

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010319\
 Data File : VN053267.D
 Acq On : 3 Jan 2019 17:24
 Operator : MD\SY
 Sample : PB116111ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#12

Quant Time: Jan 04 07:42:19 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

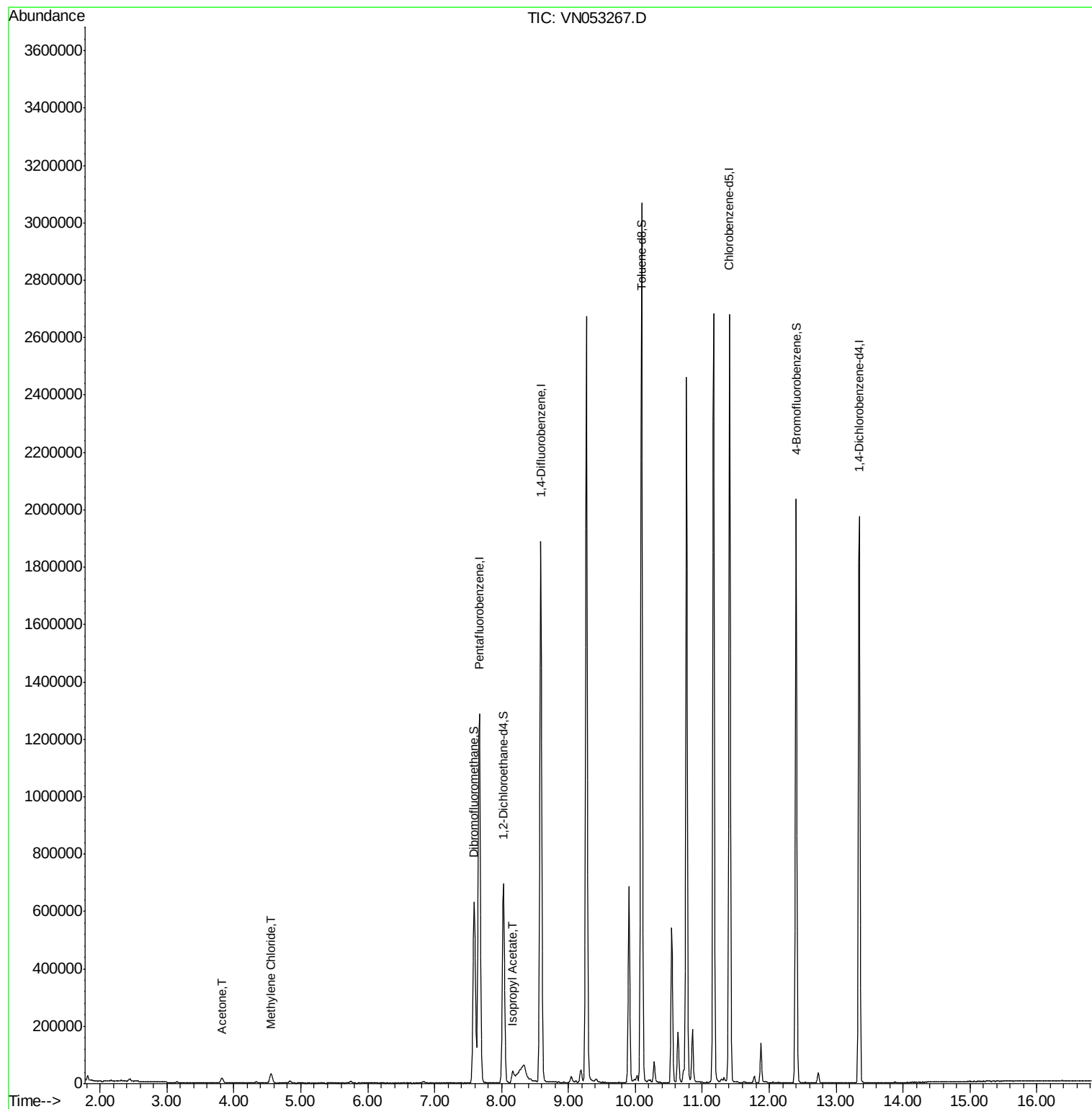
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1144477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1788032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1612309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	582843	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	570214	49.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.20%	
35) Dibromofluoromethane	7.59	113	490167	60.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.02%	
50) Toluene-d8	10.09	98	2201068	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.40	95	697094	45.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.58%	
Target Compounds						
16) Acetone	3.82	43	31499	13.832	ug/l	93
20) Methylene Chloride	4.56	84	25562	2.058	ug/l	87
43) Isopropyl Acetate	8.17	43	58003	2.128	ug/l #	82

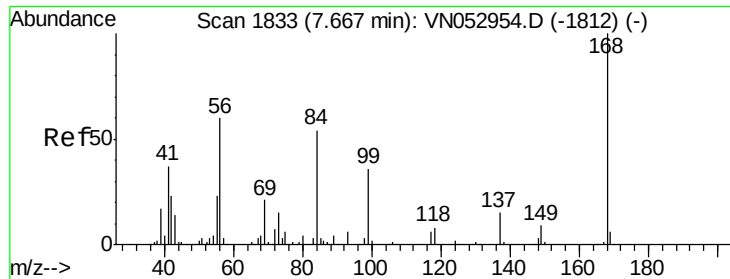
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053267.D

Acq: 3 Jan 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

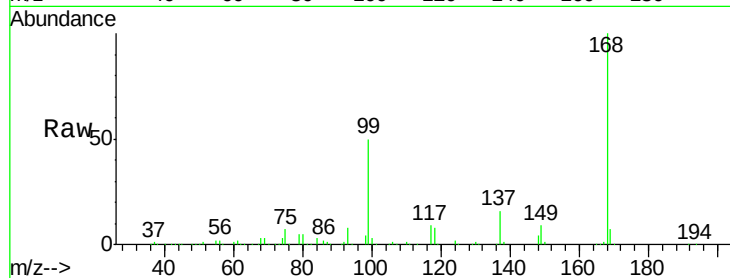
PB116111ZHE#12

Tot Ion:168 Resp: 1144477

Ion Ratio Lower Upper

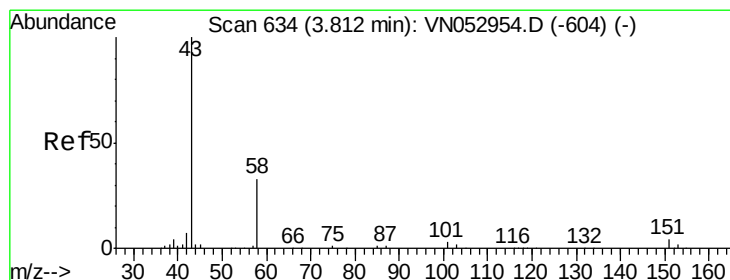
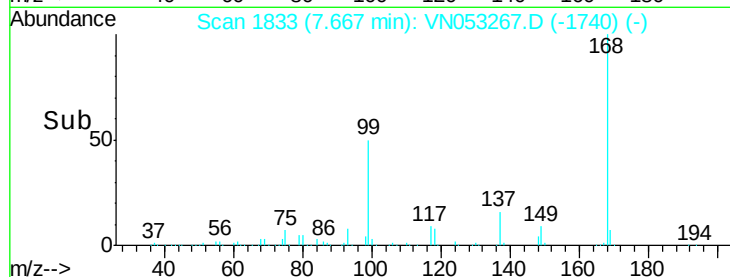
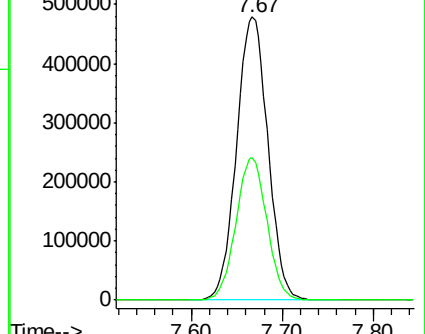
168 100

99 50.4 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: 13.832 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053267.D

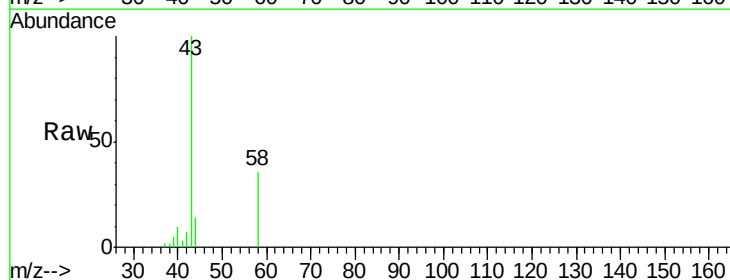
Acq: 3 Jan 2019 17:24

Tgt Ion: 43 Resp: 31499

Ion Ratio Lower Upper

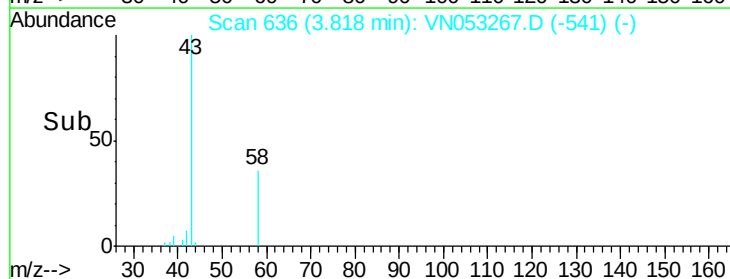
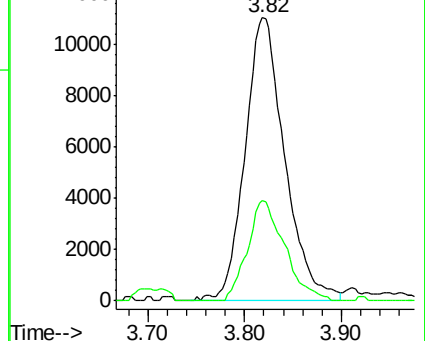
43 100

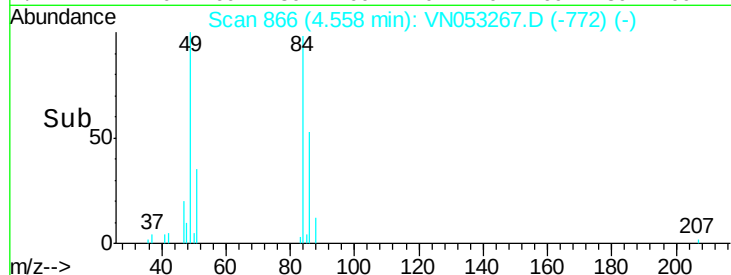
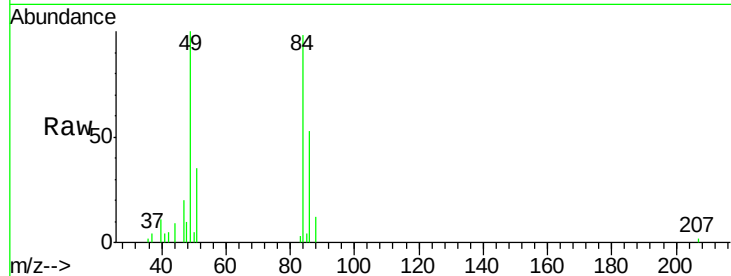
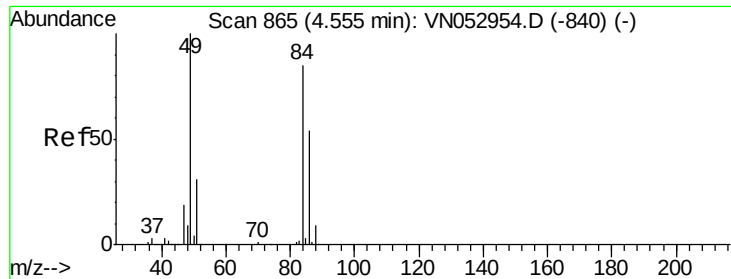
58 35.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

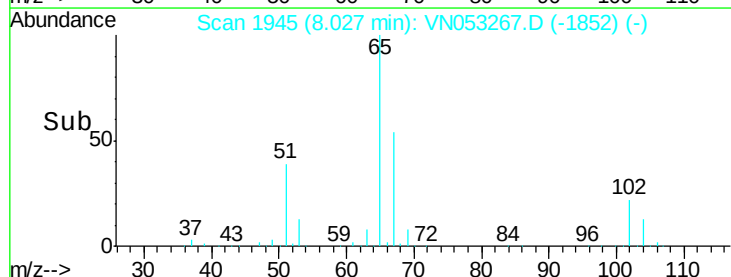
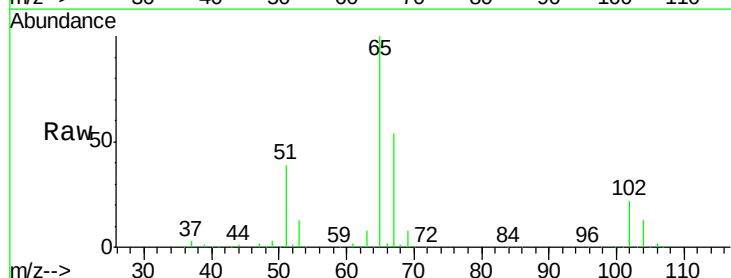
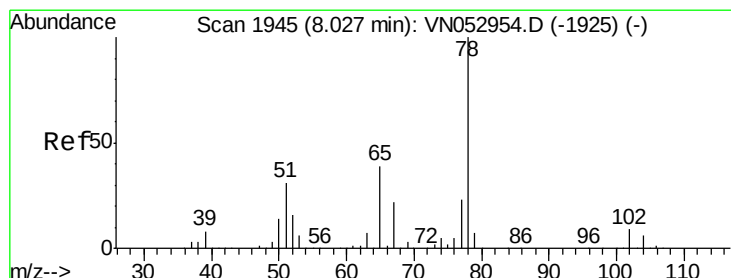
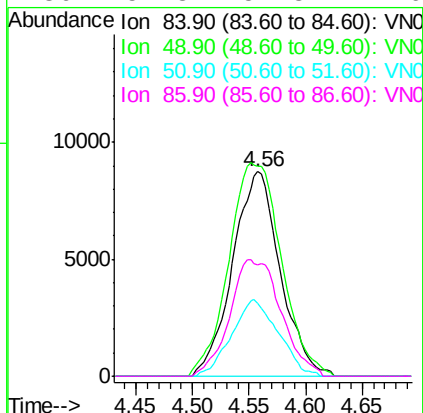




#20
Methylene Chloride
Concen: 2.058 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053267.D
Acq: 3 Jan 2019 17:24

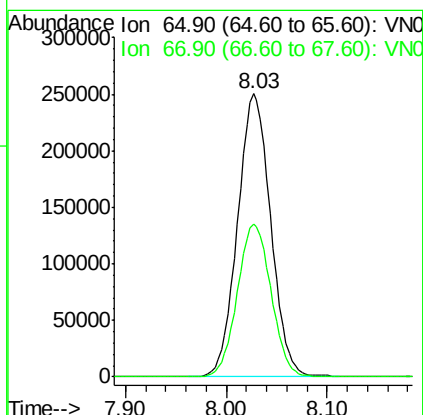
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#12

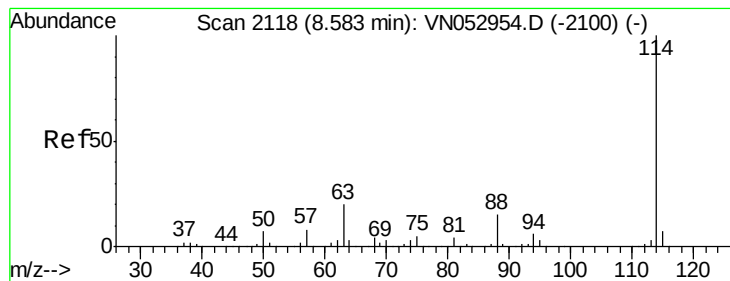
Tot Ion: 84 Resp: 25562
Ion Ratio Lower Upper
84 100
49 102.5 96.8 145.2
51 35.9 29.9 44.9
86 54.3 51.8 77.6



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN053267.D
Acq: 3 Jan 2019 17:24

Tgt Ion: 65 Resp: 570214
Ion Ratio Lower Upper
65 100
67 54.9 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: VN053267.D

Acq: 3 Jan 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#12

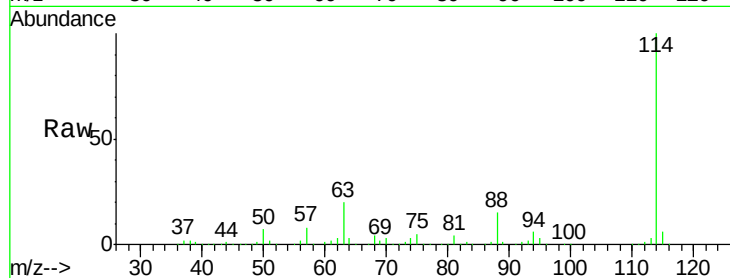
Tot Ion:114 Resp: 1788032

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

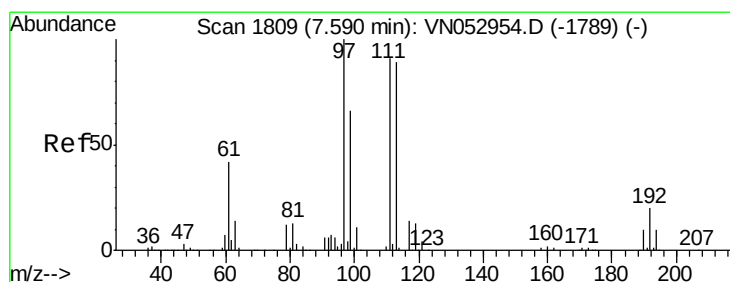
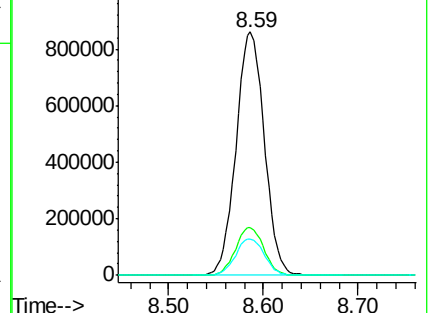
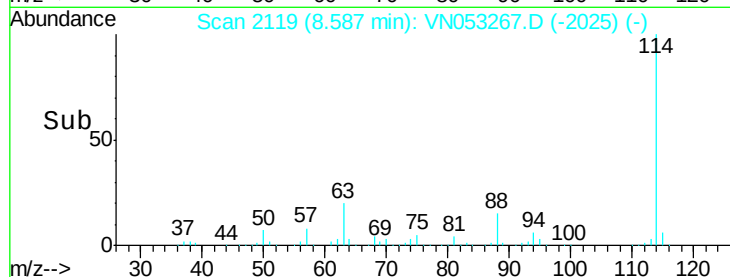
88 15.1 0.0 31.0



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# 1809

Delta R.T. -0.00 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

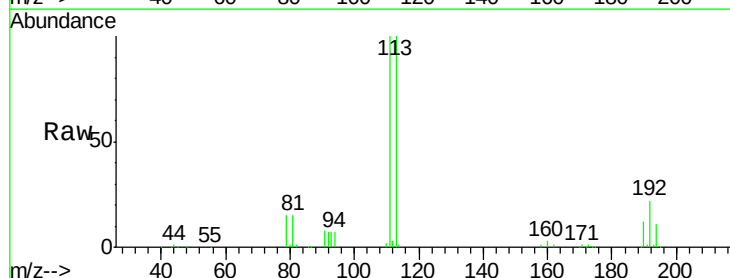
Tgt Ion:113 Resp: 490167

Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.4

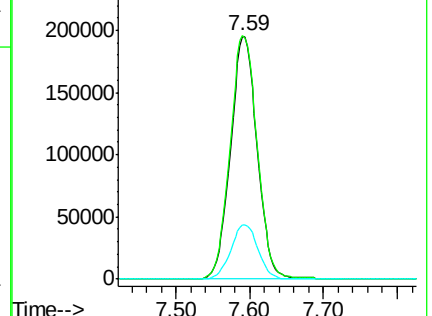
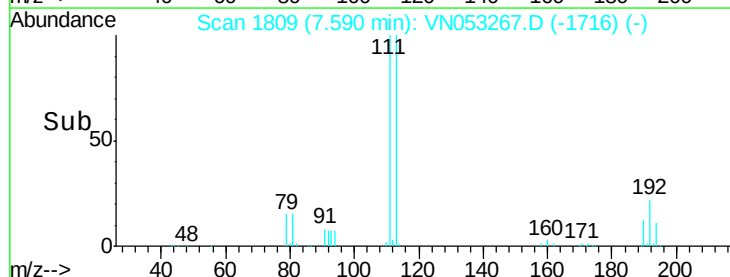
192 22.7 17.5 26.3

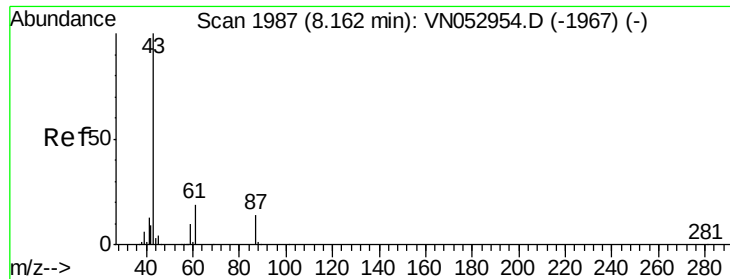


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.128 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#12

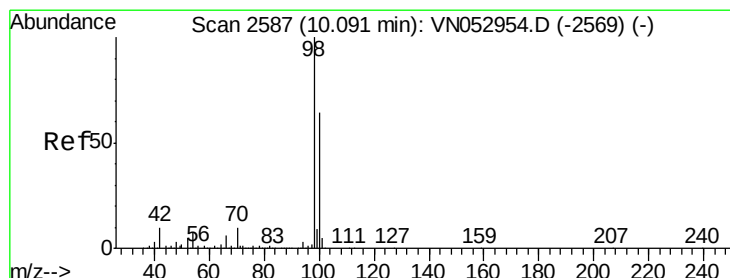
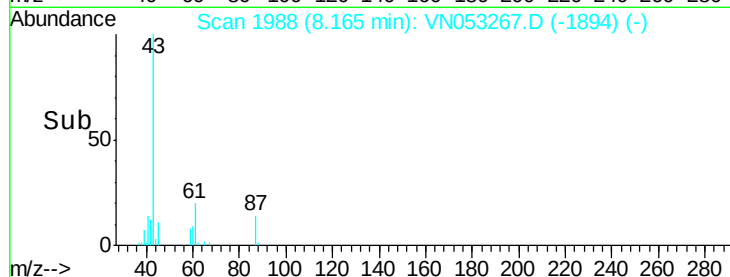
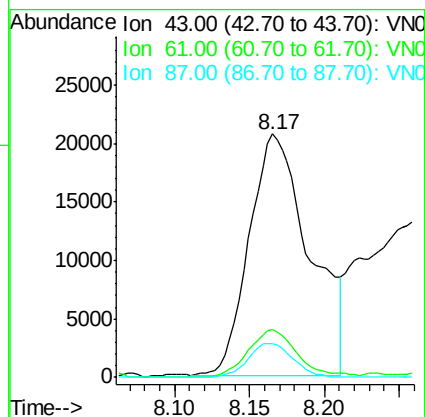
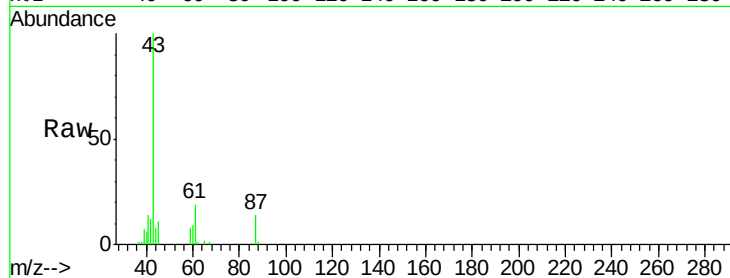
Tot Ion: 43 Resp: 58003

Ion Ratio Lower Upper

43 100

61 16.1 22.9 34.3#

87 10.5 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: VN053267.D

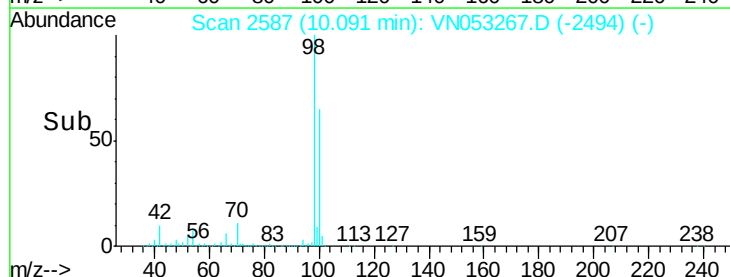
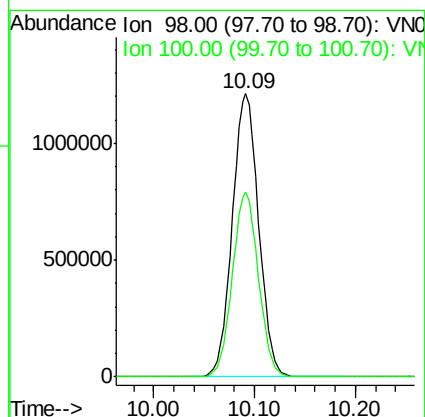
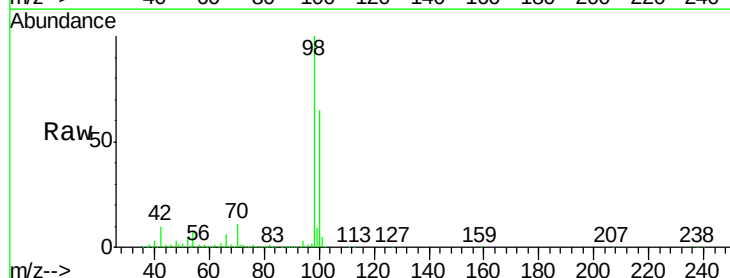
Acq: 3 Jan 2019 17:24

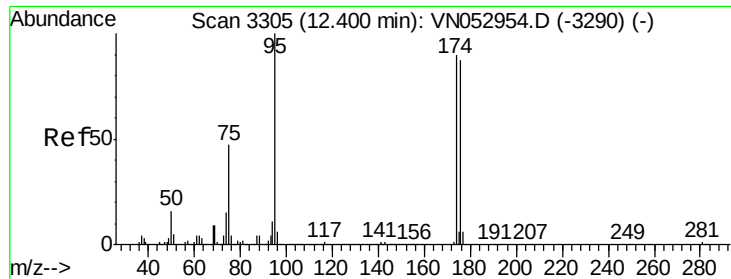
Tgt Ion: 98 Resp: 2201068

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# 3306

Delta R.T. 0.00 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#12

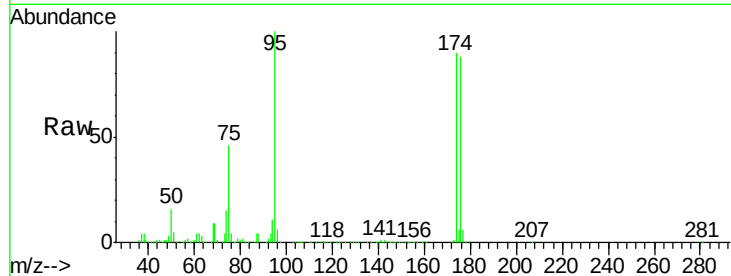
Tot Ion: 95 Resp: 697094

Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.8

176 87.1 0.0 173.8



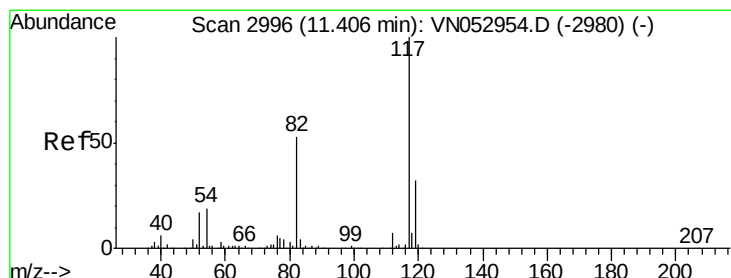
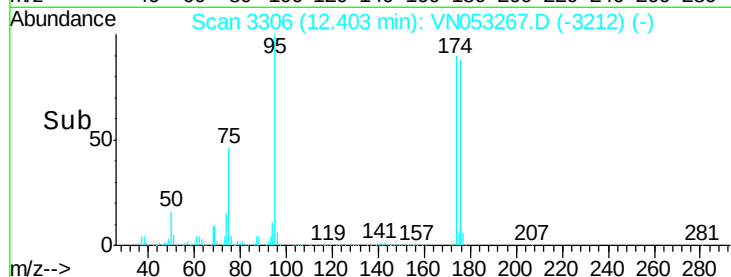
Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)

12.40

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

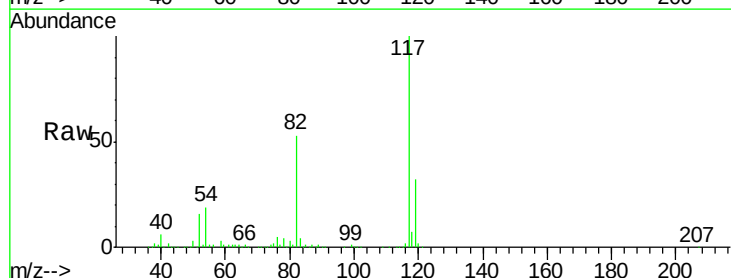
Tgt Ion: 117 Resp: 1612309

Ion Ratio Lower Upper

117 100

82 53.0 42.8 64.2

119 32.0 25.5 38.3



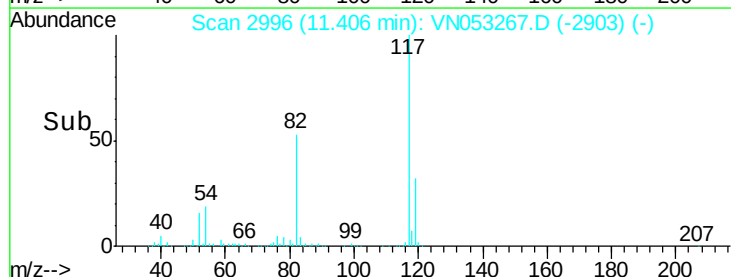
Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

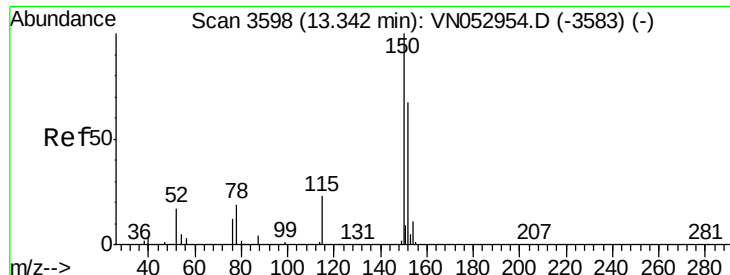
Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

11.41

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#12

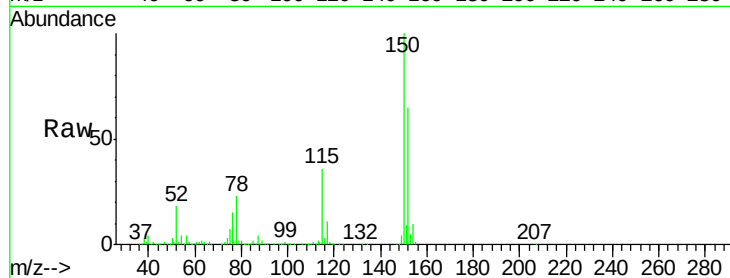
Tot Ion:152 Resp: 582843

Ion Ratio Lower Upper

152 100

115 55.6 28.3 85.0

150 155.8 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

