

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064790.D
 Acq On : 23 Nov 2020 17:58
 Operator : JC/MD
 Sample : L4829-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Quant Time: Nov 24 04:01:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	154208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	271986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	284599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	123361	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	97138	54.18	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	108.36%	
35) Dibromofluoromethane	7.55	113	86368	53.07	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	106.14%	
50) Toluene-d8	10.06	98	339880	51.11	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.38	95	130704	54.92	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	109.84%	

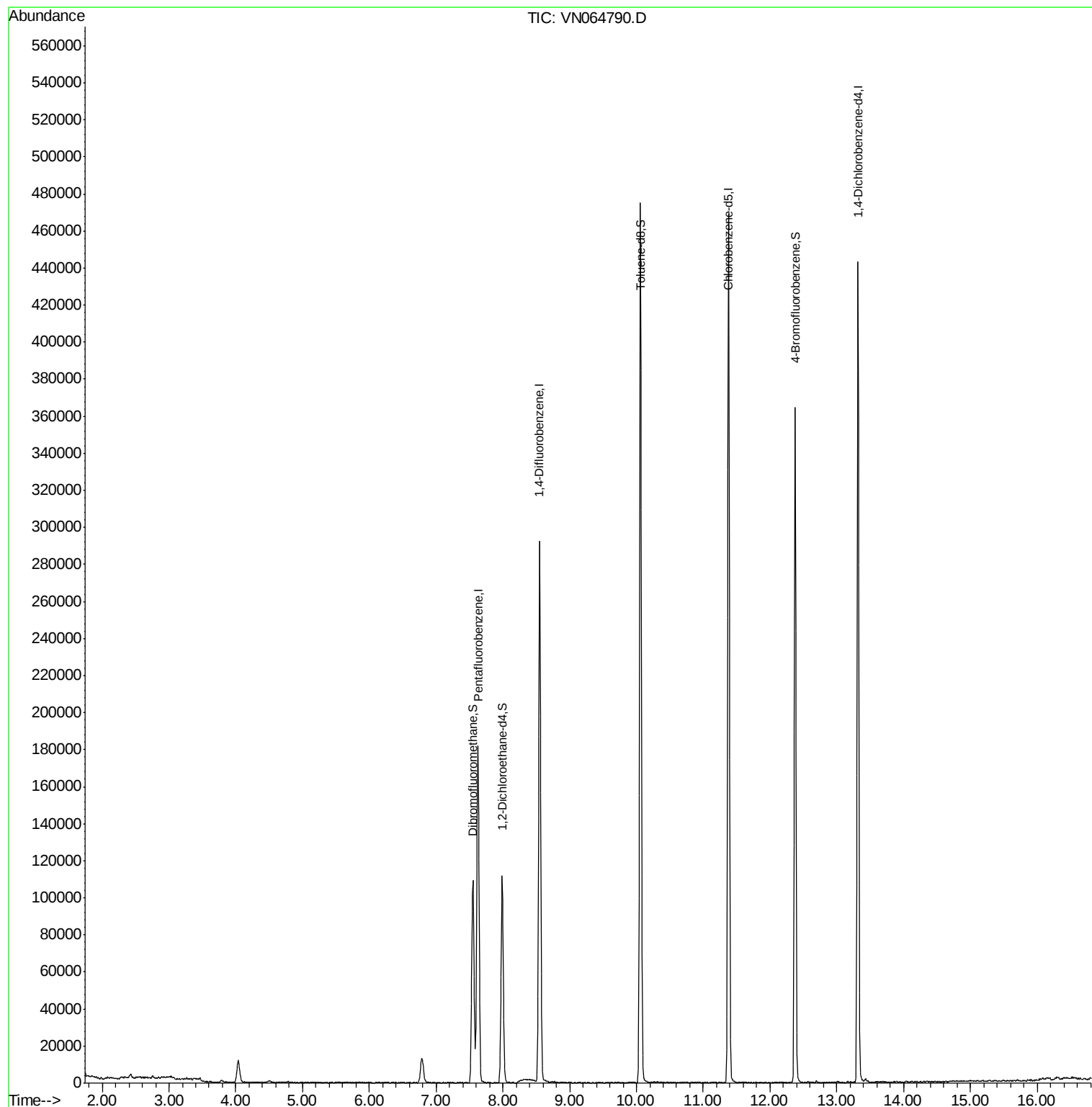
Target Compounds	Qvalue

(#) = 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: VN064790.D

Acq: 23 Nov 2020 17:58

Instrument :

MSVOA_N

ClientSampled :

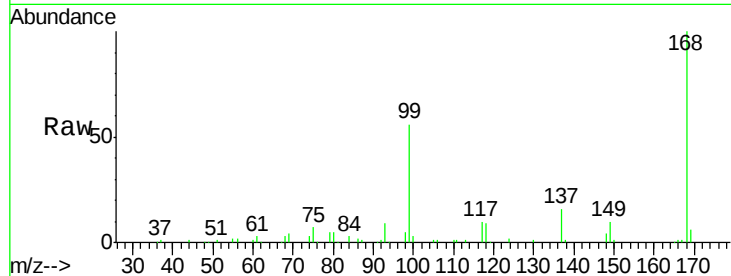
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Tot Ion:168 Resp: 154208

Ion Ratio Lower Upper

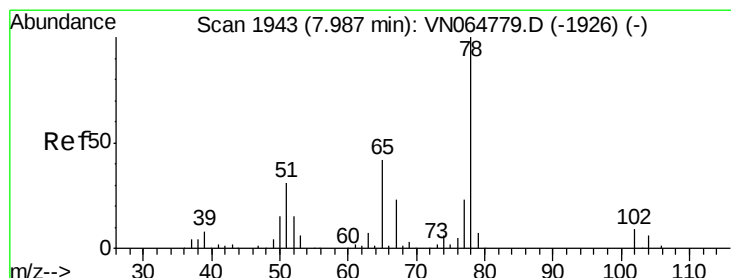
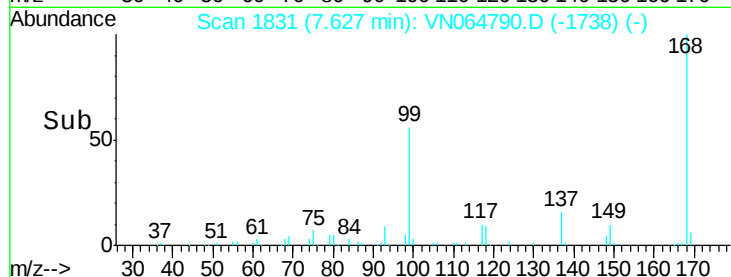
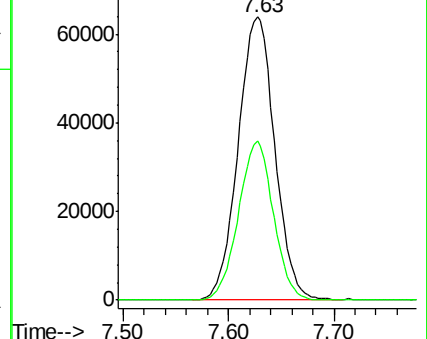
168 100

99 56.1 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.183 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064790.D

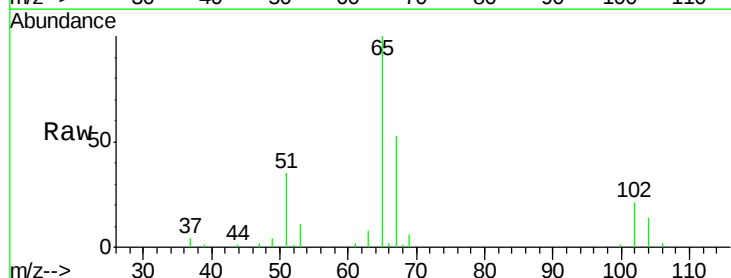
Acq: 23 Nov 2020 17:58

Tgt Ion: 65 Resp: 97138

Ion Ratio Lower Upper

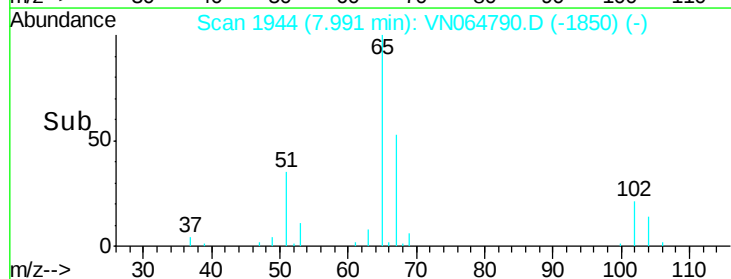
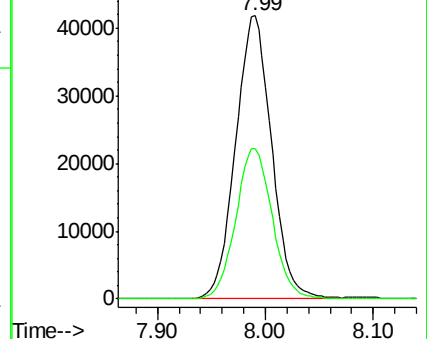
65 100

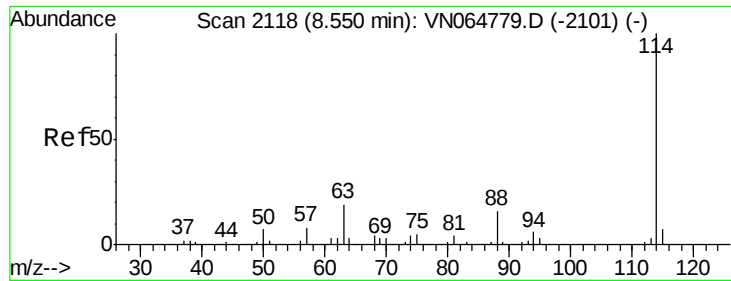
67 53.8 0.0 108.2



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# 2118

Delta R.T. 0.00 min

Lab File: VN064790.D

Acq: 23 Nov 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

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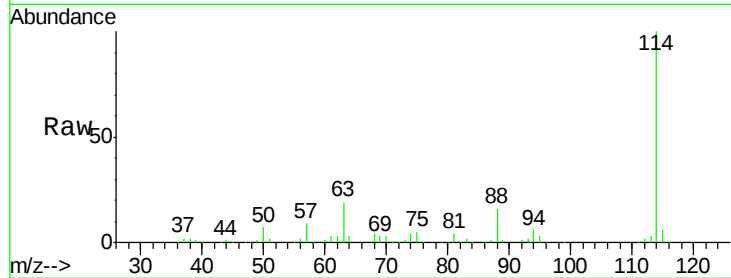
Tot Ion:114 Resp: 271986

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

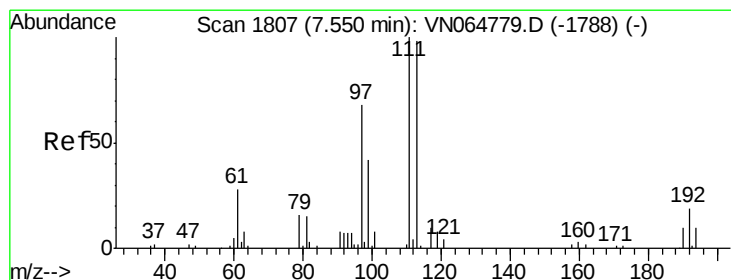
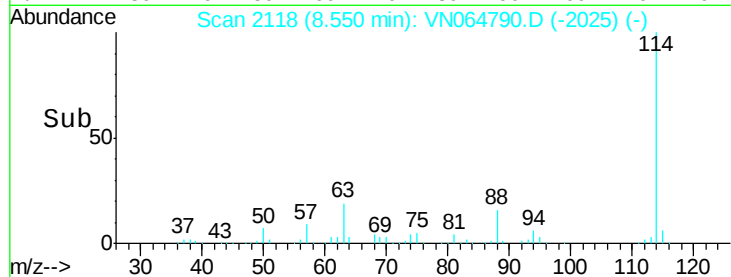
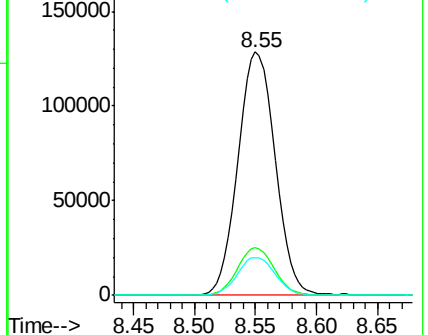
88 15.7 0.0 32.6



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: 53.069 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064790.D

Acq: 23 Nov 2020 17:58

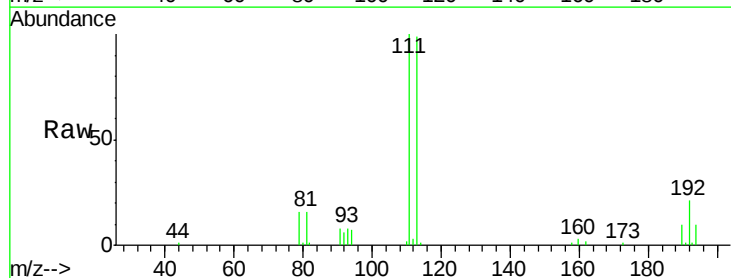
Tgt Ion:113 Resp: 86368

Ion Ratio Lower Upper

113 100

111 101.5 81.6 122.4

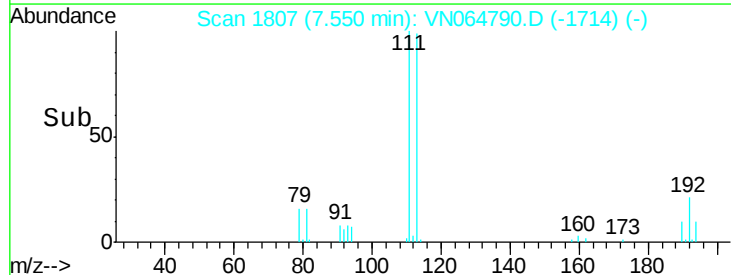
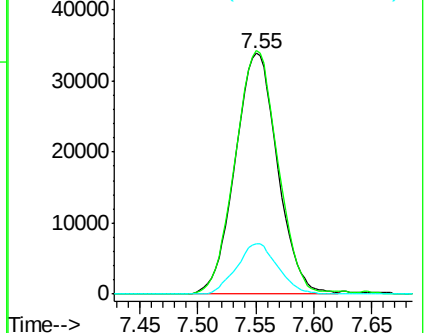
192 20.2 16.2 24.2

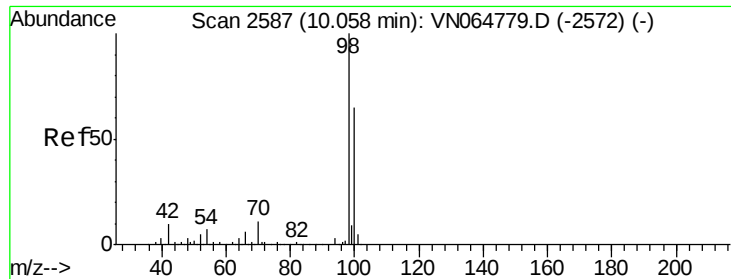


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.112 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064790.D

Acq: 23 Nov 2020 17:58

Instrument :

MSVOA_N

ClientSampled :

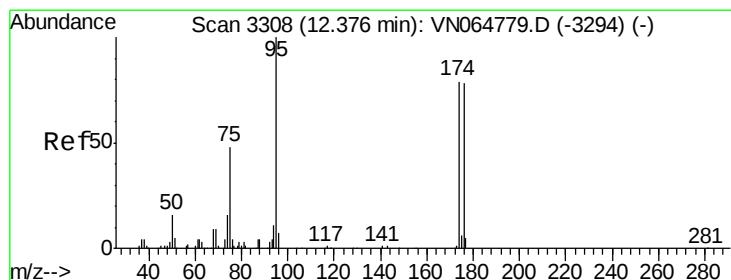
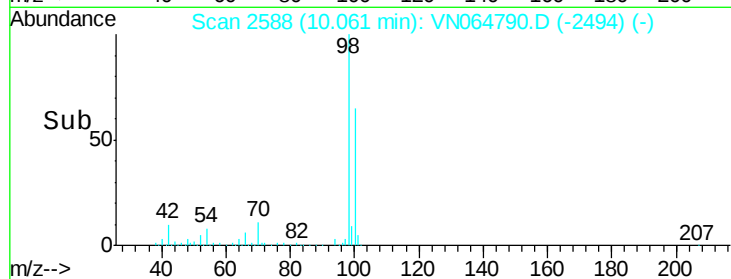
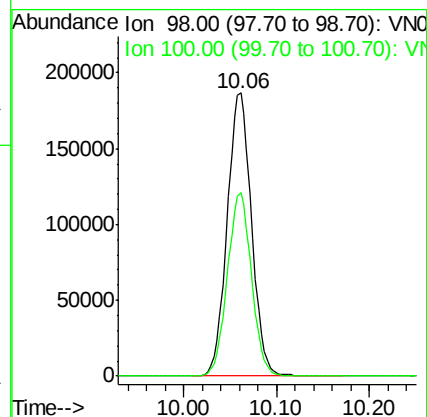
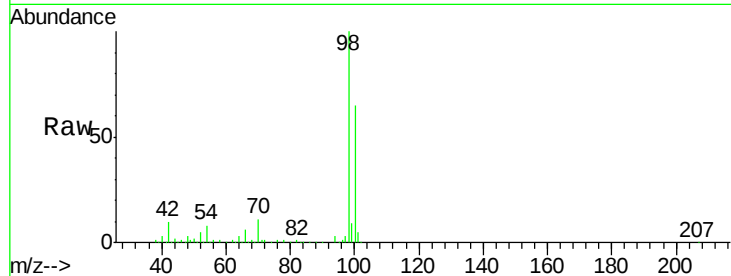
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Tot Ion: 98 Resp: 339880

Ion Ratio Lower Upper

98 100

100 64.1 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 54.922 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064790.D

Acq: 23 Nov 2020 17:58

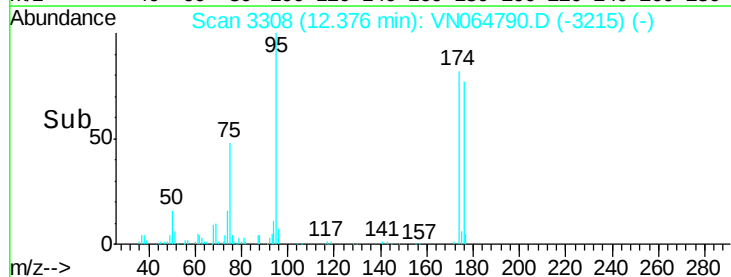
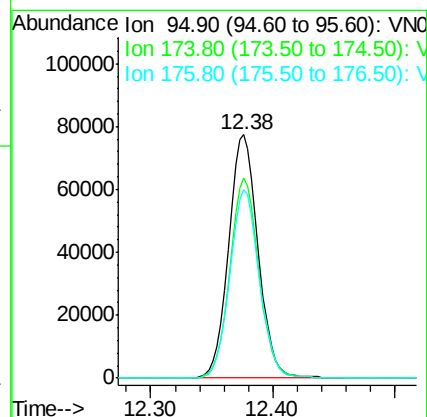
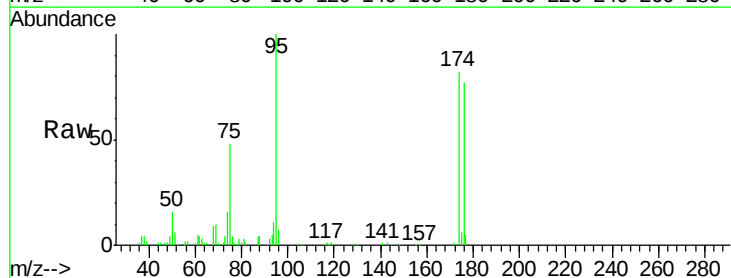
Tgt Ion: 95 Resp: 130704

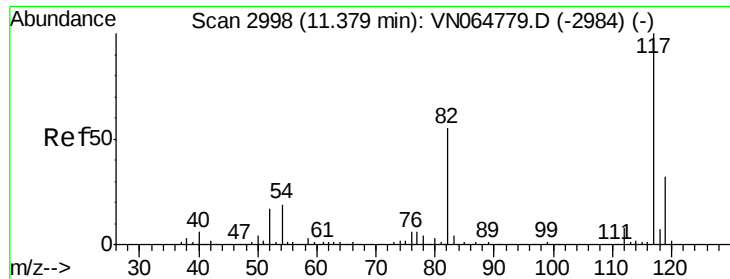
Ion Ratio Lower Upper

95 100

174 81.2 0.0 160.4

176 77.6 0.0 158.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064790.D

Acq: 23 Nov 2020 17:58

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

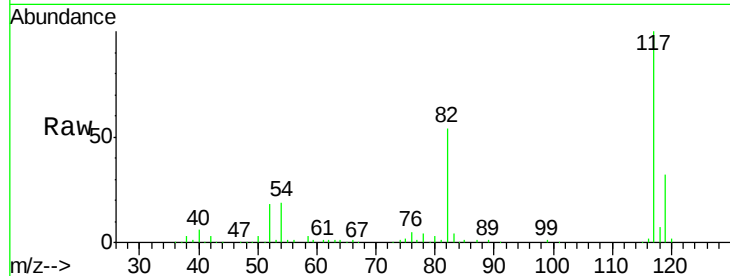
Tot Ion:117 Resp: 284599

Ion Ratio Lower Upper

117 100

82 54.4 44.2 66.2

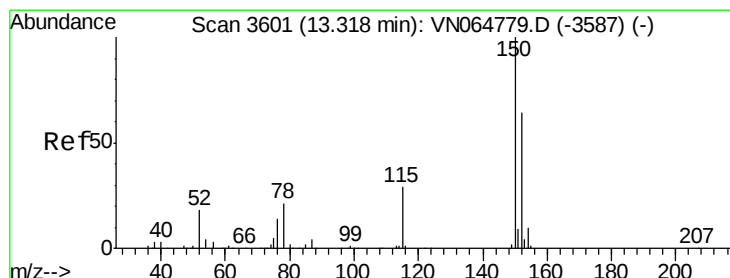
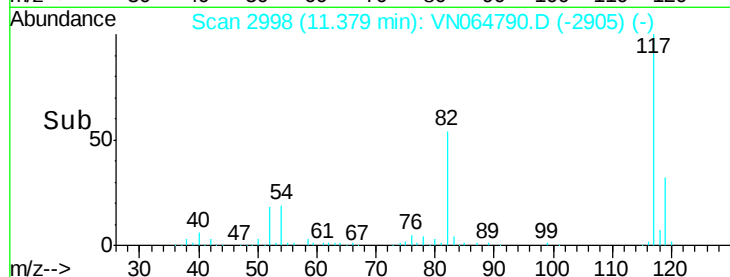
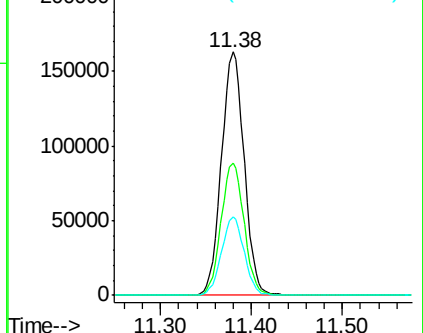
119 32.2 25.8 38.6



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: VN064790.D

Acq: 23 Nov 2020 17:58

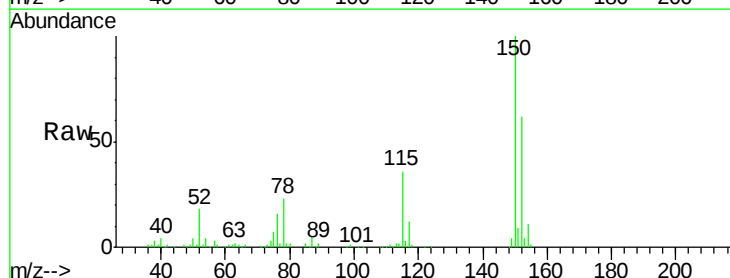
Tgt Ion:152 Resp: 123361

Ion Ratio Lower Upper

152 100

115 59.1 29.7 89.1

150 159.4 0.0 350.6



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

