

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091820\
 Data File : VN063454.D
 Acq On : 18 Sep 2020 13:50
 Operator : JC/MD
 Sample : PB131709ZHE#20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131709ZHE#20

Quant Time: Sep 21 01:57:22 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

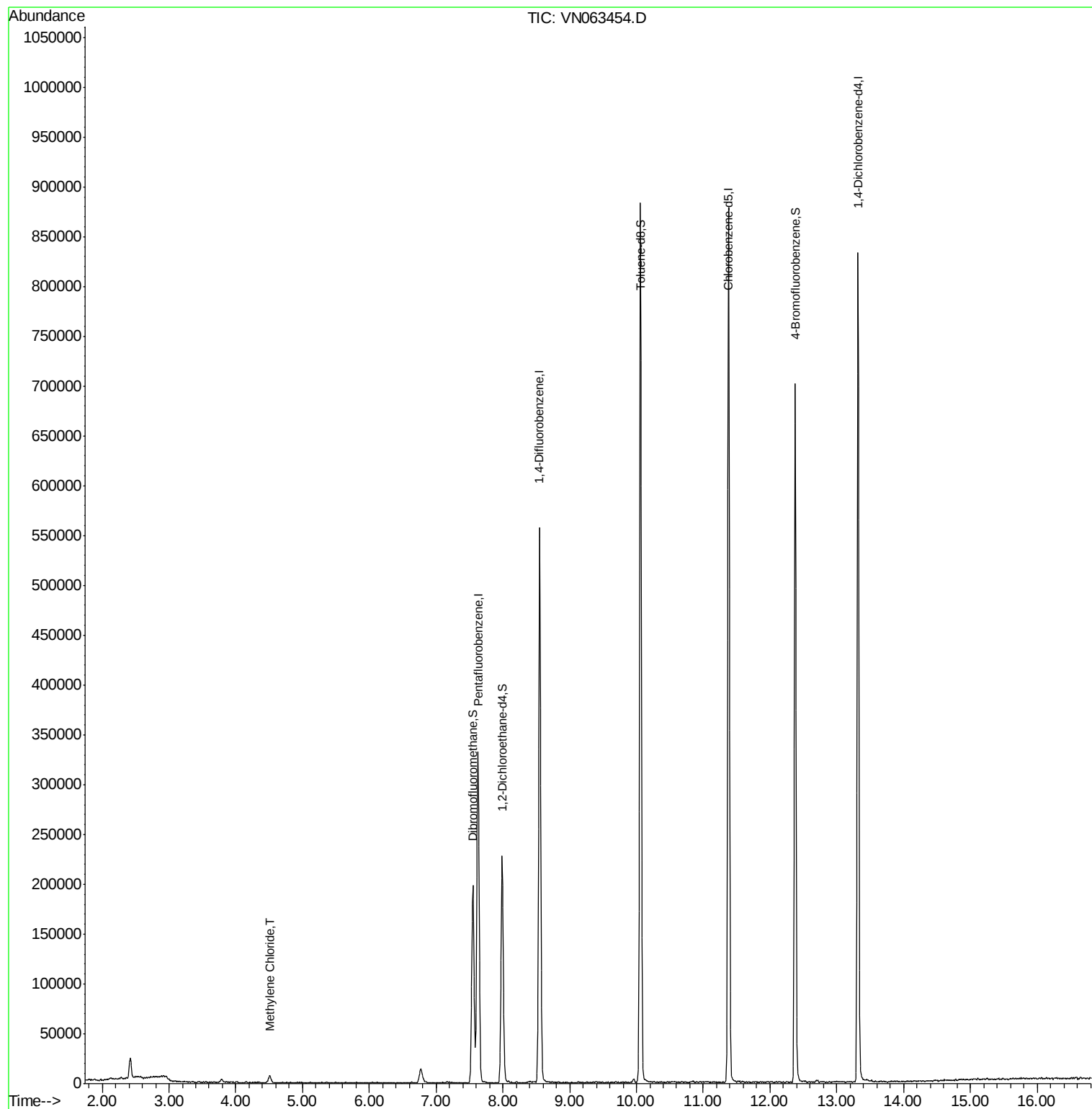
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	245938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	463036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	461399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	202026	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	200245	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
35) Dibromofluoromethane	7.55	113	148579	46.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.70%	
50) Toluene-d8	10.06	98	588820	48.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	12.38	95	239455	54.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.38%	
Target Compounds						
20) Methylene Chloride	4.51	84	4364	1.280	ug/l	Qvalue 96

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063454.D

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ClientSampleId :

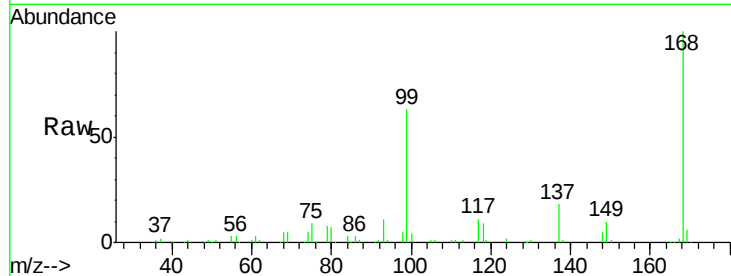
PB131709ZHE#20

Tot Ion:168 Resp: 245938

Ion Ratio Lower Upper

168 100

99 63.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

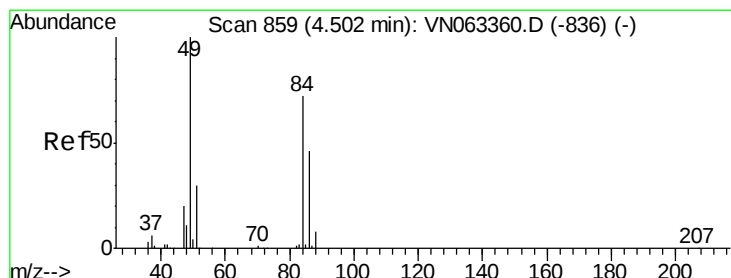
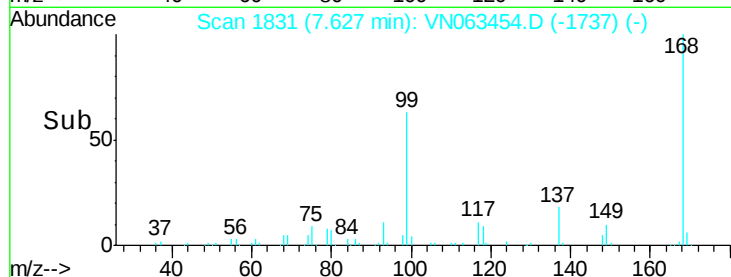
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 1.280 ug/l

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN063454.D

Acq: 18 Sep 2020 13:50

Tgt Ion: 84 Resp: 4364

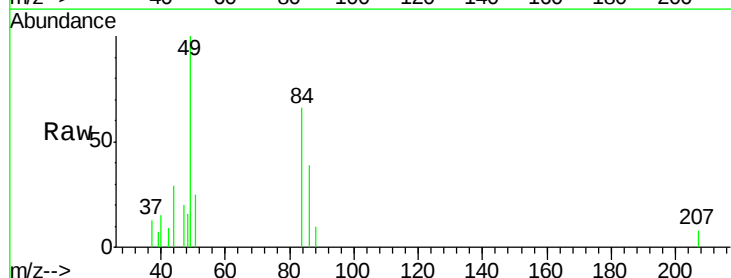
Ion Ratio Lower Upper

84 100

49 141.6 110.7 166.1

51 38.2 32.9 49.3

86 59.9 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

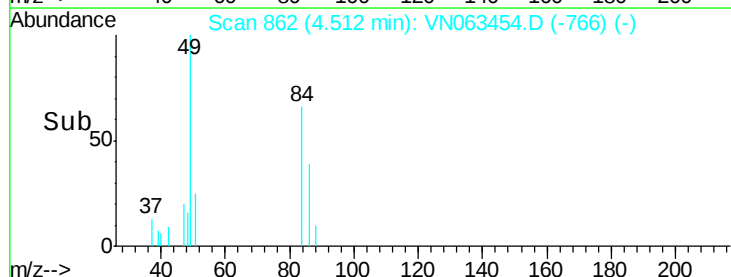
3000

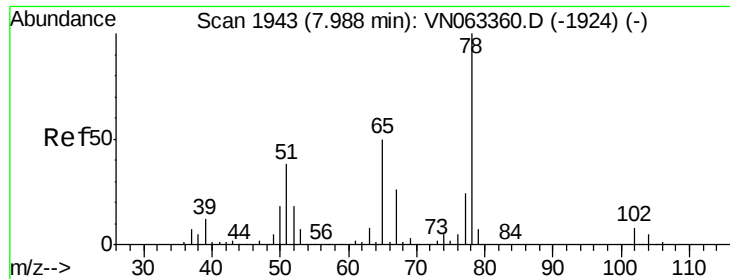
2000

1000

0

Time-->

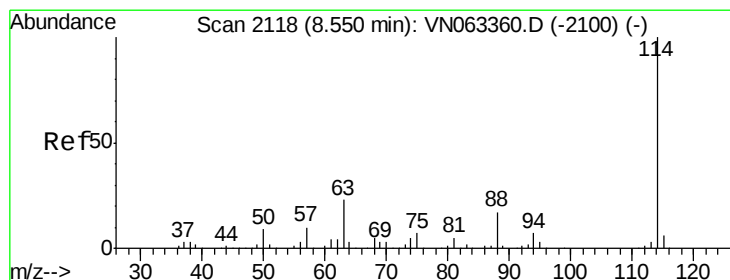
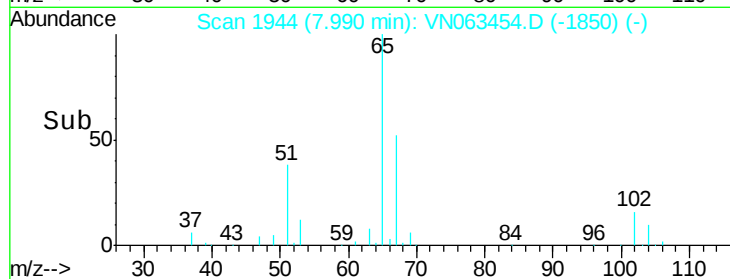
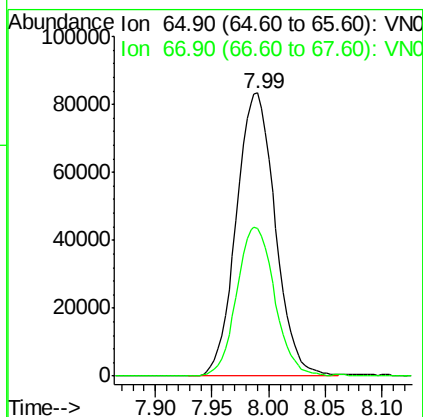
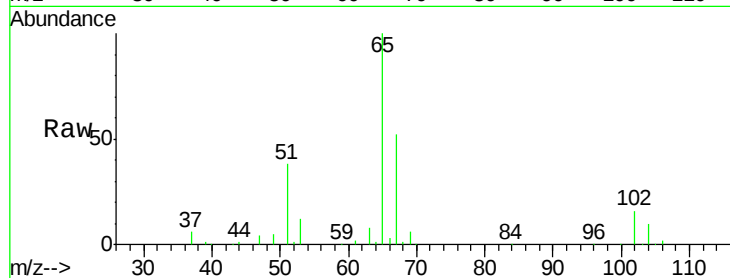




#33
 1,2-Dichloroethane-d4
 Concen: 47.831 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063454.D
 Acq: 18 Sep 2020 13:50

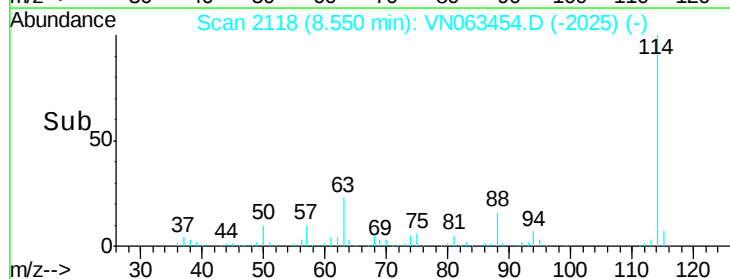
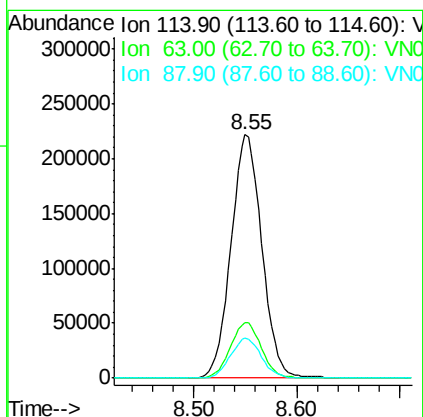
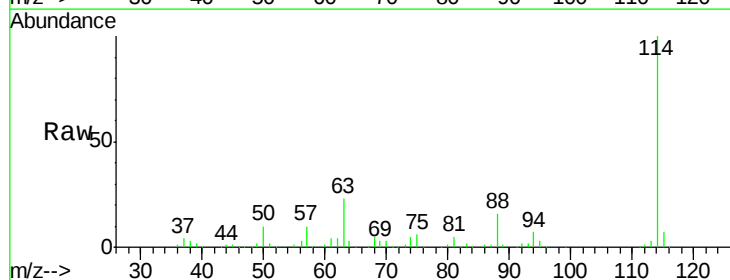
Instrument :
 MSVOA_N
 ClientSampleId :
 PB131709ZHE#20

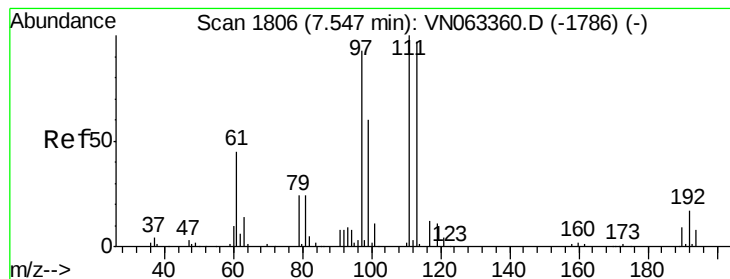
Tot Ion: 65 Resp: 200245
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063454.D
 Acq: 18 Sep 2020 13:50

Tgt Ion: 114 Resp: 463036
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.4
 88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.351 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063454.D

Acq: 18 Sep 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

PB131709ZHE#20

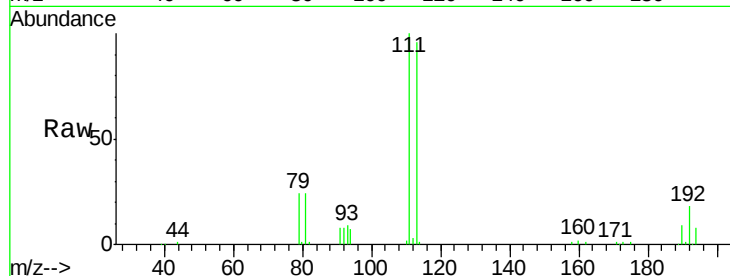
Tot Ion:113 Resp: 148579

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

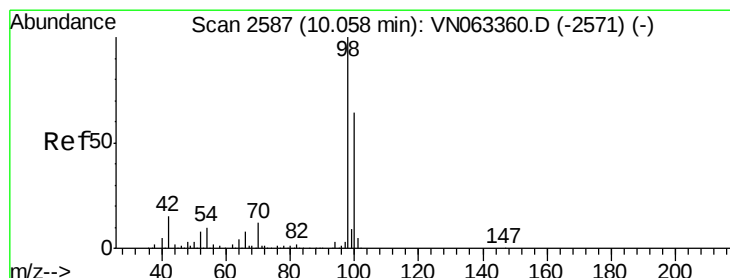
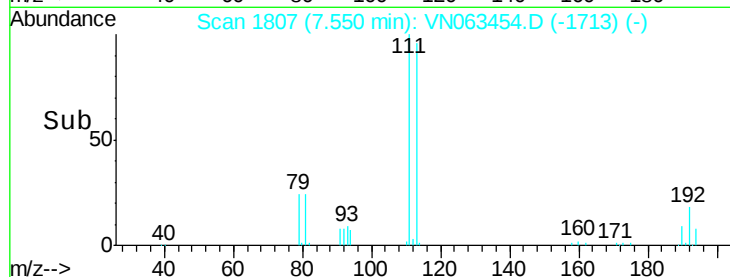
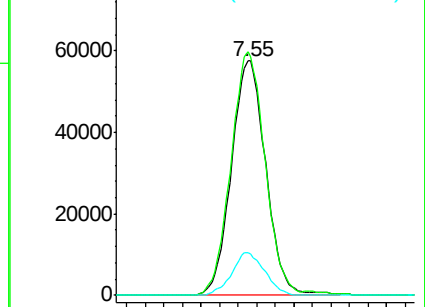
192 17.5 13.9 20.9



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: 48.851 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063454.D

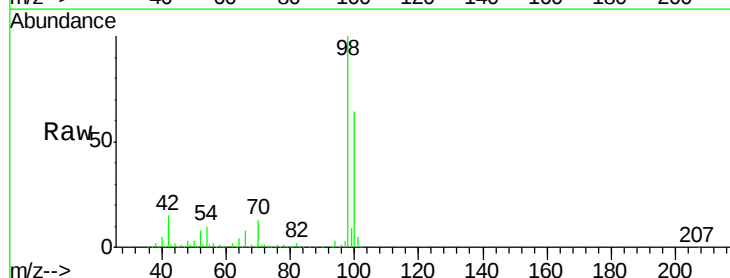
Acq: 18 Sep 2020 13:50

Tgt Ion: 98 Resp: 588820

Ion Ratio Lower Upper

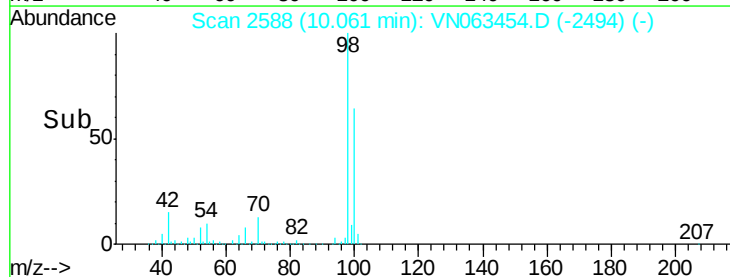
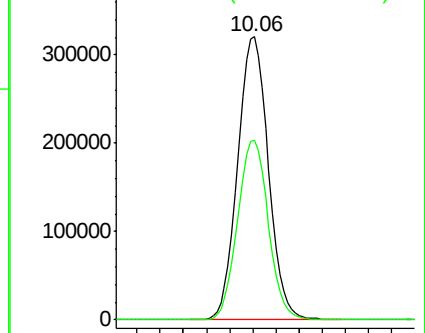
98 100

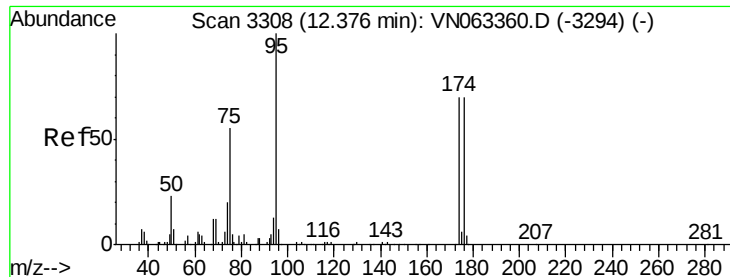
100 63.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

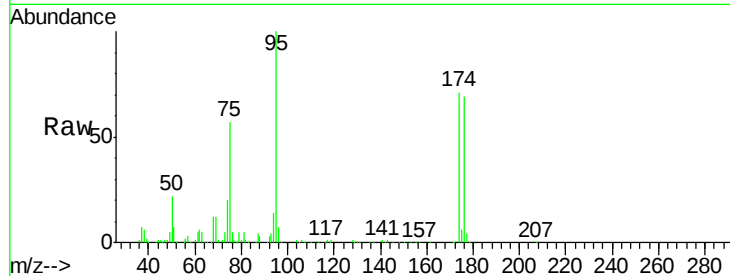




#62
4-Bromofluorobenzene
Concen: 54.194 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063454.D
Acq: 18 Sep 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
PB131709ZHE#20

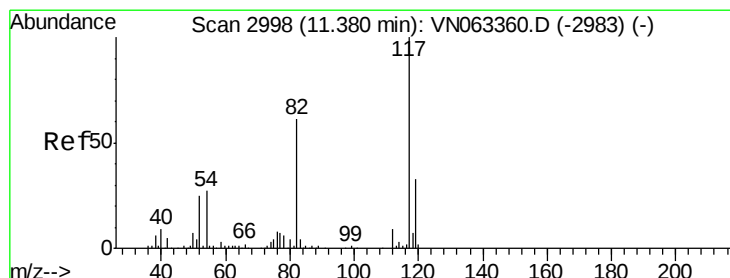
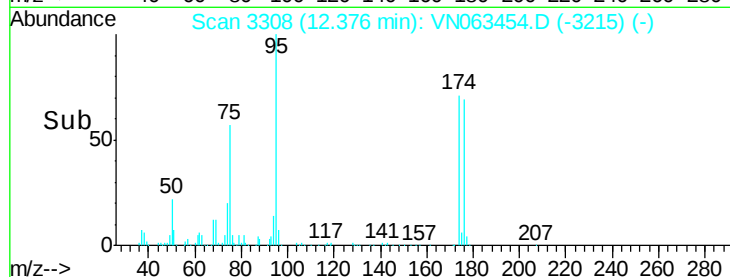
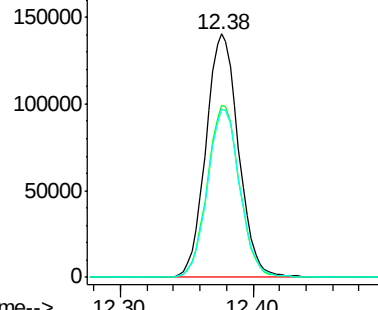
Tot Ion	95	Resp	239455
Ion Ratio	Lower	Upper	
95	100		
174	69.9	0.0	140.8
176	68.6	0.0	137.6



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

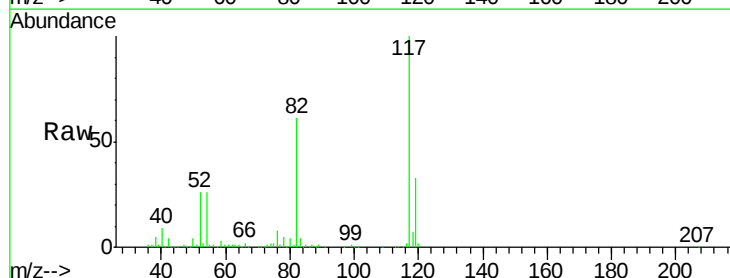
Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

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



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063454.D
Acq: 18 Sep 2020 13:50

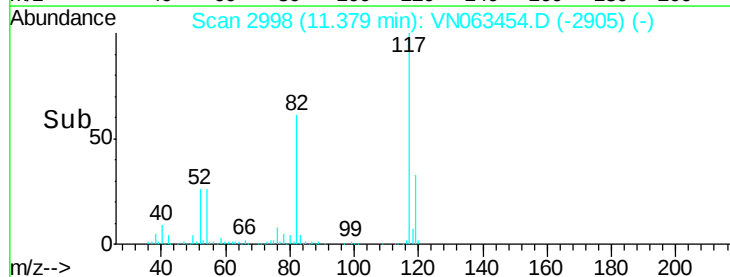
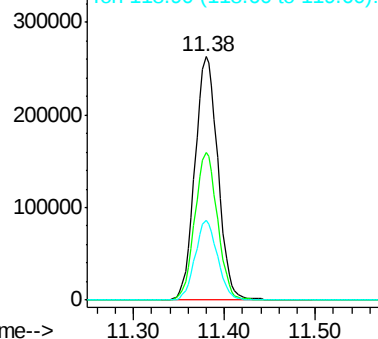
Tgt Ion	117	Resp	461399
Ion Ratio	Lower	Upper	
117	100		
82	60.9	49.2	73.8
119	32.6	26.2	39.4

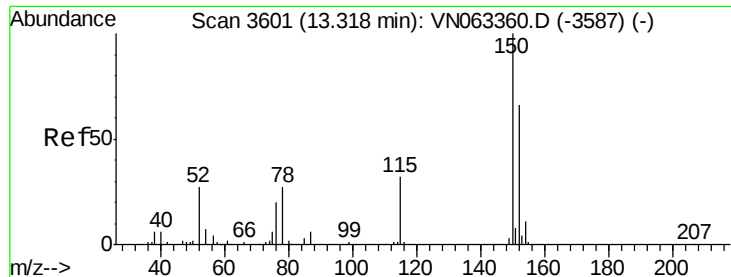


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063360.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063360.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063454.D

Acq: 18 Sep 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

PB131709ZHE#20

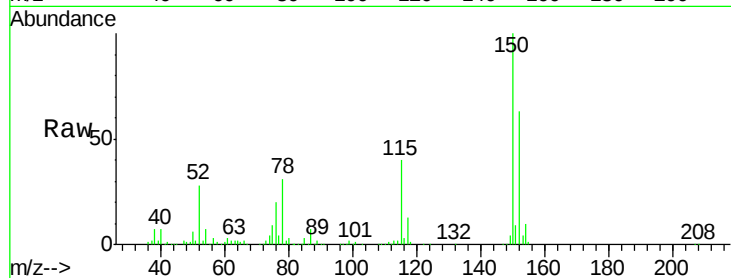
Tot Ion:152 Resp: 202026

Ion Ratio Lower Upper

152 100

115 63.0 32.2 96.6

150 159.4 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

