

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020620\
 Data File : VN060011.D
 Acq On : 6 Feb 2020 12:38
 Operator : JC/MD
 Sample : L1365-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-020520

Quant Time: Feb 06 18:07:21 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

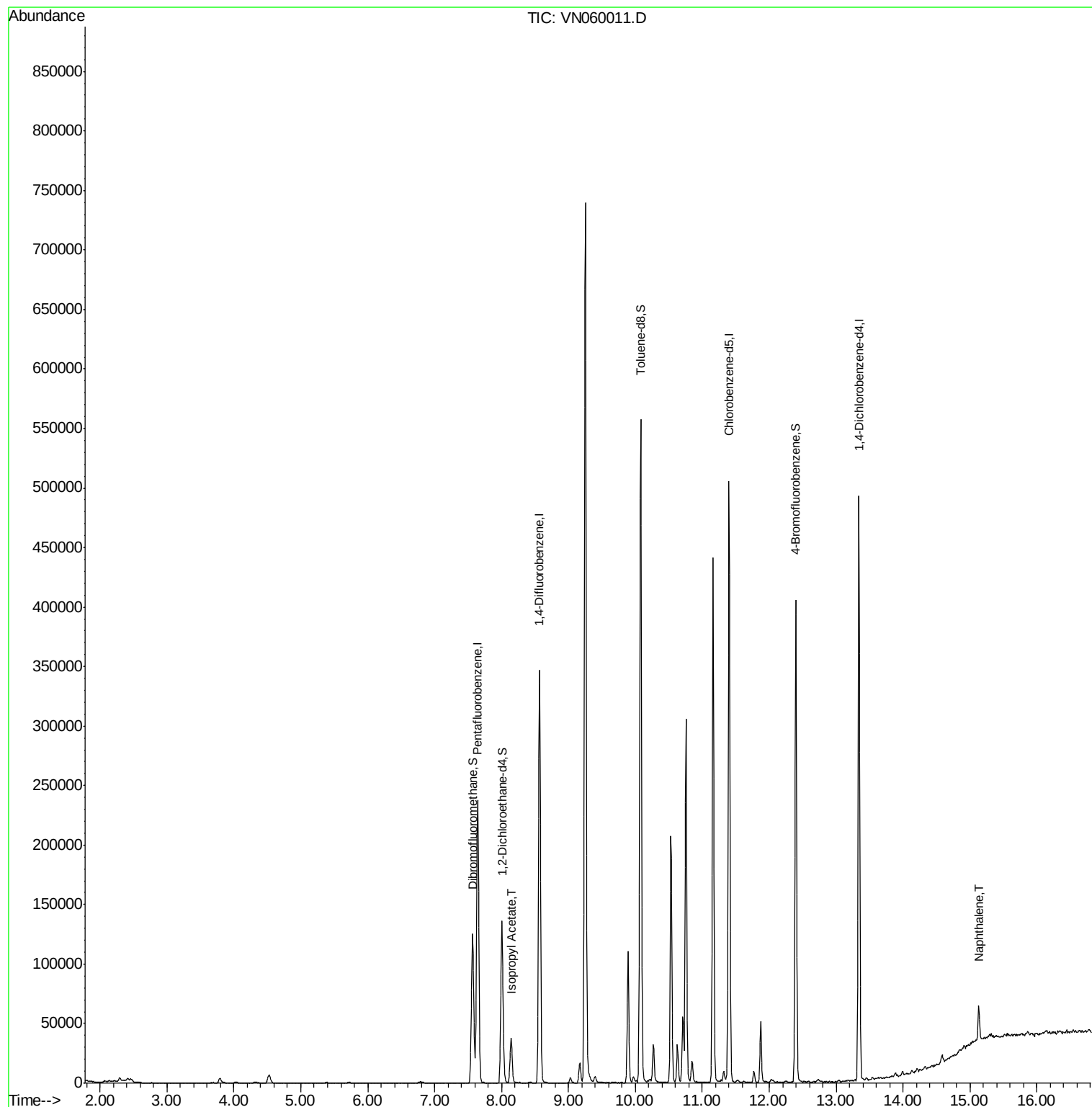
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317144	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131618	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	116060	52.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.02%	
35) Dibromofluoromethane	7.57	113	95268	50.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.74%	
50) Toluene-d8	10.08	98	379389	51.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.40	95	136226	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
Target Compounds						
43) Isopropyl Acetate	8.14	43	45115	10.126	ug/l #	91
95) Naphthalene	15.13	128	25115	3.501	ug/l	100

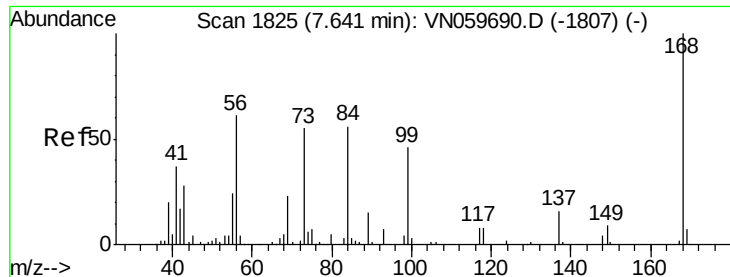
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060011.D

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Instrument :

MSVOA_N

ClientSampleId :

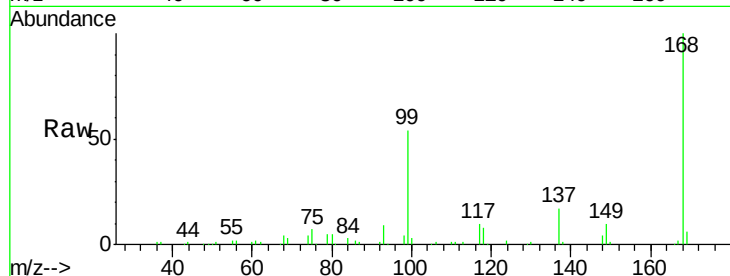
CL-01-020520

Tot Ion:168 Resp: 200950

Ion Ratio Lower Upper

168 100

99 53.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

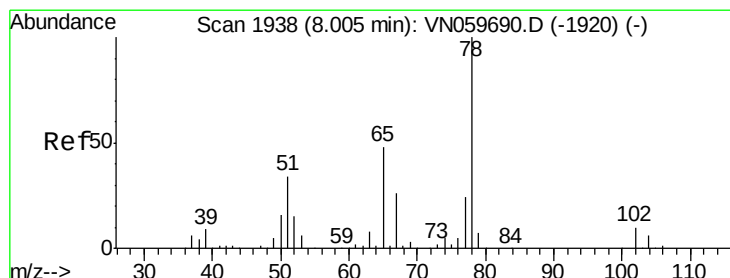
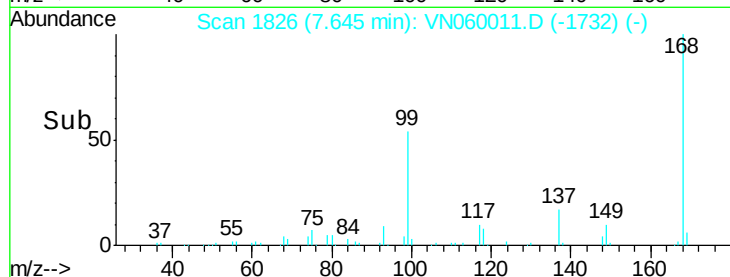
40000

20000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.008 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060011.D

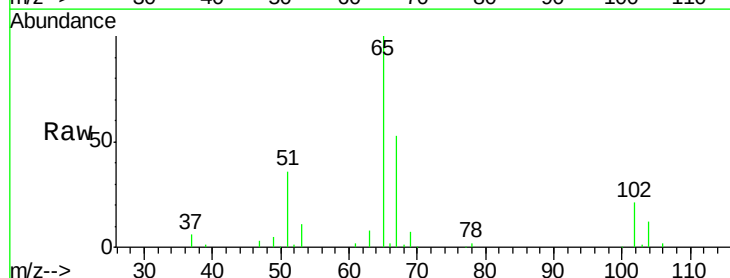
Acq: 6 Feb 2020 12:38

Tgt Ion: 65 Resp: 116060

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.00

50000

40000

30000

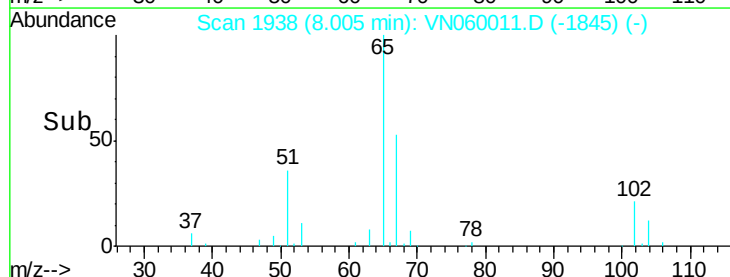
20000

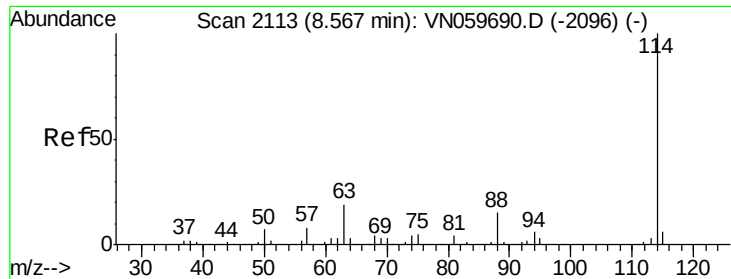
10000

0

7.90 8.00 8.10

Time-->

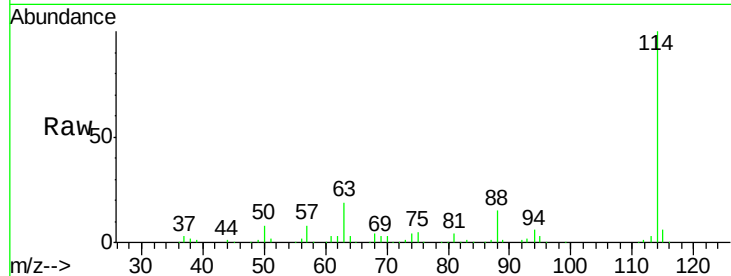




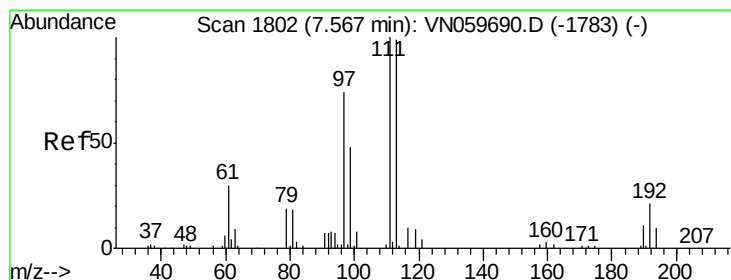
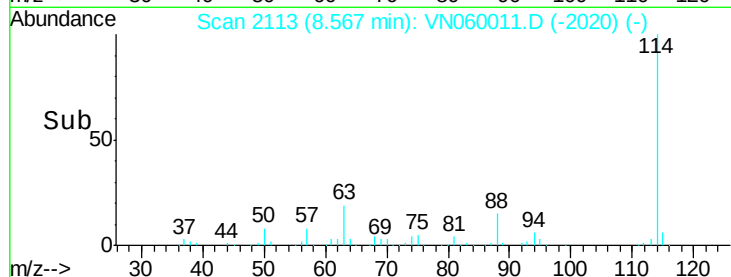
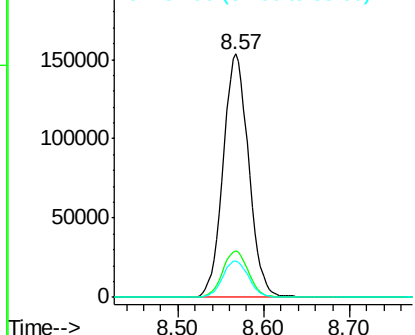
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060011.D
 Acq: 6 Feb 2020 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-020520

Tot Ion:114 Resp: 317144
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 43.6
 88 14.8 0.0 31.4

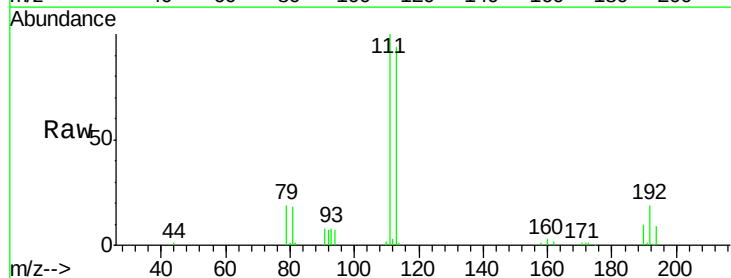


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

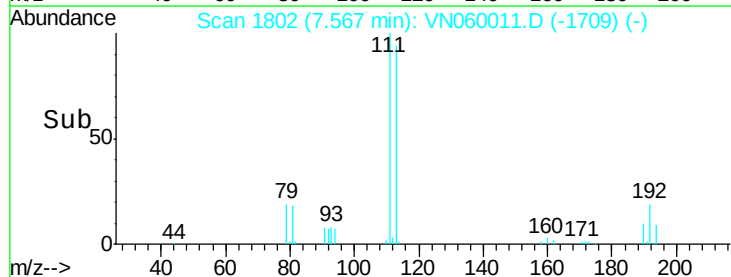
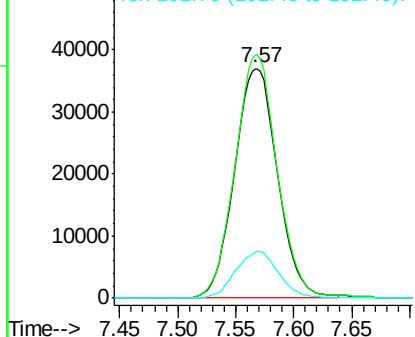


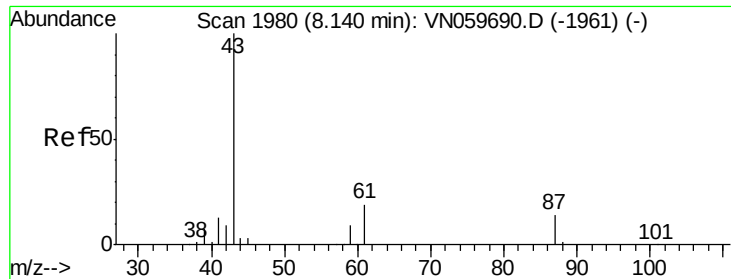
#35
 Dibromofluoromethane
 Concen: 50.373 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060011.D
 Acq: 6 Feb 2020 12:38

Tgt Ion:113 Resp: 95268
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.5 125.3
 192 20.2 15.4 23.2



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: 10.126 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060011.D

Acq: 6 Feb 2020 12:38

Instrument :

MSVOA_N

ClientSampled :

CL-01-020520

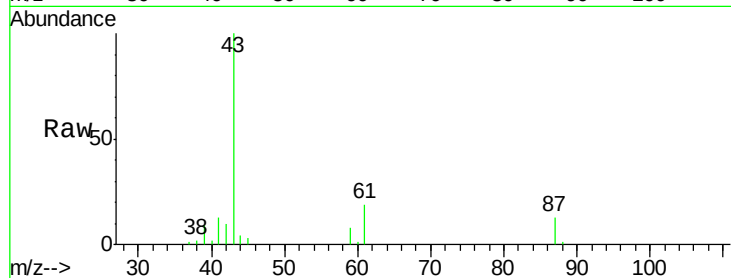
Tot Ion: 43 Resp: 45115

Ion Ratio Lower Upper

43 100

61 19.8 20.2 30.2#

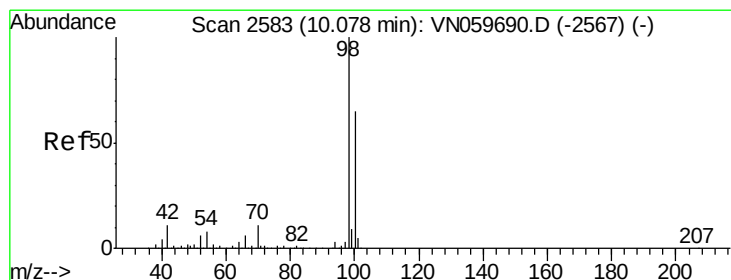
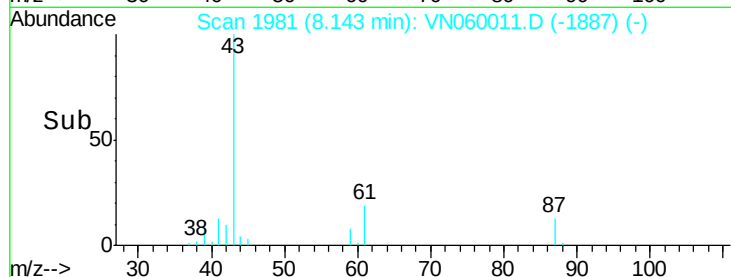
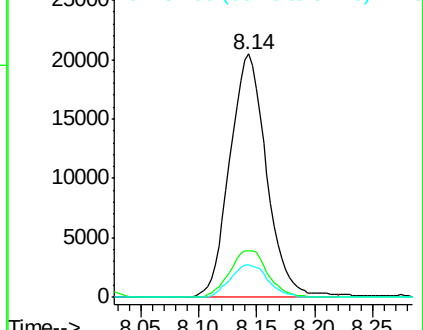
87 13.6 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 51.774 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060011.D

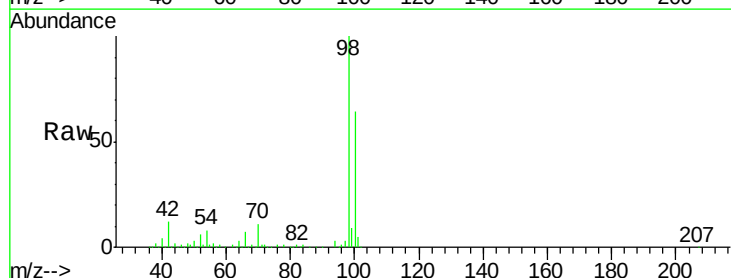
Acq: 6 Feb 2020 12:38

Tgt Ion: 98 Resp: 379389

Ion Ratio Lower Upper

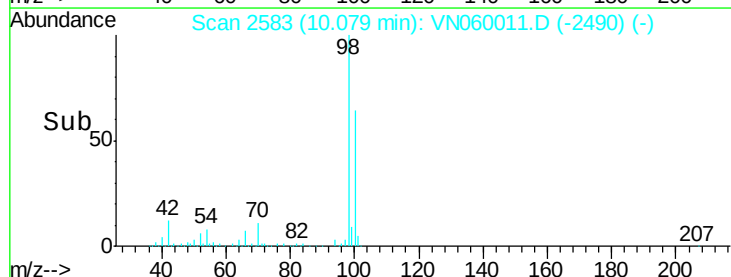
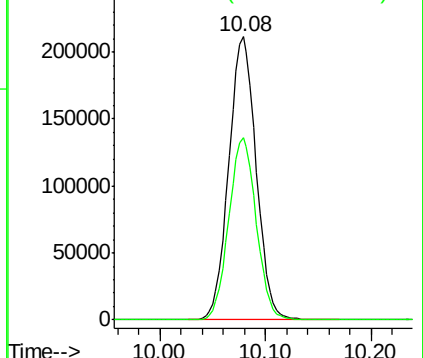
98 100

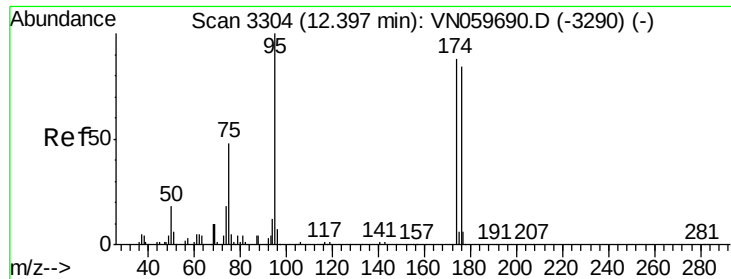
100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

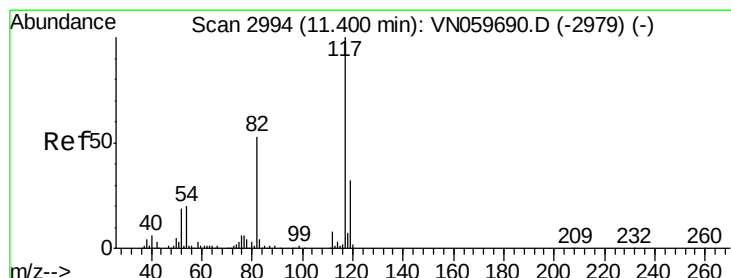
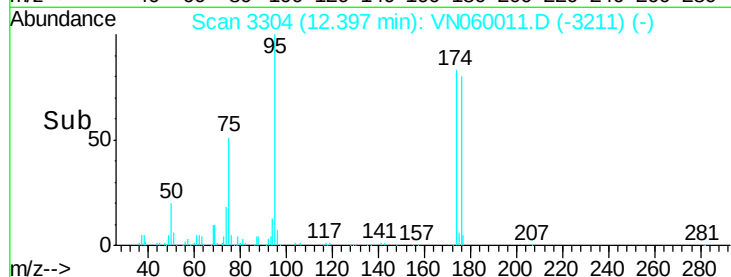
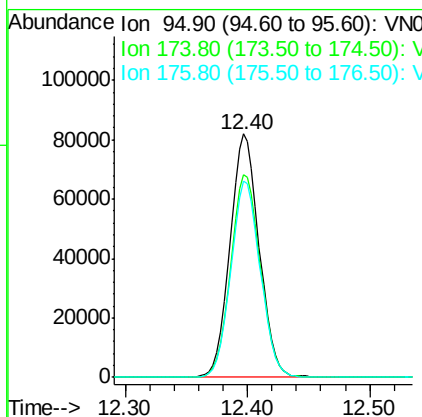
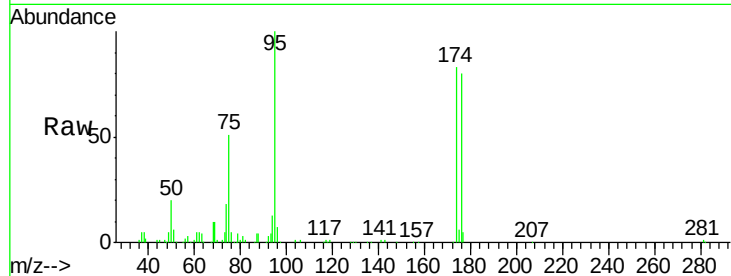




#62
4-Bromofluorobenzene
Concen: 51.569 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060011.D
Acq: 6 Feb 2020 12:38

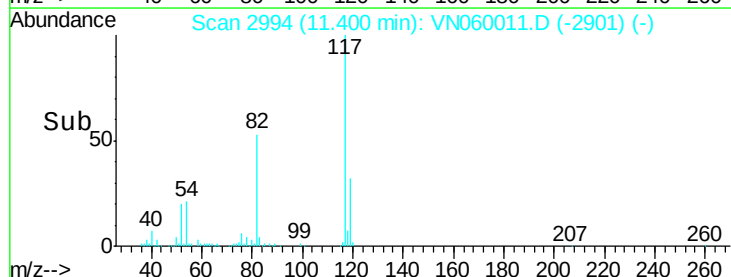
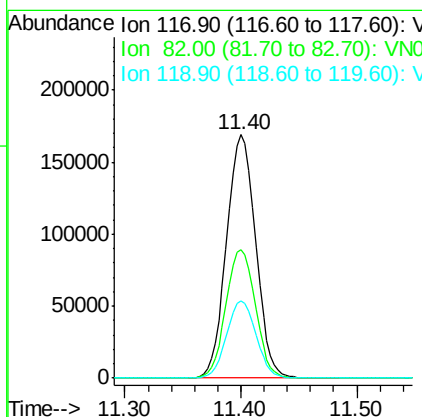
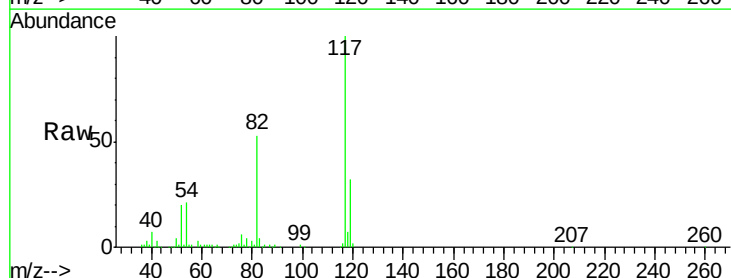
Instrument :
MSVOA_N
ClientSampled :
CL-01-020520

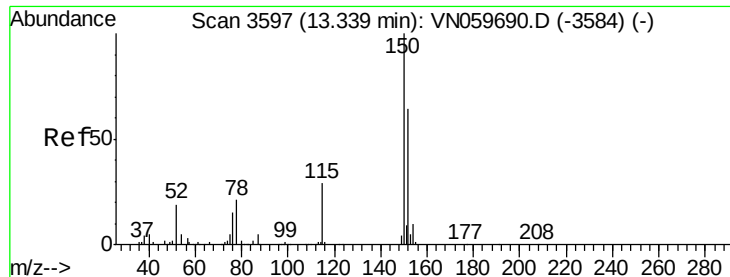
Tot Ion: 95 Resp: 136226
Ion Ratio Lower Upper
95 100
174 84.8 0.0 151.4
176 81.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060011.D
Acq: 6 Feb 2020 12:38

Tgt Ion: 117 Resp: 293674
Ion Ratio Lower Upper
117 100
82 52.9 45.9 68.9
119 31.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060011.D

Acq: 6 Feb 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

CL-01-020520

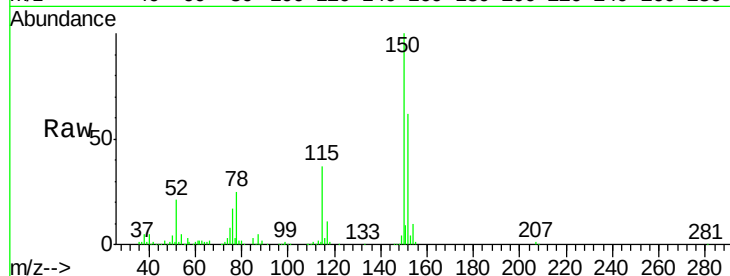
Tot Ion:152 Resp: 131618

Ion Ratio Lower Upper

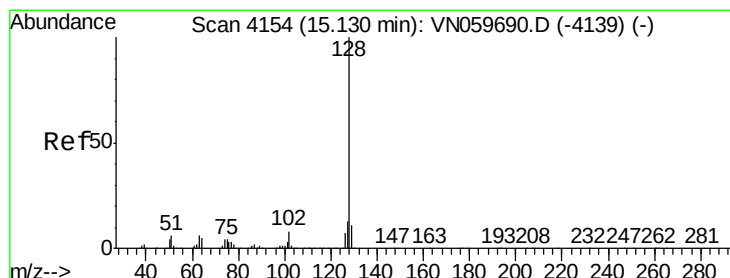
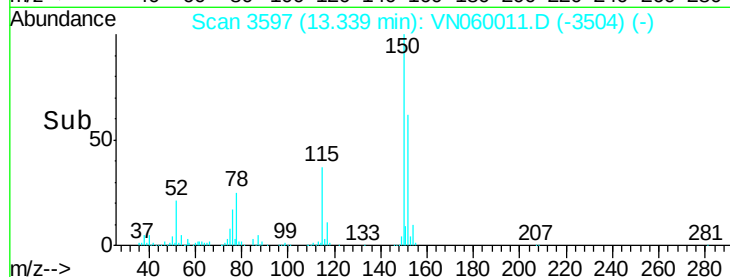
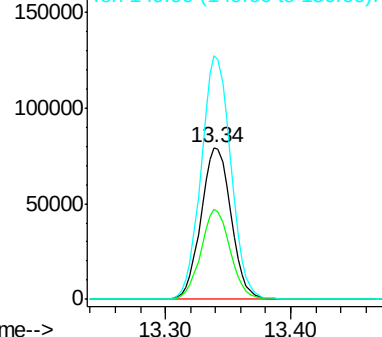
152 100

115 57.9 30.3 90.9

150 159.0 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



#95

Naphthalene

Concen: 3.501 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060011.D

Acq: 6 Feb 2020 12:38

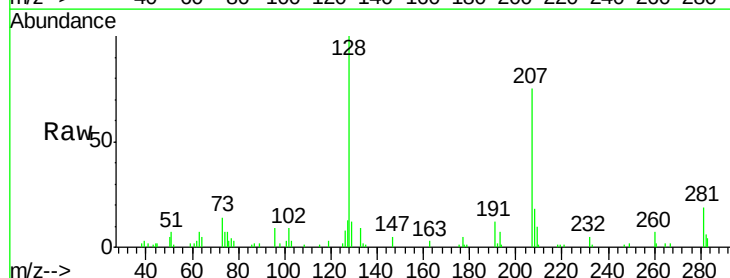
Tgt Ion:128 Resp: 25115

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.7 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

