

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011620\
 Data File : VN059737.D
 Acq On : 16 Jan 2020 17:15
 Operator : JC/MD
 Sample : L1126-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-CHARACTERIZATION

Quant Time: Jan 17 08:12:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

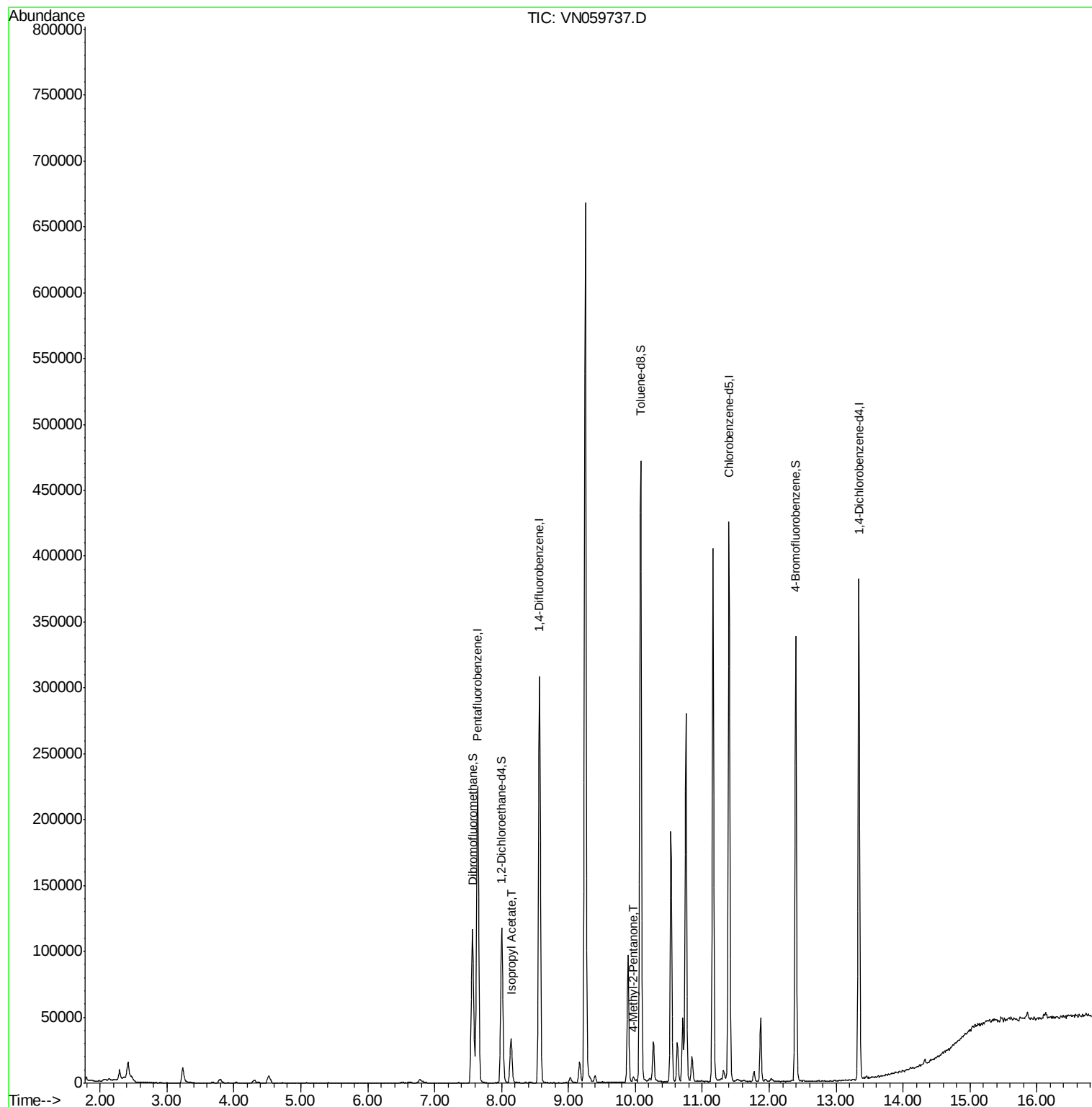
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	288480	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	248123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	105924	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	101180	46.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.36%	
35) Dibromofluoromethane	7.56	113	88077	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.40%	
50) Toluene-d8	10.08	98	331164	49.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.40	95	111967	46.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.20%	
Target Compounds						
43) Isopropyl Acetate	8.14	43	40909	10.094	ug/l #	90
51) 4-Methyl-2-Pentanone	9.97	43	2905	1.240	ug/l #	85

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

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Quant Title : SW846 8260
QLast Update : Tue Jan 14 08:58:21 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: VN059737.D

Acq: 16 Jan 2020 17:15

Instrument :

MSVOA_N

ClientSampleId :

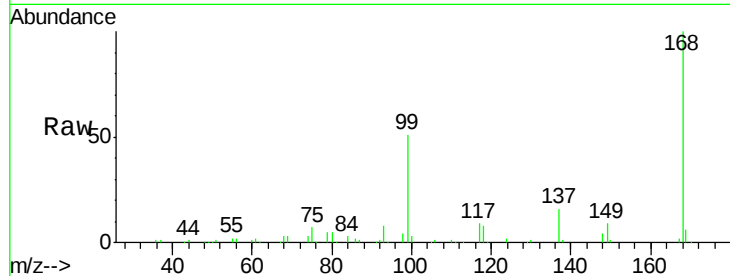
WASTE-CHARACTERIZATION

Tot Ion:168 Resp: 195195

Ion Ratio Lower Upper

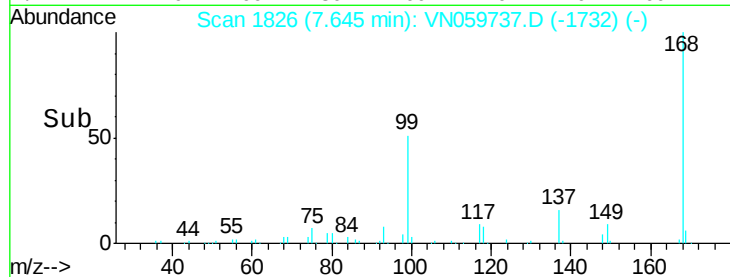
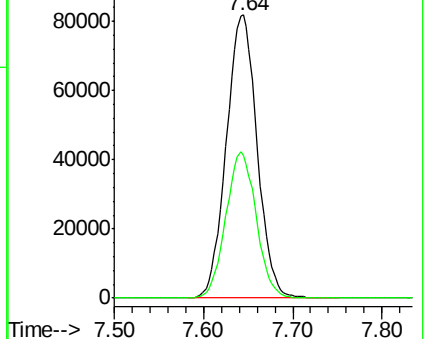
168 100

99 50.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059737.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059737.D (-1732) (-)



#33

1,2-Dichloroethane-d4

Concen: 46.676 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059737.D

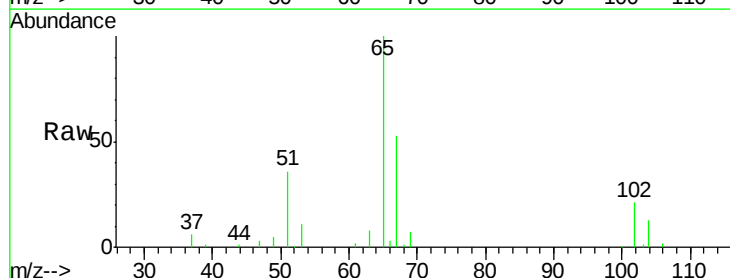
Acq: 16 Jan 2020 17:15

Tgt Ion: 65 Resp: 101180

Ion Ratio Lower Upper

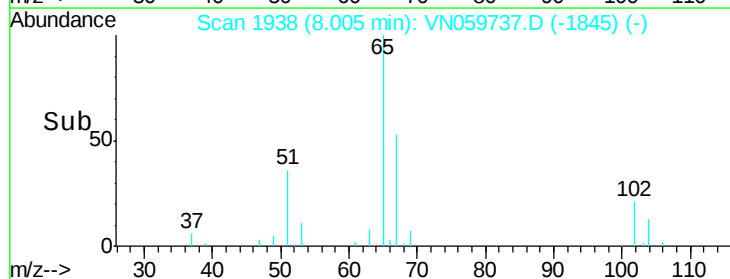
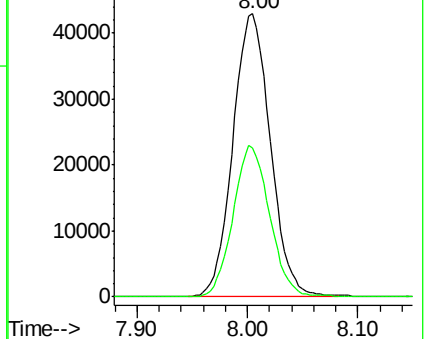
65 100

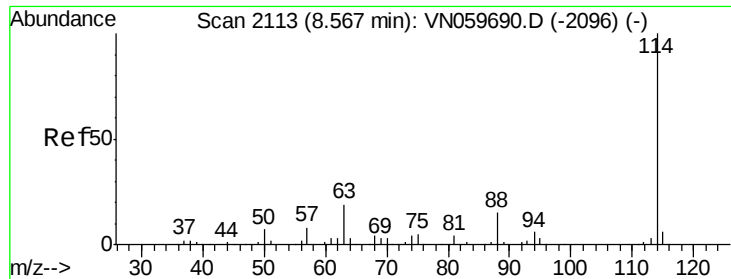
67 52.1 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN059737.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059737.D (-1845) (-)

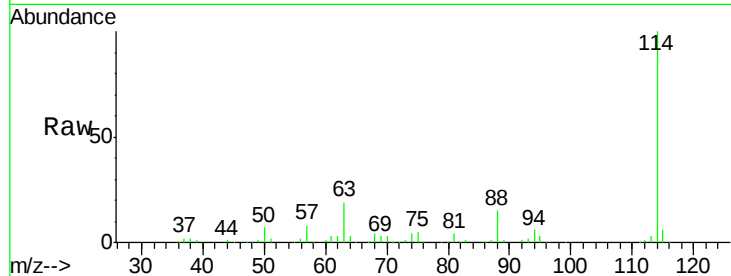




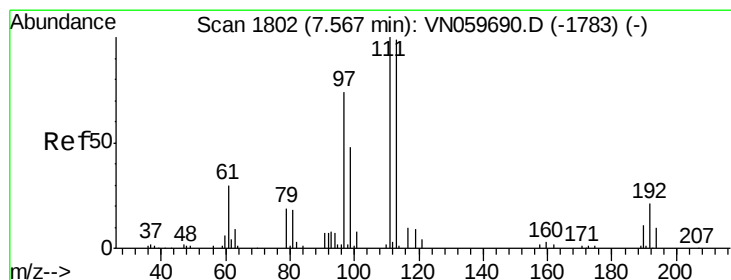
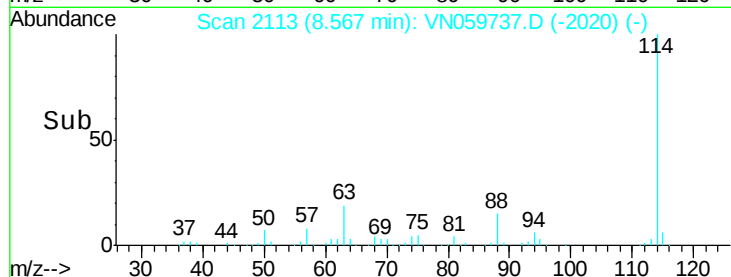
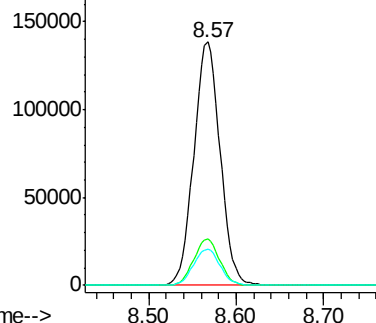
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059737.D
 Acq: 16 Jan 2020 17:15

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-CHARACTERIZATION

Tot Ion:114 Resp: 288480
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 43.6
 88 14.8 0.0 31.4

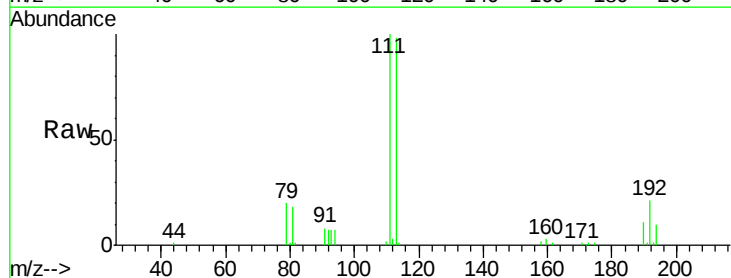


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

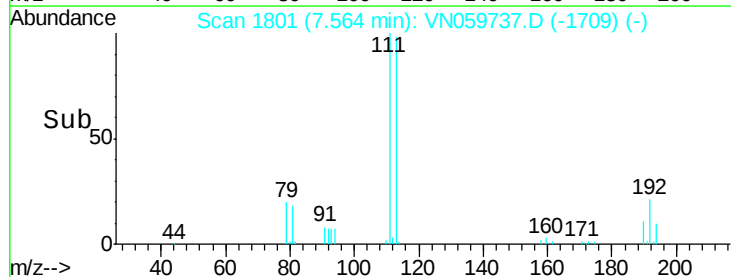
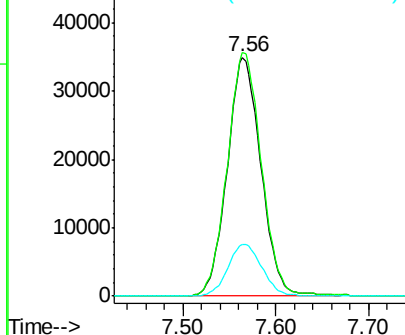


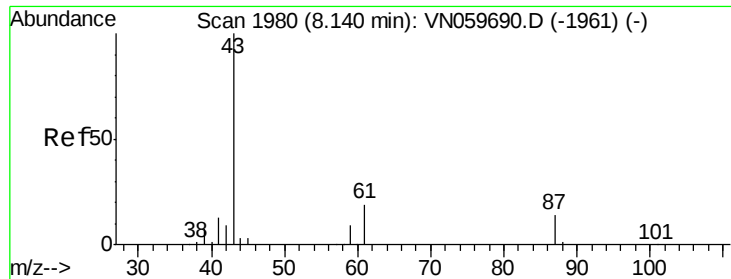
#35
 Dibromofluoromethane
 Concen: 51.198 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059737.D
 Acq: 16 Jan 2020 17:15

Tgt Ion:113 Resp: 88077
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.5 125.3
 192 21.8 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: 10.094 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059737.D

Acq: 16 Jan 2020 17:15

Instrument :

MSVOA_N

ClientSampleId :

WASTE-CHARACTERIZATION

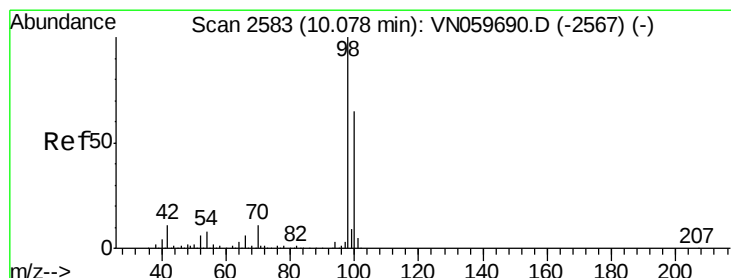
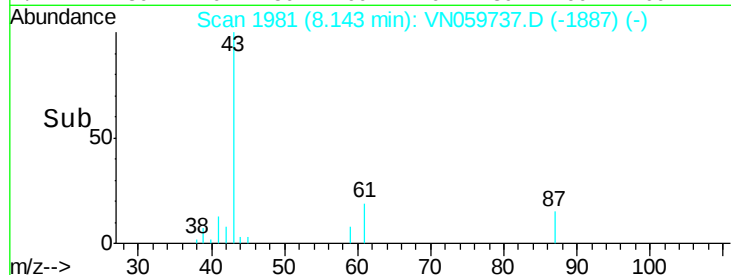
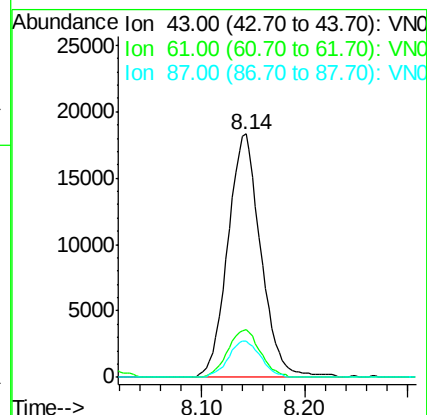
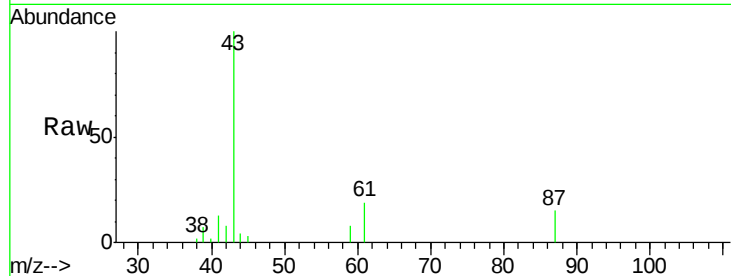
Tot Ion: 43 Resp: 40909

Ion Ratio Lower Upper

43 100

61 19.3 20.2 30.2#

87 14.5 9.5 14.3#



#50

Toluene-d8

Concen: 49.684 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059737.D

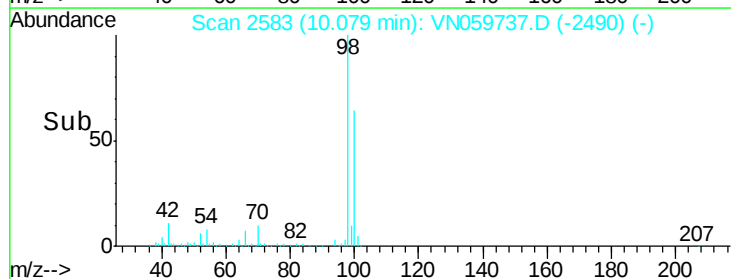
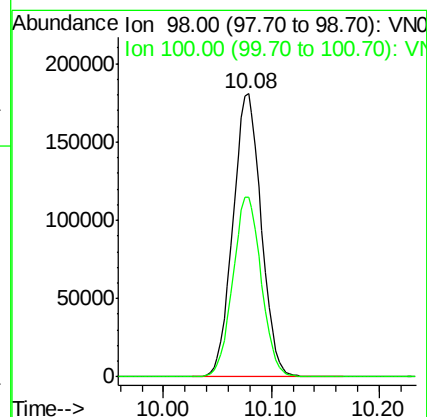
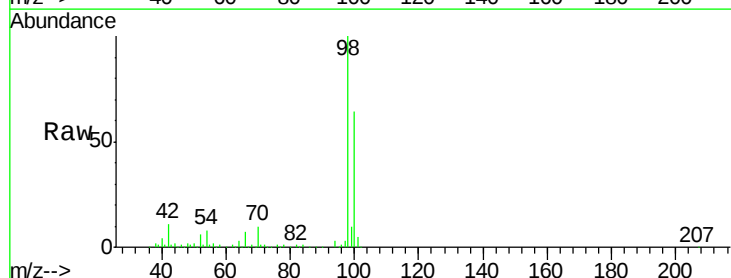
Acq: 16 Jan 2020 17:15

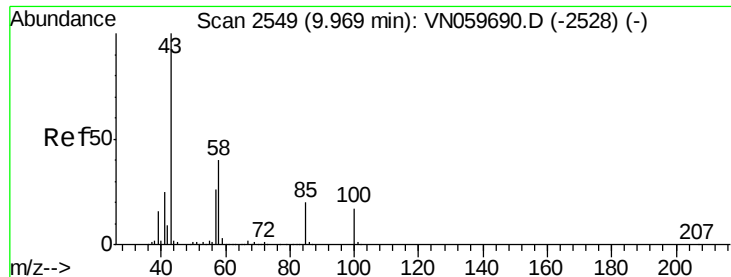
Tgt Ion: 98 Resp: 331164

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 1.240 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059737.D

Acq: 16 Jan 2020 17:15

Instrument :

MSVOA_N

ClientSampleId :

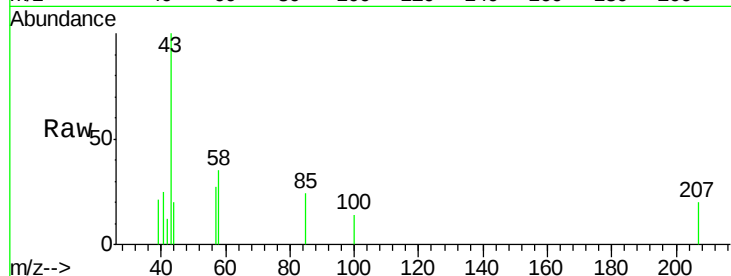
WASTE-CHARACTERIZATION

Tot Ion: 43 Resp: 2905

Ion Ratio Lower Upper

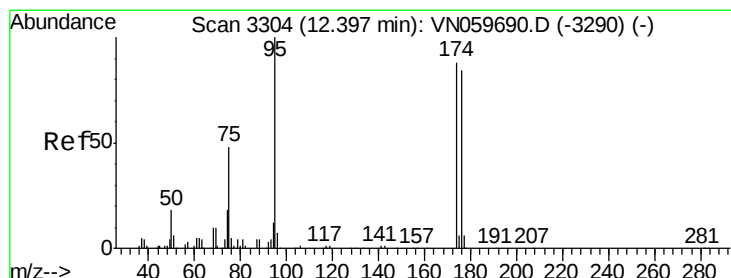
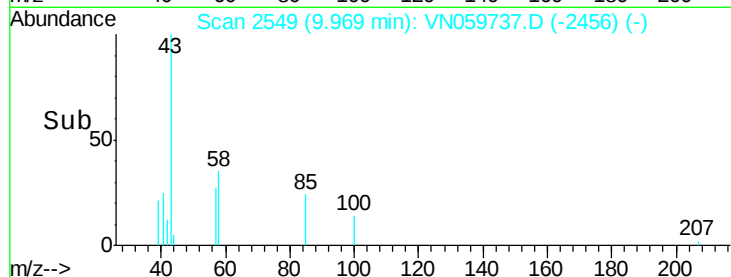
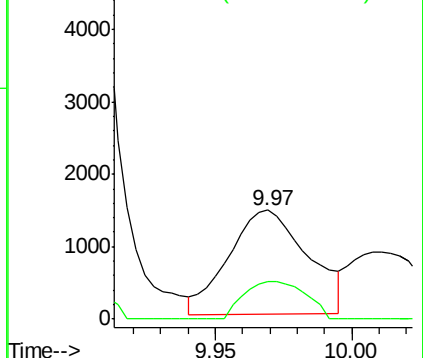
43 100

58 28.3 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 46.597 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059737.D

Acq: 16 Jan 2020 17:15

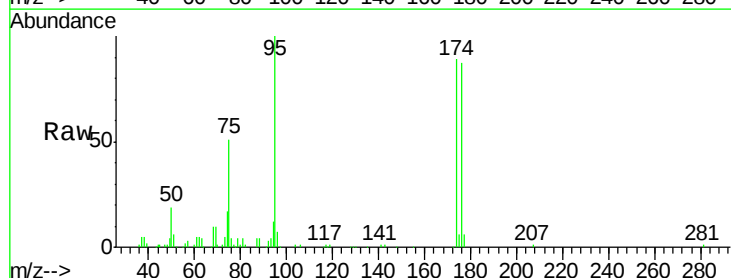
Tgt Ion: 95 Resp: 111967

Ion Ratio Lower Upper

95 100

174 88.5 0.0 151.4

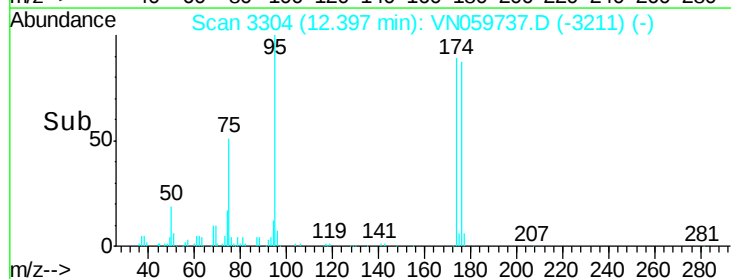
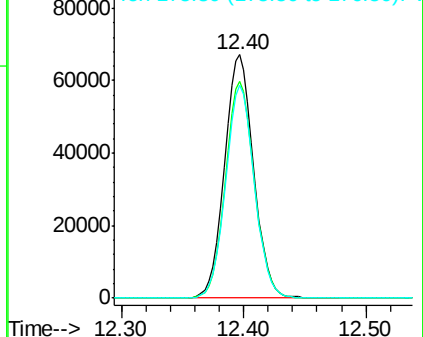
176 86.3 0.0 146.0

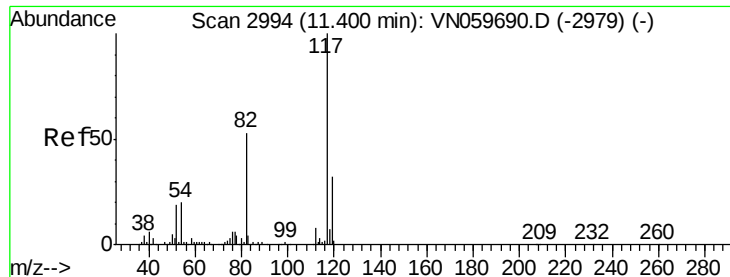


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059737.D

Acq: 16 Jan 2020 17:15

Instrument :

MSVOA_N

ClientSampleId :

WASTE-CHARACTERIZATION

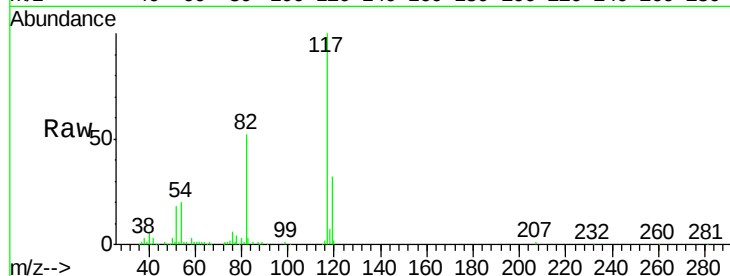
Tot Ion:117 Resp: 248123

Ion Ratio Lower Upper

117 100

82 52.1 45.9 68.9

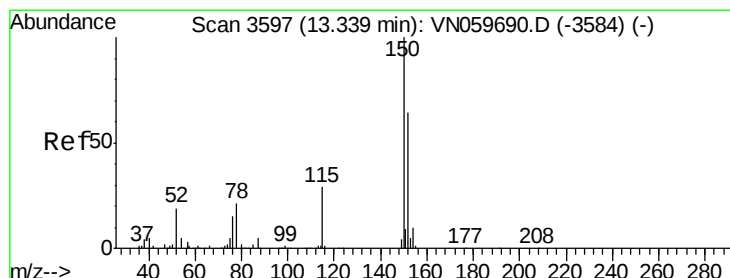
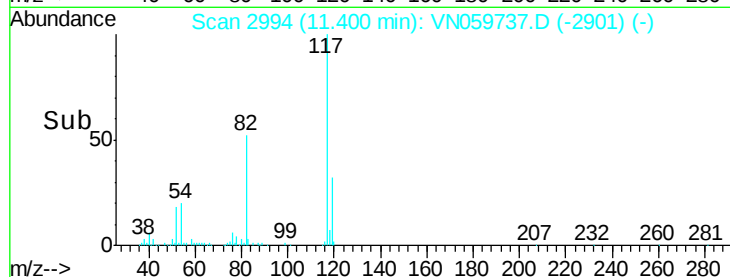
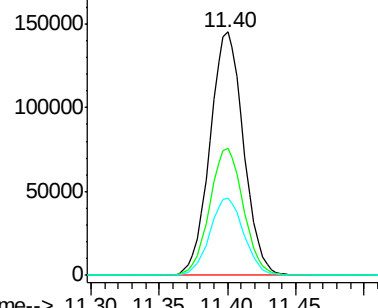
119 31.8 25.5 38.3



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: VN059737.D

Acq: 16 Jan 2020 17:15

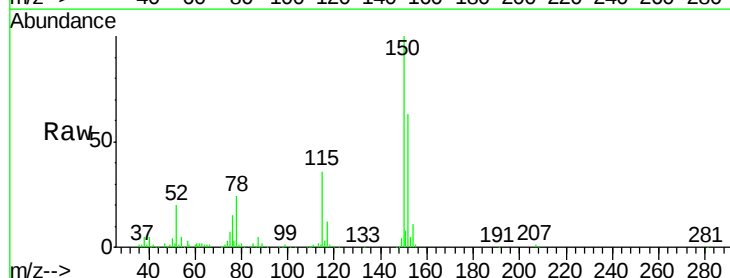
Tgt Ion:152 Resp: 105924

Ion Ratio Lower Upper

152 100

115 56.6 30.3 90.9

150 155.5 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

