

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010319\
 Data File : VN053259.D
 Acq On : 3 Jan 2019 13:50
 Operator : MD\SY
 Sample : PB116111ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#04

Quant Time: Jan 04 07:20:20 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

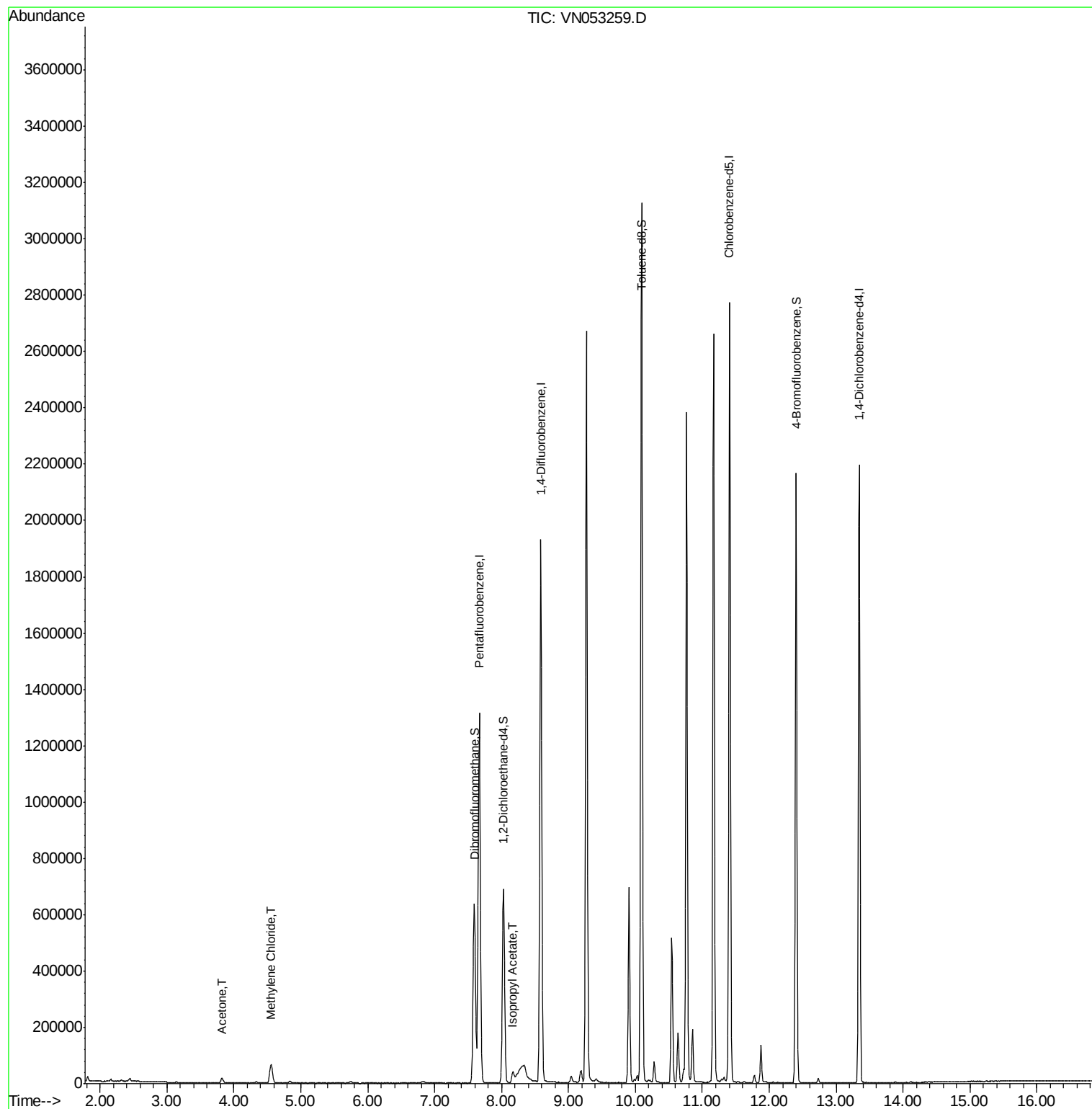
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1169800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1804641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1693323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	631377	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	574270	48.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.74%	
35) Dibromofluoromethane	7.59	113	489308	59.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.72%	
50) Toluene-d8	10.09	98	2254188	50.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	752331	48.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.86%	
Target Compounds						
16) Acetone	3.82	43	30652	13.169	ug/l	98
20) Methylene Chloride	4.56	84	51562	4.061	ug/l	95
43) Isopropyl Acetate	8.17	43	55916	1.985	ug/l #	85

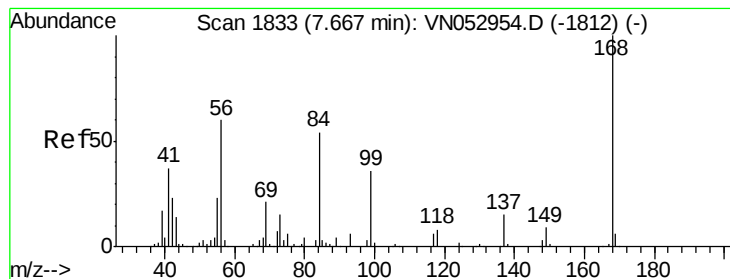
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053259.D

Acq: 3 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

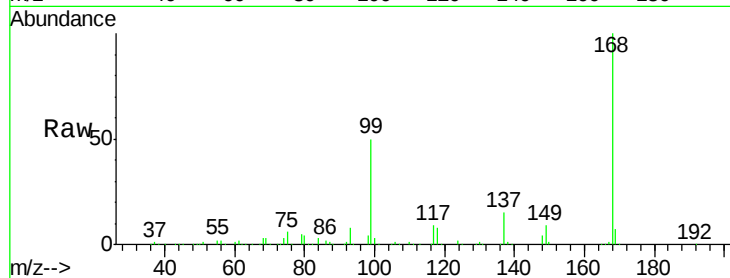
PB116111ZHE#04

Tot Ion:168 Resp: 1169800

Ion Ratio Lower Upper

168 100

99 49.8 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

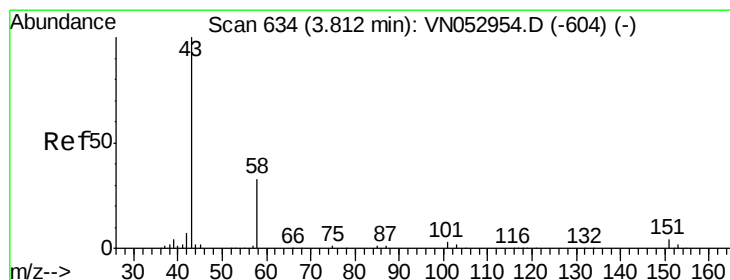
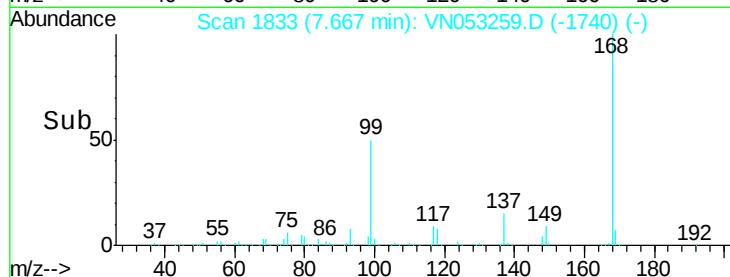
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 13.169 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053259.D

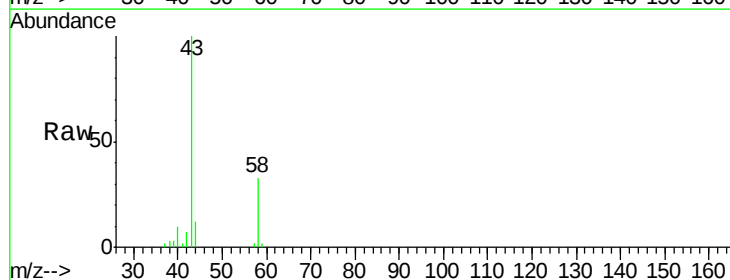
Acq: 3 Jan 2019 13:50

Tgt Ion: 43 Resp: 30652

Ion Ratio Lower Upper

43 100

58 32.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

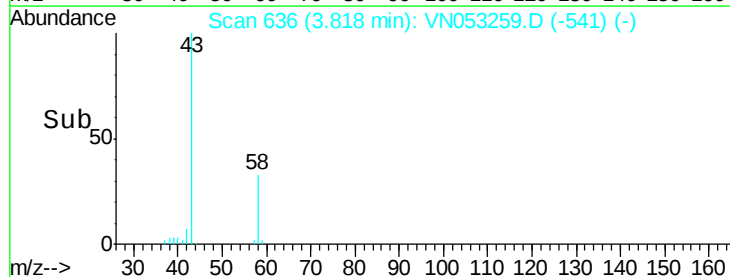
3.82

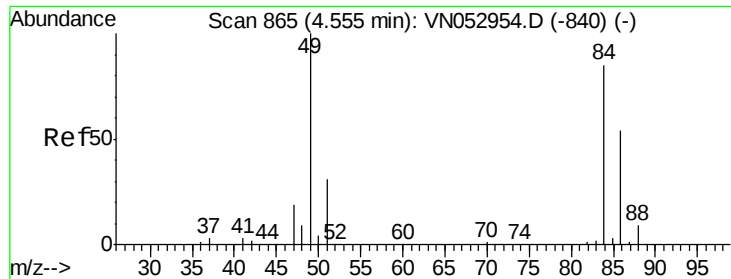
10000

5000

0

Time--> 3.70 3.80 3.90

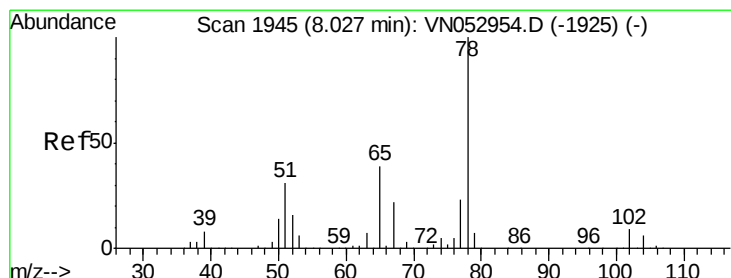
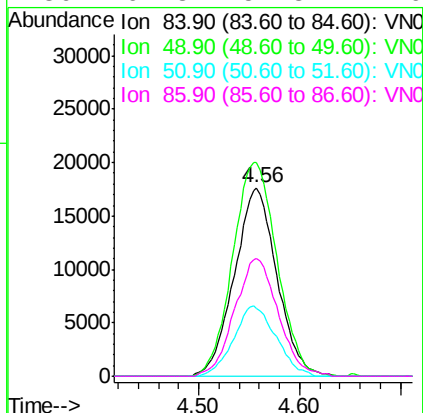
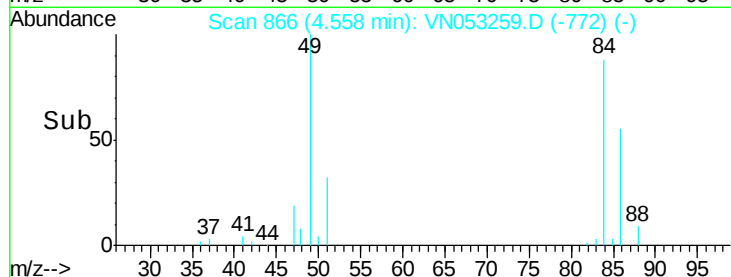
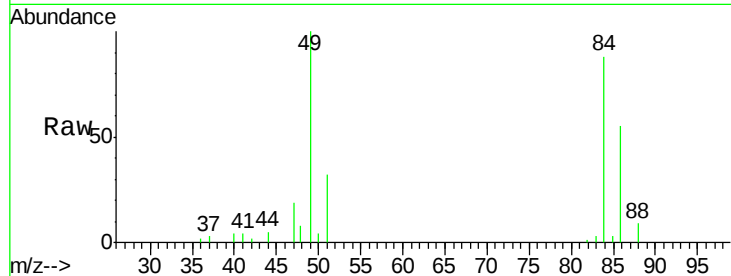




#20
Methylene Chloride
Concen: 4.061 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053259.D
Acq: 3 Jan 2019 13:50

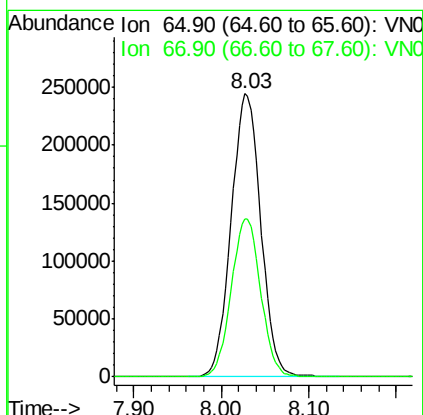
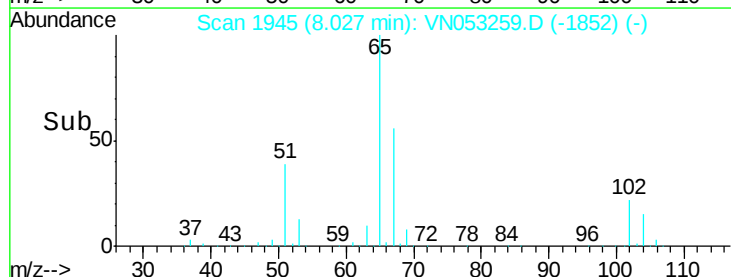
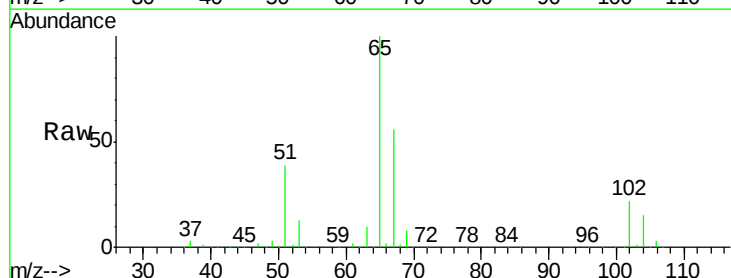
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#04

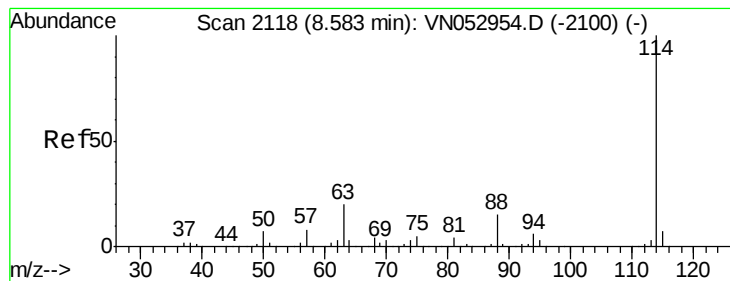
Tot Ion: 84 Resp: 51562
Ion Ratio Lower Upper
84 100
49 113.4 96.8 145.2
51 36.3 29.9 44.9
86 62.3 51.8 77.6



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN053259.D
Acq: 3 Jan 2019 13:50

Tgt Ion: 65 Resp: 574270
Ion Ratio Lower Upper
65 100
67 55.5 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: VN053259.D

Acq: 3 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#04

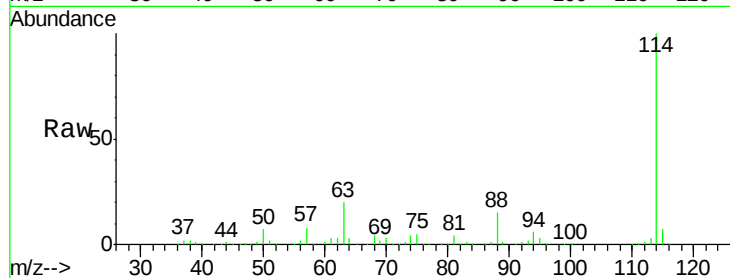
Tot Ion:114 Resp: 1804641

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

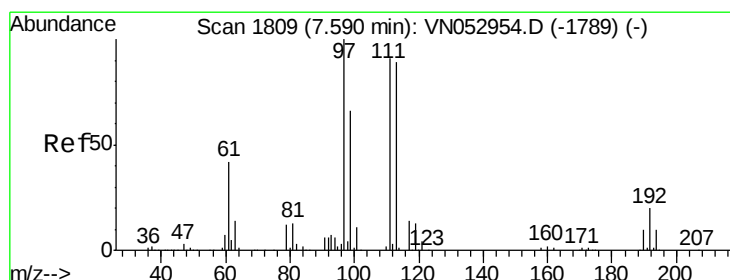
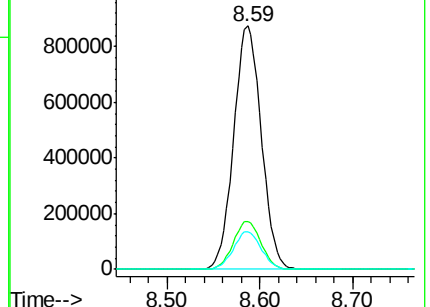
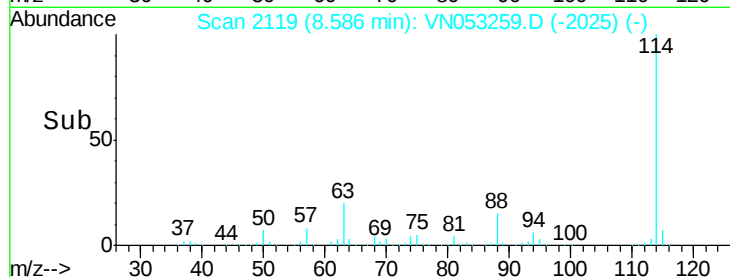
88 15.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): 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: VN053259.D

Acq: 3 Jan 2019 13:50

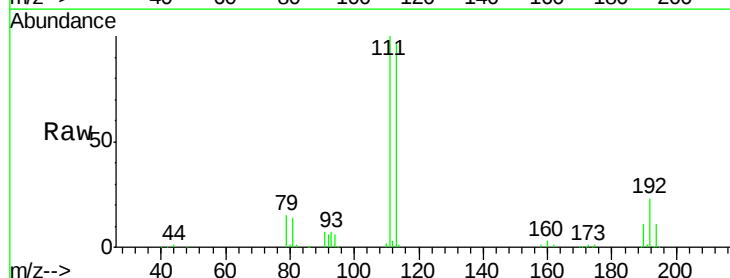
Tgt Ion:113 Resp: 489308

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.4

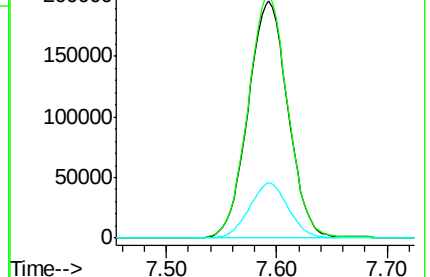
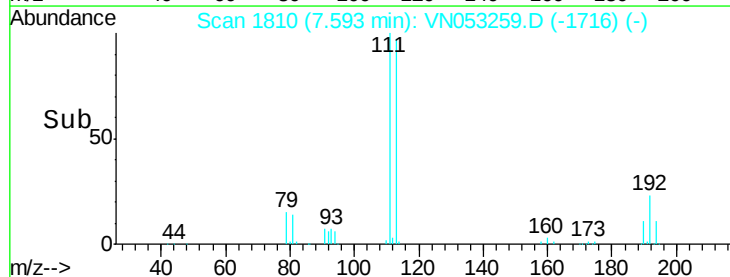
192 22.8 17.5 26.3

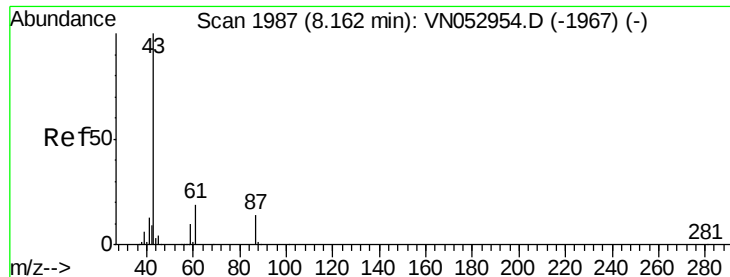


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.985 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053259.D

Acq: 3 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#04

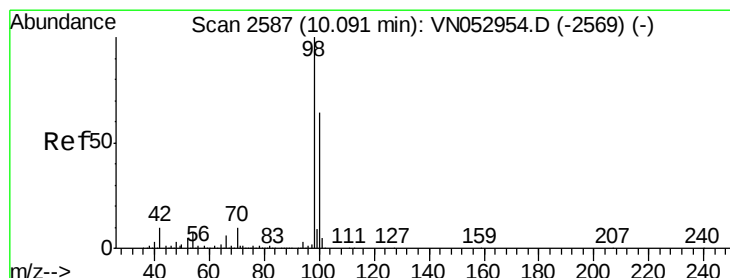
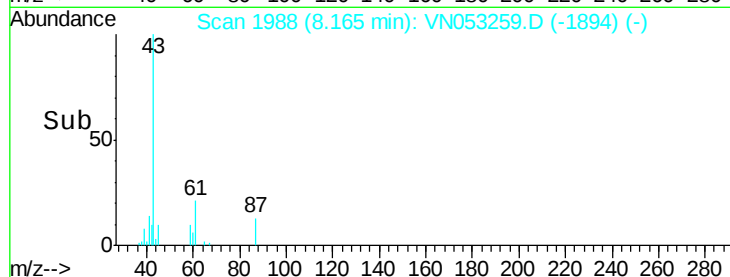
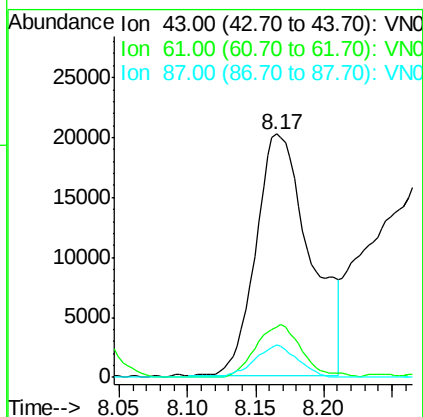
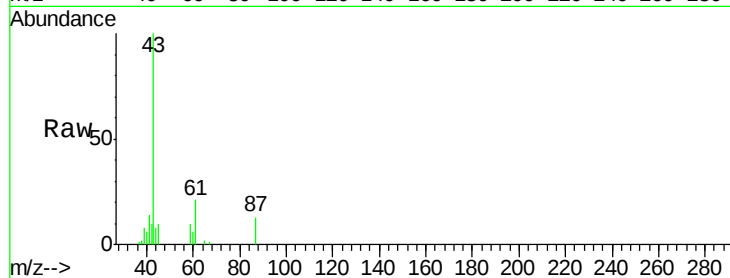
Tot Ion: 43 Resp: 55916

Ion Ratio Lower Upper

43 100

61 18.3 22.9 34.3#

87 10.4 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: VN053259.D

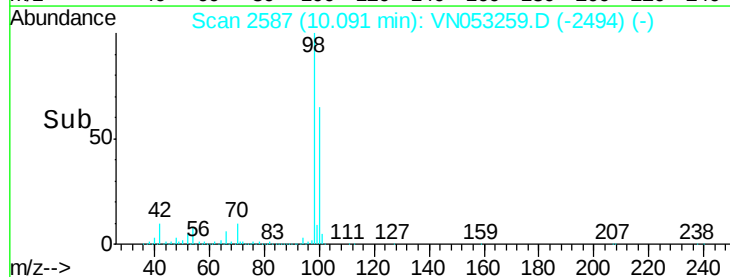
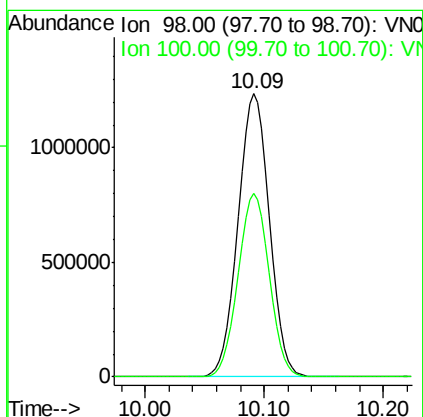
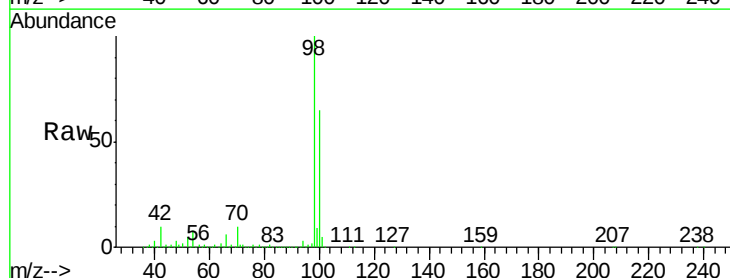
Acq: 3 Jan 2019 13:50

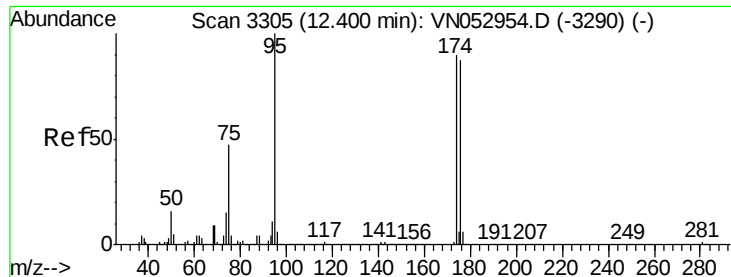
Tgt Ion: 98 Resp: 2254188

Ion Ratio Lower Upper

98 100

100 64.6 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: VN053259.D

Acq: 3 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#04

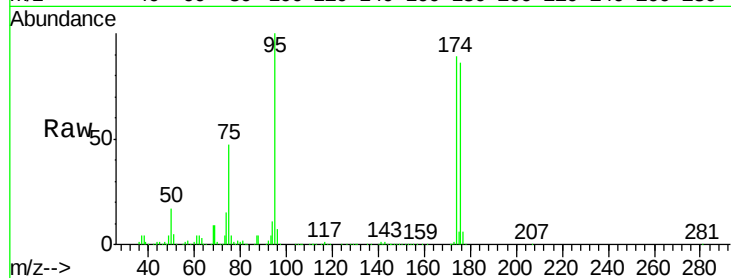
Tot Ion: 95 Resp: 752331

Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.8

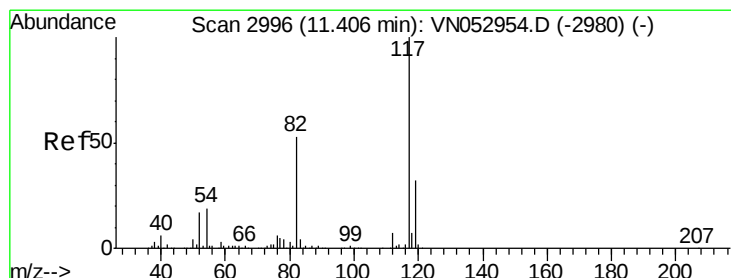
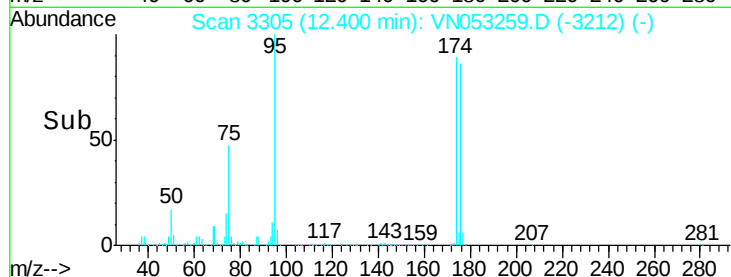
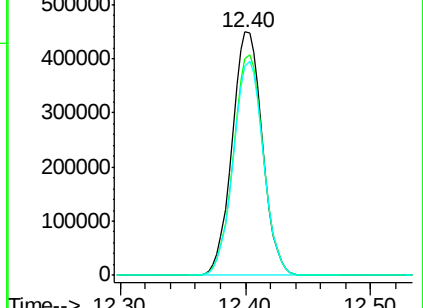
176 87.6 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN053259.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053259.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053259.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053259.D

Acq: 3 Jan 2019 13:50

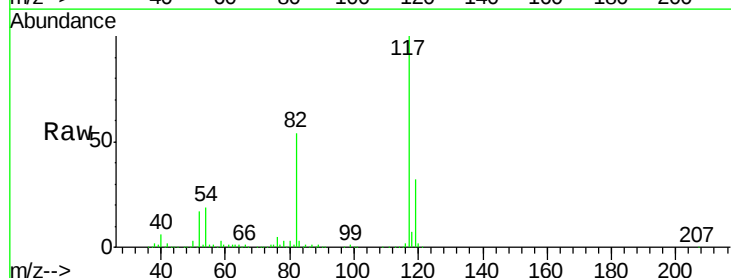
Tgt Ion: 117 Resp: 1693323

Ion Ratio Lower Upper

117 100

82 54.0 42.8 64.2

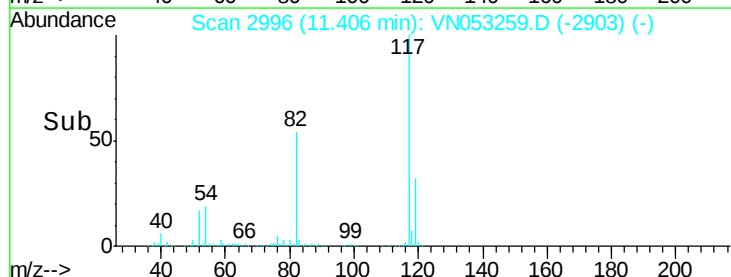
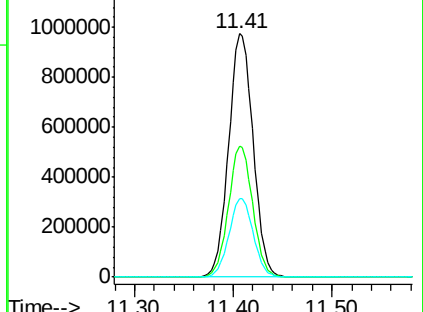
119 32.1 25.5 38.3

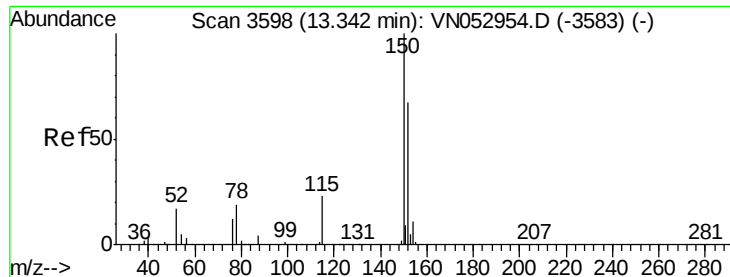


Abundance Ion 116.90 (116.60 to 117.60): VN053259.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053259.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053259.D (-2980) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053259.D

Acq: 3 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#04

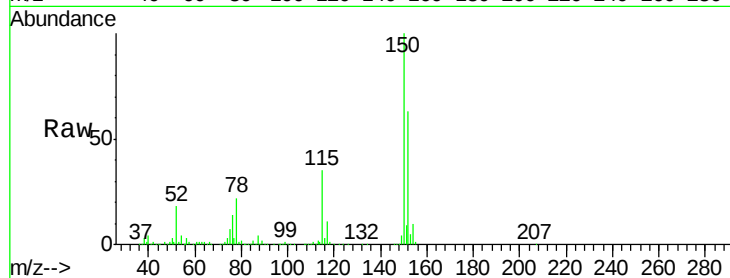
Tot Ion:152 Resp: 631377

Ion Ratio Lower Upper

152 100

115 55.8 28.3 85.0

150 157.6 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

