

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091820\
 Data File : VN063463.D
 Acq On : 18 Sep 2020 17:25
 Operator : JC/MD
 Sample : L3871-23
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-08-091720

Quant Time: Sep 21 02:16:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

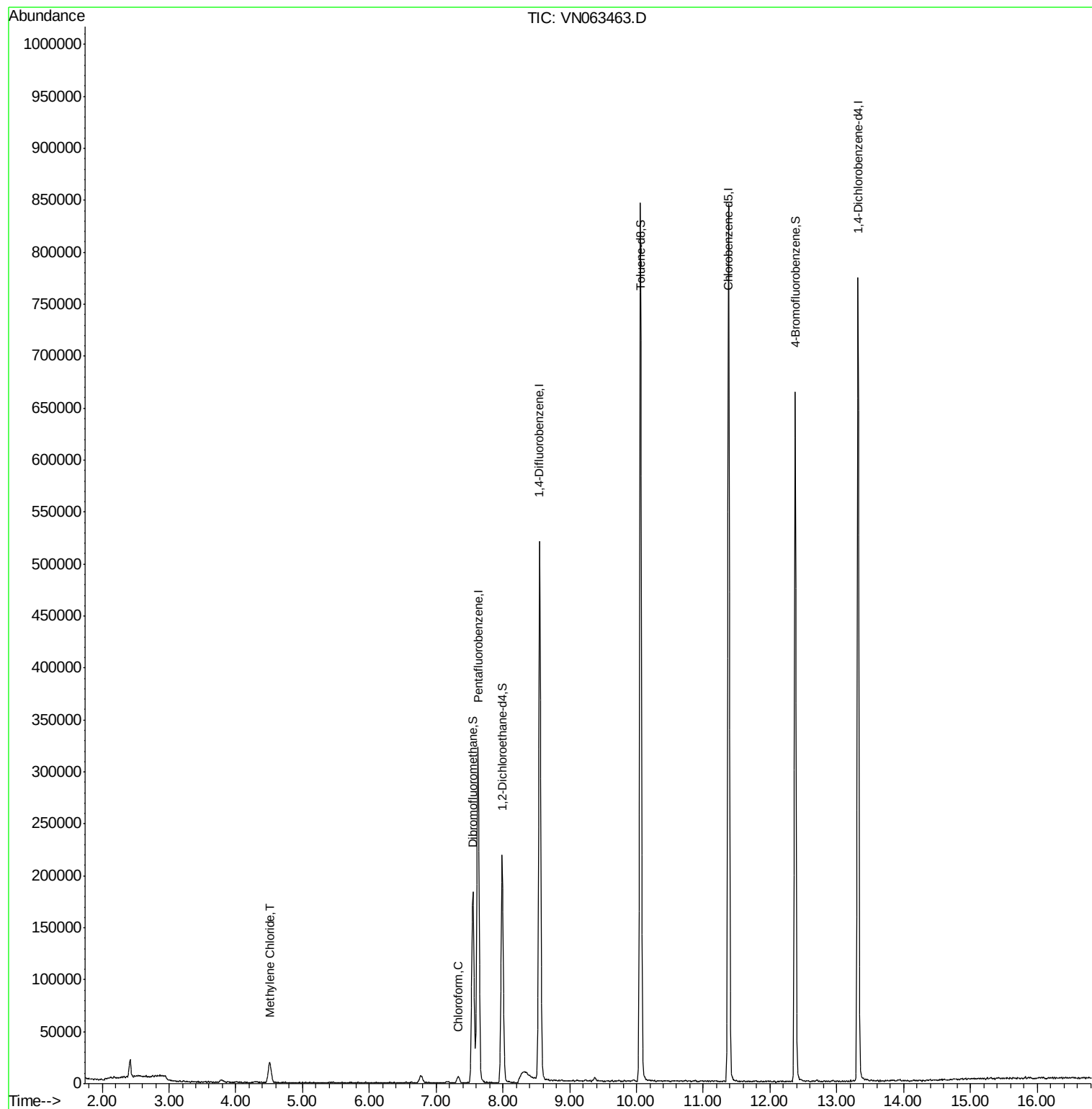
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	230616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	439244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	433553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184239	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	186616	47.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.08%	
35) Dibromofluoromethane	7.55	113	140028	46.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.10%	
50) Toluene-d8	10.06	98	560840	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.38	95	221324	52.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.60%	
Target Compounds						
20) Methylene Chloride	4.50	84	14235	4.453	ug/l	93
30) Chloroform	7.33	83	6139	1.068	ug/l	86

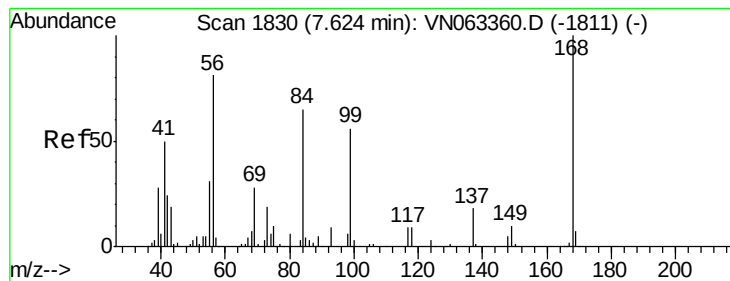
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 16 13:05:20 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: VN063463.D

Acq: 18 Sep 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

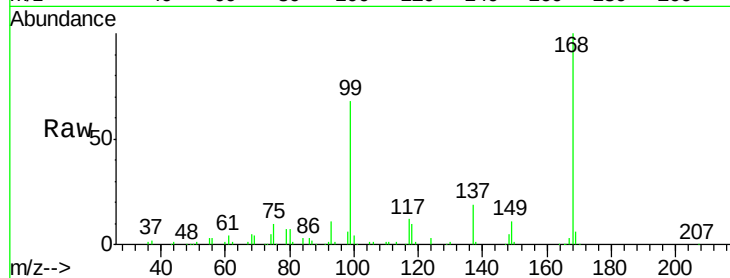
TR-08-091720

Tot Ion:168 Resp: 230616

Ion Ratio Lower Upper

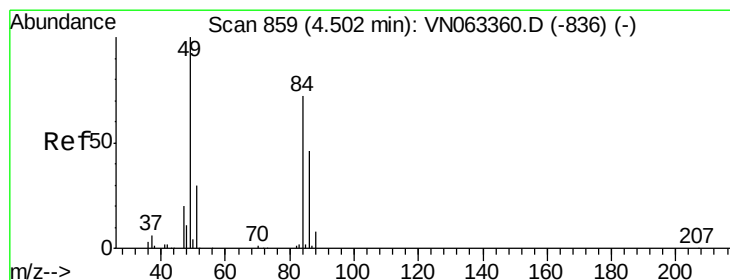
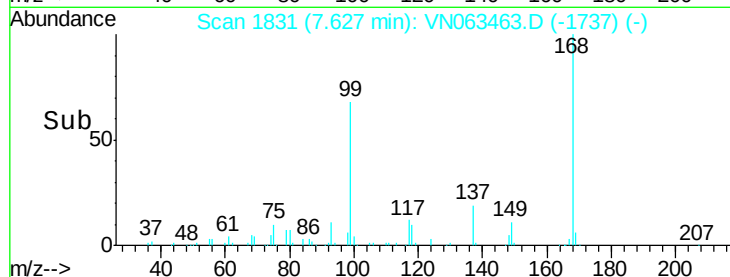
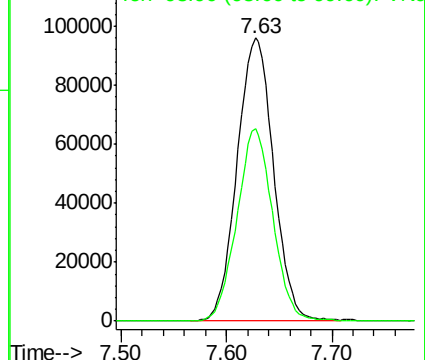
168 100

99 67.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#20

Methylene Chloride

Concen: 4.453 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

Tgt Ion: 84 Resp: 14235

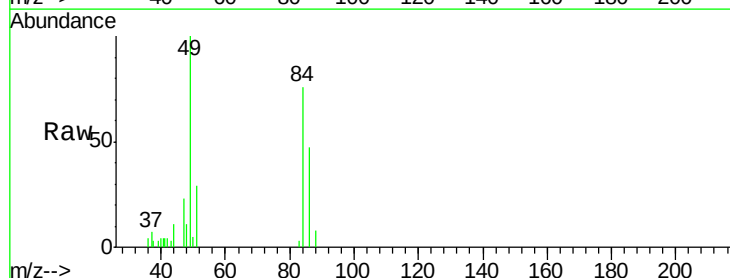
Ion Ratio Lower Upper

84 100

49 126.9 110.7 166.1

51 37.7 32.9 49.3

86 61.5 51.1 76.7

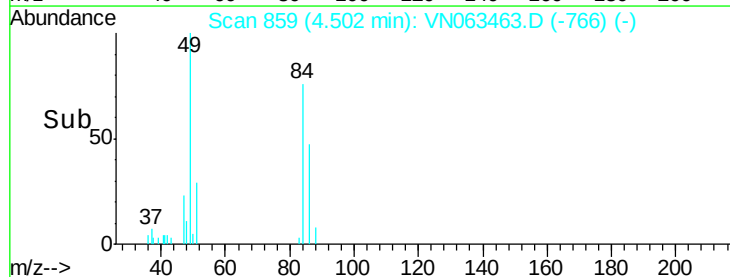
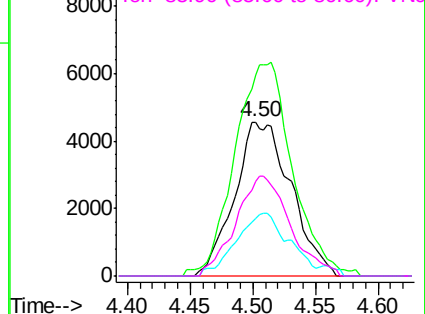


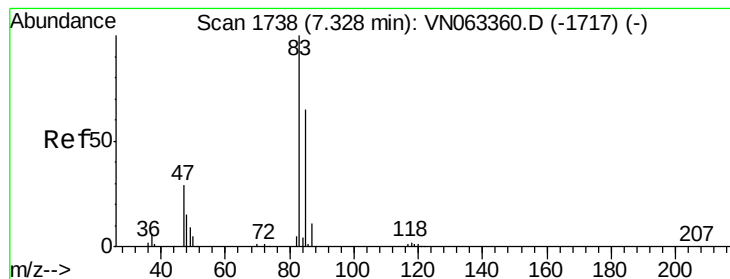
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#30

Chloroform

Concen: 1.068 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

Instrument :

MSVOA_N

ClientSampled :

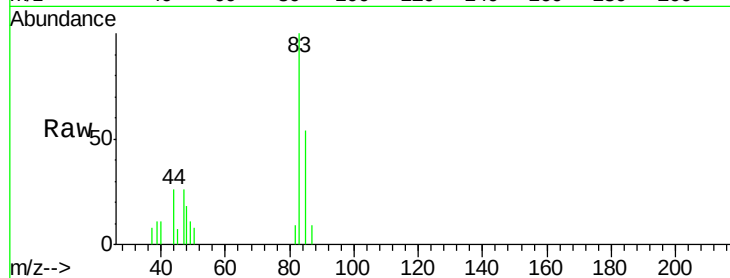
TR-08-091720

Tot Ion: 83 Resp: 6139

Ion Ratio Lower Upper

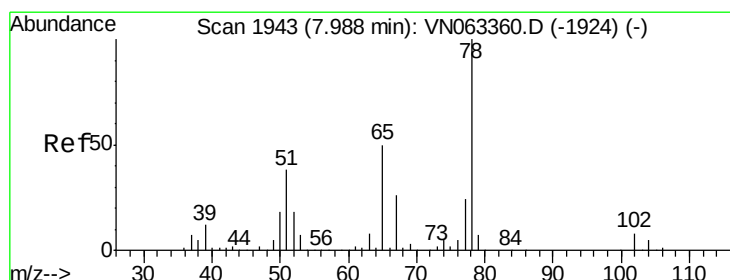
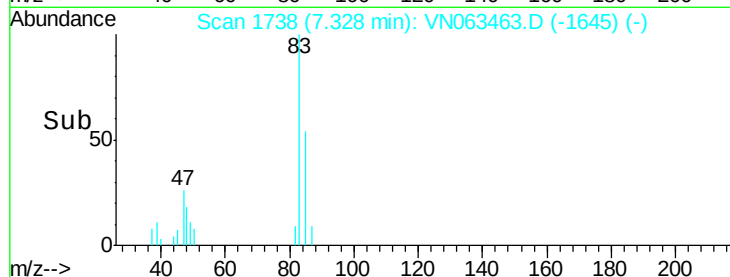
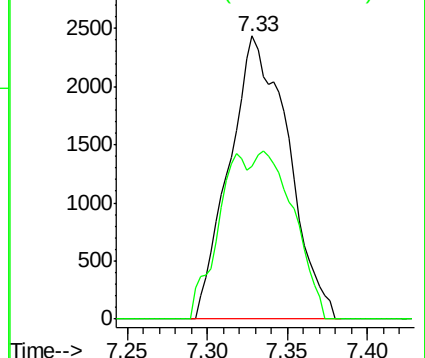
83 100

85 53.9 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.537 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063463.D

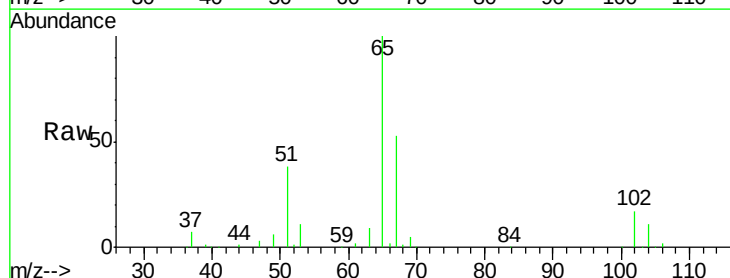
Acq: 18 Sep 2020 17:25

Tgt Ion: 65 Resp: 186616

Ion Ratio Lower Upper

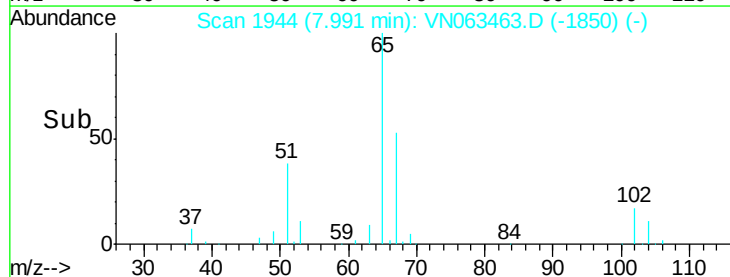
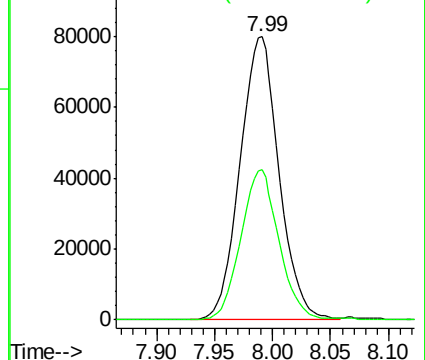
65 100

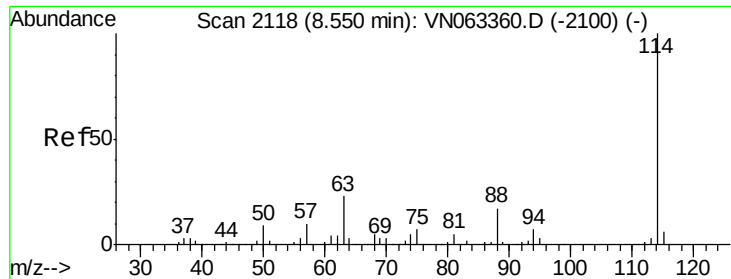
67 52.1 0.0 104.2



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: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

TR-08-091720

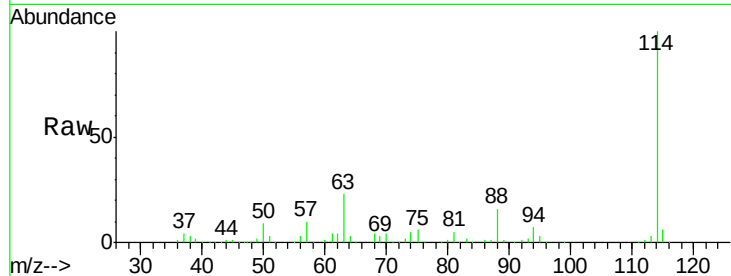
Tot Ion:114 Resp: 439244

Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.4

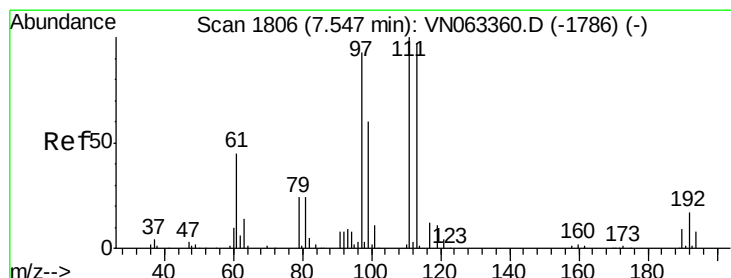
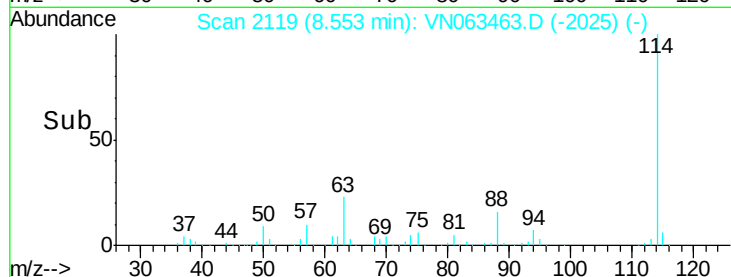
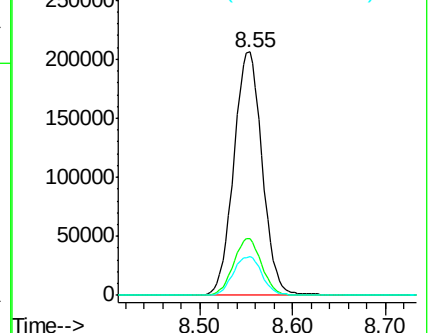
88 15.8 0.0 33.2



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: 46.050 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

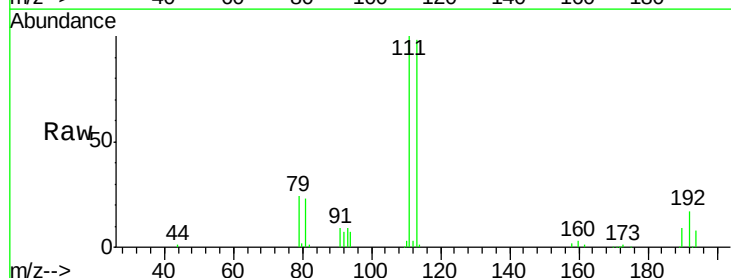
Tgt Ion:113 Resp: 140028

Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

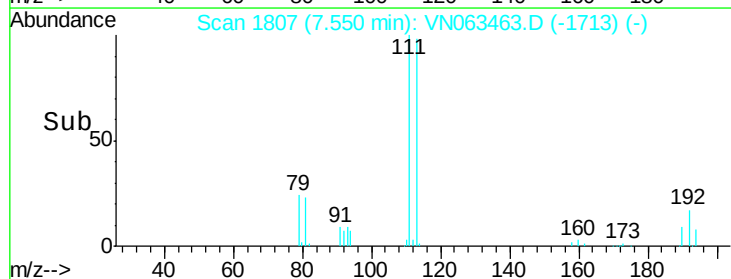
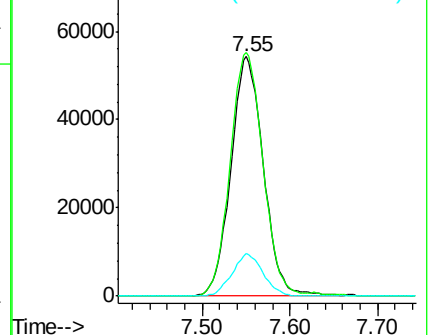
192 16.9 13.9 20.9

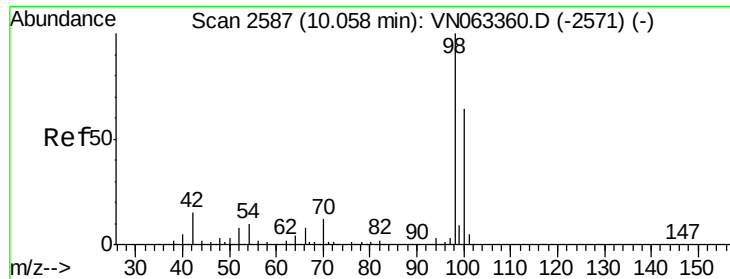


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.050 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

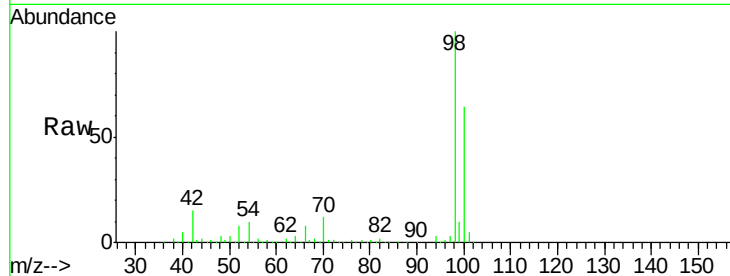
TR-08-091720

Tot Ion: 98 Resp: 560840

Ion Ratio Lower Upper

98 100

100 63.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)

10.06

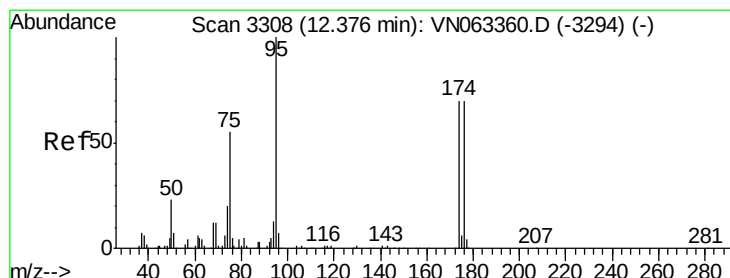
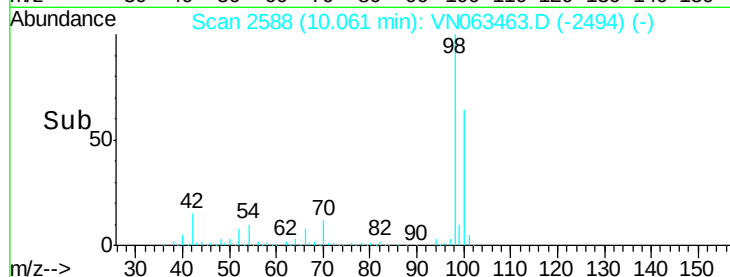
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.803 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

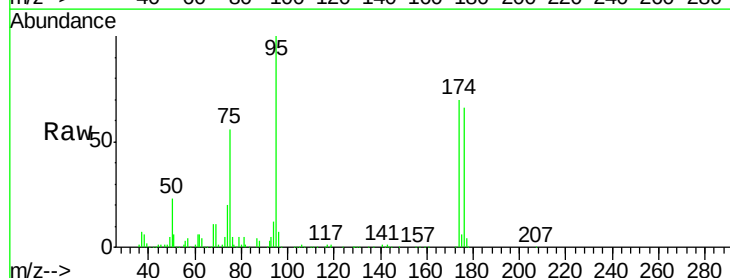
Tgt Ion: 95 Resp: 221324

Ion Ratio Lower Upper

95 100

174 71.6 0.0 140.8

176 68.7 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)

12.38

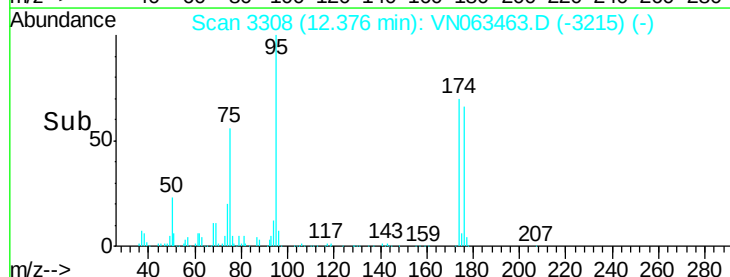
150000

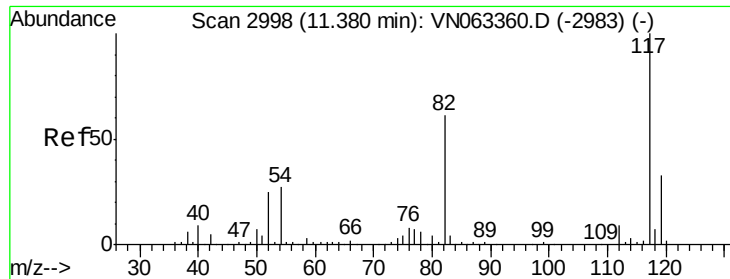
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

TR-08-091720

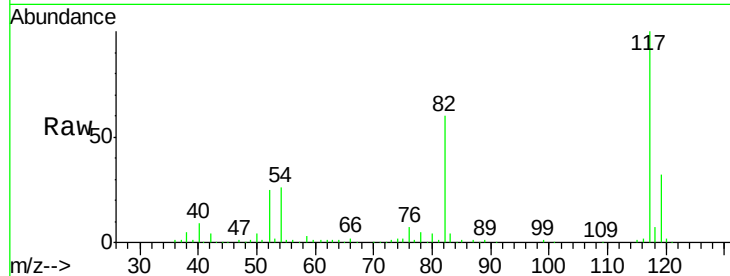
Tot Ion:117 Resp: 433553

Ion Ratio Lower Upper

117 100

82 60.2 49.2 73.8

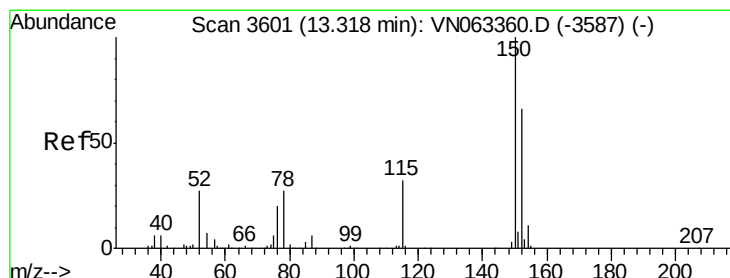
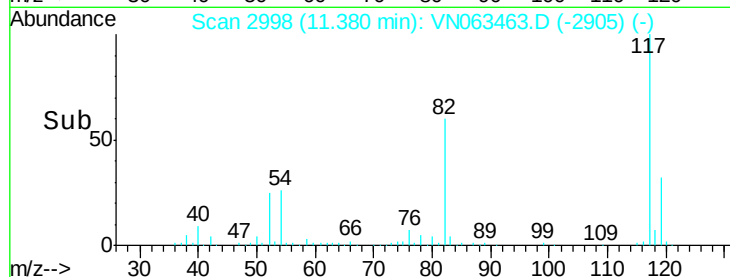
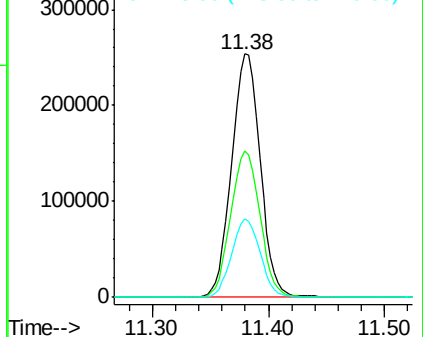
119 32.0 26.2 39.4



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: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063463.D

Acq: 18 Sep 2020 17:25

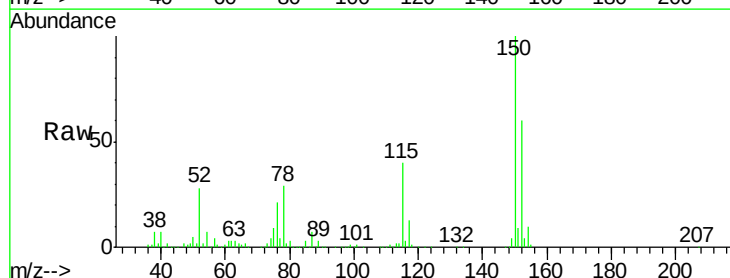
Tgt Ion:152 Resp: 184239

Ion Ratio Lower Upper

152 100

115 64.3 32.2 96.6

150 161.3 0.0 343.4



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

