

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054871.D
 Acq On : 1 Apr 2019 13:45
 Operator : JC/SP
 Sample : PB118453TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB118453TB

Quant Time: Apr 02 04:53:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

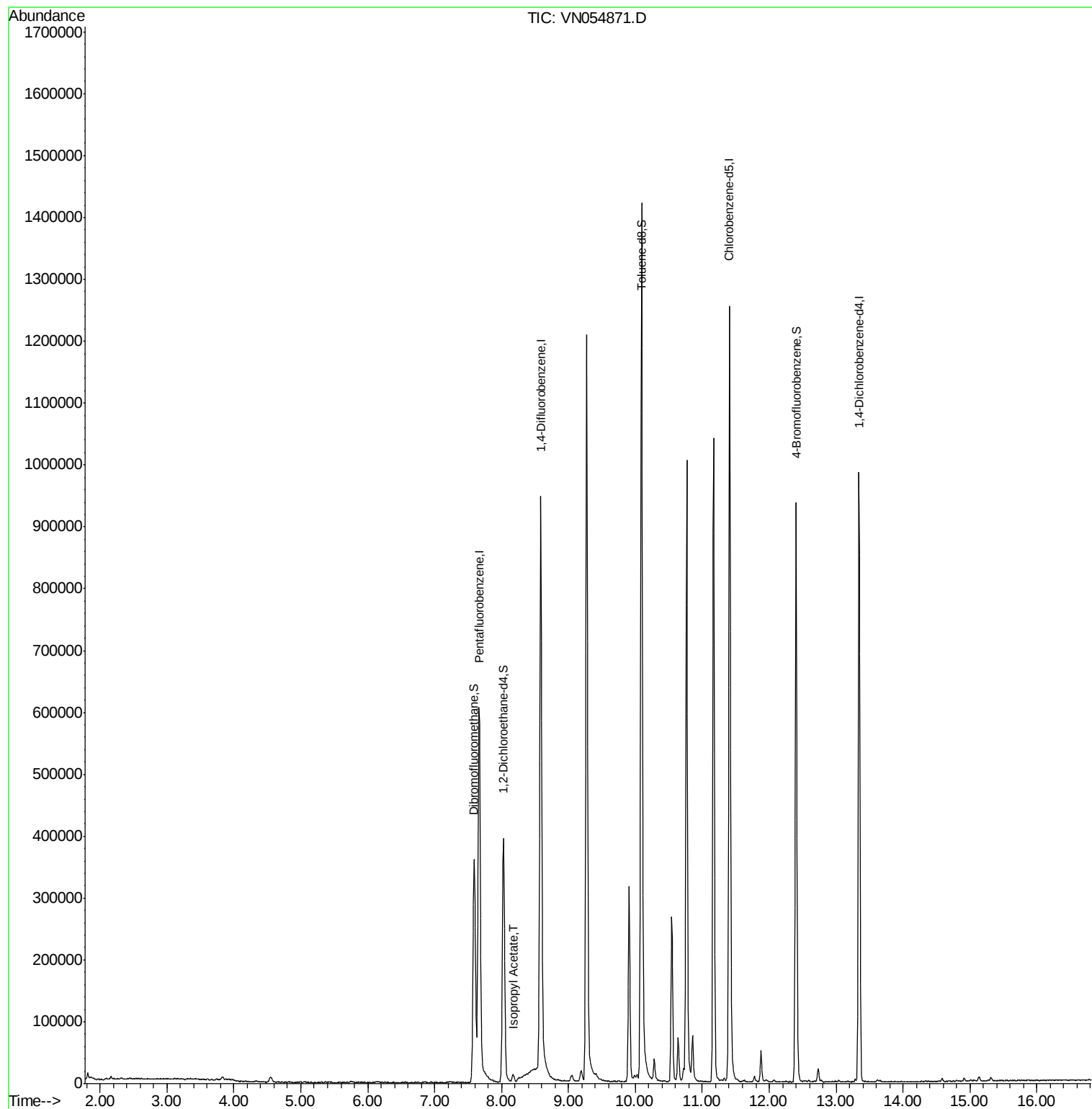
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	536681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	856879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	745830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	261821	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	347825	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.16%	
35) Dibromofluoromethane	7.59	113	273773	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.84%	
50) Toluene-d8	10.09	98	1045656	49.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.40	95	317902	45.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.02%	
Target Compounds						
43) Isopropyl Acetate	8.17	43	15408	1.620	ug/l #	Qvalue 82

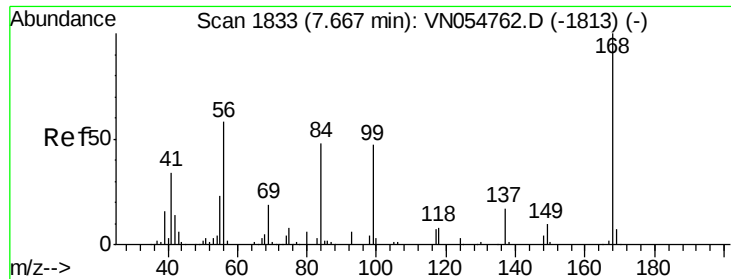
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054871.D

Acq: 1 Apr 2019 13:45

Instrument :

MSVOA_N

ClientSampleId :

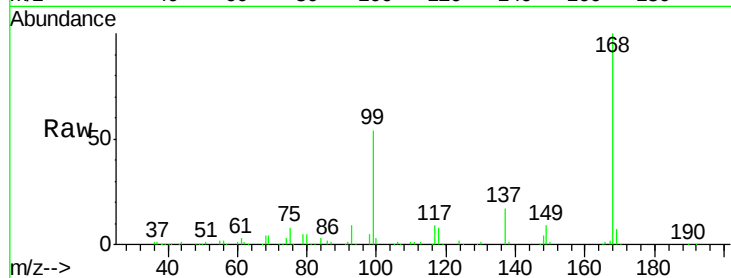
PB118453TB

Tot Ion:168 Resp: 536681

Ion Ratio Lower Upper

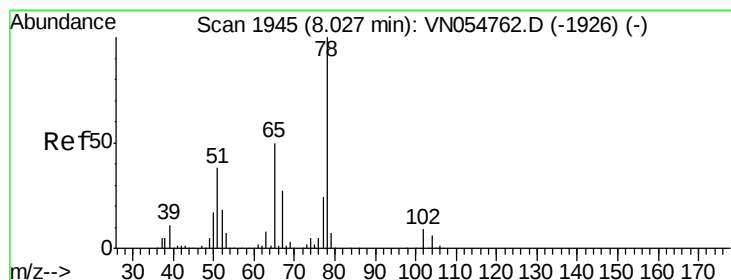
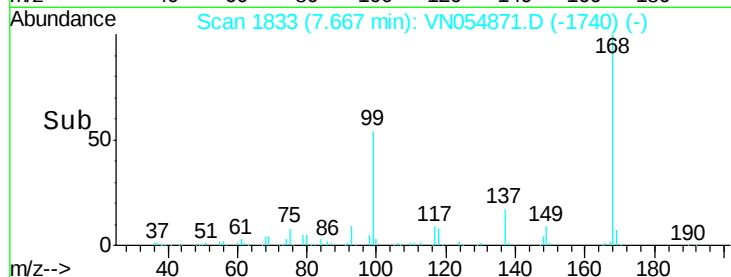
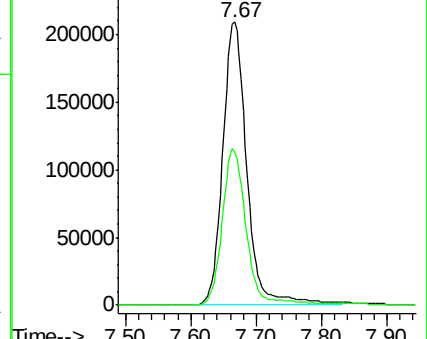
168 100

99 54.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 48.078 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054871.D

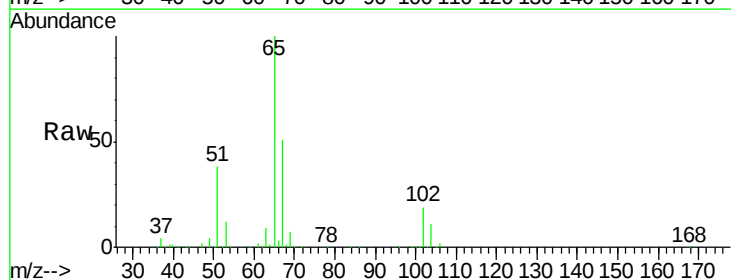
Acq: 1 Apr 2019 13:45

Tgt Ion: 65 Resp: 347825

Ion Ratio Lower Upper

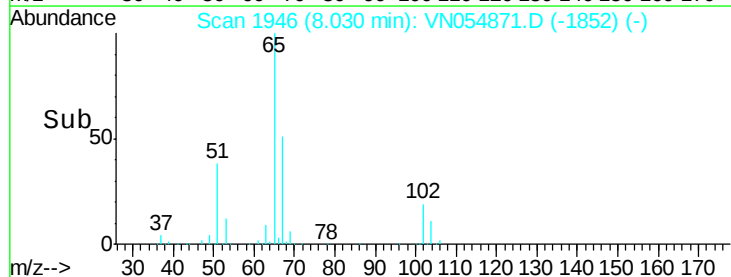
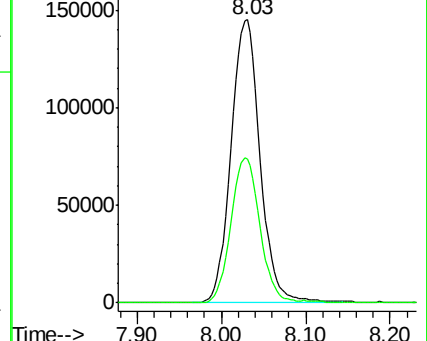
65 100

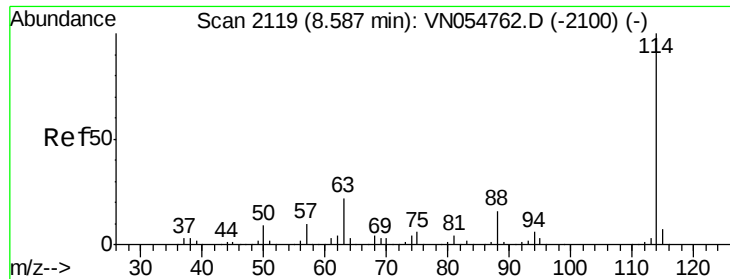
67 51.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

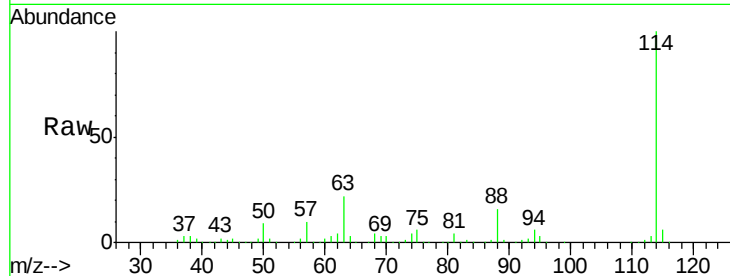




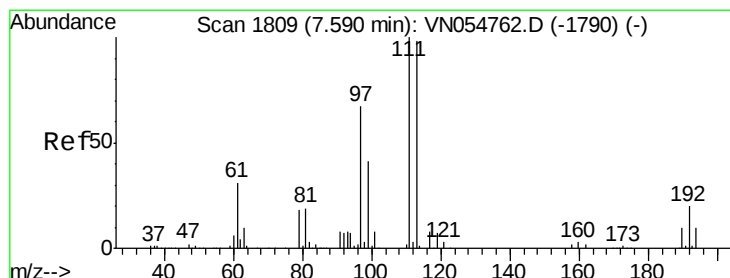
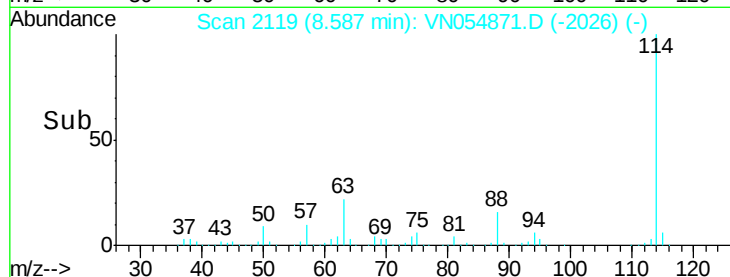
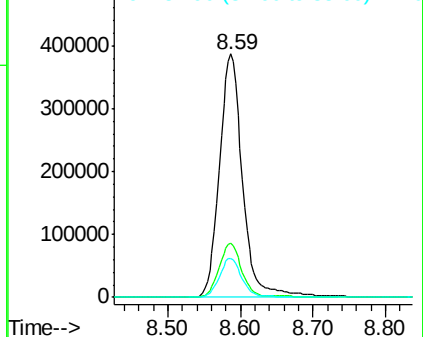
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054871.D
 Acq: 1 Apr 2019 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 PB118453TB

Tot Ion:114 Resp: 856879
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 35.2
 88 15.9 0.0 30.2

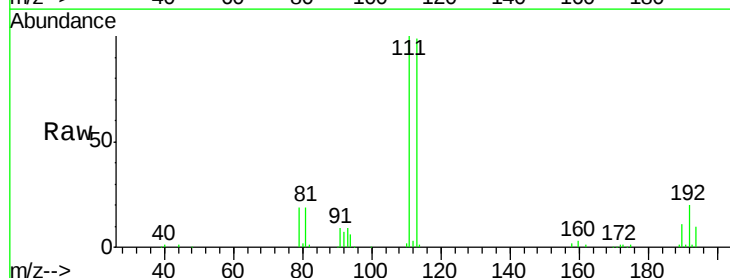


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

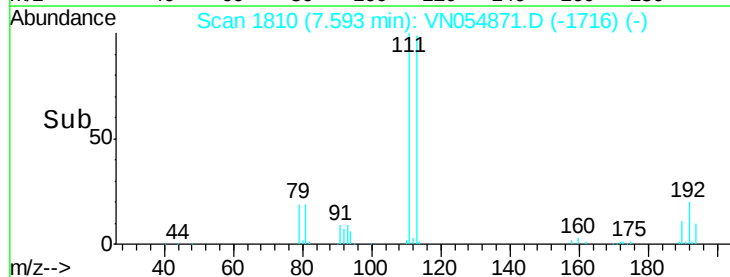
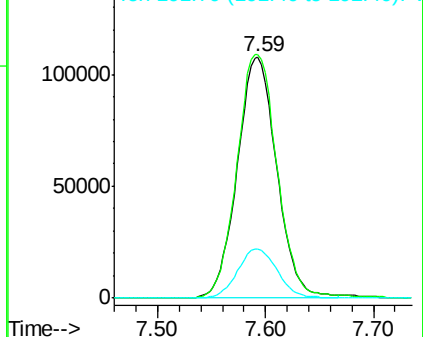


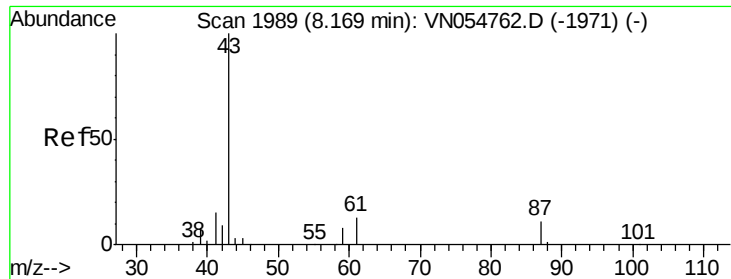
#35
 Dibromofluoromethane
 Concen: 47.923 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054871.D
 Acq: 1 Apr 2019 13:45

Tgt Ion:113 Resp: 273773
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.4
 192 20.6 19.2 28.8



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: 1.620 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054871.D

Acq: 1 Apr 2019 13:45

Instrument :

MSVOA_N

ClientSampleId :

PB118453TB

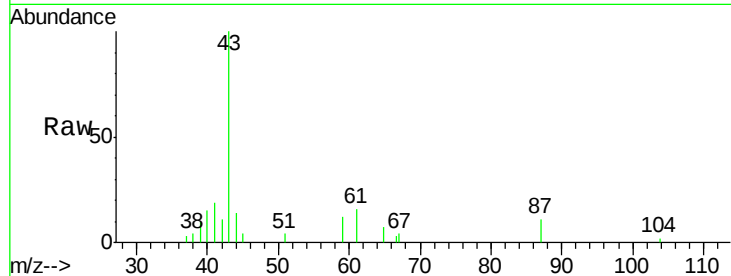
Tot Ion: 43 Resp: 15408

Ion Ratio Lower Upper

43 100

61 9.2 15.8 23.8#

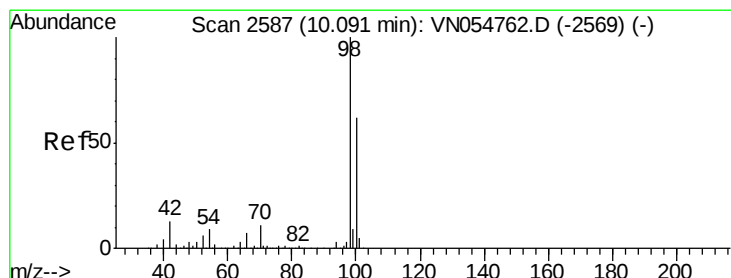
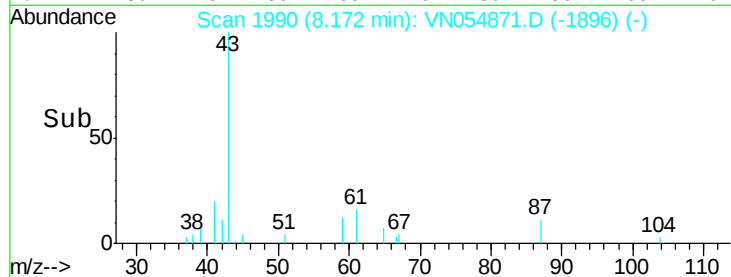
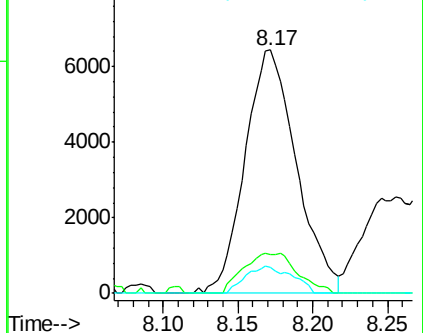
87 10.1 12.0 18.0#



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: 49.233 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054871.D

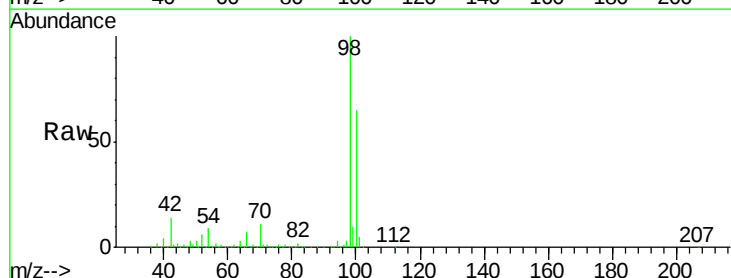
Acq: 1 Apr 2019 13:45

Tgt Ion: 98 Resp: 1045656

Ion Ratio Lower Upper

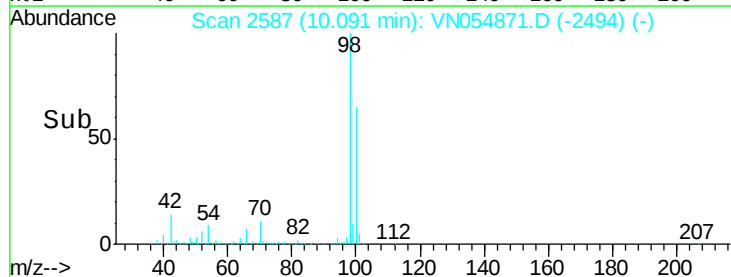
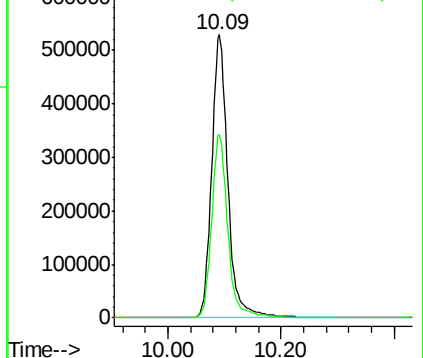
98 100

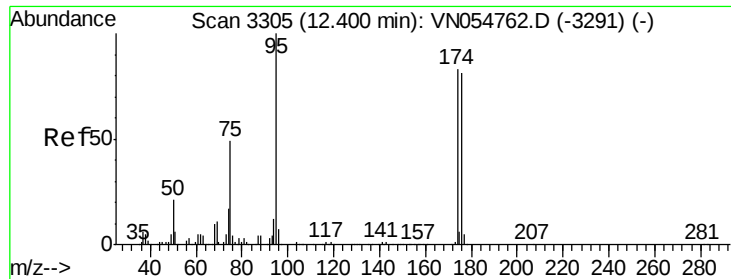
100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 45.006 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054871.D

Acq: 1 Apr 2019 13:45

Instrument :

MSVOA_N

ClientSampleId :

PB118453TB

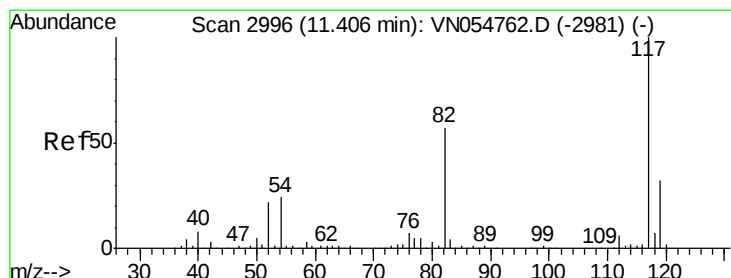
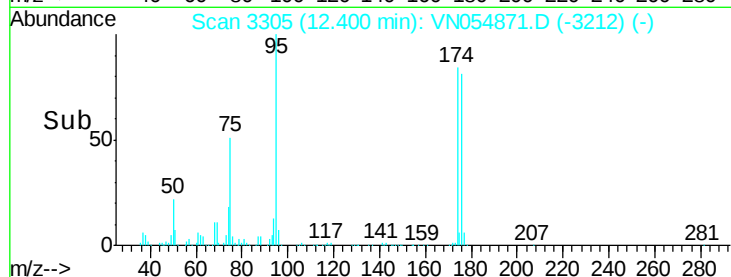
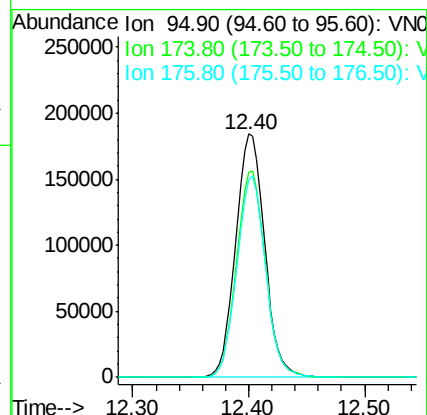
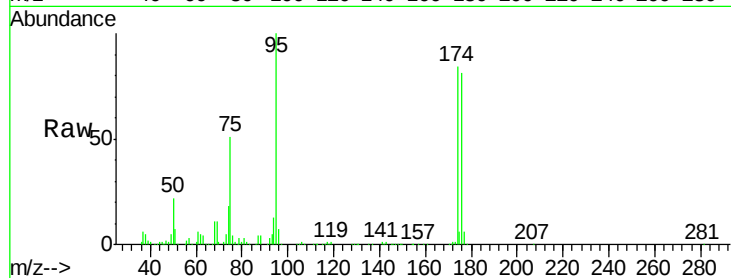
Tot Ion: 95 Resp: 317902

Ion Ratio Lower Upper

95 100

174 84.5 0.0 191.0

176 82.1 0.0 187.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054871.D

Acq: 1 Apr 2019 13:45

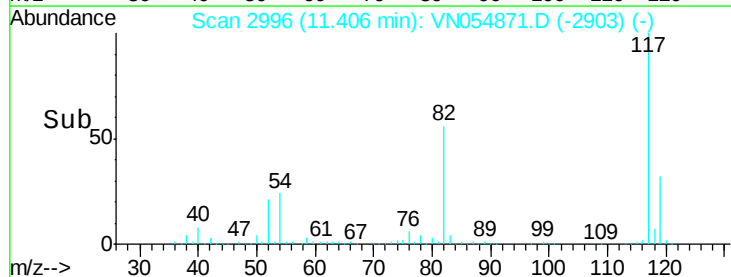
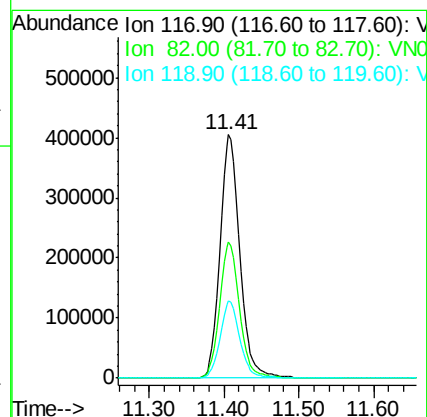
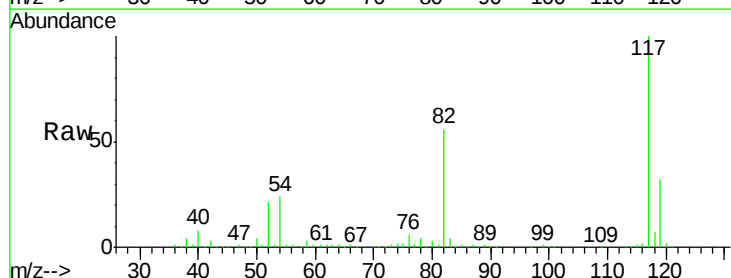
Tgt Ion: 117 Resp: 745830

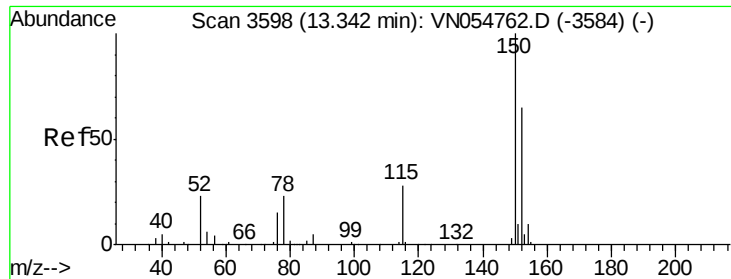
Ion Ratio Lower Upper

117 100

82 56.0 40.0 60.0

119 31.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054871.D

Acq: 1 Apr 2019 13:45

Instrument :

MSVOA_N

ClientSampleId :

PB118453TB

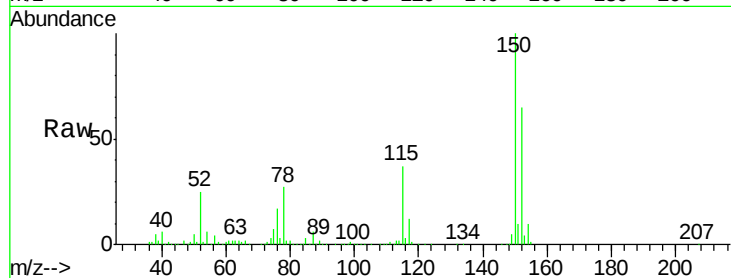
Tot Ion:152 Resp: 261821

Ion Ratio Lower Upper

152 100

115 58.4 27.2 81.6

150 155.2 0.0 349.2



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

