

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021120\
 Data File : VN060061.D
 Acq On : 11 Feb 2020 13:34
 Operator : JC/MD
 Sample : PB126730ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126730ZHE#01

Quant Time: Feb 12 04:49:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

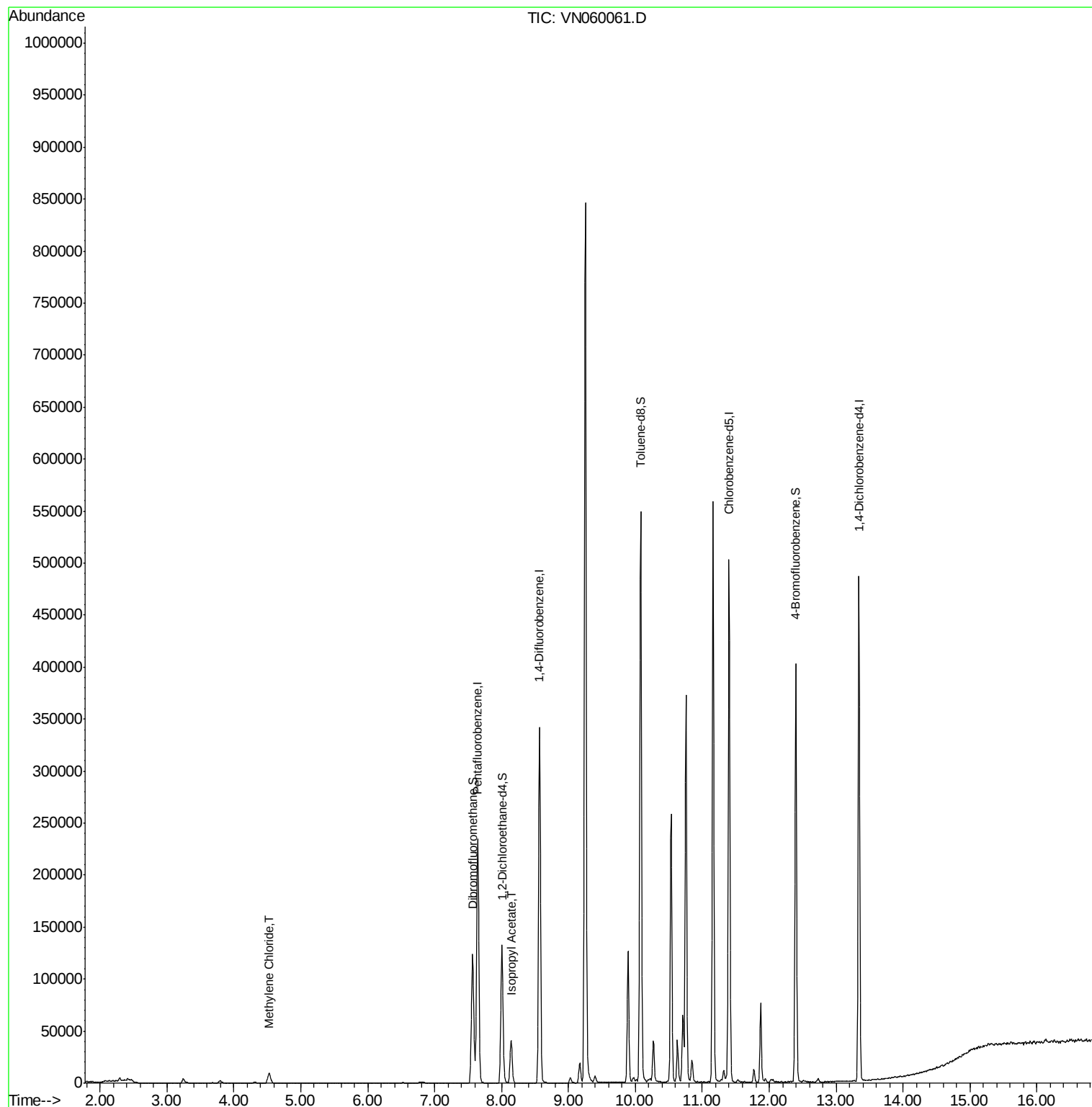
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	313655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130964	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	115098	52.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.18%	
35) Dibromofluoromethane	7.57	113	94861	50.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.44%	
50) Toluene-d8	10.08	98	376392	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	12.40	95	135989	52.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.10%	
Target Compounds						
20) Methylene Chloride	4.52	84	7529	2.538	ug/l	86
43) Isopropyl Acetate	8.14	43	49374	11.205	ug/l #	91

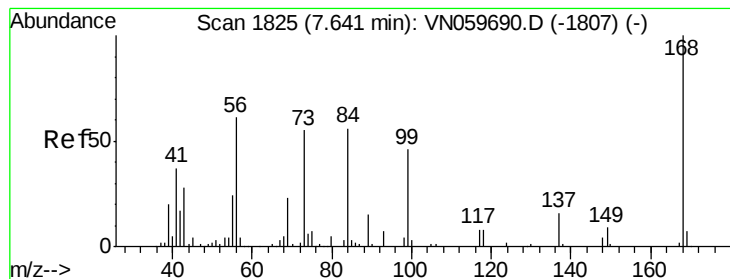
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060061.D

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Instrument :

MSVOA_N

ClientSampleId :

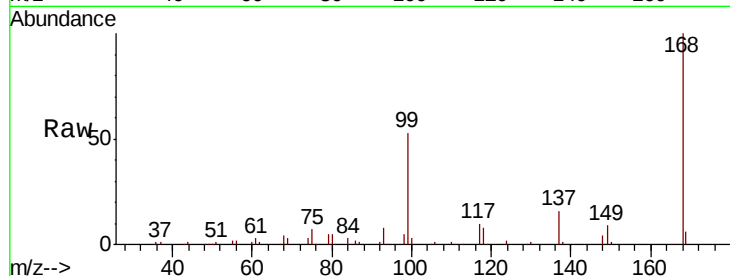
PB126730ZHE#01

Tot Ion:168 Resp: 198980

Ion Ratio Lower Upper

168 100

99 53.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

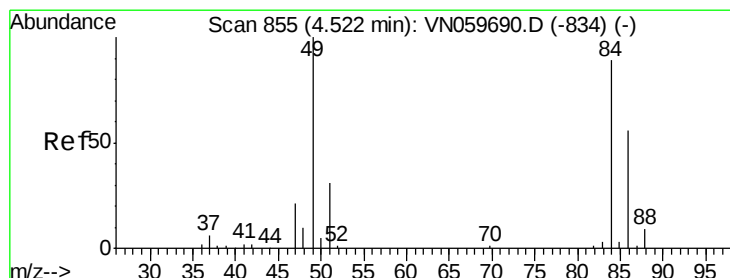
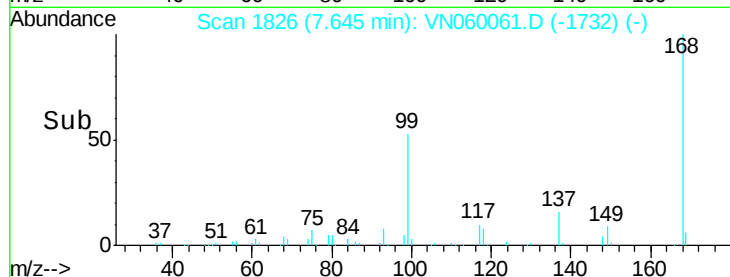
40000

20000

0

7.60 7.70

Time-->



#20

Methylene Chloride

Concen: 2.538 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN060061.D

Acq: 11 Feb 2020 13:34

Tgt Ion: 84 Resp: 7529

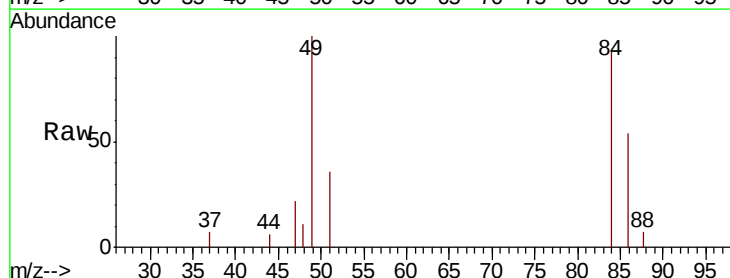
Ion Ratio Lower Upper

84 100

49 107.7 106.6 160.0

51 38.9 31.9 47.9

86 58.2 50.8 76.2



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

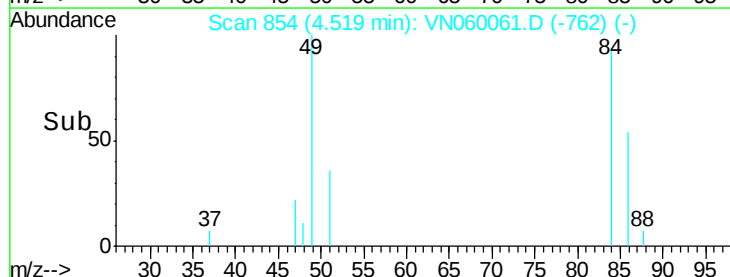
2000

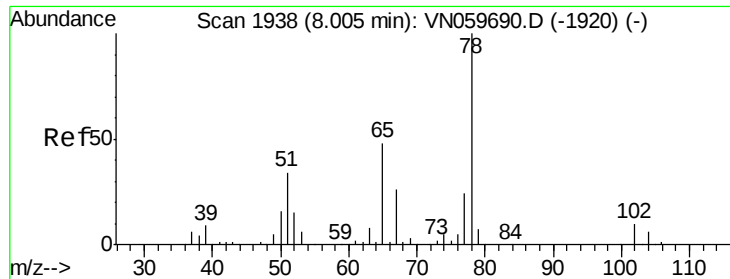
1000

0

4.45 4.50 4.55 4.60

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.087 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060061.D

Acq: 11 Feb 2020 13:34

Instrument :

MSVOA_N

ClientSampleId :

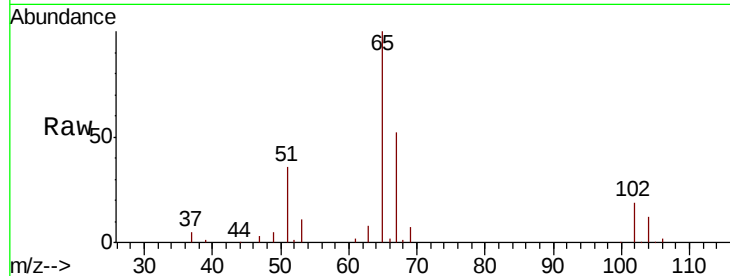
PB126730ZHE#01

Tot Ion: 65 Resp: 115098

Ion Ratio Lower Upper

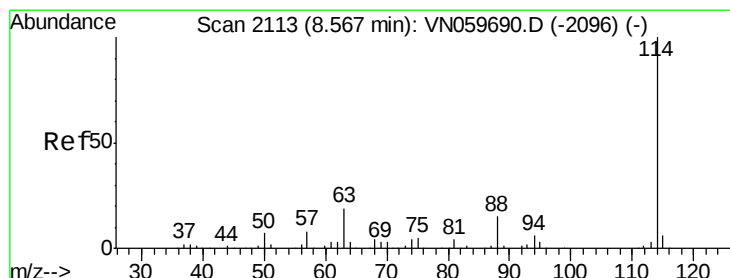
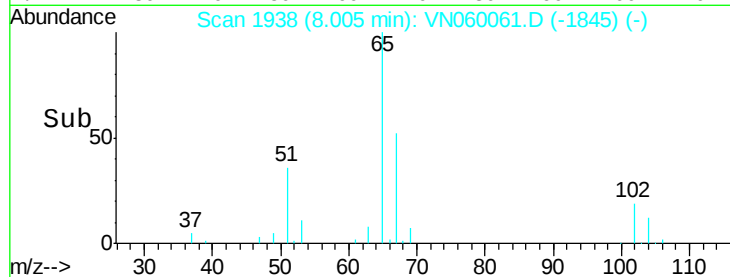
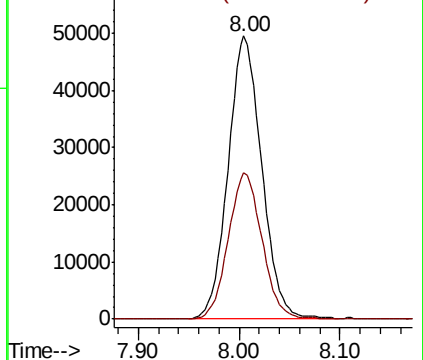
65 100

67 51.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060061.D

Acq: 11 Feb 2020 13:34

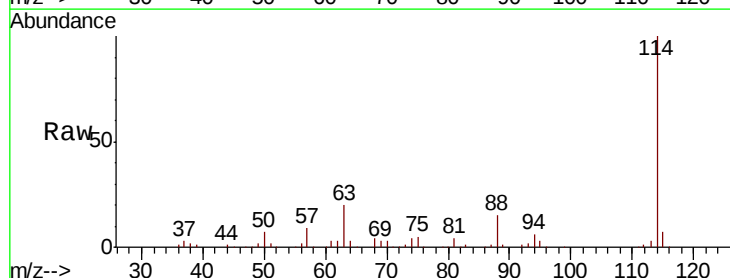
Tgt Ion: 114 Resp: 313655

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.6

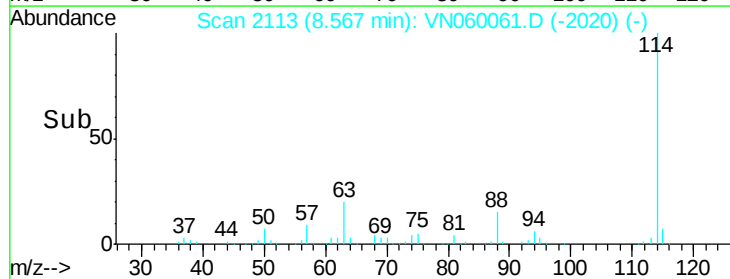
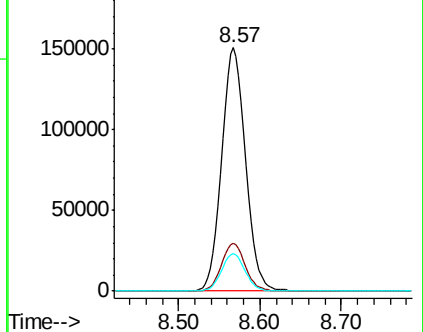
88 15.4 0.0 31.4

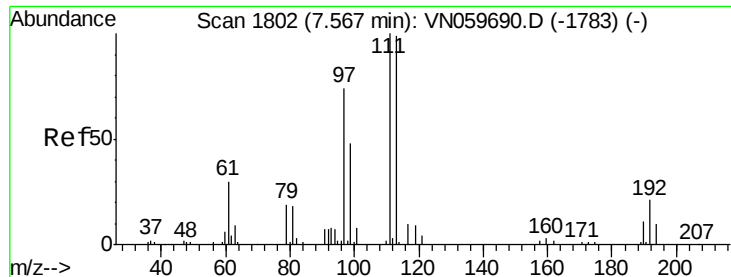


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

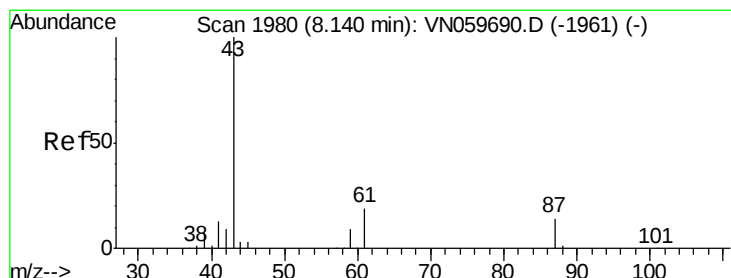
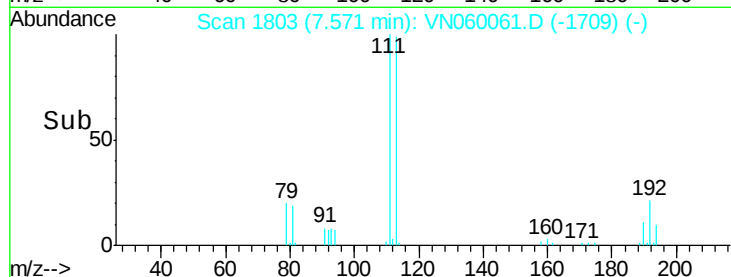
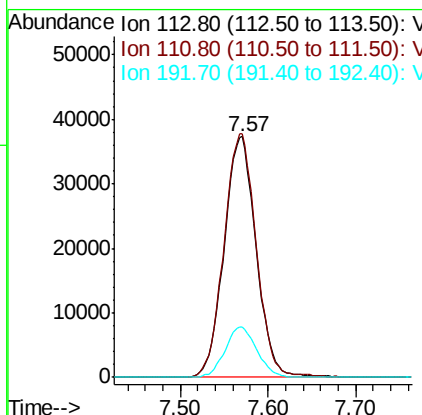
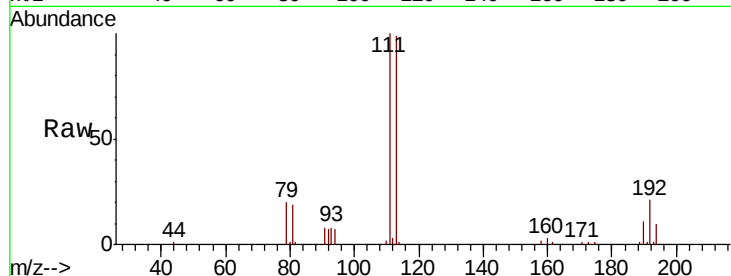




#35
 Dibromofluoromethane
 Concen: 50.715 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN060061.D
 Acq: 11 Feb 2020 13:34

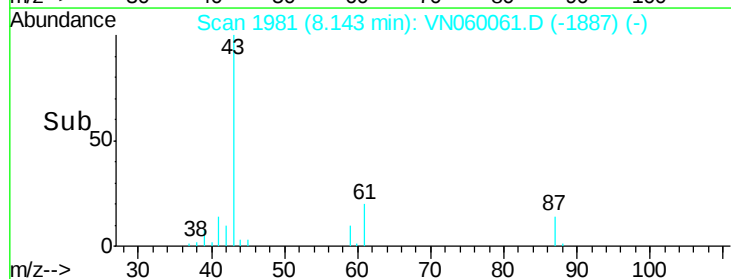
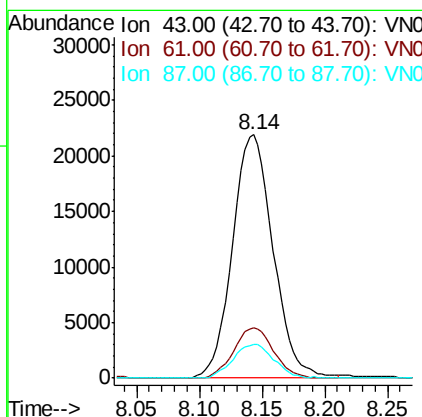
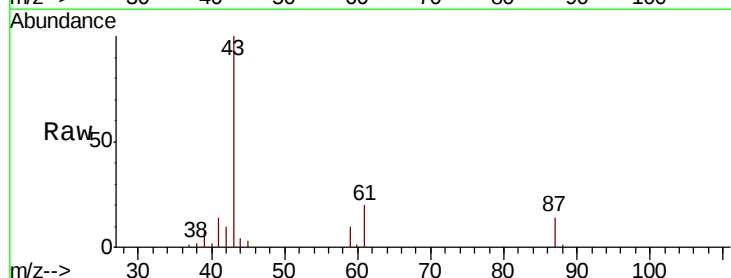
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126730ZHE#01

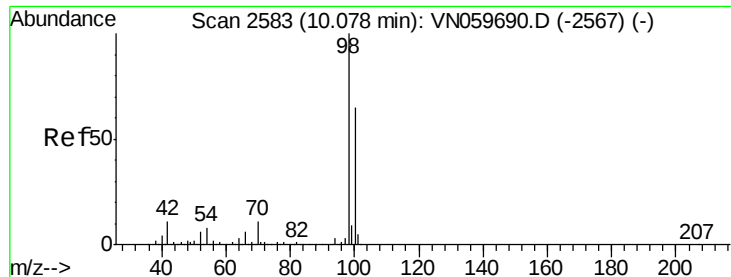
Tot Ion:113 Resp: 94861
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.5 125.3
 192 20.6 15.4 23.2



#43
 Isopropyl Acetate
 Concen: 11.205 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VN060061.D
 Acq: 11 Feb 2020 13:34

Tgt Ion: 43 Resp: 49374
 Ion Ratio Lower Upper
 43 100
 61 20.0 20.2 30.2#
 87 13.9 9.5 14.3





#50

Toluene-d8

Concen: 51.937 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060061.D

Acq: 11 Feb 2020 13:34

Instrument :

MSVOA_N

ClientSampleId :

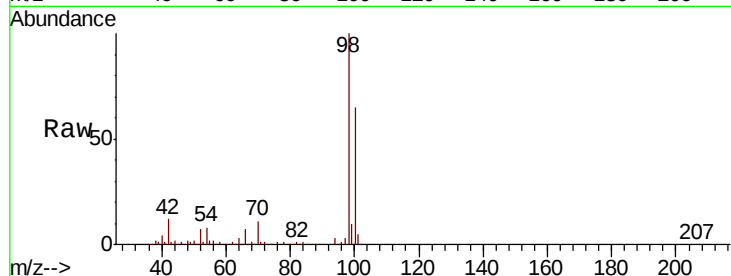
PB126730ZHE#01

Tot Ion: 98 Resp: 376392

Ion Ratio Lower Upper

98 100

100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

200000

150000

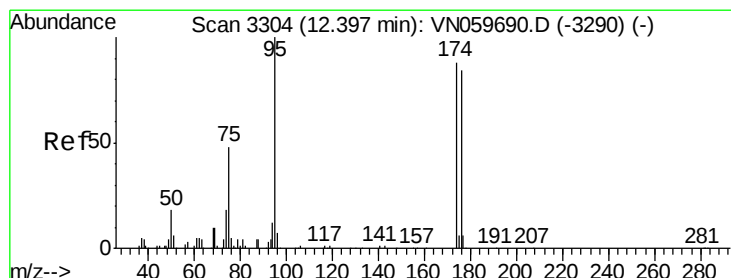
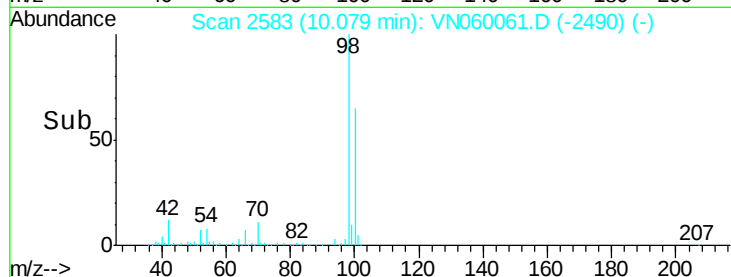
100000

50000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 52.052 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060061.D

Acq: 11 Feb 2020 13:34

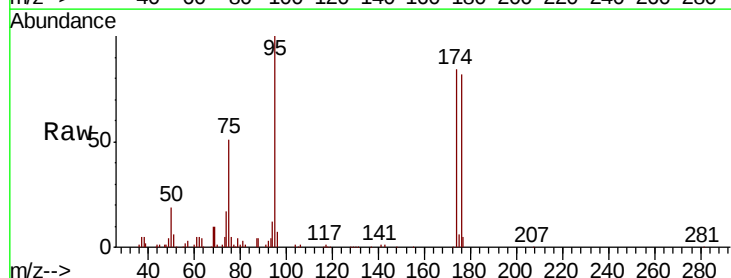
Tgt Ion: 95 Resp: 135989

Ion Ratio Lower Upper

95 100

174 84.9 0.0 151.4

176 82.0 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

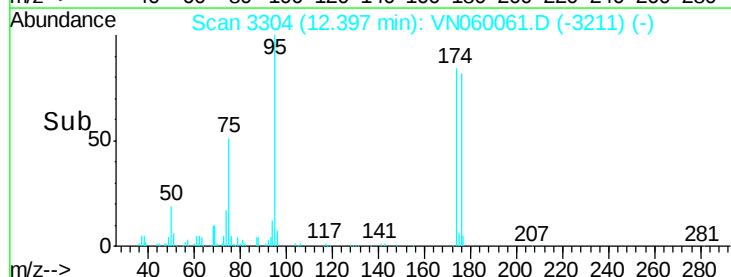
40000

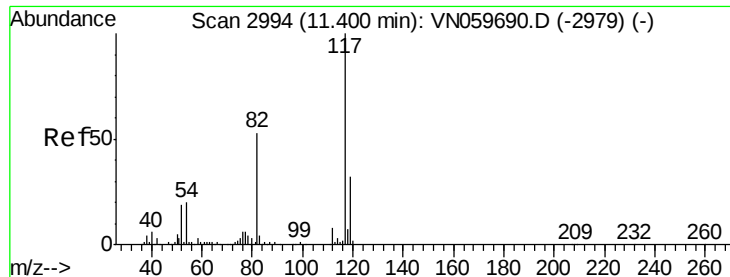
20000

0

Time-->

12.30 12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060061.D

Acq: 11 Feb 2020 13:34

Instrument :

MSVOA_N

ClientSampleId :

PB126730ZHE#01

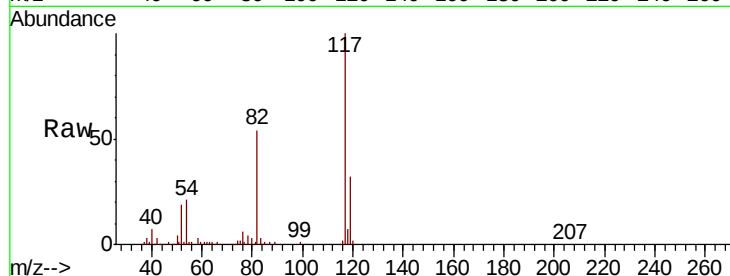
Tot Ion:117 Resp: 293325

Ion Ratio Lower Upper

117 100

82 54.4 45.9 68.9

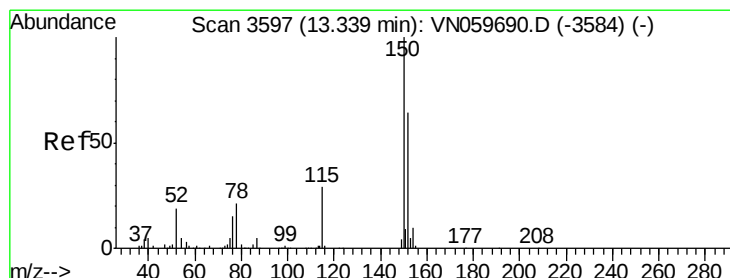
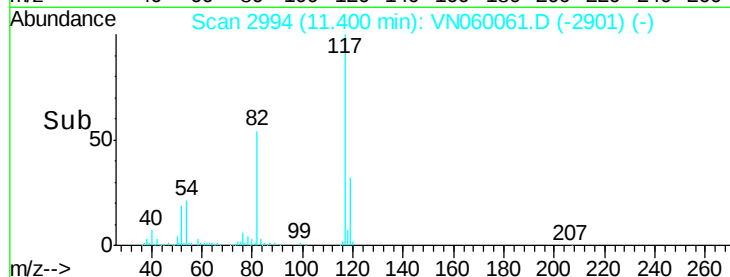
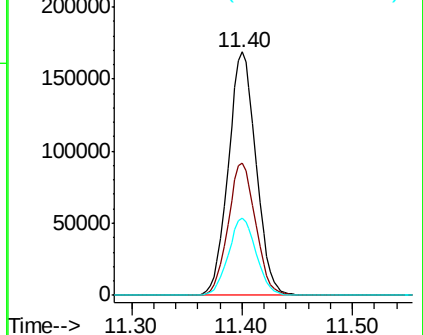
119 31.5 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060061.D

Acq: 11 Feb 2020 13:34

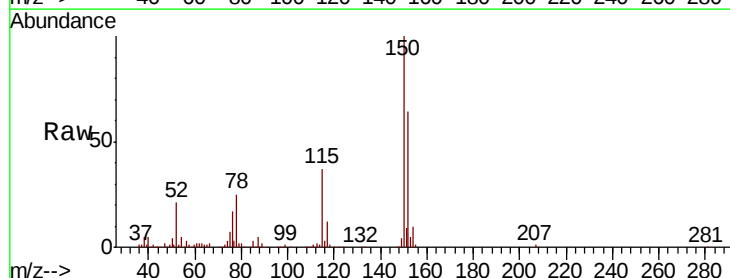
Tgt Ion:152 Resp: 130964

Ion Ratio Lower Upper

152 100

115 57.7 30.3 90.9

150 156.8 0.0 345.2



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

