

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063248.D
 Acq On : 4 Sep 2020 15:25
 Operator : JC/MD
 Sample : L3902-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ172I-20200902

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 1:33:43 PM

Quant Time: Sep 07 04:05:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	273728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	529610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	523441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	202516	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	218901	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.84%	
35) Dibromofluoromethane	7.55	113	168315	49.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.08%	
50) Toluene-d8	10.06	98	672942	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.38	95	228452	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
Target Compounds						
3) Chloromethane	2.03	50	5739	1.462	ug/l #	83
12) 1,1-Dichloroethene	3.69	96	2070m	0.689	ug/l	
19) Methyl tert-butyl Ether	5.00	73	10546m	0.947	ug/l	
20) Methylene Chloride	4.50	84	5301m	1.000	ug/l	
24) 1,1-Dichloroethane	5.80	63	44672	6.780	ug/l	98

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

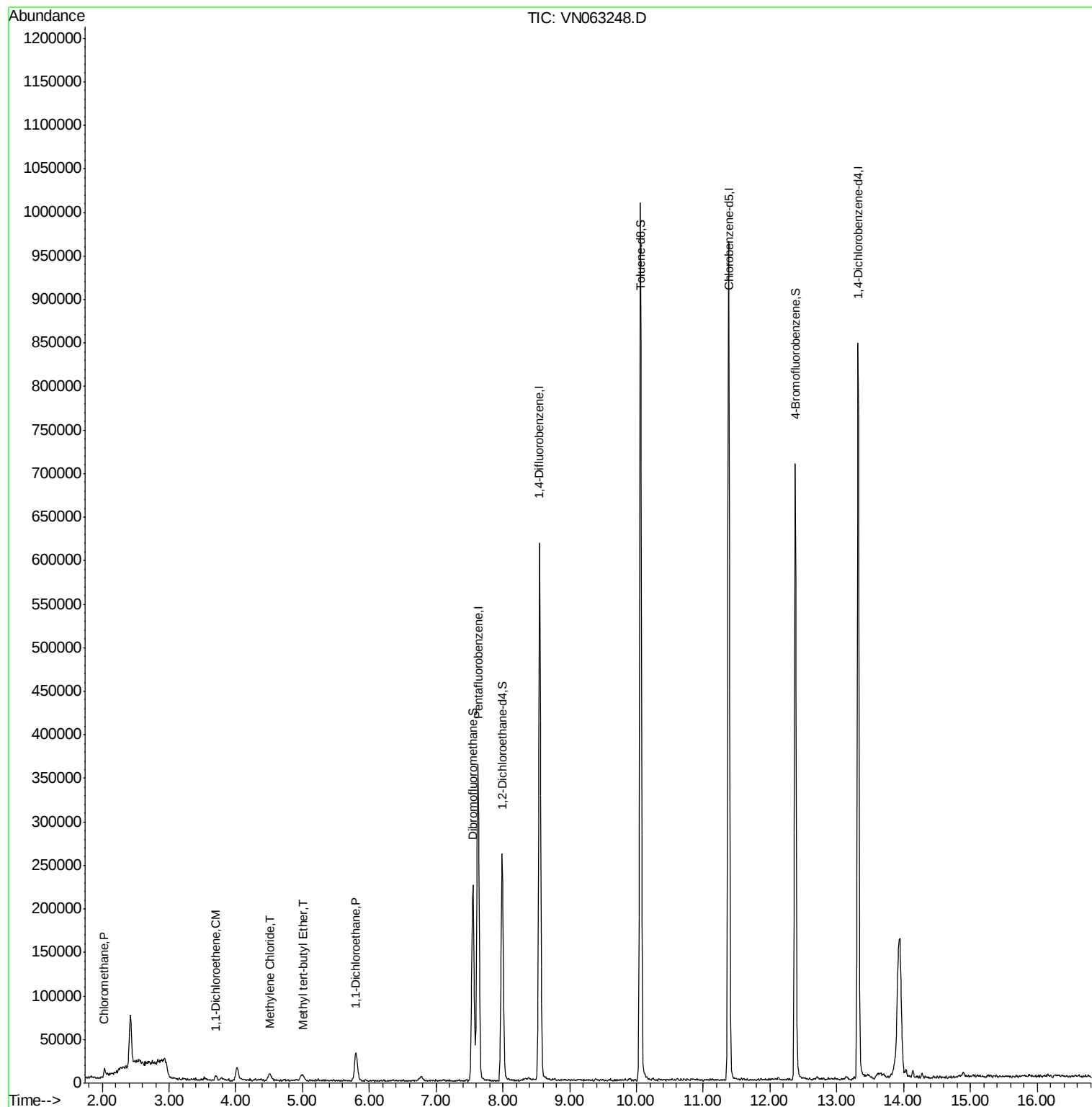
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090420\
Data File : VN063248.D
Acq On : 4 Sep 2020 15:25
Operator : JC/MD
Sample : L3902-18
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

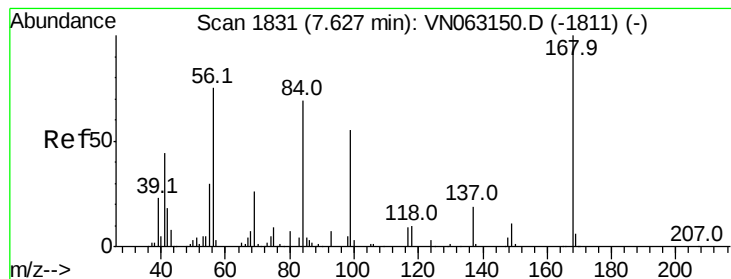
Instrument :
MSVOA_N
ClientSampleId :
SA-PZ172I-20200902

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:43 PM

Quant Time: Sep 07 04:05:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063248.D

Acq: 4 Sep 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ172I-20200902

Tot Ion:168 Resp: 273728

Ion Ratio Lower Upper

168 100

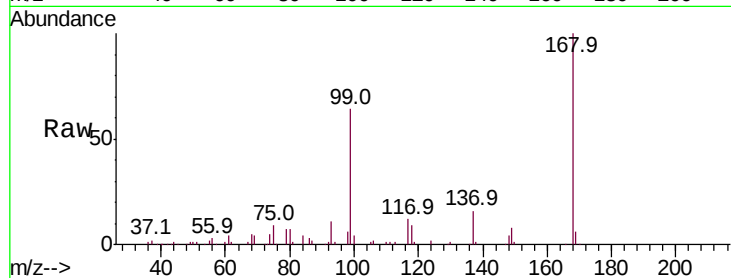
99 63.4 54.2 81.2

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:33:43 PM



Abundance Ion 167.90 (167.60 to 168.60): VN063150.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063150.D (-1811) (-)

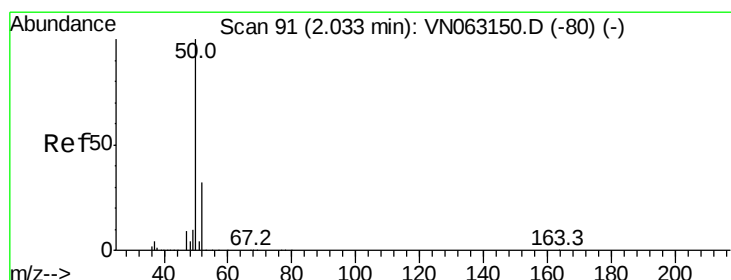
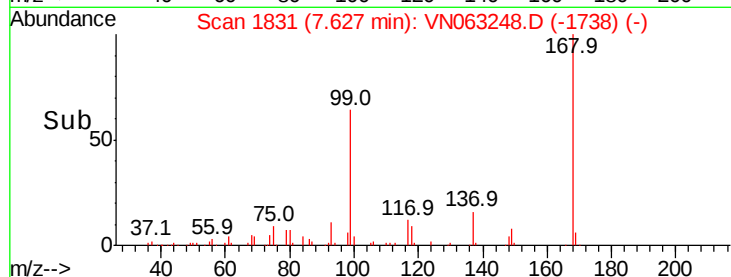
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 1.462 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063248.D

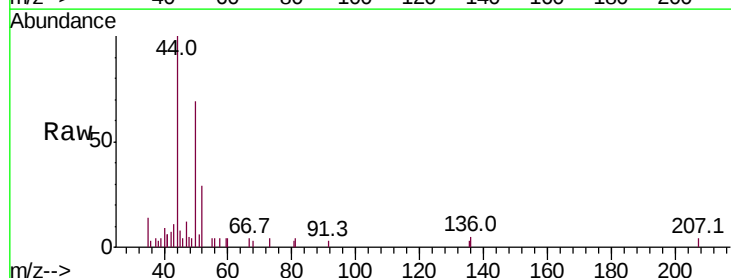
Acq: 4 Sep 2020 15:25

Tgt Ion: 50 Resp: 5739

Ion Ratio Lower Upper

50 100

52 41.6 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VN063150.D (-80) (-)

Ion 51.90 (51.60 to 52.60): VN063150.D (-80) (-)

2.03

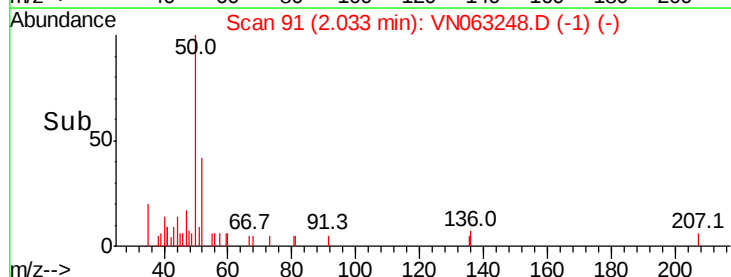
3000

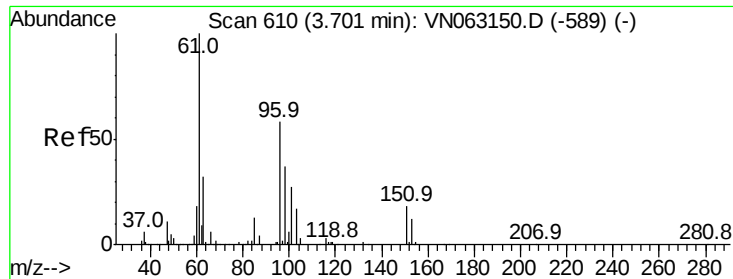
2000

1000

0

Time--> 2.00 2.05





#12

1,1-Dichloroethene

Concen: 0.689 ug/l m

RT: 3.69 min Scan# 607

Delta R.T. -0.01 min

Lab File: VN063248.D

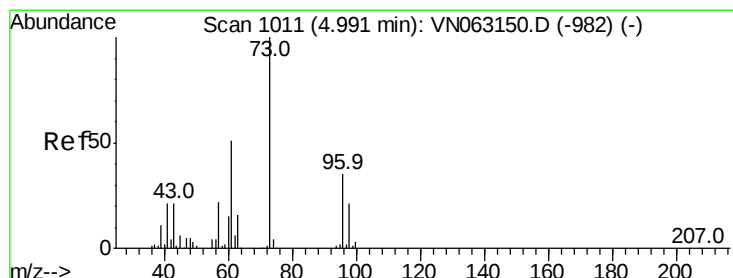
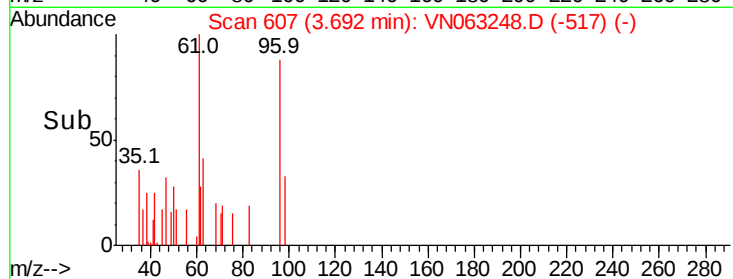
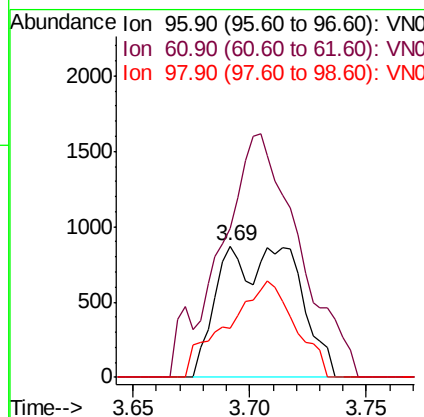
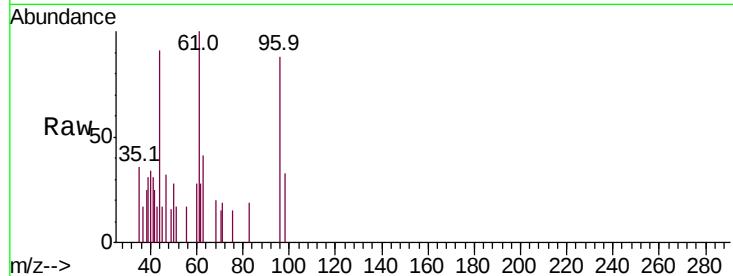
Acq: 4 Sep 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
SA-PZ172I-20200902

Tot Ion:	96	Resp:	2070
Ion	Ratio	Lower	Upper
96	100		
61	113.4	137.4	206.2#
98	37.8	50.5	75.7#

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:43 PM



#19

Methyl tert-butyl Ether

Concen: 0.947 ug/l m

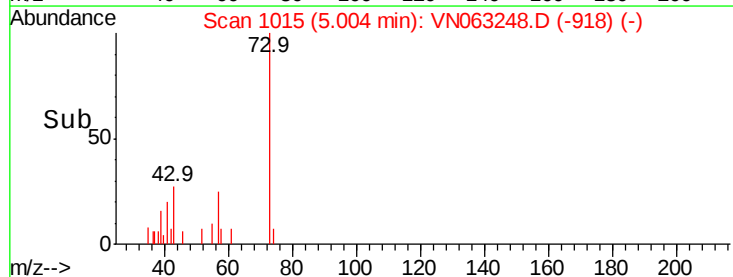
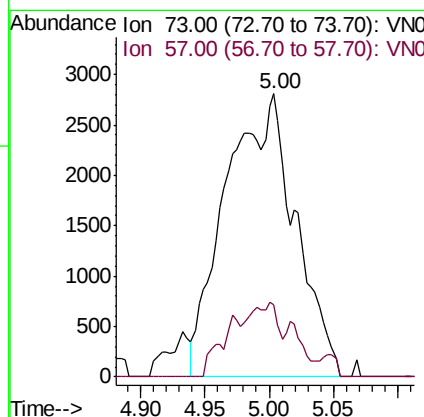
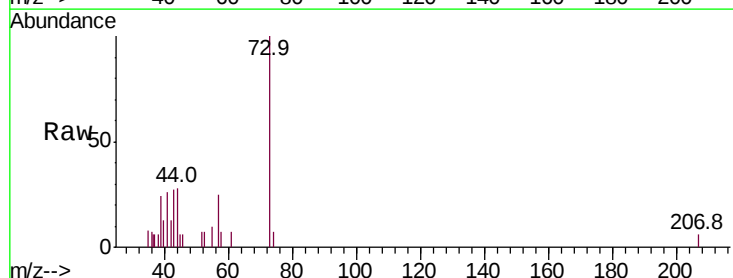
RT: 5.00 min Scan# 1015

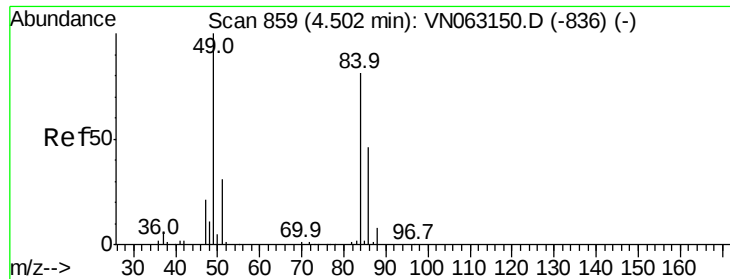
Delta R.T. 0.01 min

Lab File: VN063248.D

Acq: 4 Sep 2020 15:25

Tgt Ion:	73	Resp:	10546
Ion	Ratio	Lower	Upper
73	100		
57	25.4	17.6	26.4





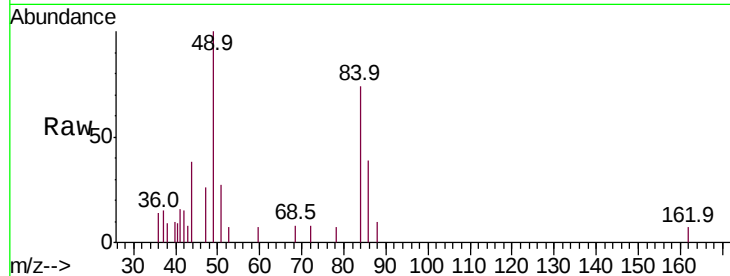
#20
Methvlene Chloride
Concen: 1.000 ug/l m
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063248.D
Acq: 4 Sep 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
SA-PZ172I-20200902

Tot Ion:	84	Resp:	5301
Ion	Ratio	Lower	Upper
84	100		
49	135.7	98.4	147.6
51	36.7	30.4	45.6
86	52.5	45.7	68.5

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:43 PM



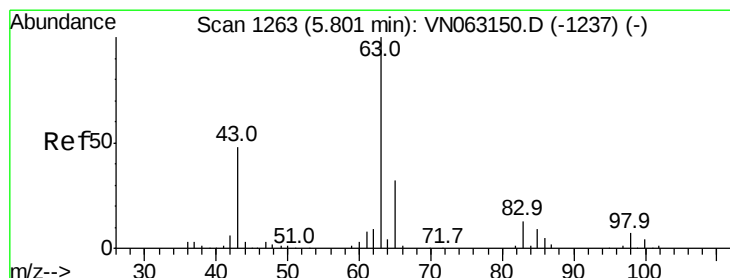
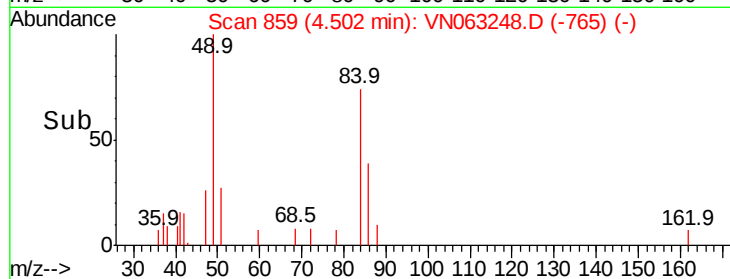
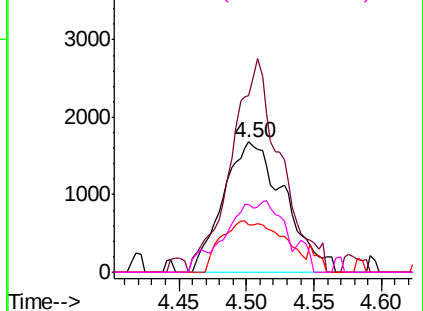
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

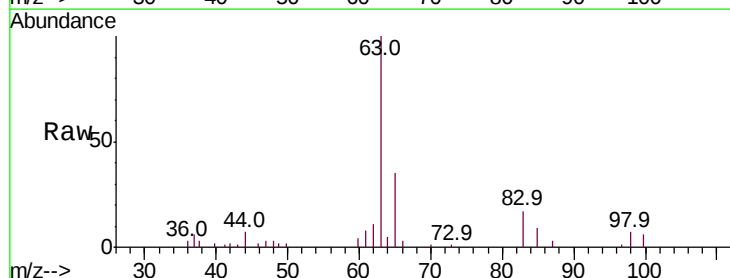
Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#24
1,1-Dichloroethane
Concen: 6.780 ug/l
RT: 5.80 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VN063248.D
Acq: 4 Sep 2020 15:25

Tgt Ion:	63	Resp:	44672
Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.1
100	5.7	2.3	6.8

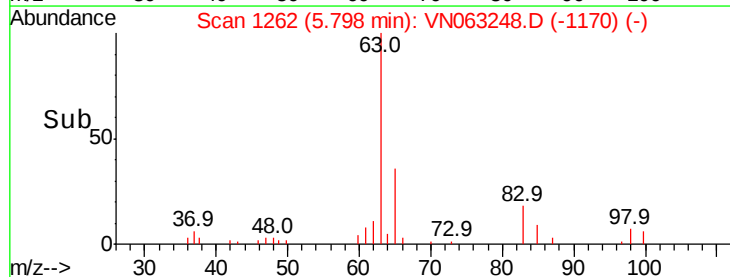
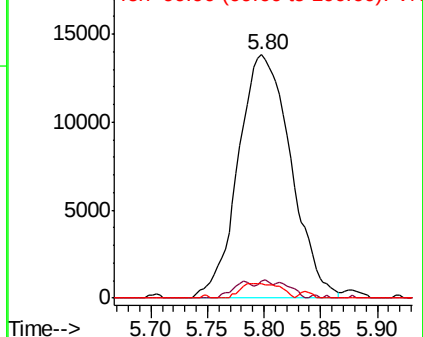


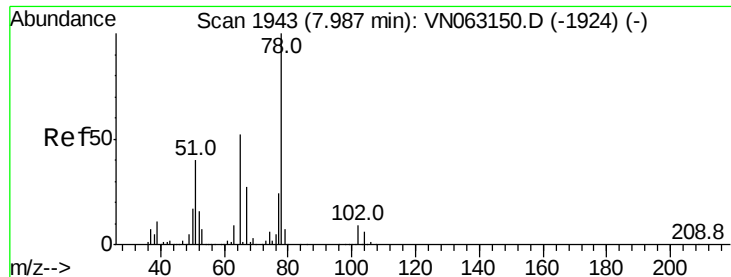
Abundance

Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.920 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063248.D

Acq: 4 Sep 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ172I-20200902

Tot Ion: 65 Resp: 218901

Ion Ratio Lower Upper

65 100

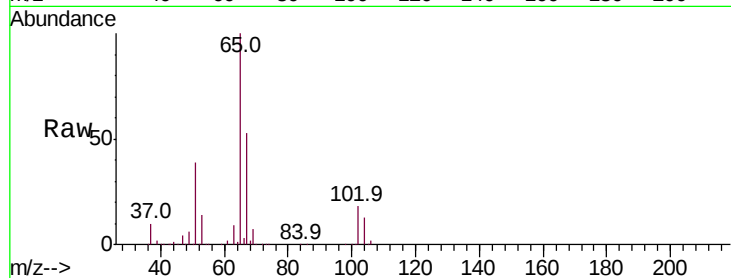
67 50.9 0.0 104.4

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:33:43 PM



Abundance Ion 64.90 (64.60 to 65.60): VN063150.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063150.D (-1924) (-)

7.99

100000

80000

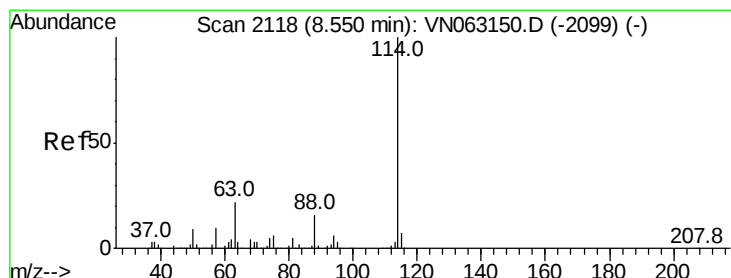
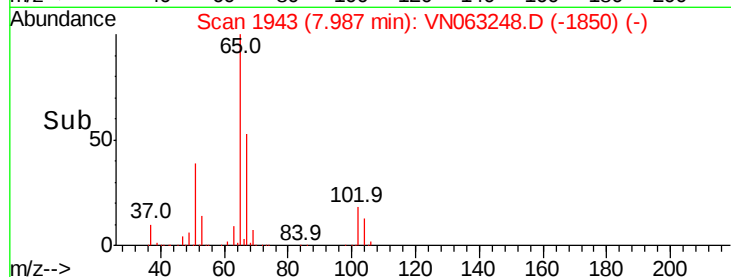
60000

40000

20000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063248.D

Acq: 4 Sep 2020 15:25

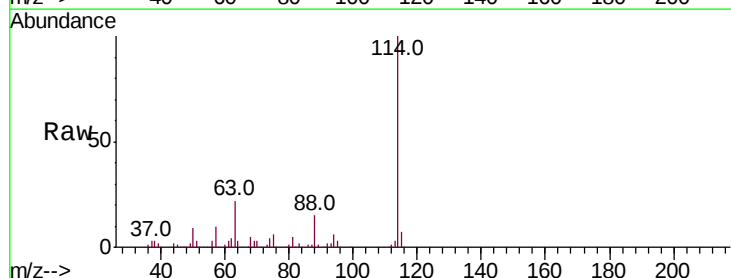
Tgt Ion: 114 Resp: 529610

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.0

88 15.0 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN063150.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN063150.D (-2099) (-)

Ion 87.90 (87.60 to 88.60): VN063150.D (-2099) (-)

8.55

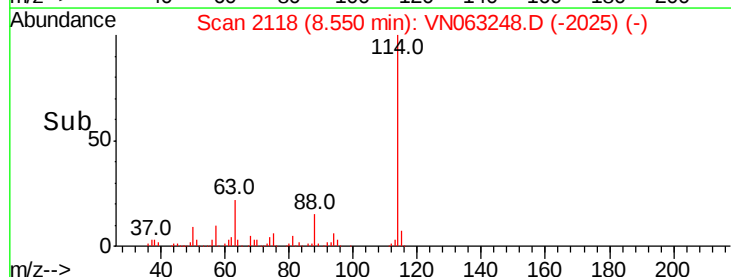
300000

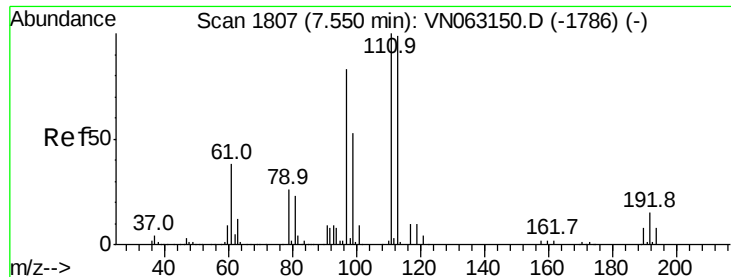
200000

100000

0

Time--> 8.45 8.50 8.55 8.60 8.65





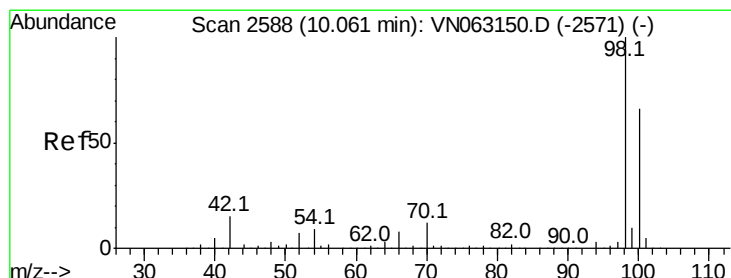
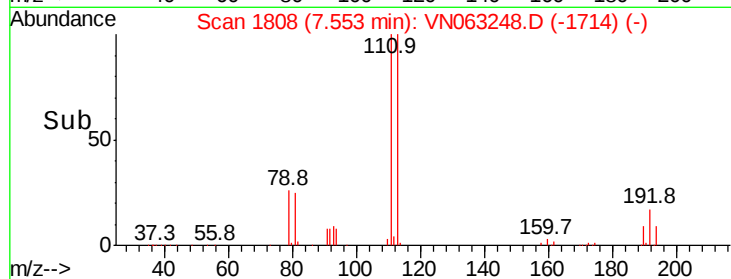
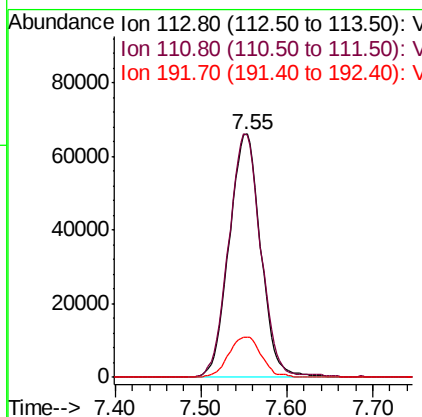
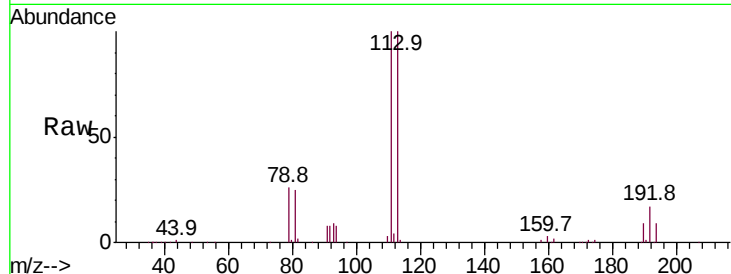
#35
 Dibromofluoromethane
 Concen: 49.538 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063248.D
 Acq: 4 Sep 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ172I-20200902

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	80.7	121.1
192	17.4	12.6	19.0

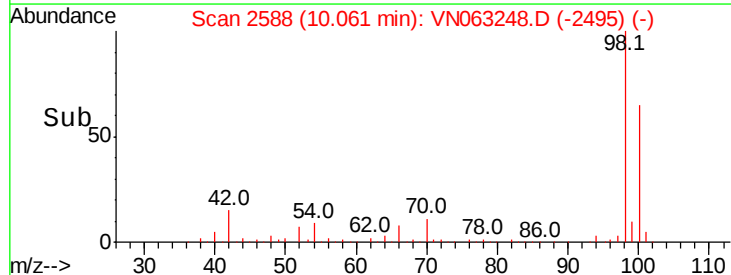
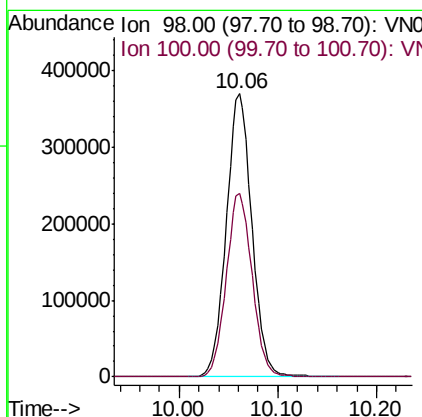
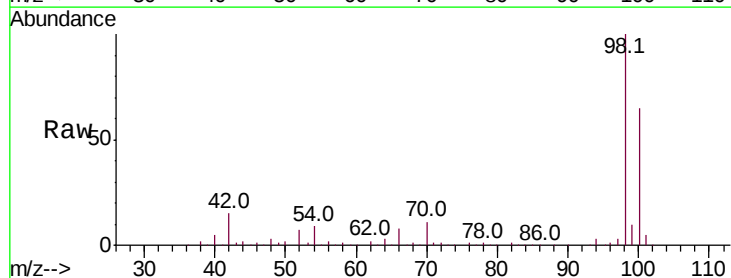
Manual Integrations
 APPROVED

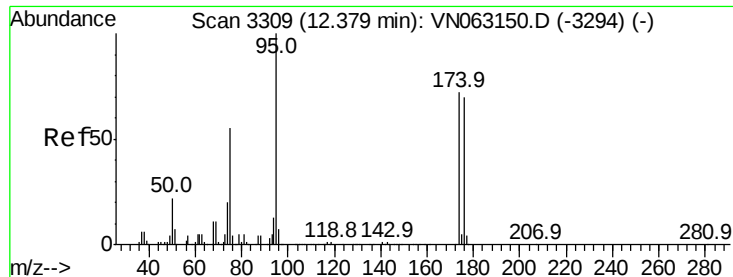
MMDadoda
 9/8/2020 1:33:43 PM



#50
 Toluene-d8
 Concen: 51.457 ug/l
 RT: 10.06 min Scan# 2588
 Delta R.T. 0.00 min
 Lab File: VN063248.D
 Acq: 4 Sep 2020 15:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0





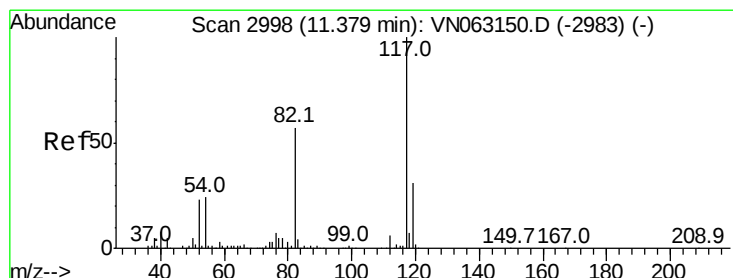
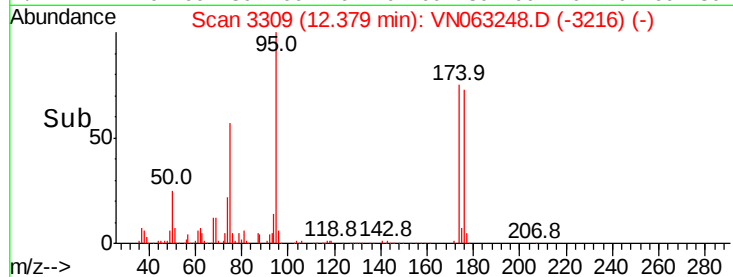
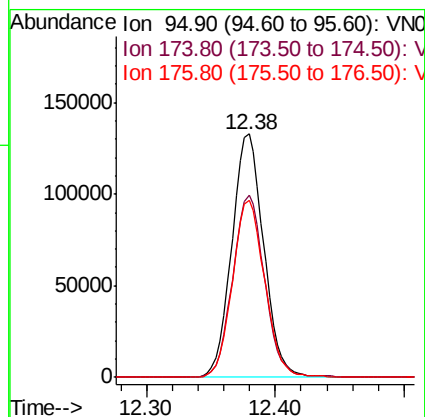
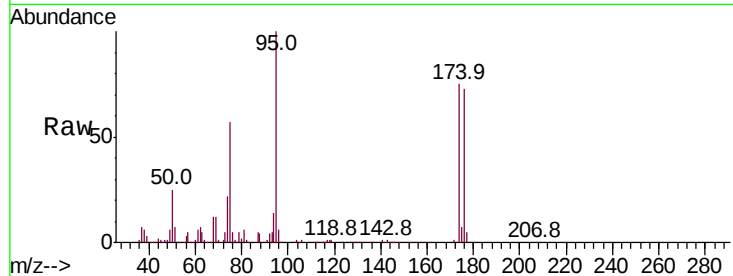
#62
4-Bromofluorobenzene
Concen: 49.938 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.00 min
Lab File: VN063248.D
Acq: 4 Sep 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
SA-PZ172I-20200902

Tot Ion	Ratio	Resp	Lower	Upper
95	100	228452		
174	75.0	0.0	143.8	
176	73.5	0.0	138.4	

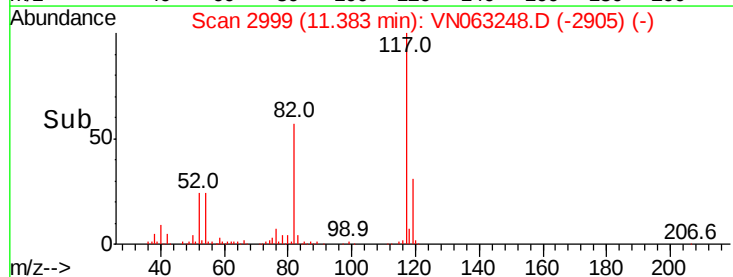
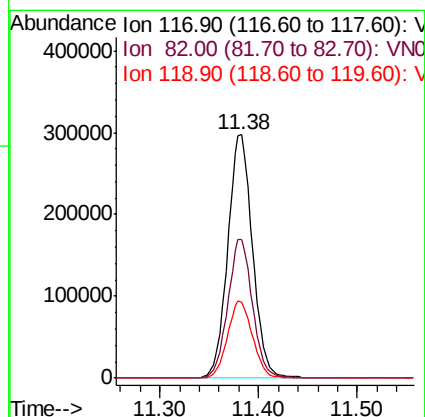
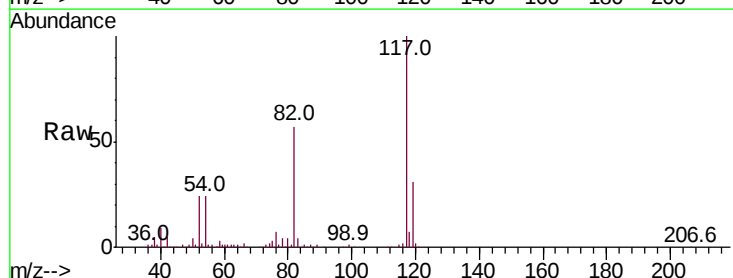
Manual Integrations
APPROVED

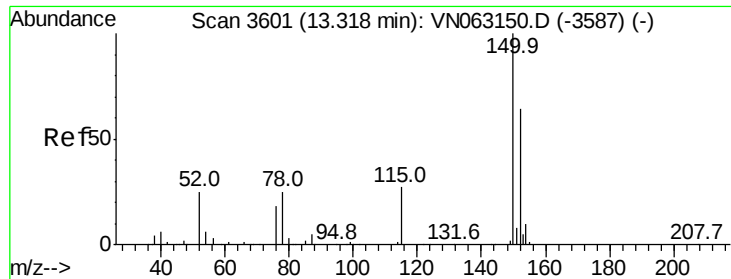
MMDadoda
9/8/2020 1:33:43 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063248.D
Acq: 4 Sep 2020 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	523441		
82	56.9	45.4	68.0	
119	31.3	24.6	37.0	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063248.D

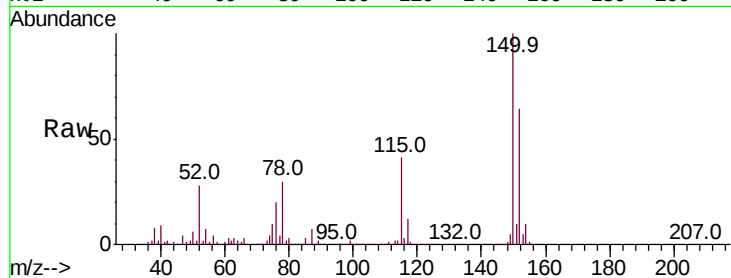
Acq: 4 Sep 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ172I-20200902



Tot Ion:152 Resp: 202516

Ion Ratio Lower Upper

152 100

115 62.8 32.0 96.2

150 160.0 0.0 353.0

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:33:43 PM

