

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060039.D
 Acq On : 10 Feb 2020 12:31
 Operator : JC/MD
 Sample : L1438-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HAM-WC-S-SB-BC

Quant Time: Feb 11 07:29:49 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

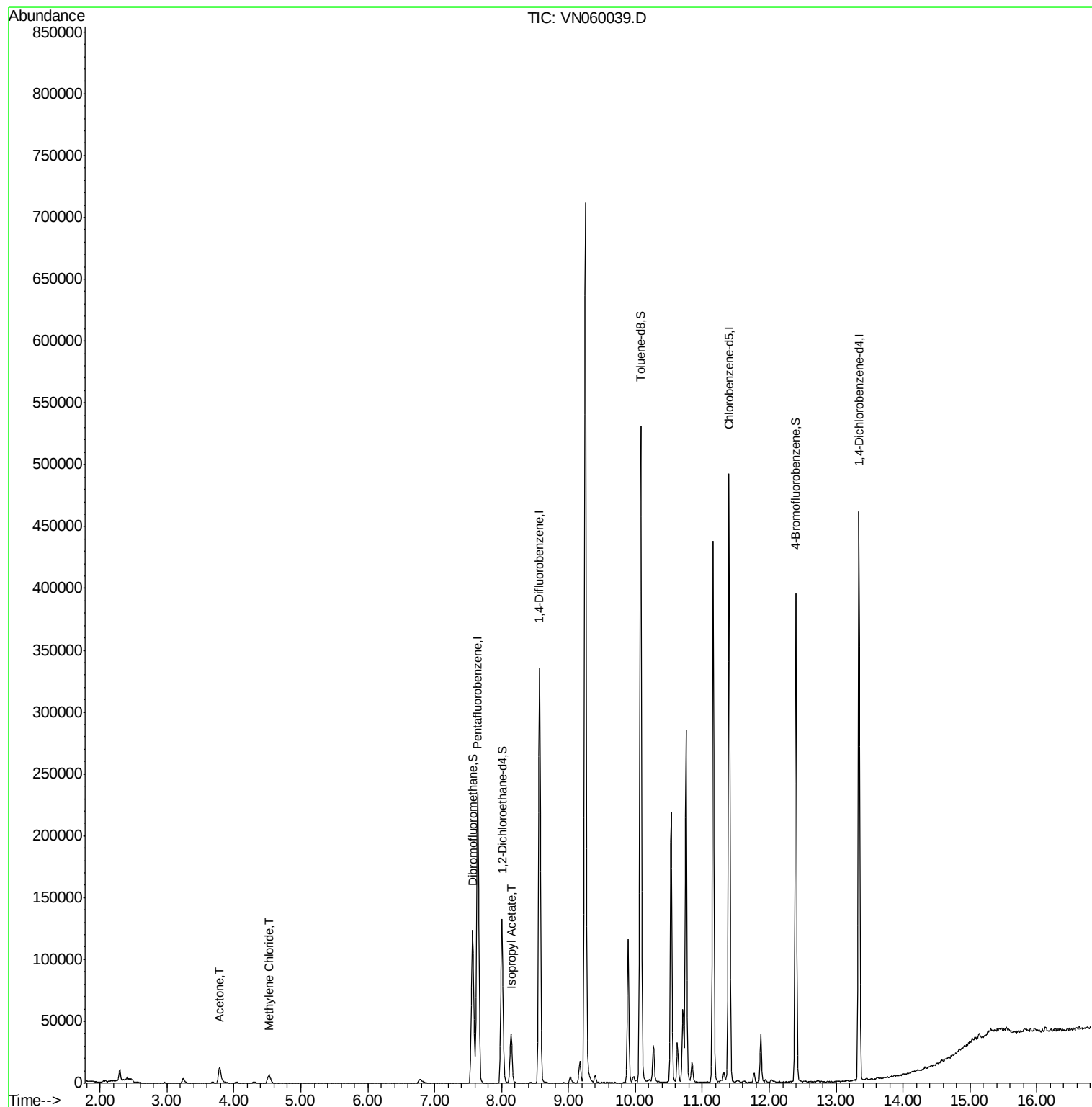
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	197378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	309603	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	285052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124491	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	115327	52.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.22%	
35) Dibromofluoromethane	7.57	113	94856	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.76%	
50) Toluene-d8	10.08	98	370653	51.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	12.40	95	132554	51.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.80%	
Target Compounds						
16) Acetone	3.79	43	23340	22.094	ug/l	97
20) Methylene Chloride	4.53	84	5366	1.449	ug/l	90
43) Isopropyl Acetate	8.14	43	47696	10.966	ug/l #	91

(#) = 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: VN060039.D

Acq: 10 Feb 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

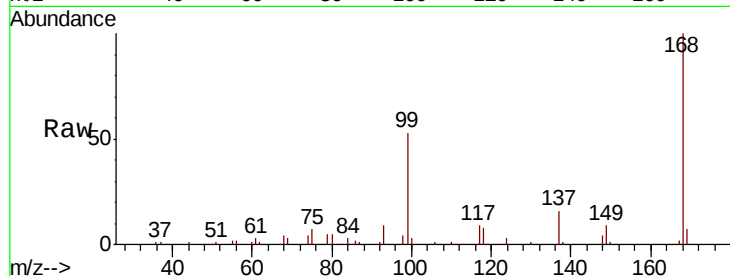
HAM-WC-S-SB-BC

Tot Ion:168 Resp: 197378

Ion Ratio Lower Upper

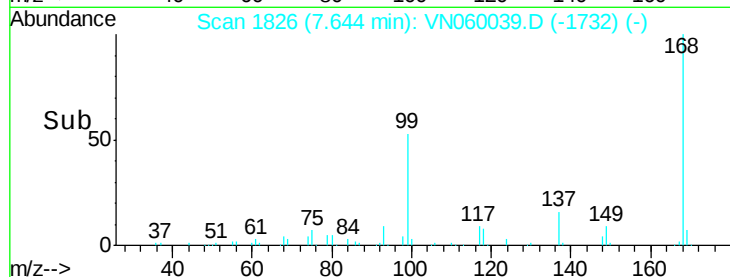
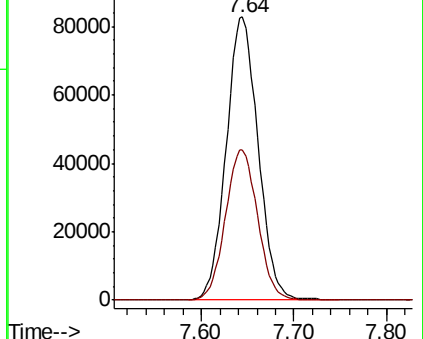
168 100

99 53.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN060039.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN060039.D (-1732) (-)



#16

Acetone

Concen: 22.094 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060039.D

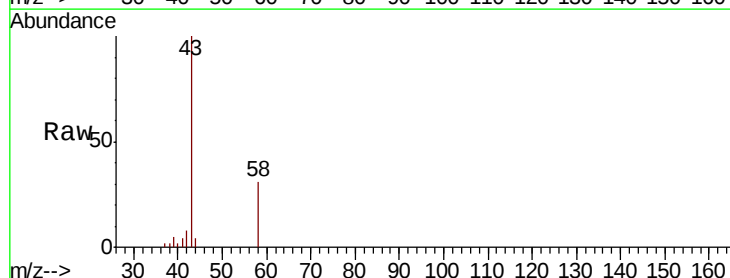
Acq: 10 Feb 2020 12:31

Tgt Ion: 43 Resp: 23340

Ion Ratio Lower Upper

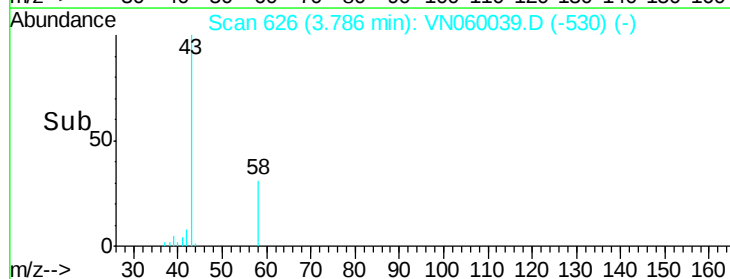
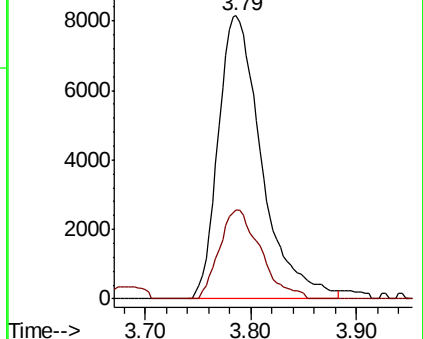
43 100

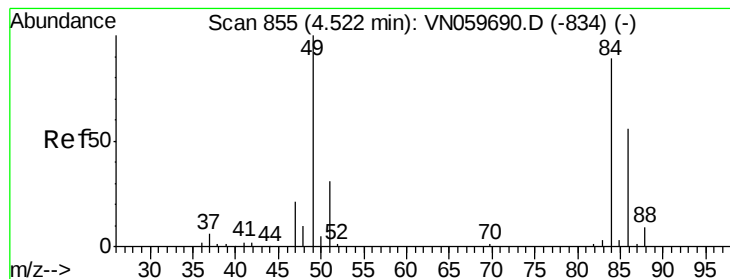
58 31.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN060039.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN060039.D (-530) (-)





#20

Methylene Chloride

Concen: 1.449 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN060039.D

Acq: 10 Feb 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

HAM-WC-S-SB-BC

Tot Ion: 84 Resp: 5366

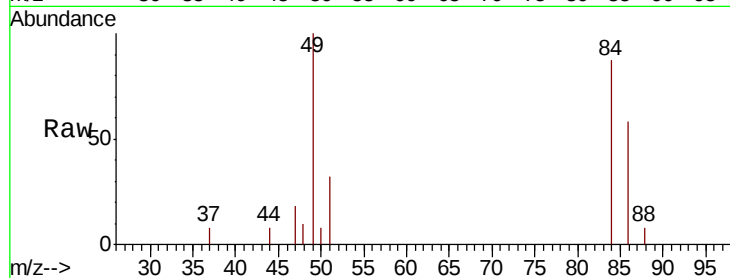
Ion Ratio Lower Upper

84 100

49 115.5 106.6 160.0

51 37.5 31.9 47.9

86 67.1 50.8 76.2

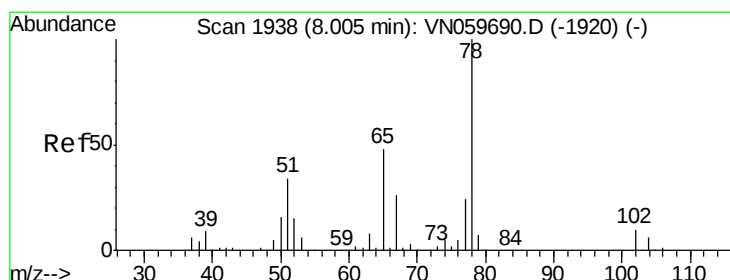
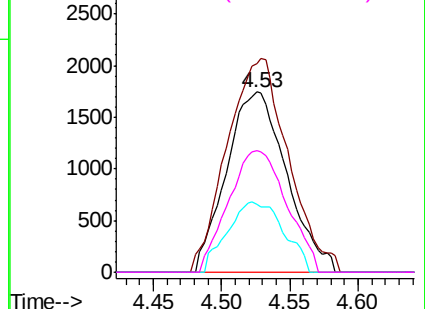
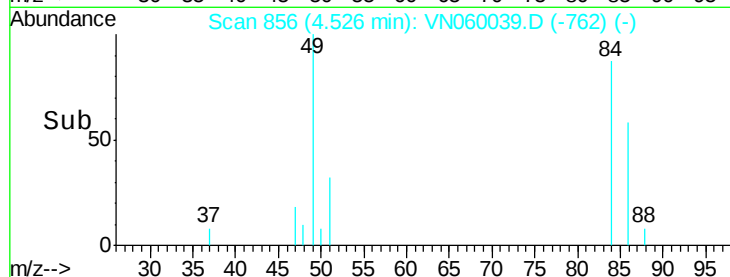


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.614 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060039.D

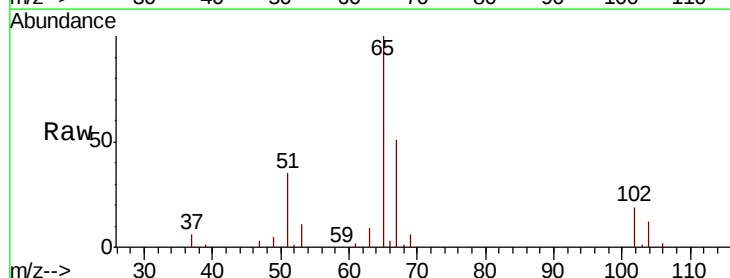
Acq: 10 Feb 2020 12:31

Tgt Ion: 65 Resp: 115327

Ion Ratio Lower Upper

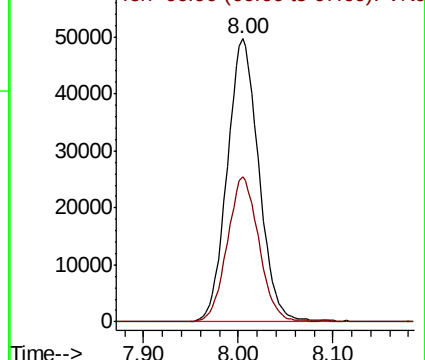
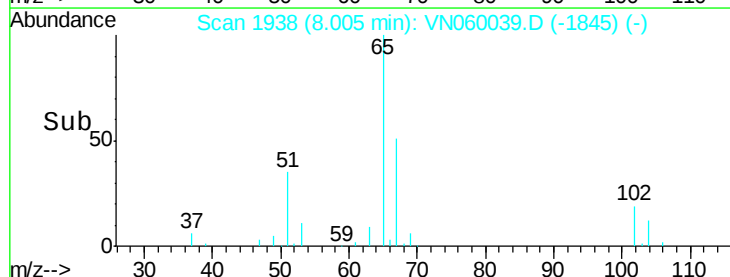
65 100

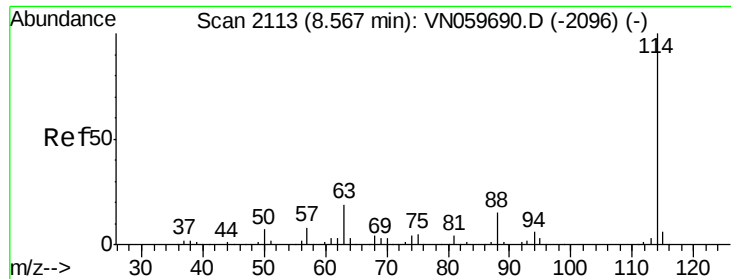
67 51.1 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

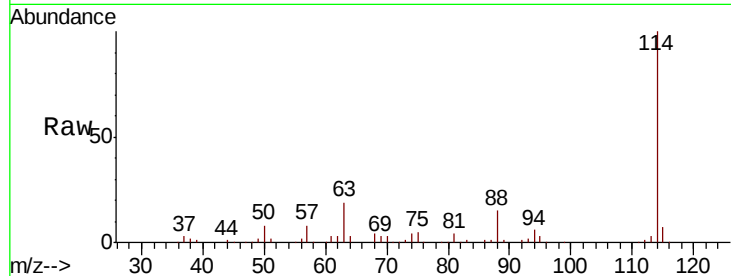




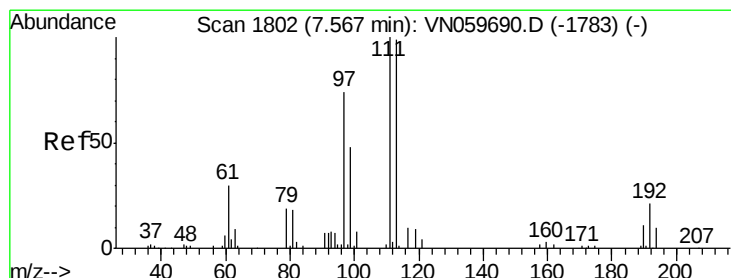
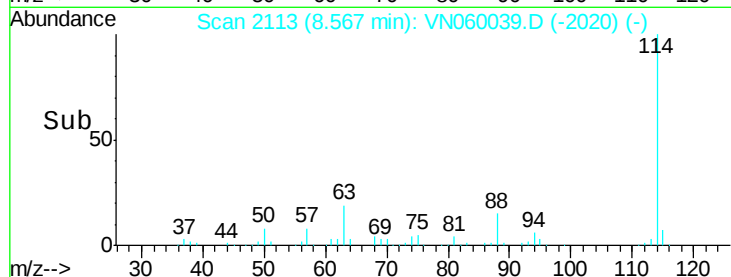
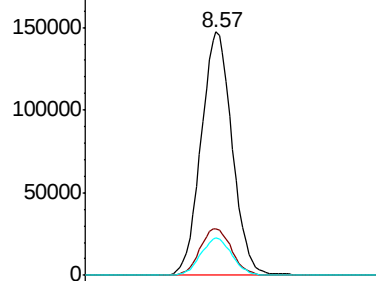
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060039.D
Acq: 10 Feb 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
HAM-WC-S-SB-BC

Tot Ion:114 Resp: 309603
Ion Ratio Lower Upper
114 100
63 19.3 0.0 43.6
88 15.3 0.0 31.4

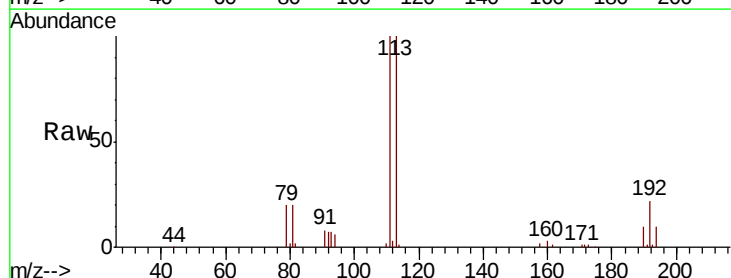


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

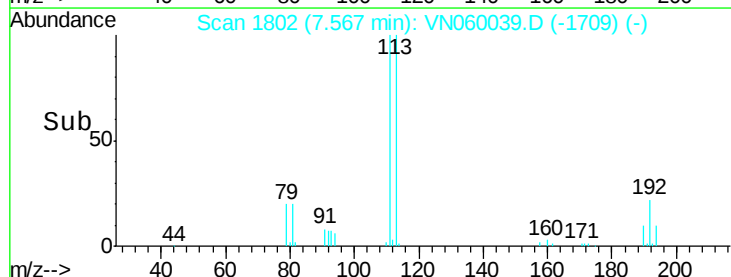
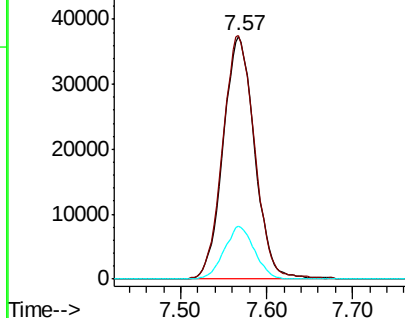


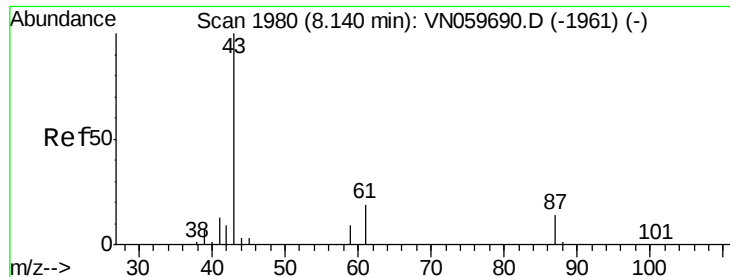
#35
Dibromofluoromethane
Concen: 51.376 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060039.D
Acq: 10 Feb 2020 12:31

Tgt Ion:113 Resp: 94856
Ion Ratio Lower Upper
113 100
111 101.8 83.5 125.3
192 20.8 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: 10.966 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060039.D

Acq: 10 Feb 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

HAM-WC-S-SB-BC

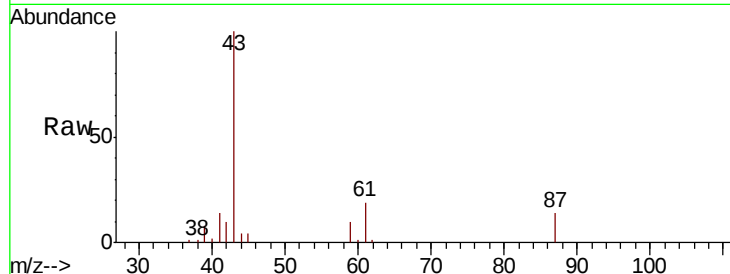
Tot Ion: 43 Resp: 47696

Ion Ratio Lower Upper

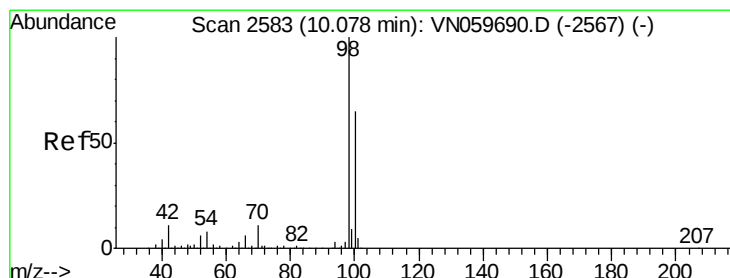
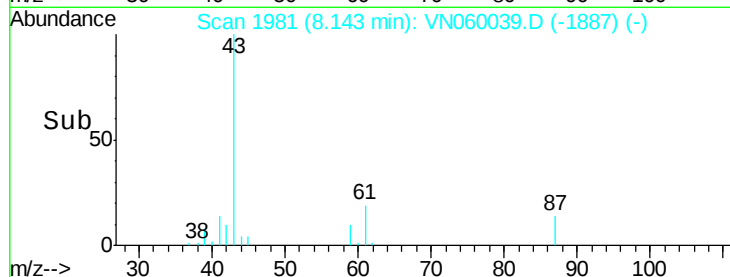
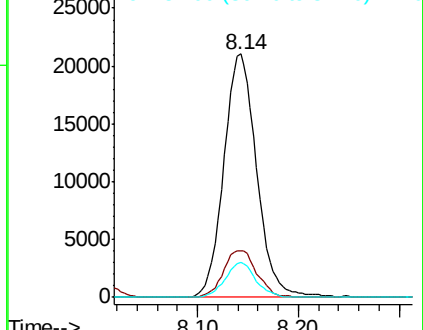
43 100

61 19.6 20.2 30.2#

87 13.3 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: 51.814 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060039.D

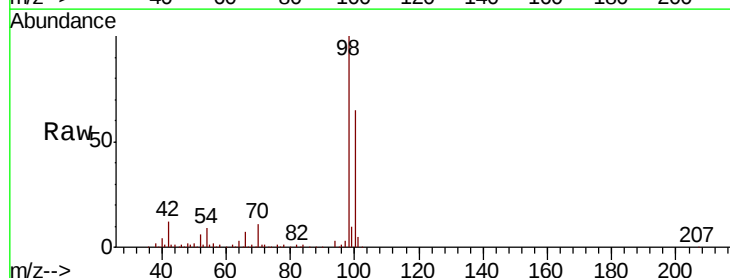
Acq: 10 Feb 2020 12:31

Tgt Ion: 98 Resp: 370653

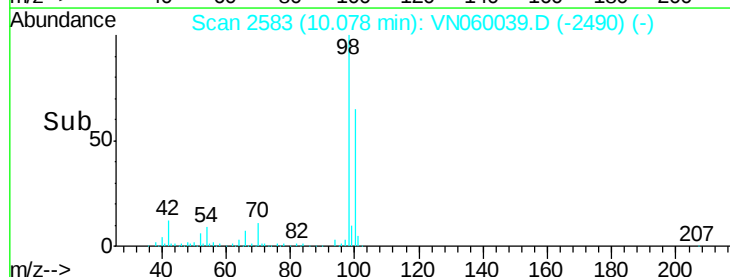
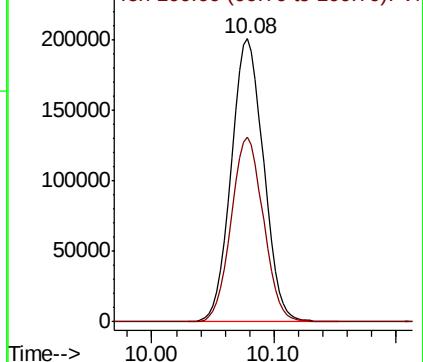
Ion Ratio Lower Upper

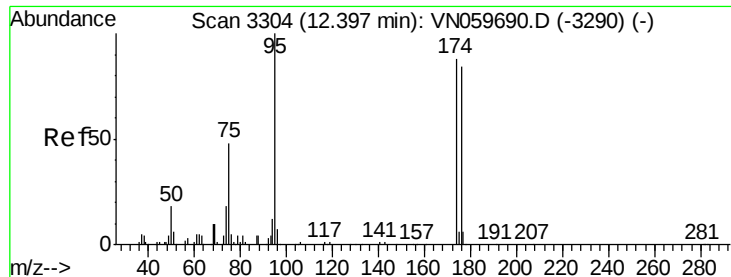
98 100

100 65.0 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: 51.401 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060039.D

Acq: 10 Feb 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

HAM-WC-S-SB-BC

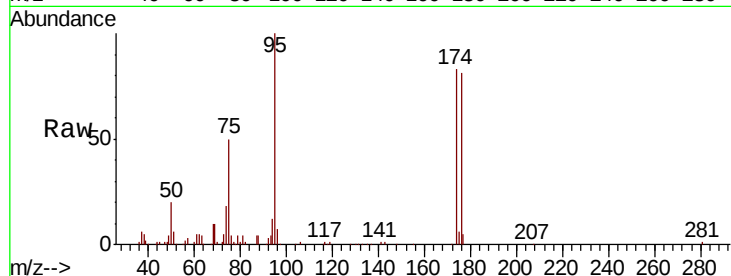
Tot Ion: 95 Resp: 132554

Ion Ratio Lower Upper

95 100

174 85.5 0.0 151.4

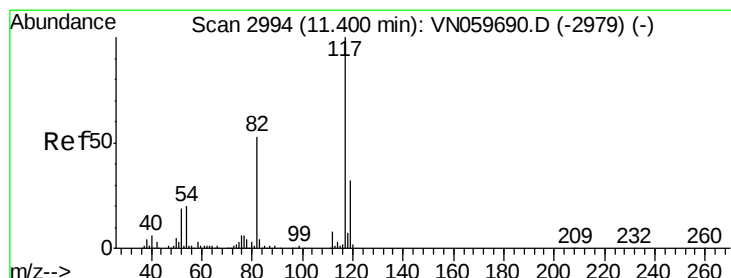
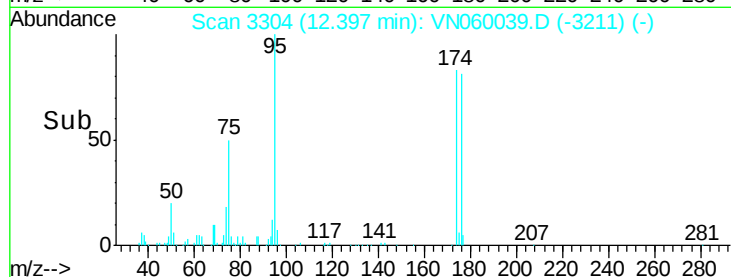
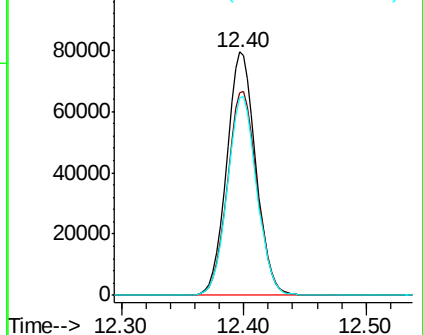
176 82.3 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060039.D

Acq: 10 Feb 2020 12:31

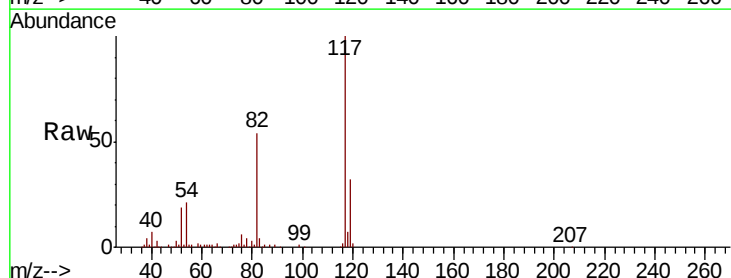
Tgt Ion: 117 Resp: 285052

Ion Ratio Lower Upper

117 100

82 54.5 45.9 68.9

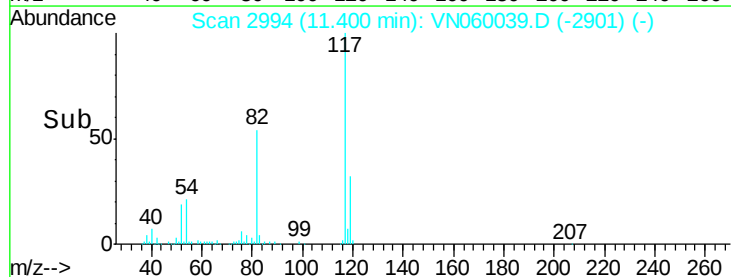
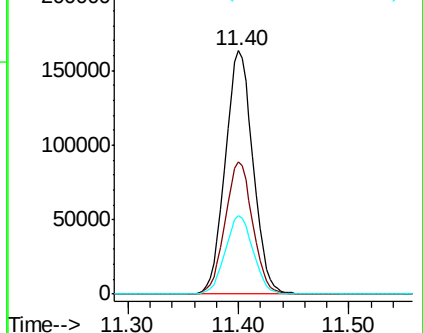
119 32.3 25.5 38.3

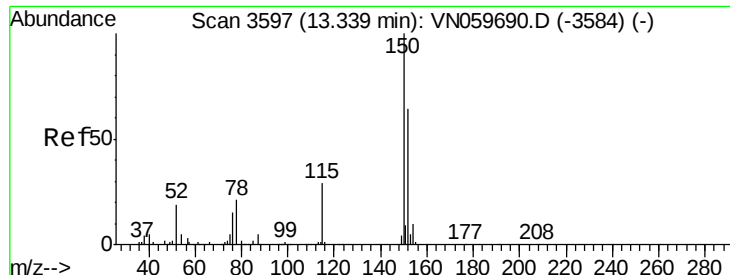


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN060039.D

Acq: 10 Feb 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

HAM-WC-S-SB-BC

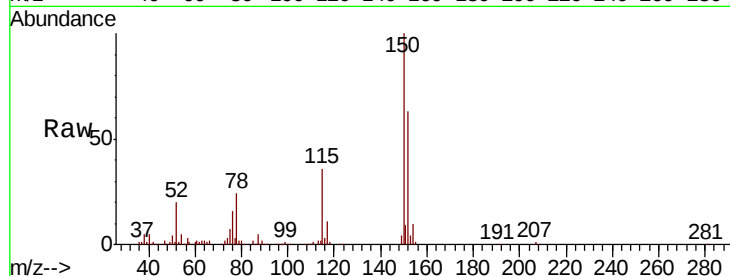
Tot Ion:152 Resp: 124491

Ion Ratio Lower Upper

152 100

115 58.1 30.3 90.9

150 159.4 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

