

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058468.D
 Acq On : 1 Oct 2019 17:47
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:35:55 PM

Quant Time: Oct 02 07:30:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	399098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	652847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	211699	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	291649	50.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.02%	
35) Dibromofluoromethane	7.57	113	203597	50.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.76%	
50) Toluene-d8	10.08	98	817741	52.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.41	95	255372	45.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.12%	
Target Compounds						
32) 1,1,1-Trichloroethane	7.56	97	5603m	0.811	ug/l	
64) Tetrachloroethene	10.63	164	24291	6.896	ug/l	96

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

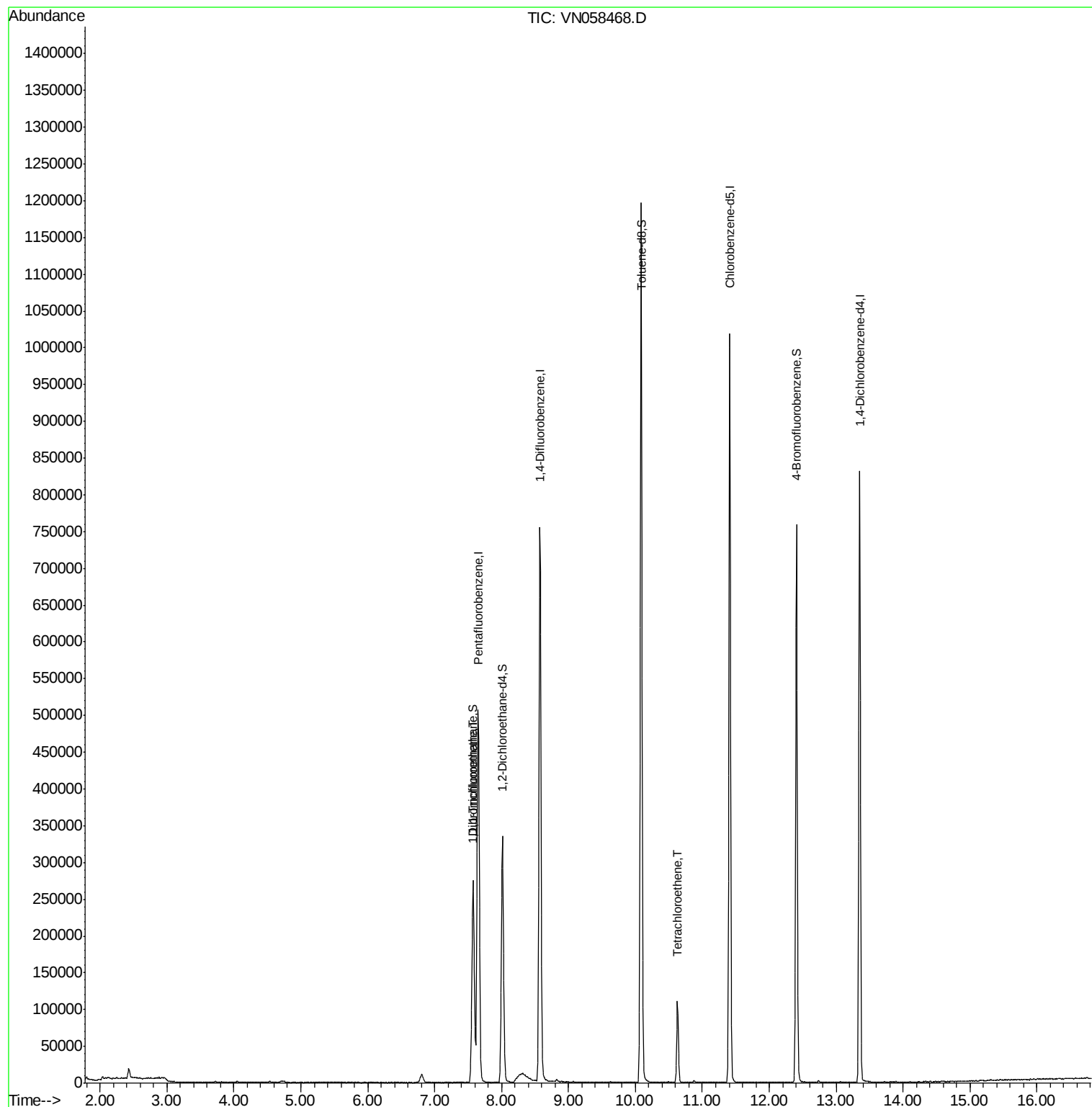
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
Data File : VN058468.D
Acq On : 1 Oct 2019 17:47
Operator : JC/SP
Sample : I.BLK
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

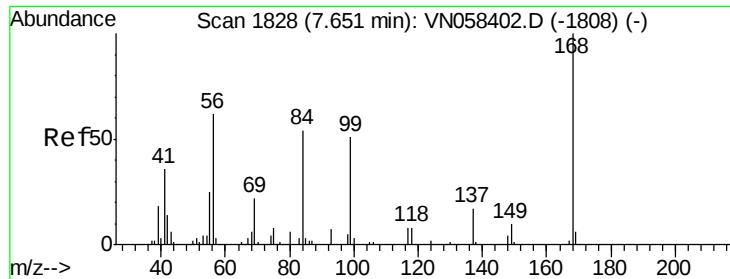
Instrument :
MSVOA_N
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:35:55 PM

Quant Time: Oct 02 07:30:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

I.BLK

Tot Ion:168 Resp: 399098

Ion Ratio Lower Upper

168 100

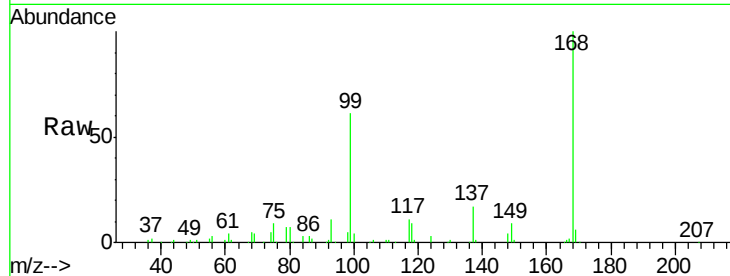
99 61.4 47.7 71.5

Manual Integrations

APPROVED

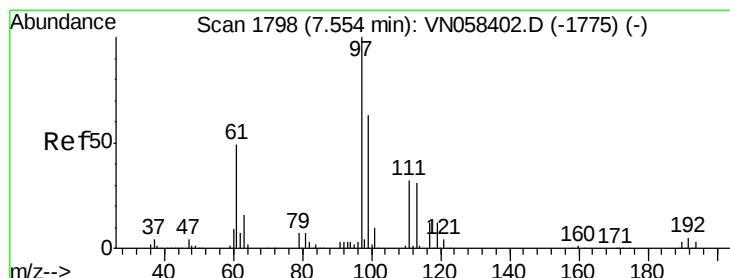
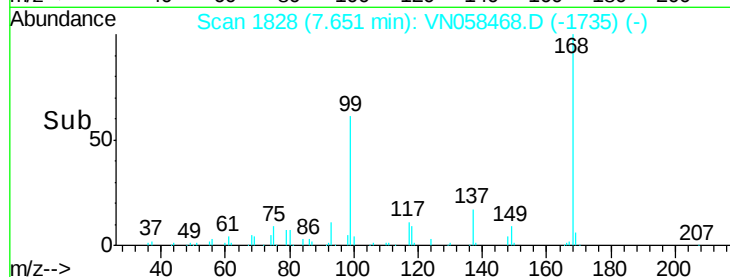
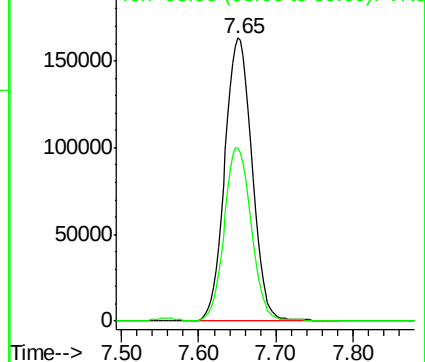
MMDadoda

10/3/2019 12:35:55 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#32

1,1,1-Trichloroethane

Concen: 0.811 ug/l m

RT: 7.56 min Scan# 1800

Delta R.T. 0.01 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

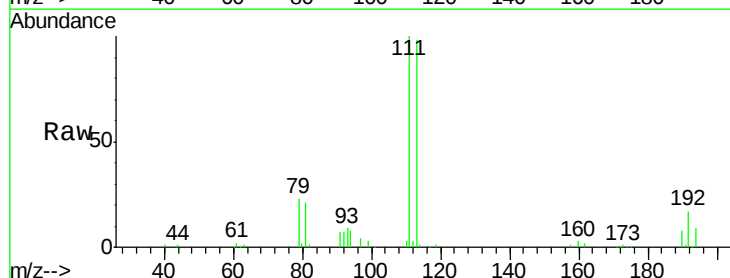
Tgt Ion: 97 Resp: 5603

Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

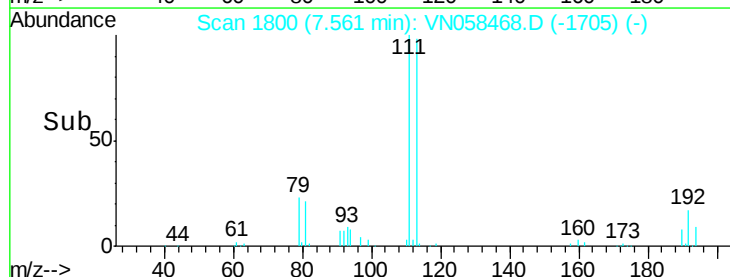
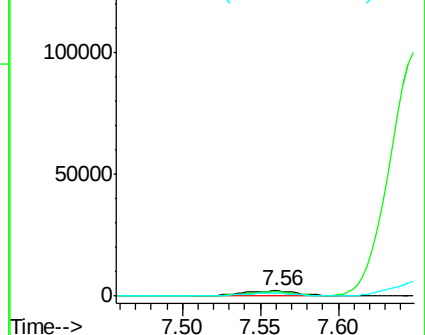
61 51.4 39.2 58.8

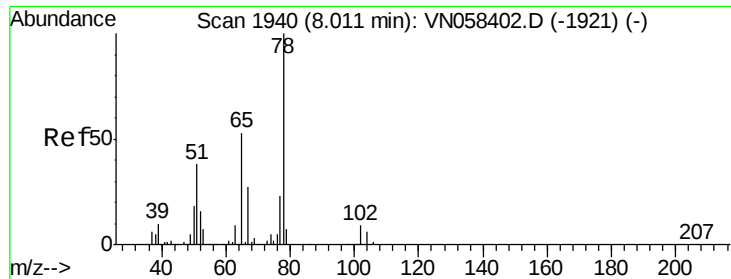


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 50.007 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

I.BLK

Tot Ion: 65 Resp: 291649

Ion Ratio Lower Upper

65 100

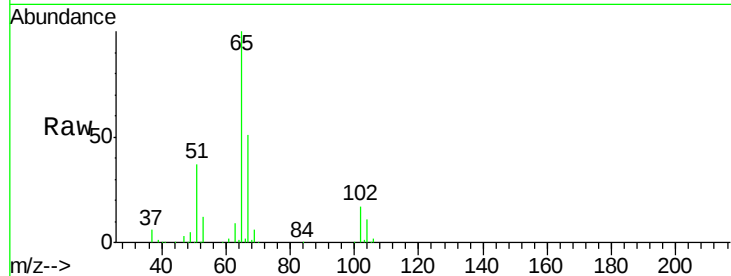
67 51.6 0.0 102.4

Manual Integrations

APPROVED

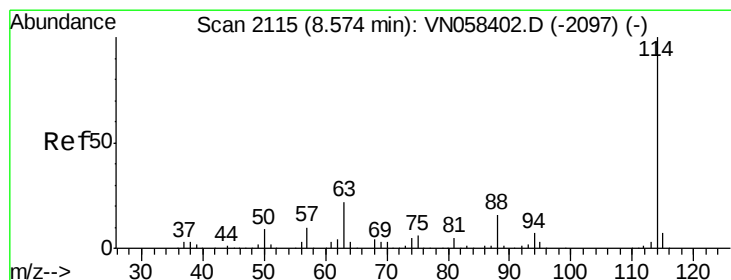
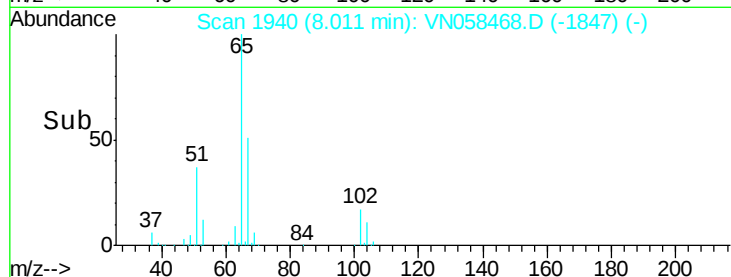
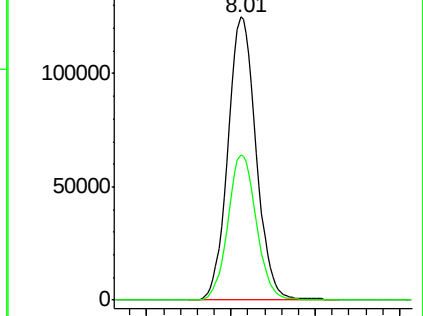
MMDadoda

10/3/2019 12:35:55 PM



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# 2115

Delta R.T. -0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

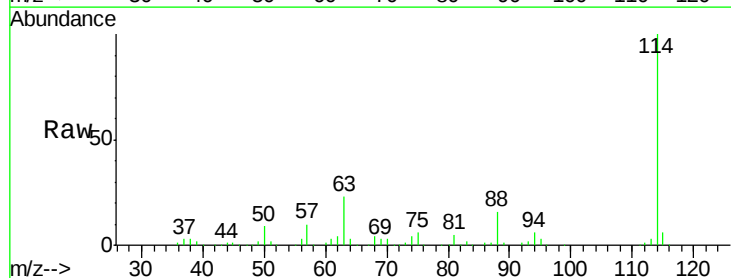
Tgt Ion: 114 Resp: 652847

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.0

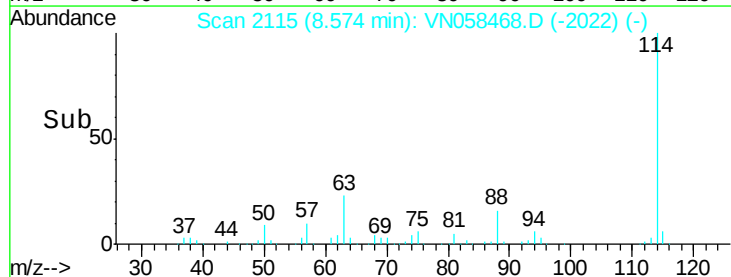
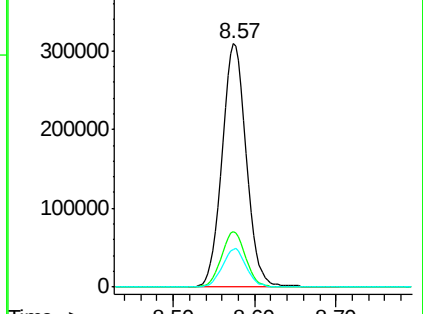
88 15.7 0.0 32.2

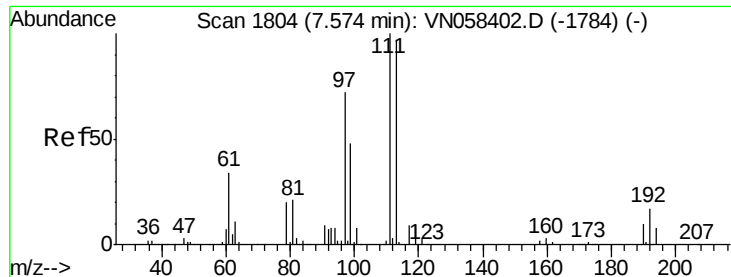


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 50.884 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Instrument :

MSVOA_N

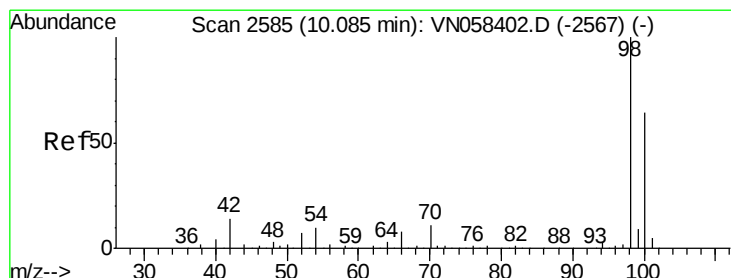
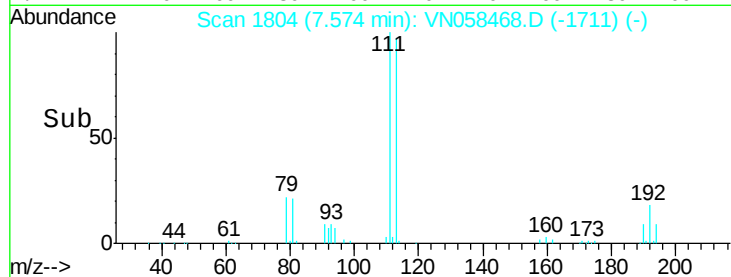
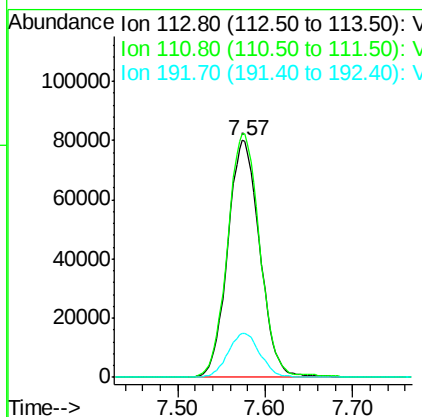
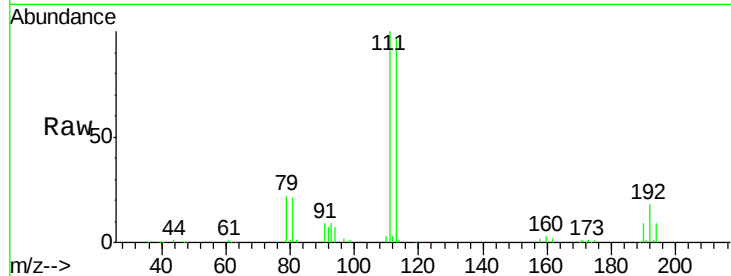
ClientSampled :

I.BLK

Tot Ion:	113	Resp:	203597
Ion Ratio	Lower	Upper	
113	100		
111	103.9	83.4	125.2
192	18.5	14.9	22.3

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:35:55 PM



#50

Toluene-d8

Concen: 52.170 ug/l

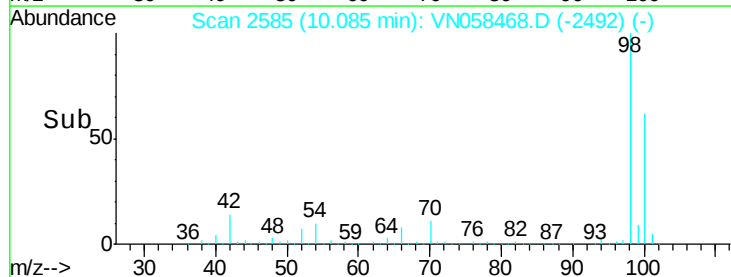
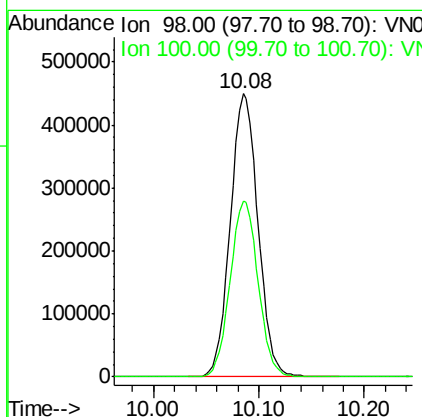
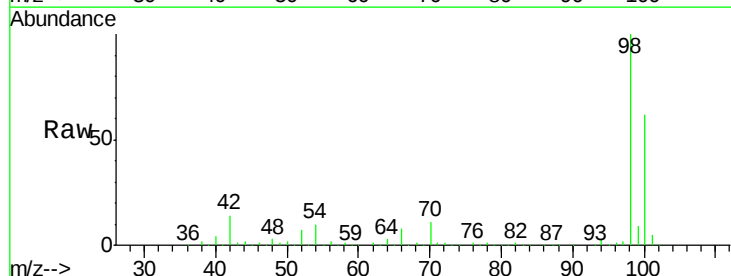
RT: 10.08 min Scan# 2585

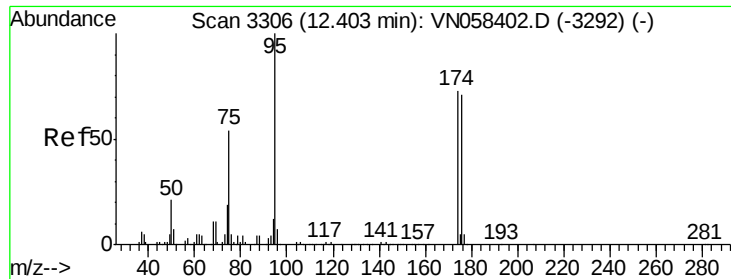
Delta R.T. -0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Tgt Ion:	98	Resp:	817741
Ion Ratio	Lower	Upper	
98	100		
100	62.7	51.0	76.6





#62

4-Bromofluorobenzene

Concen: 45.058 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

I.BLK

Tot Ion: 95 Resp: 255372

Ion Ratio Lower Upper

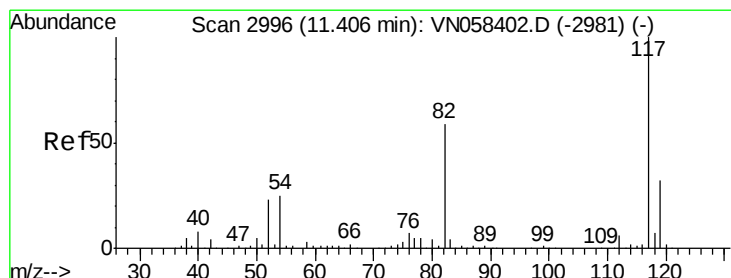
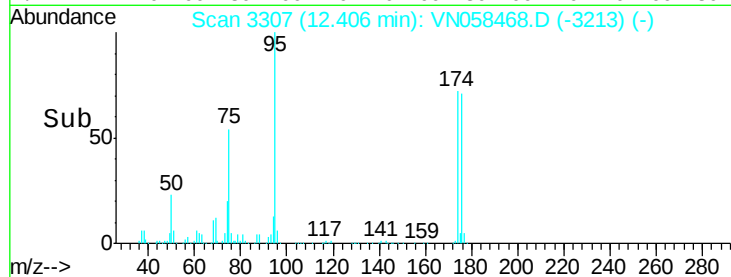
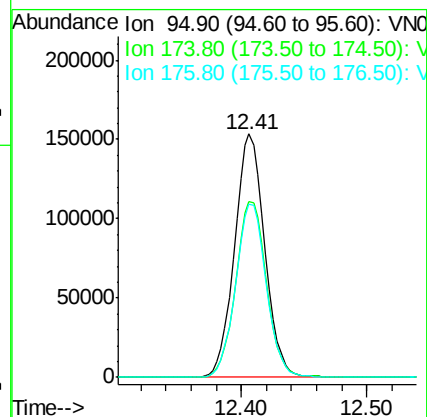
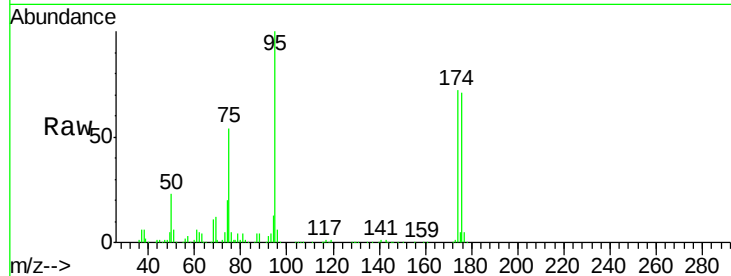
95 100

174 74.2 0.0 150.6

176 72.7 0.0 146.2

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:35:55 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

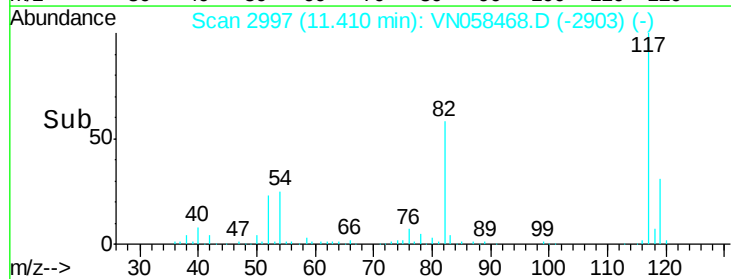
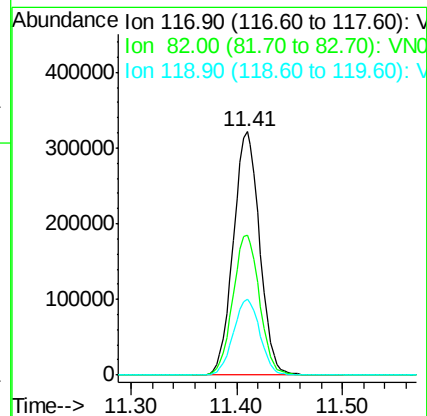
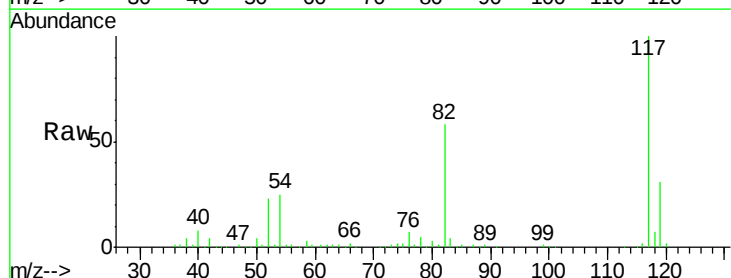
Tgt Ion: 117 Resp: 554457

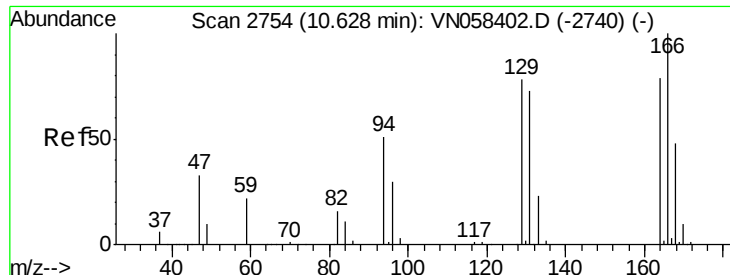
Ion Ratio Lower Upper

117 100

82 57.7 47.4 71.0

119 31.2 25.5 38.3





#64

Tetrachloroethene

Concen: 6.896 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

I.BLK

Tot Ion:164 Resp: 24291

Ion Ratio Lower Upper

164 100

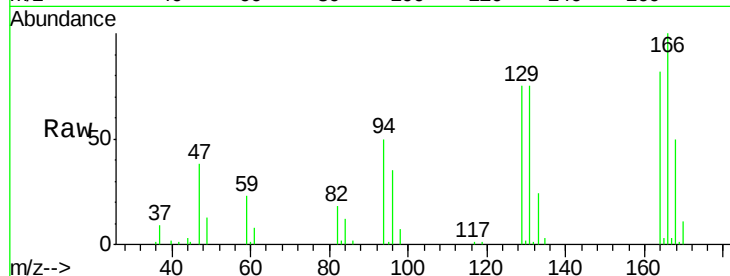
166 122.6 101.1 151.7

129 92.3 79.2 118.8

131 91.7 74.1 111.1

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:35:55 PM

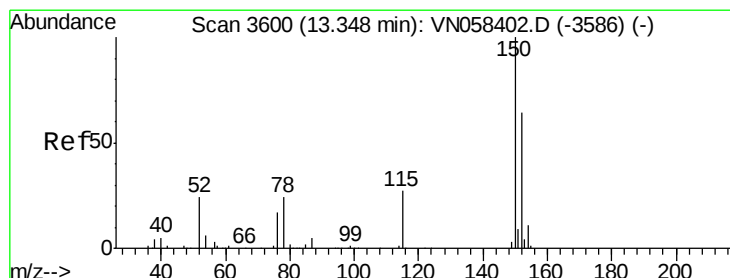
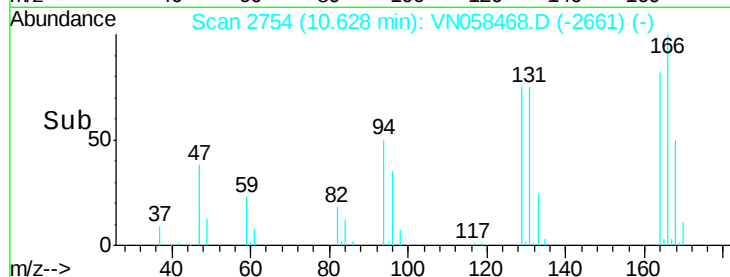
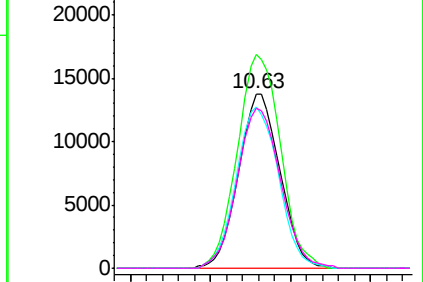


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

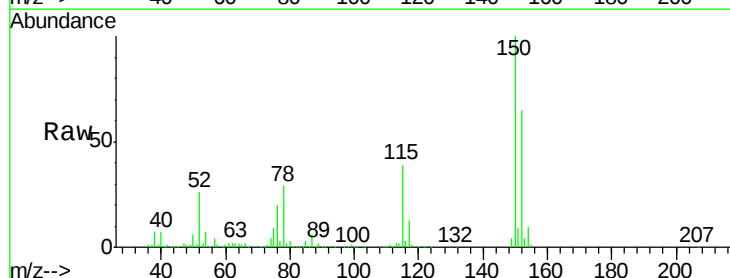
Tgt Ion:152 Resp: 211699

Ion Ratio Lower Upper

152 100

115 60.6 30.0 90.0

150 155.7 0.0 348.2



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

