 508278  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 83.0 124.4  
 192 22.9 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: 1.863 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053256.D

Acq: 3 Jan 2019 12:30

Instrument :

MSVOA\_N

ClientSampleId :

PB116111ZHE#01

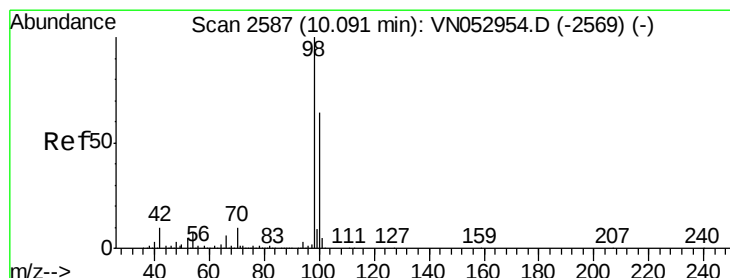
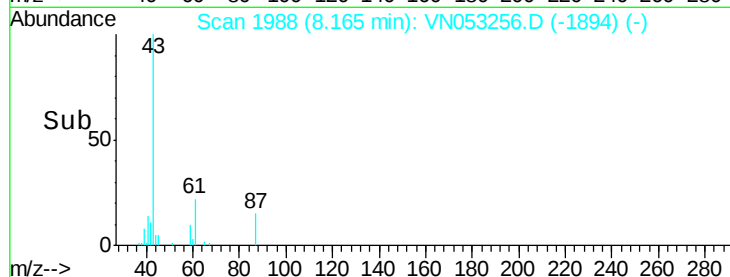
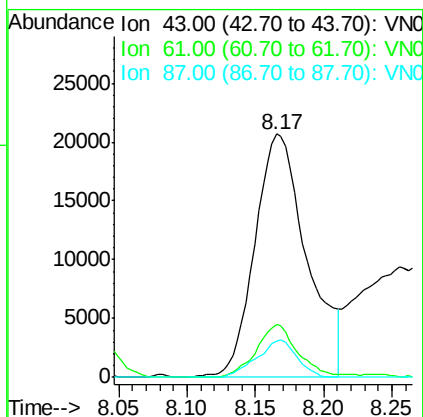
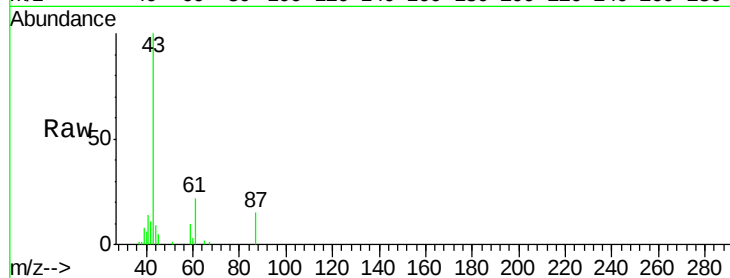
Tot Ion: 43 Resp: 54807

Ion Ratio Lower Upper

43 100

61 17.6 22.9 34.3#

87 11.7 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: VN053256.D

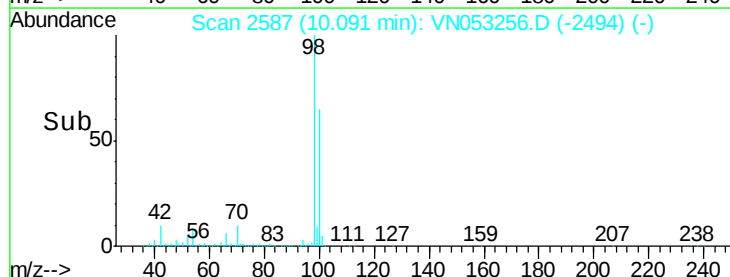
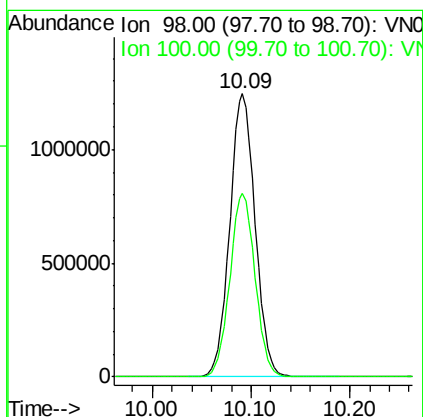
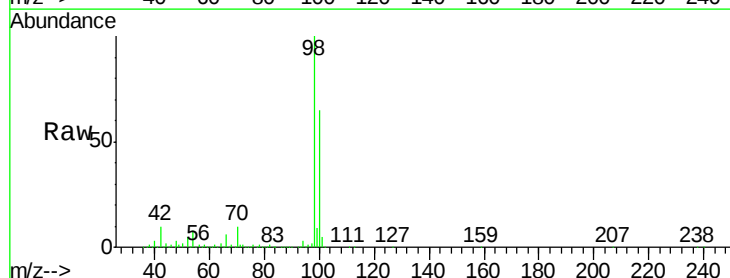
Acq: 3 Jan 2019 12:30

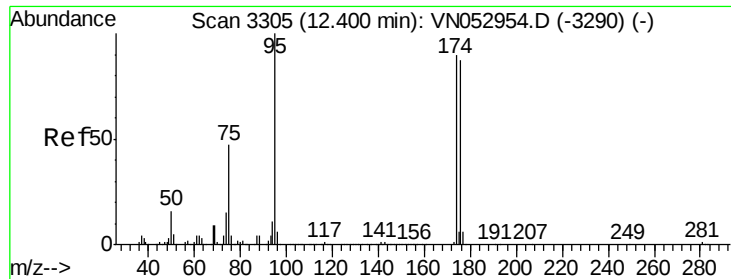
Tgt Ion: 98 Resp: 2235539

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4

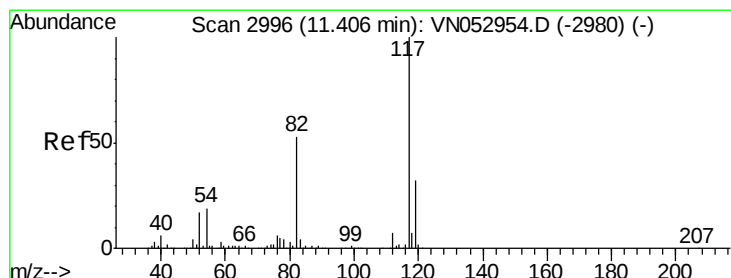
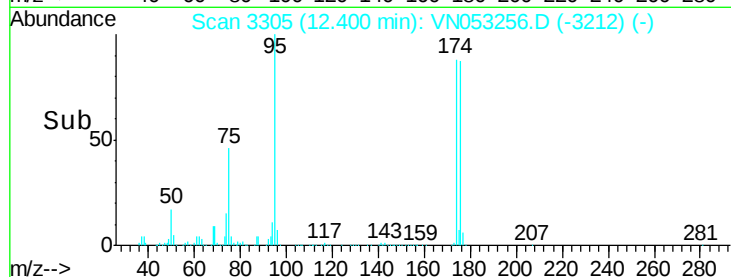
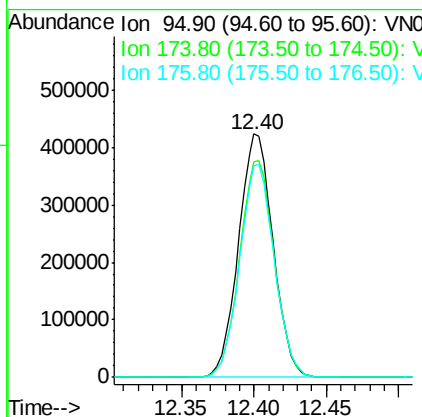
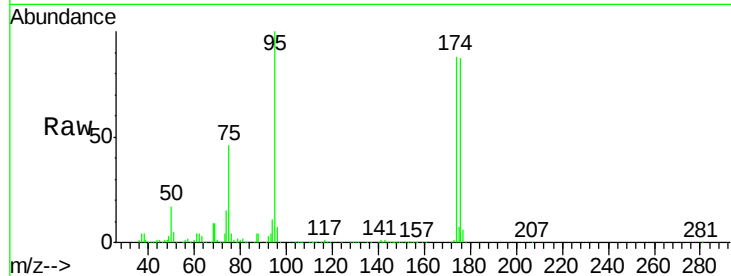




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN053256.D  
Acq: 3 Jan 2019 12:30

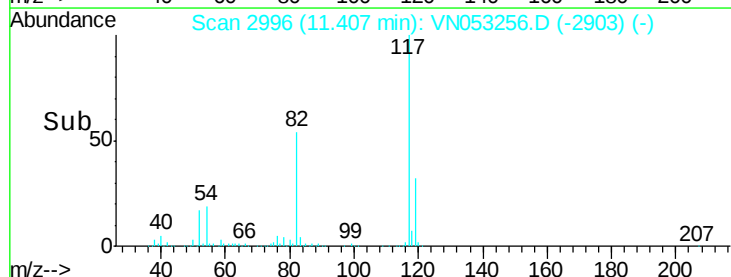
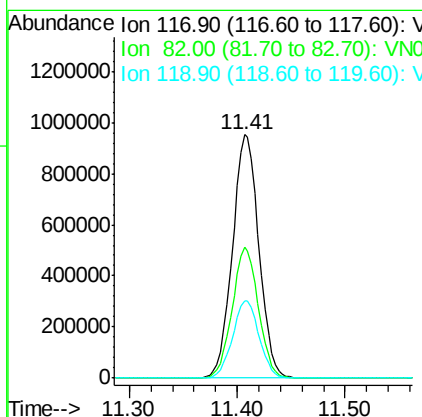
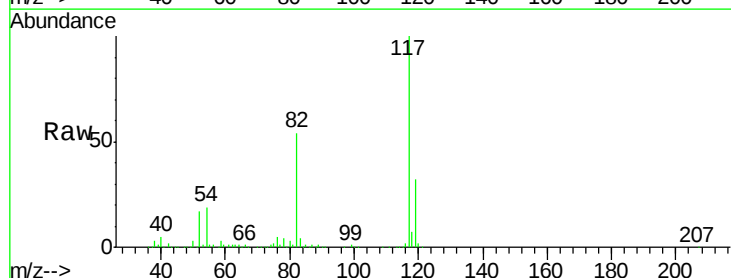
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB116111ZHE#01

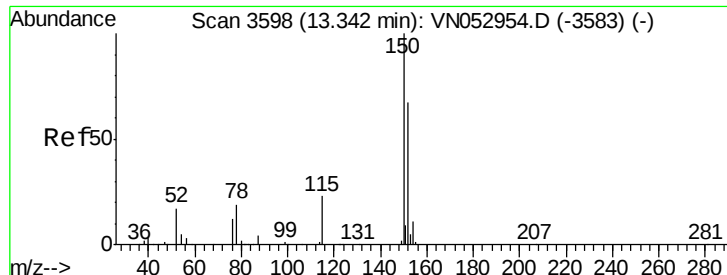
Tot Ion: 95 Resp: 700652  
Ion Ratio Lower Upper  
95 100  
174 89.6 0.0 178.8  
176 87.6 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053256.D  
Acq: 3 Jan 2019 12:30

Tgt Ion: 117 Resp: 1623890  
Ion Ratio Lower Upper  
117 100  
82 53.8 42.8 64.2  
119 31.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053256.D

Acq: 3 Jan 2019 12:30

Instrument :

MSVOA\_N

ClientSampleId :

PB116111ZHE#01

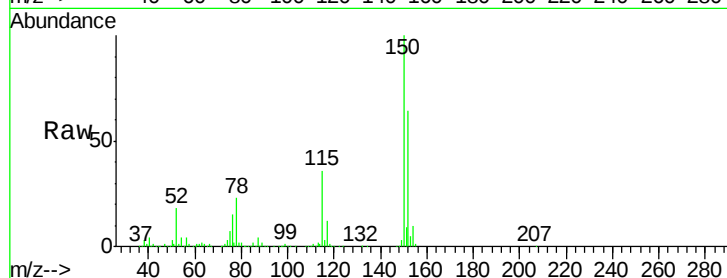
Tot Ion:152 Resp: 583267

Ion Ratio Lower Upper

152 100

115 55.6 28.3 85.0

150 155.7 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

