

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058356.D
 Acq On : 25 Sep 2019 11:07
 Operator : JC/SP
 Sample : PB123322TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB123322TB

Quant Time: Sep 26 05:55:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

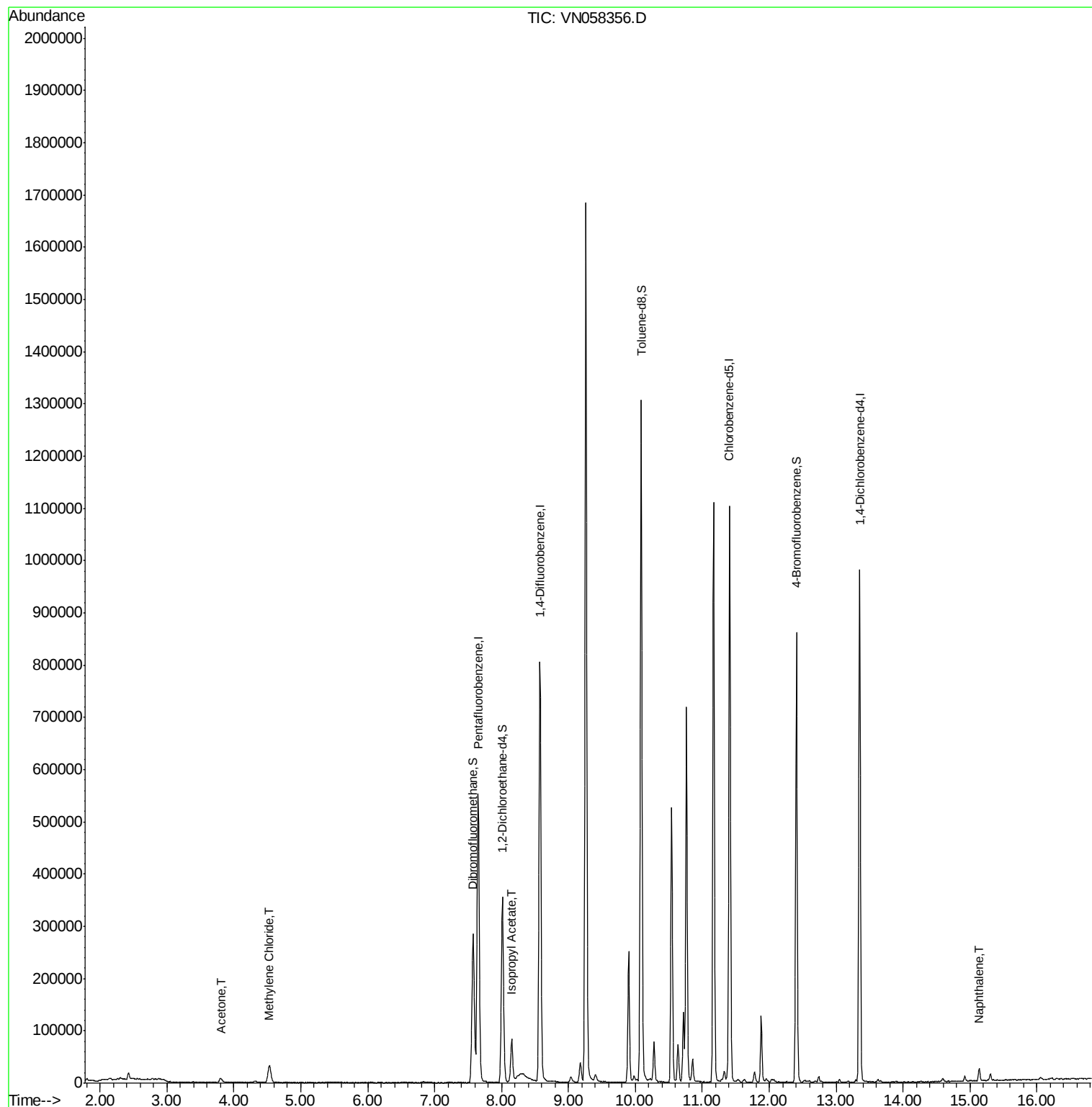
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	427152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	702306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	245931	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	313925	52.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.54%	
35) Dibromofluoromethane	7.57	113	218016	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.12%	
50) Toluene-d8	10.08	98	889614	53.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.96%	
62) 4-Bromofluorobenzene	12.41	95	287041	46.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.90%	
Target Compounds						
16) Acetone	3.80	43	15382	7.617	ug/l	97
20) Methylene Chloride	4.53	84	23800	6.539	ug/l	95
43) Isopropyl Acetate	8.15	43	97509	9.933	ug/l #	92
95) Naphthalene	15.14	128	19830	1.688	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058356.D

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Instrument :

MSVOA_N

ClientSampleId :

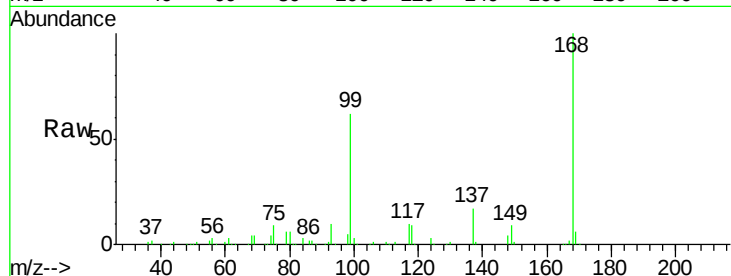
PB123322TB

Tot Ion:168 Resp: 427152

Ion Ratio Lower Upper

168 100

99 61.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

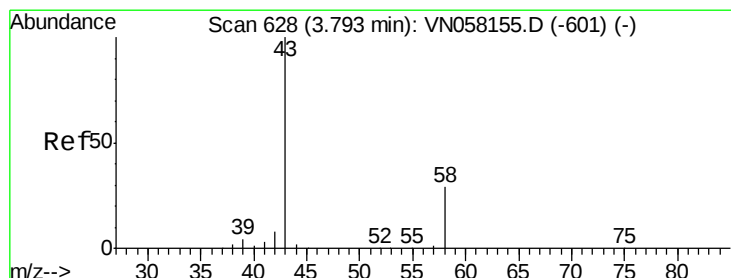
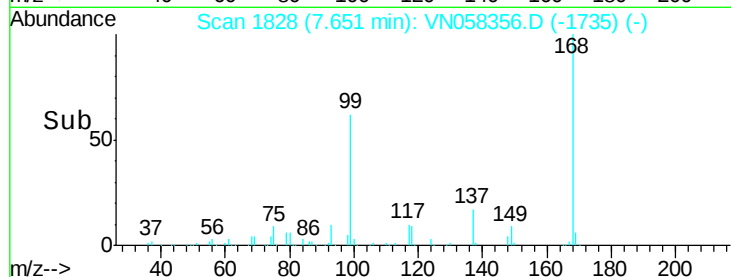
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.617 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058356.D

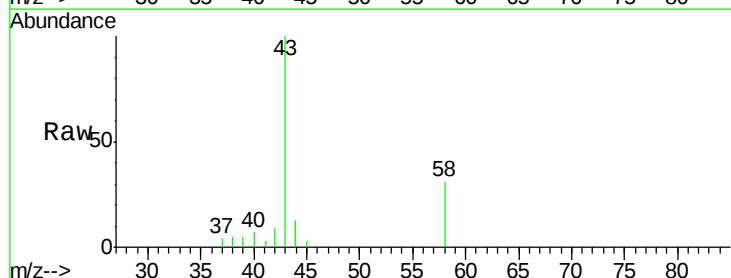
Acq: 25 Sep 2019 11:07

Tgt Ion: 43 Resp: 15382

Ion Ratio Lower Upper

43 100

58 31.1 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

6000

5000

4000

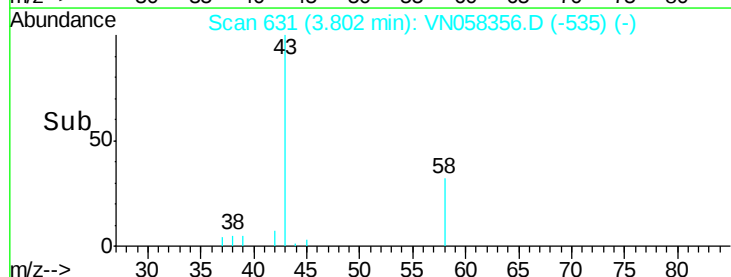
3000

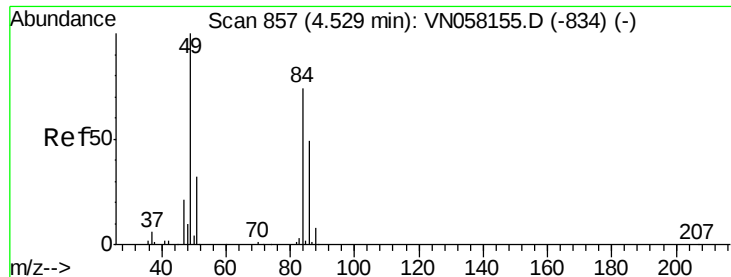
2000

1000

0

Time-->

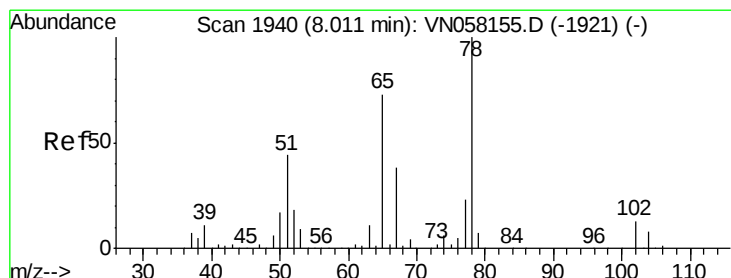
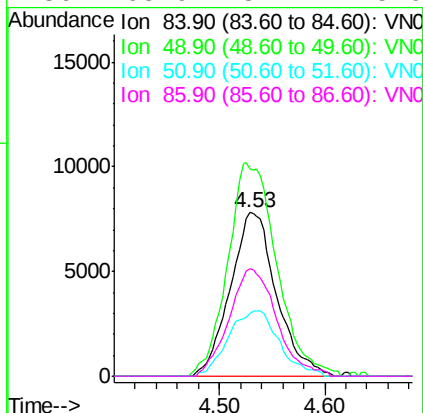
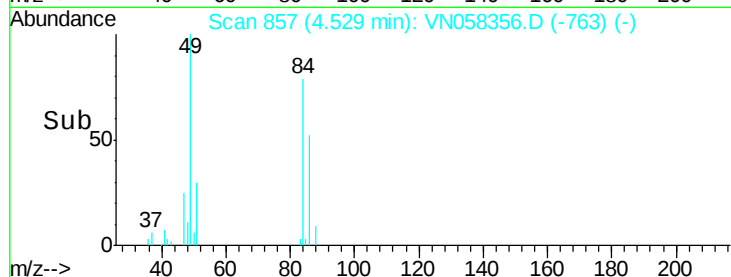
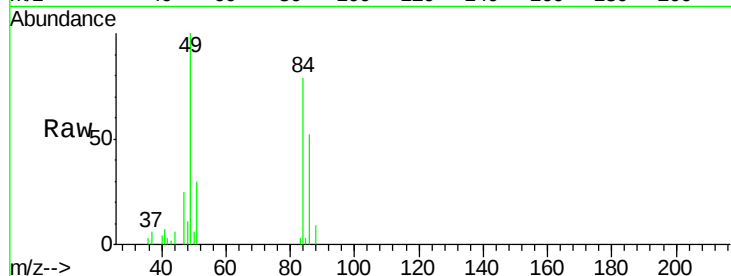




#20
Methvlene Chloride
Concen: 6.539 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058356.D
Acq: 25 Sep 2019 11:07

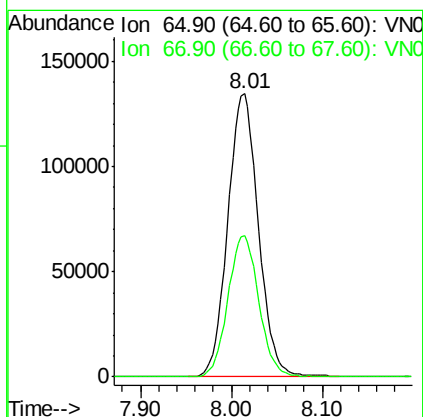
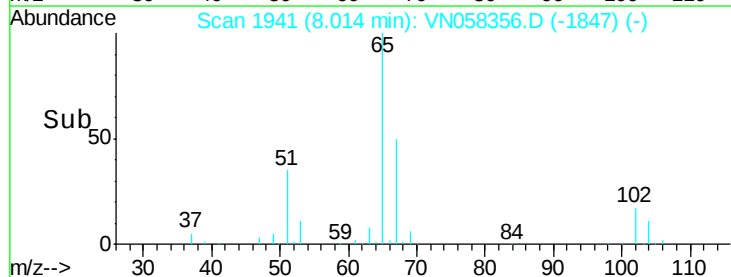
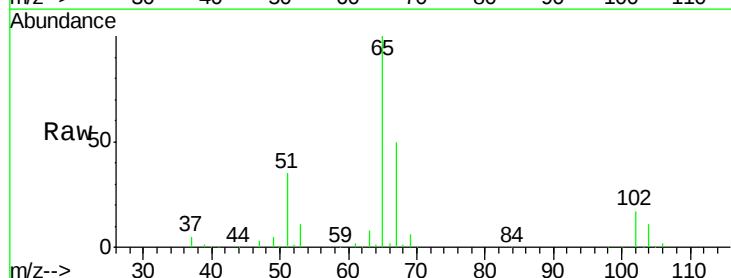
Instrument :
MSVOA_N
ClientSampleId :
PB123322TB

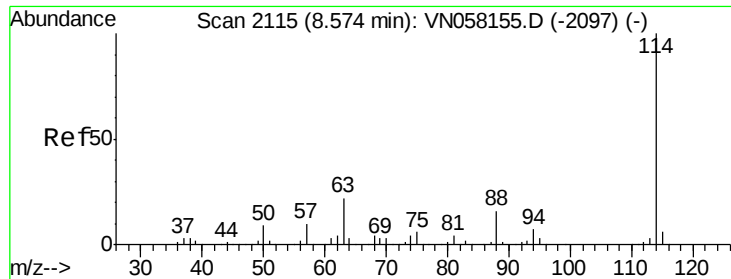
Tot Ion: 84 Resp: 23800
Ion Ratio Lower Upper
84 100
49 126.8 107.5 161.3
51 38.4 33.9 50.9
86 65.9 52.4 78.6



#33
1,2-Dichloroethane-d4
Concen: 52.766 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN058356.D
Acq: 25 Sep 2019 11:07

Tgt Ion: 65 Resp: 313925
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.4

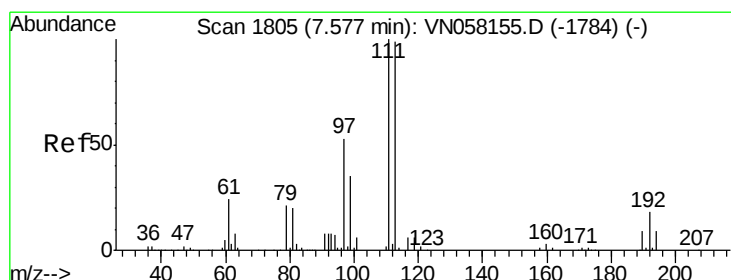
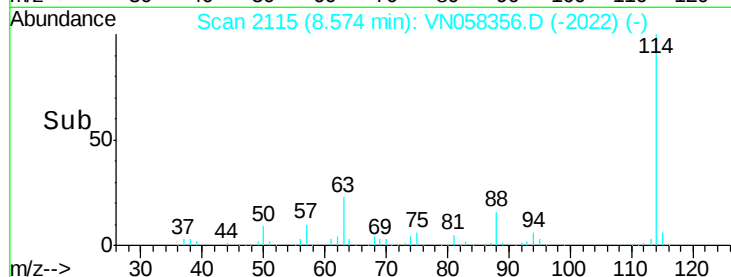
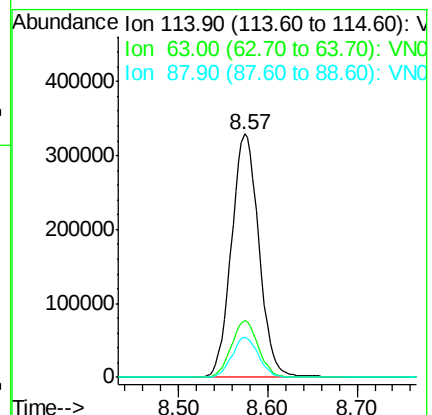
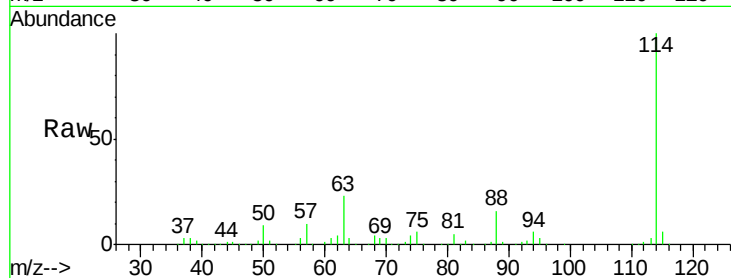




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058356.D
Acq: 25 Sep 2019 11:07

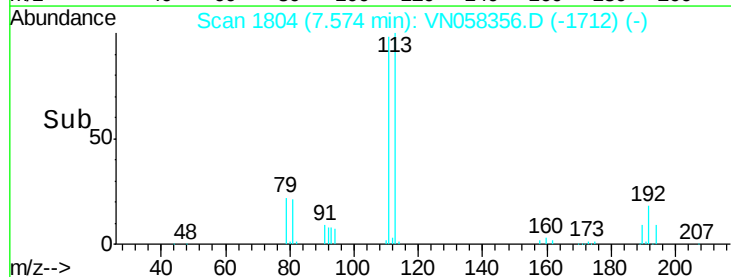
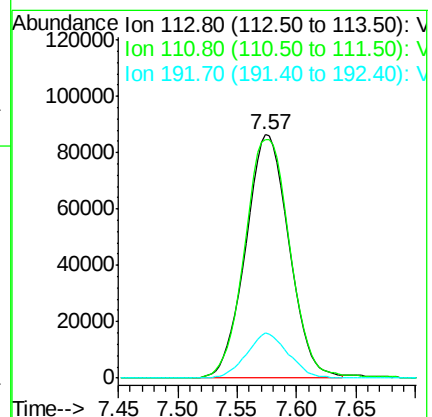
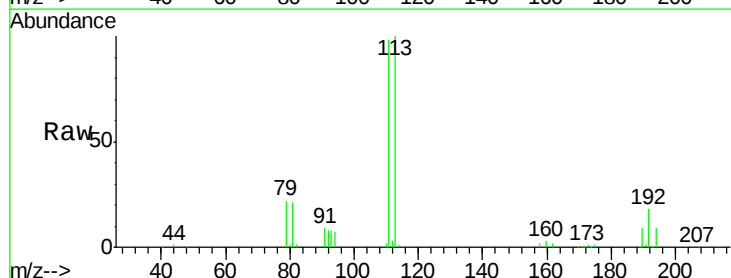
Instrument :
MSVOA_N
ClientSampleId :
PB123322TB

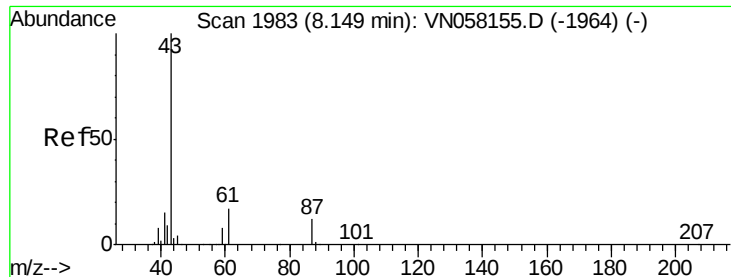
Tot Ion:114 Resp: 702306
Ion Ratio Lower Upper
114 100
63 23.4 0.0 44.2
88 16.3 0.0 31.6



#35
Dibromofluoromethane
Concen: 51.064 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058356.D
Acq: 25 Sep 2019 11:07

Tgt Ion:113 Resp: 218016
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 17.8 14.5 21.7





#43

Isopropyl Acetate

Concen: 9.933 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058356.D

Acq: 25 Sep 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

PB123322TB

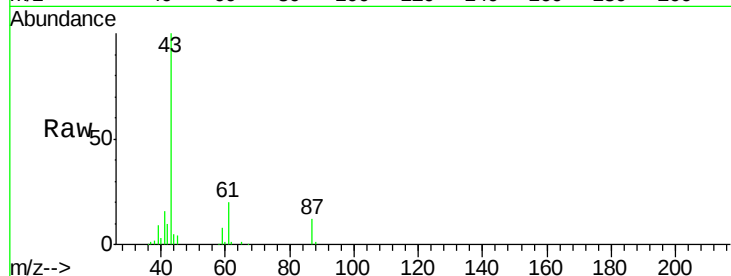
Tot Ion: 43 Resp: 97509

Ion Ratio Lower Upper

43 100

61 19.2 19.7 29.5#

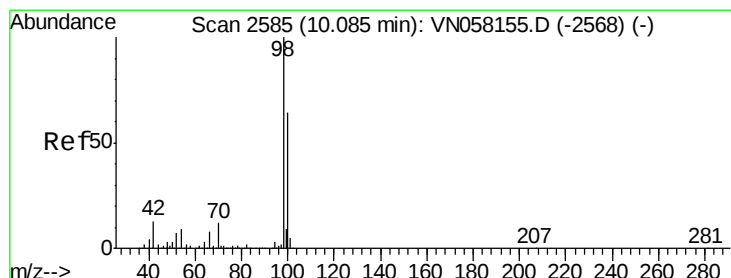
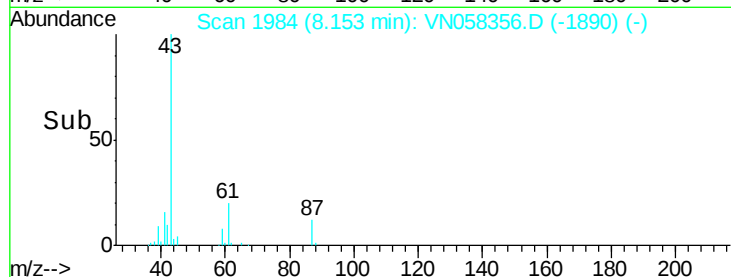
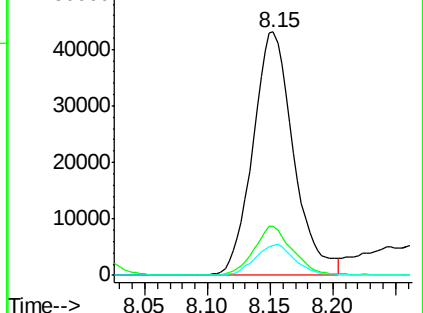
87 12.3 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)



#50

Toluene-d8

Concen: 53.480 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058356.D

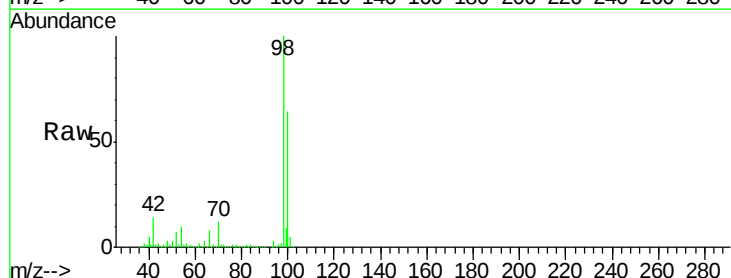
Acq: 25 Sep 2019 11:07

Tgt Ion: 98 Resp: 889614

Ion Ratio Lower Upper

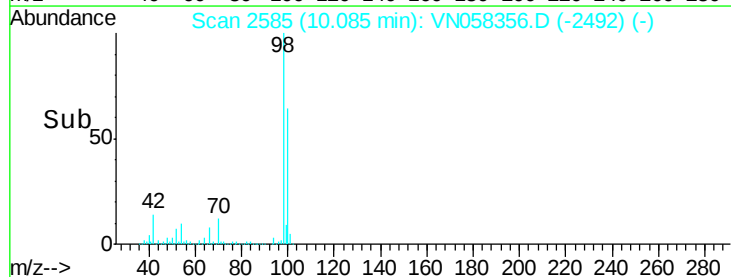
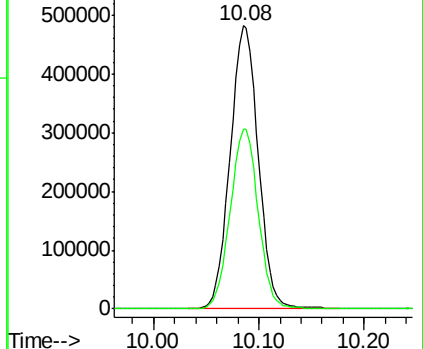
98 100

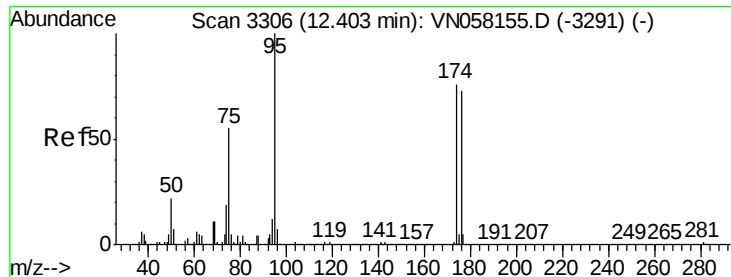
100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058155.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN058155.D (-2568) (-)





#62

4-Bromofluorobenzene

Concen: 46.453 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058356.D

Acq: 25 Sep 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

PB123322TB

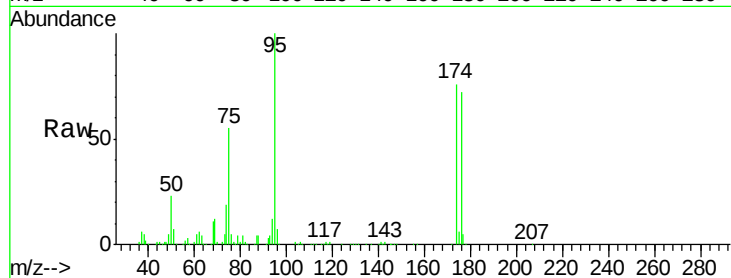
Tot Ion: 95 Resp: 287041

Ion Ratio Lower Upper

95 100

174 76.9 0.0 152.2

176 73.1 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN058155.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058155.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058155.D (-3291) (-)

12.41

200000

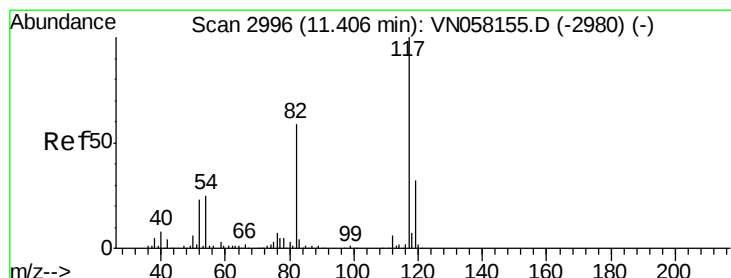
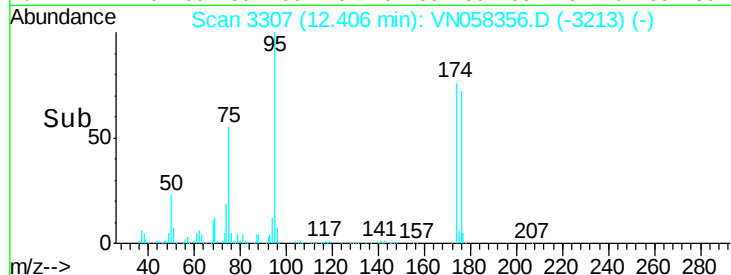
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058356.D

Acq: 25 Sep 2019 11:07

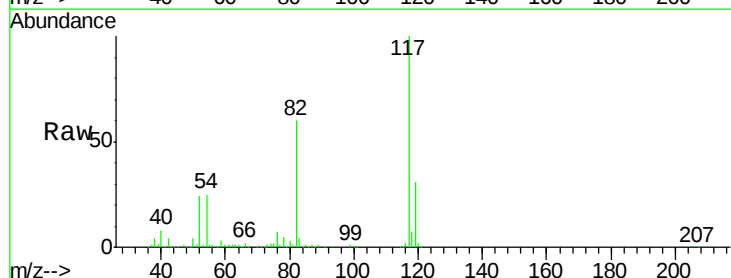
Tgt Ion: 117 Resp: 600171

Ion Ratio Lower Upper

117 100

82 59.6 46.9 70.3

119 31.3 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058155.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058155.D (-2980) (-)

11.41

400000

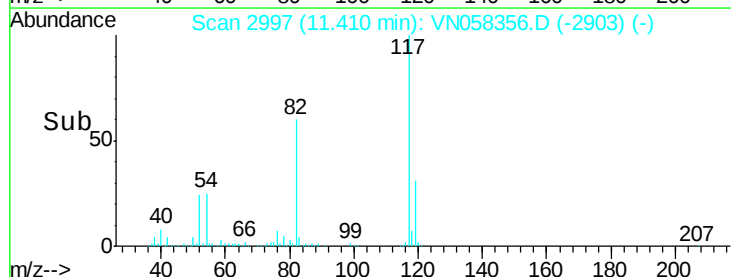
300000

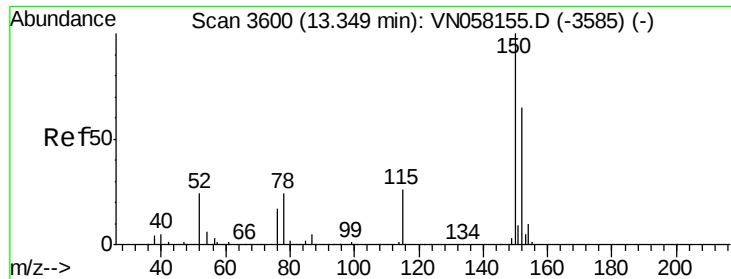
200000

100000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058356.D

Acq: 25 Sep 2019 11:07

Instrument :

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PB123322TB

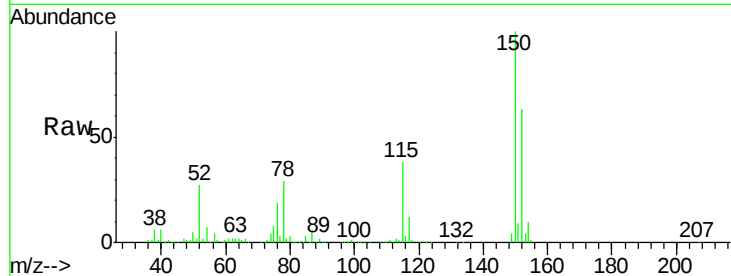
Tot Ion:152 Resp: 245931

Ion Ratio Lower Upper

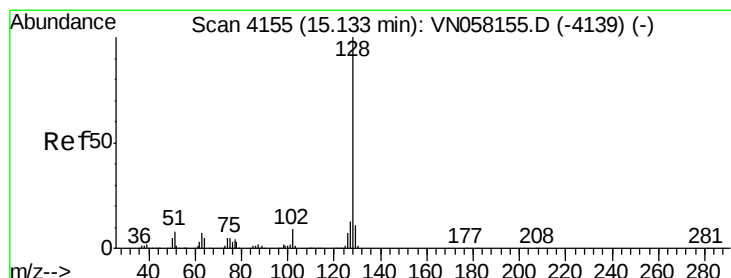
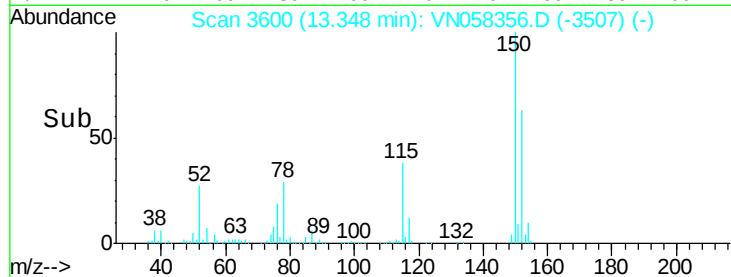
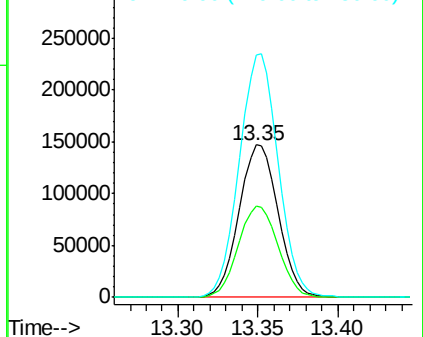
152 100

115 61.0 30.1 90.3

150 159.1 0.0 346.4



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



#95

Naphthalene

Concen: 1.688 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058356.D

Acq: 25 Sep 2019 11:07

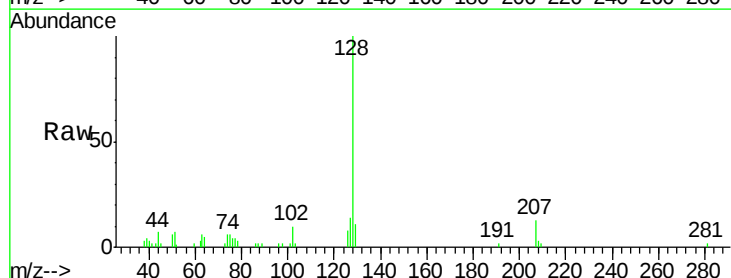
Tgt Ion:128 Resp: 19830

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.2

129 9.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

