

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111519\
 Data File : VN059256.D
 Acq On : 15 Nov 2019 11:40
 Operator : JC/SP
 Sample : PB124816TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB124816TB

Quant Time: Nov 16 00:41:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

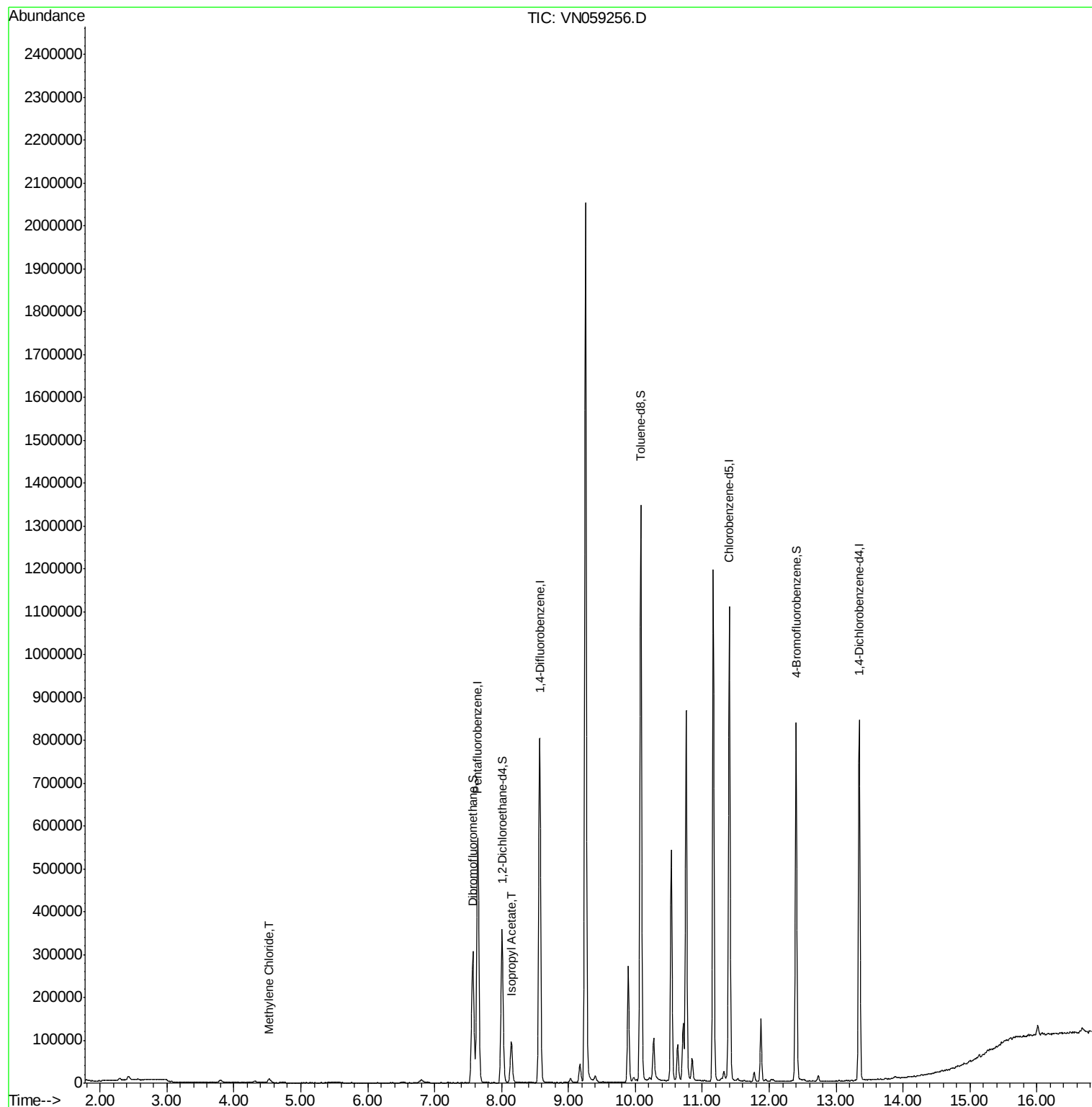
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	475569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	732848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	652503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	233254	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	299683	51.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.52%	
35) Dibromofluoromethane	7.57	113	233441	53.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.70%	
50) Toluene-d8	10.08	98	948188	55.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.02%	
62) 4-Bromofluorobenzene	12.40	95	299408	48.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.36%	
Target Compounds						
20) Methylene Chloride	4.52	84	7686	1.451	ug/l	93
43) Isopropyl Acetate	8.15	43	113487	9.341	ug/l #	92

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

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QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059256.D

Acq: 15 Nov 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

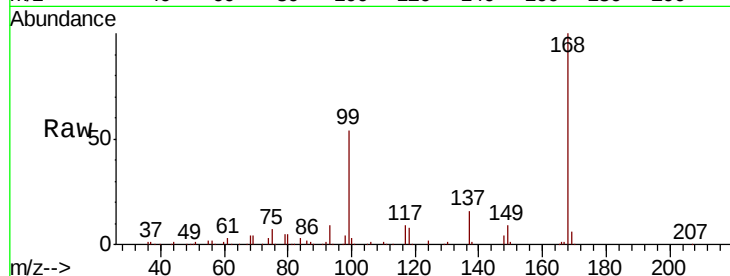
PB124816TB

Tot Ion:168 Resp: 475569

Ion Ratio Lower Upper

168 100

99 53.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

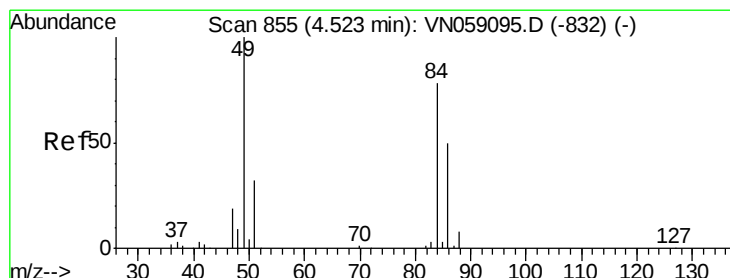
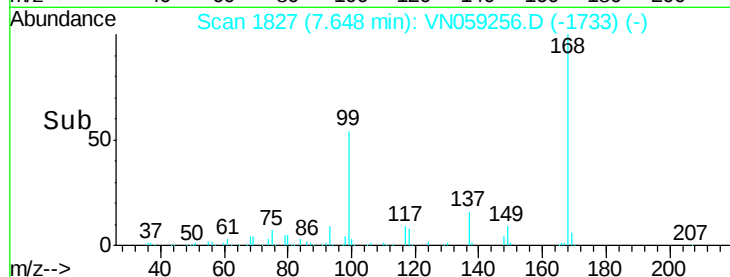
100000

50000

0

7.60 7.70

Time-->



#20

Methylene Chloride

Concen: 1.451 ug/l

RT: 4.52 min Scan# 855

Delta R.T. -0.00 min

Lab File: VN059256.D

Acq: 15 Nov 2019 11:40

Tgt Ion: 84 Resp: 7686

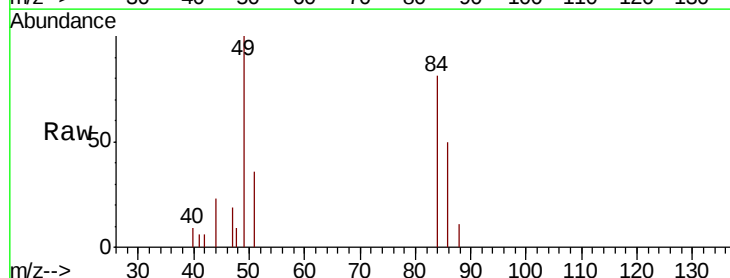
Ion Ratio Lower Upper

84 100

49 115.8 102.0 153.0

51 44.4 32.2 48.2

86 61.4 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

4000

3000

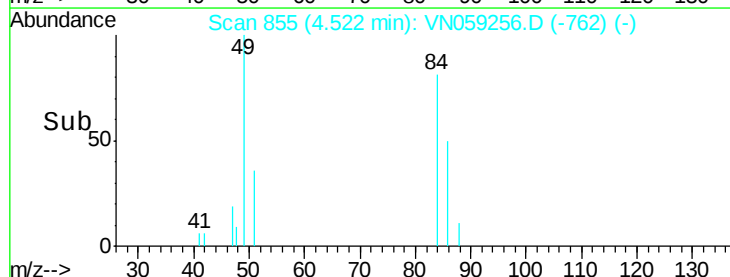
2000

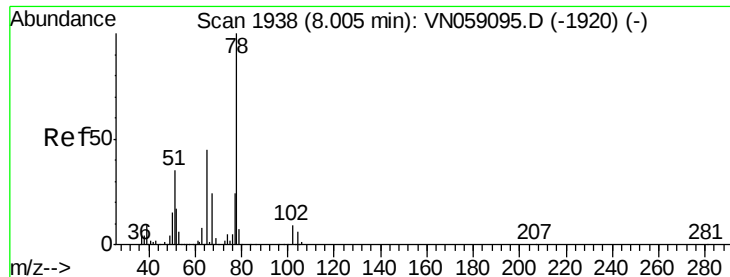
1000

0

4.45 4.50 4.55 4.60

Time-->

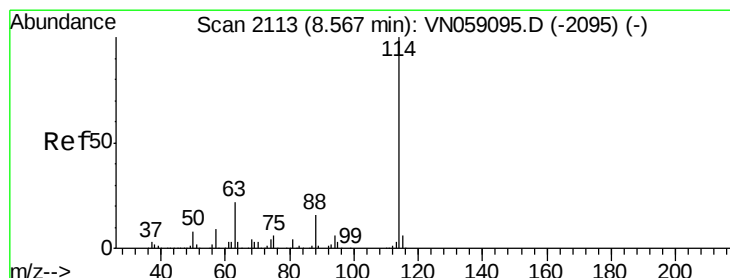
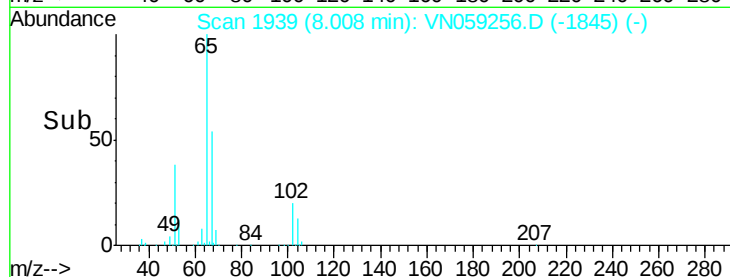
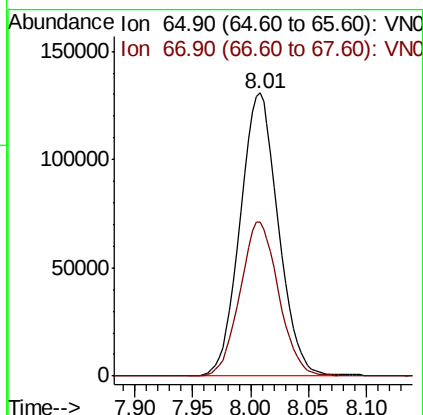
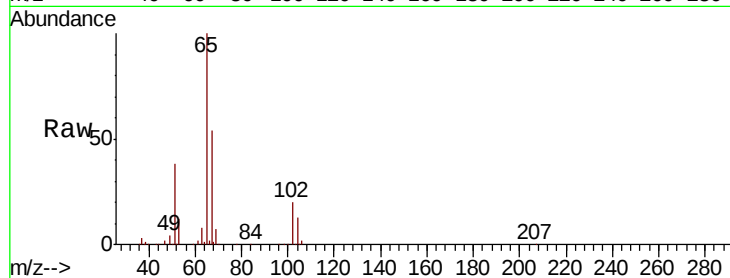




#33
 1,2-Dichloroethane-d4
 Concen: 51.263 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059256.D
 Acq: 15 Nov 2019 11:40

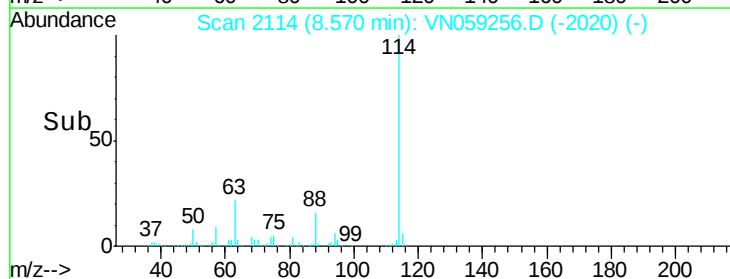
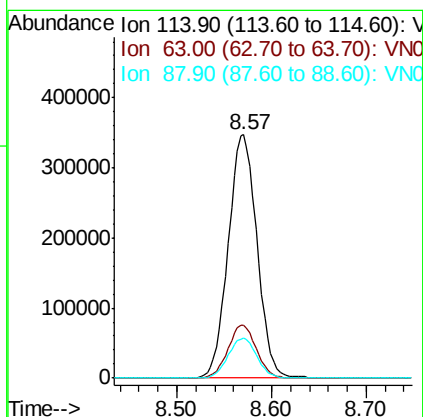
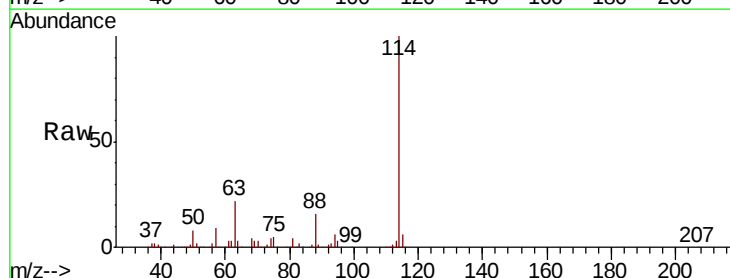
Instrument :
 MSVOA_N
 ClientSampleId :
 PB124816TB

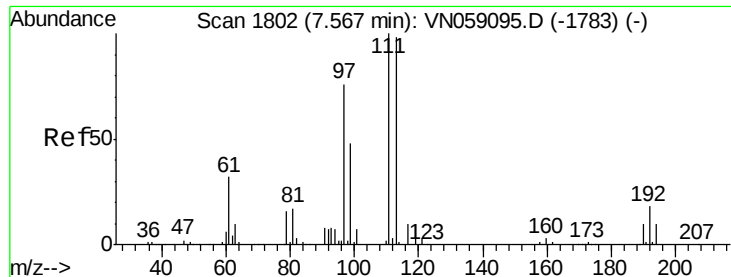
Tot Ion: 65 Resp: 299683
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059256.D
 Acq: 15 Nov 2019 11:40

Tgt Ion: 114 Resp: 732848
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.4
 88 16.3 0.0 32.2

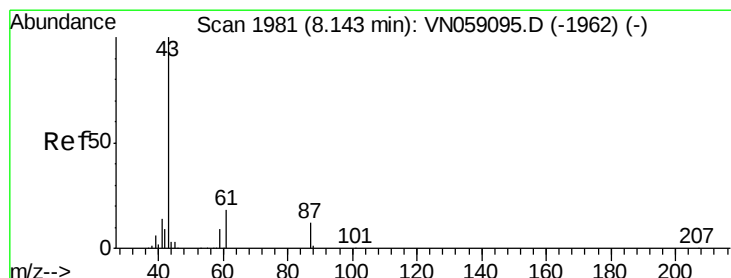
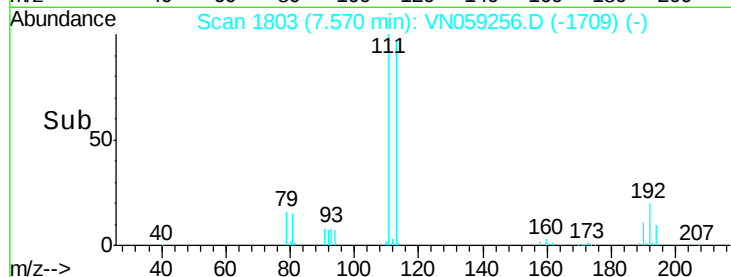
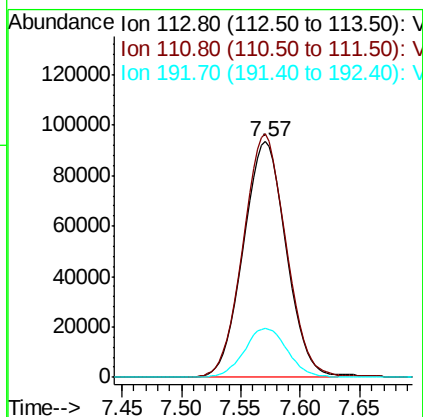
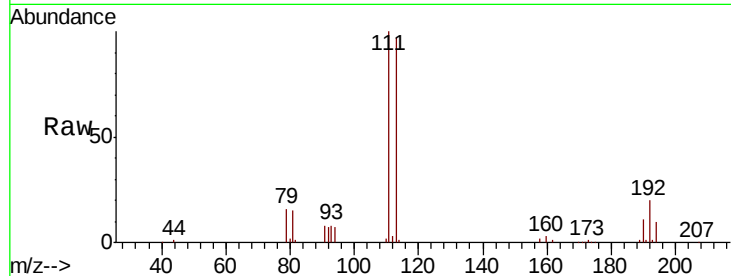




#35
 Dibromofluoromethane
 Concen: 53.348 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059256.D
 Acq: 15 Nov 2019 11:40

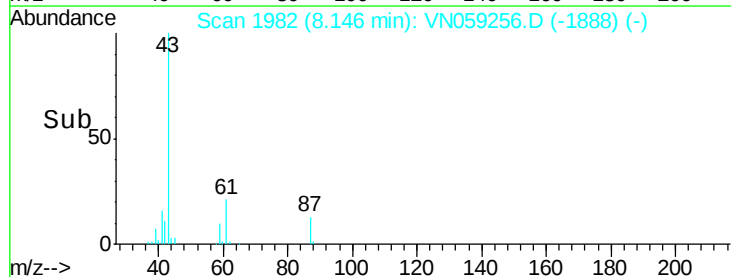
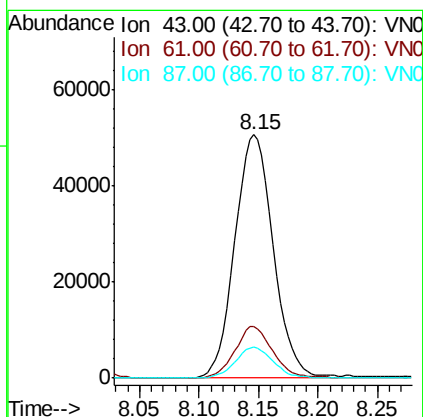
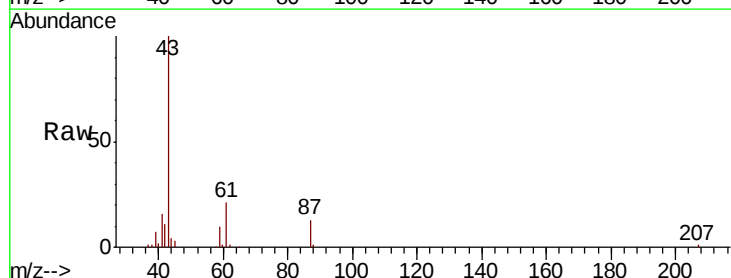
Instrument :
 MSVOA_N
 ClientSampleId :
 PB124816TB

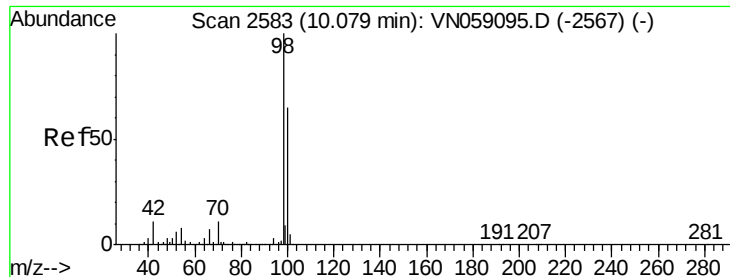
Tot Ion:113 Resp: 233441
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.8 124.2
 192 20.9 16.1 24.1



#43
 Isopropyl Acetate
 Concen: 9.341 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059256.D
 Acq: 15 Nov 2019 11:40

Tgt Ion: 43 Resp: 113487
 Ion Ratio Lower Upper
 43 100
 61 20.5 21.0 31.6#
 87 12.5 9.8 14.6





#50

Toluene-d8

Concen: 55.012 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059256.D

Acq: 15 Nov 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

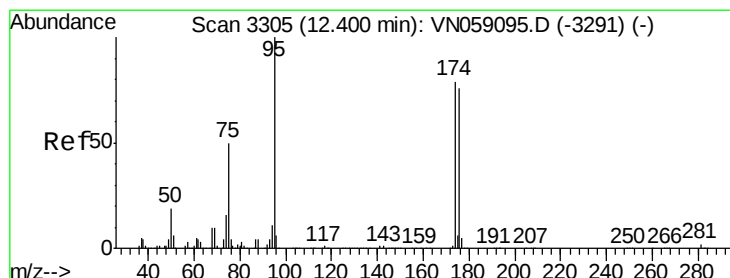
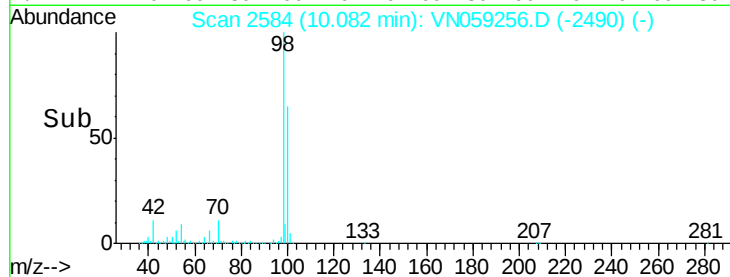
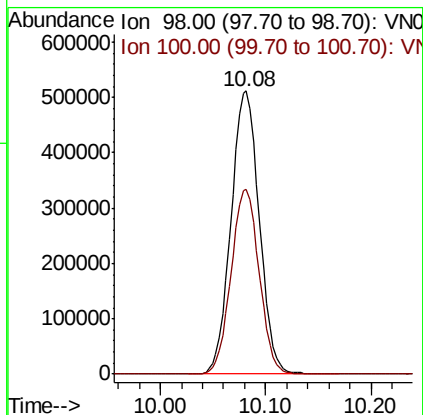
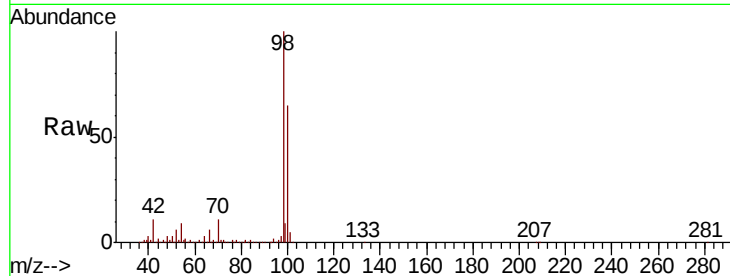
PB124816TB

Tot Ion: 98 Resp: 948188

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.178 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059256.D

Acq: 15 Nov 2019 11:40

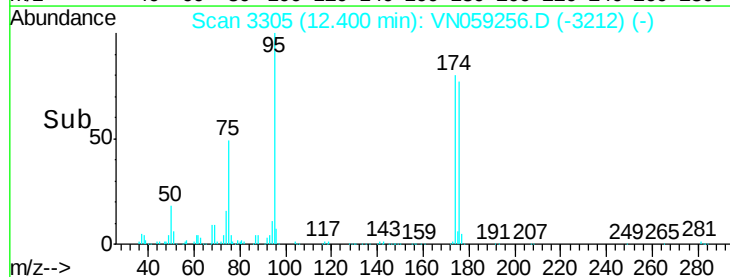
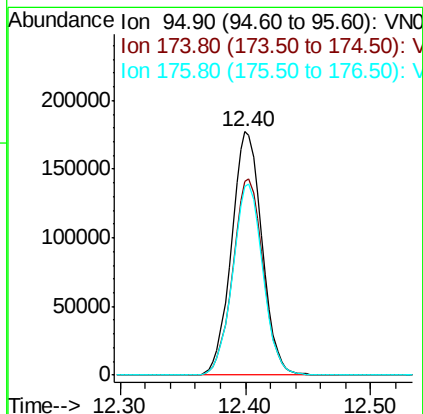
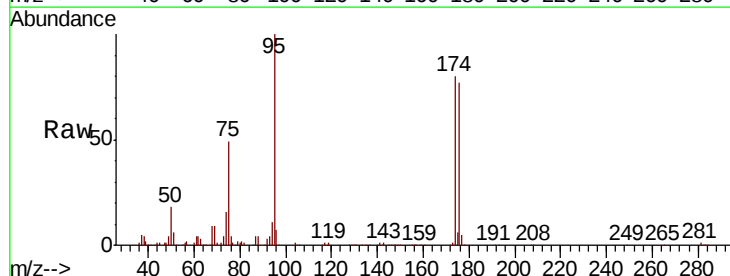
Tgt Ion: 95 Resp: 299408

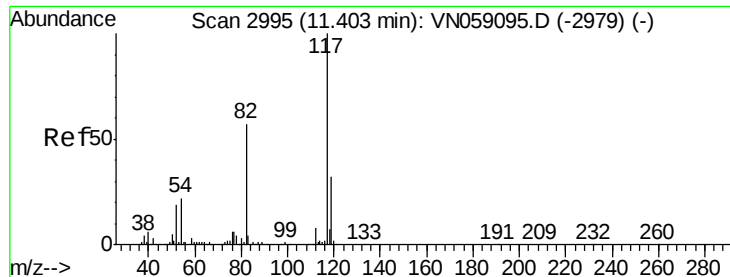
Ion Ratio Lower Upper

95 100

174 80.4 0.0 158.2

176 77.7 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059256.D

Acq: 15 Nov 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

PB124816TB

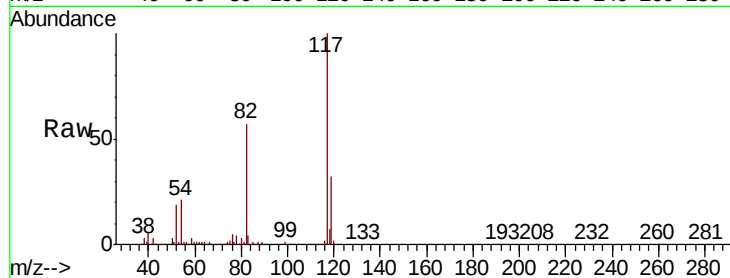
Tot Ion:117 Resp: 652503

Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.8

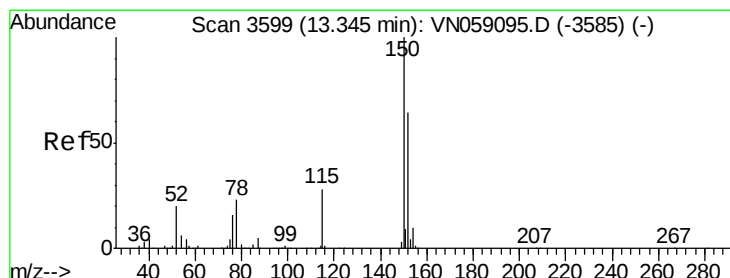
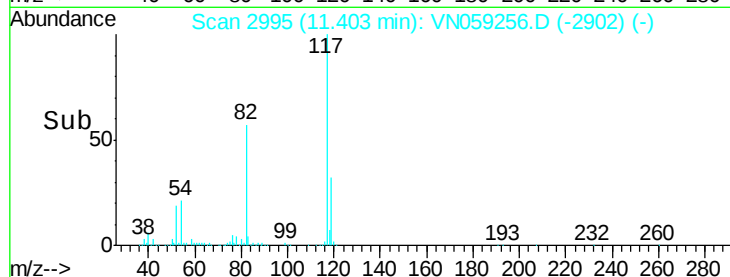
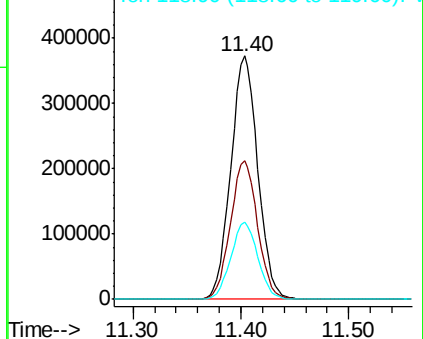
119 31.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059256.D

Acq: 15 Nov 2019 11:40

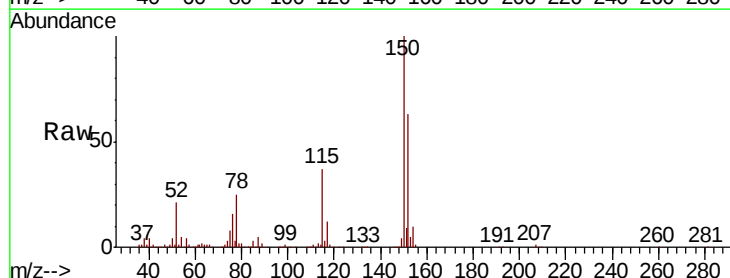
Tgt Ion:152 Resp: 233254

Ion Ratio Lower Upper

152 100

115 59.3 29.4 88.2

150 157.4 0.0 345.8



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

