

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056406.D
 Acq On : 20 Jun 2019 16:36
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Jun 21 05:28:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	373889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	631372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	612815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177452	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	209586	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
35) Dibromofluoromethane	7.59	113	180316	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	
50) Toluene-d8	10.09	98	778216	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.40	95	247742	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

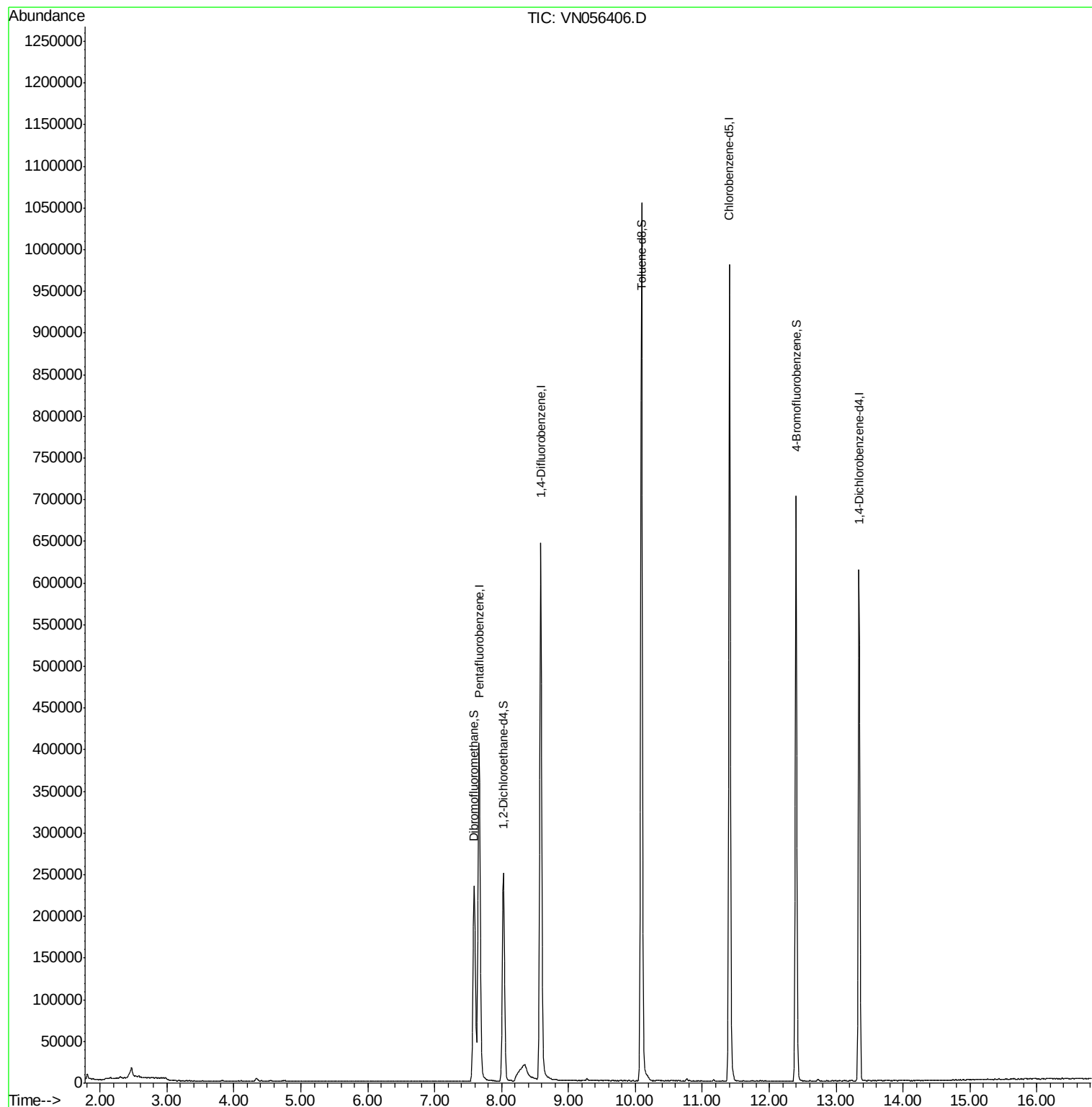
Target Compounds	Qvalue

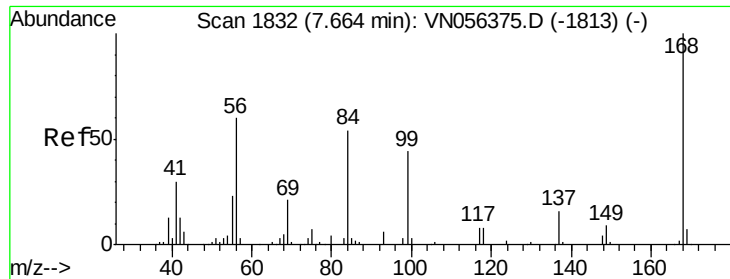
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056406.D

Acq: 20 Jun 2019 16:36

Instrument :

MSVOA_N

ClientSampled :

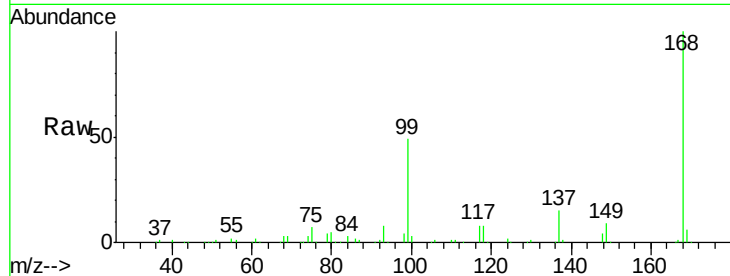
I.BLK

Tot Ion:168 Resp: 373889

Ion Ratio Lower Upper

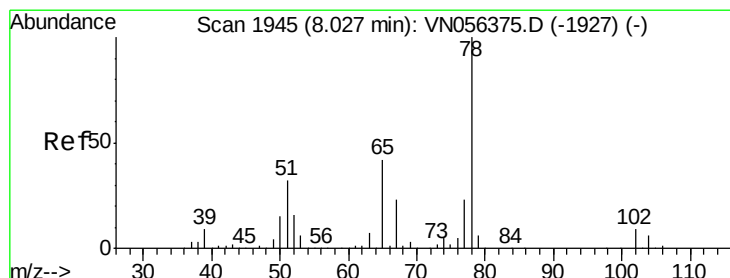
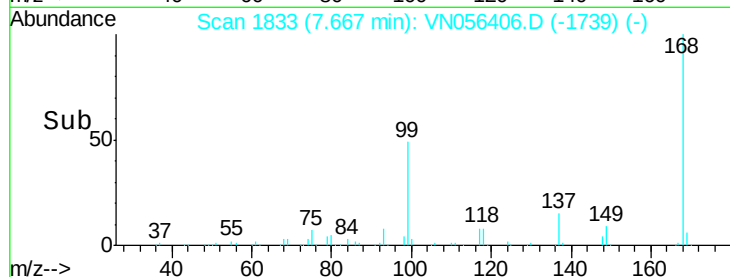
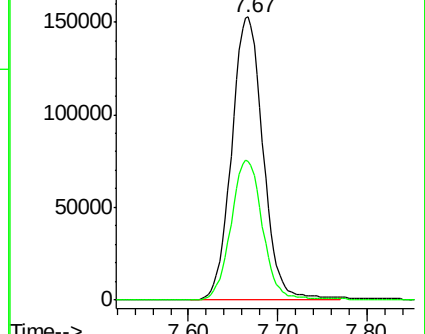
168 100

99 49.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 50.578 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056406.D

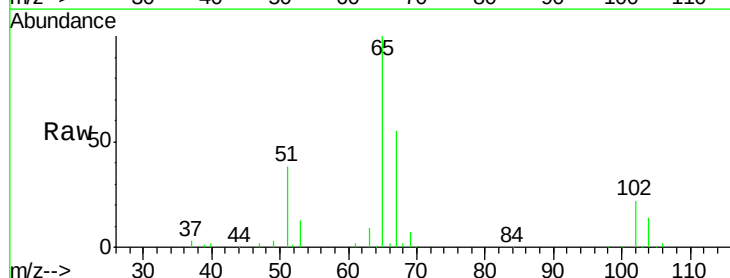
Acq: 20 Jun 2019 16:36

Tgt Ion: 65 Resp: 209586

Ion Ratio Lower Upper

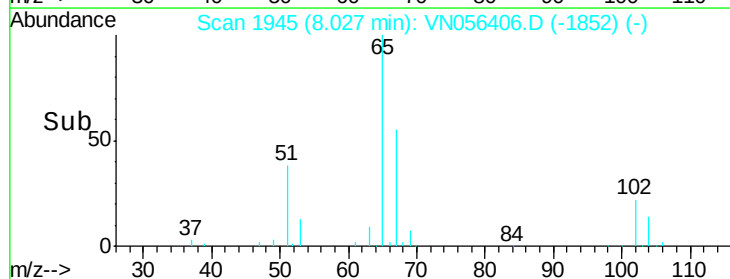
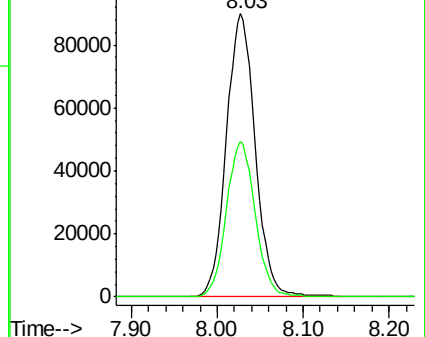
65 100

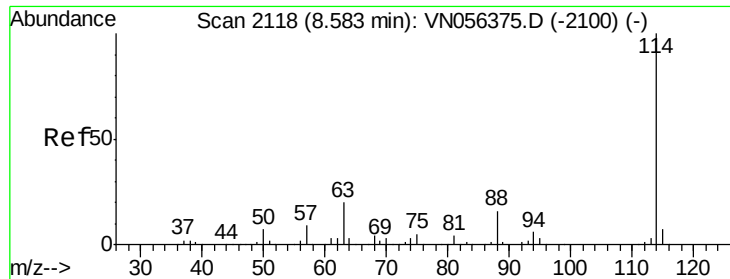
67 54.6 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056406.D

Acq: 20 Jun 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

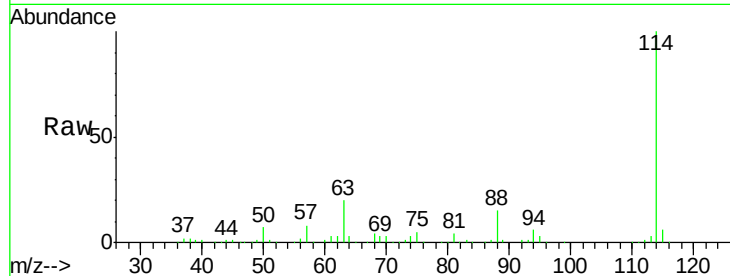
Tot Ion:114 Resp: 631372

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

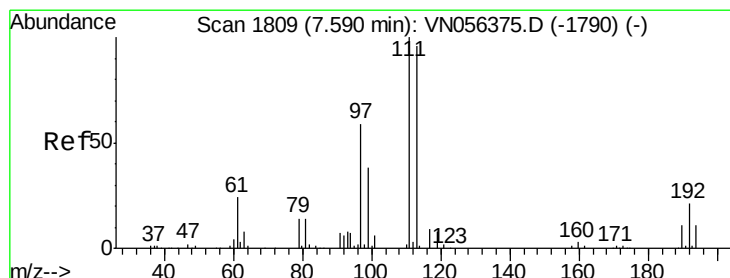
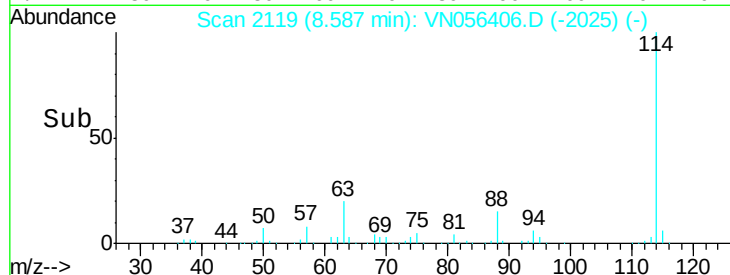
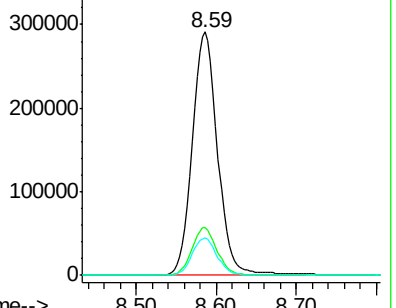
88 15.4 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 45.780 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056406.D

Acq: 20 Jun 2019 16:36

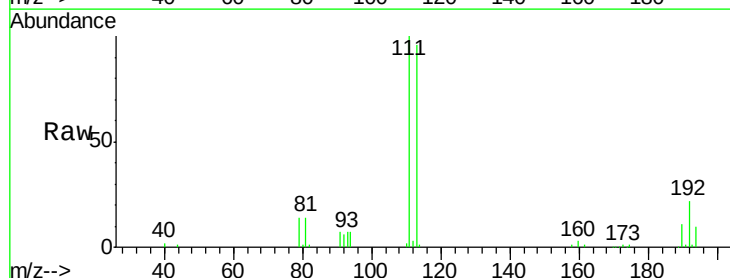
Tgt Ion:113 Resp: 180316

Ion Ratio Lower Upper

113 100

111 103.4 82.9 124.3

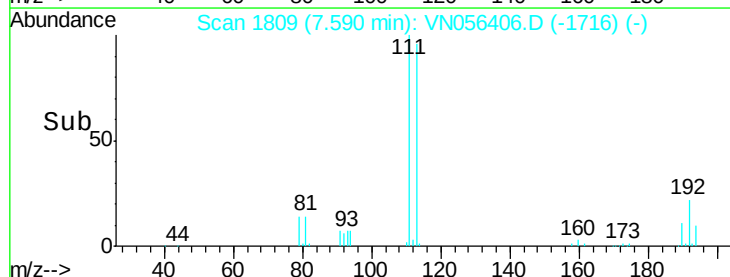
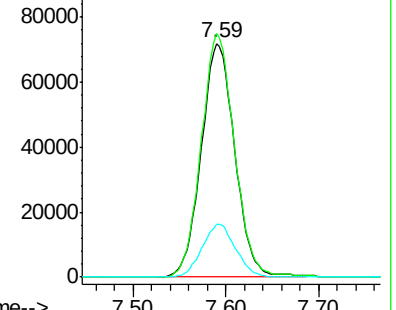
192 22.7 17.7 26.5

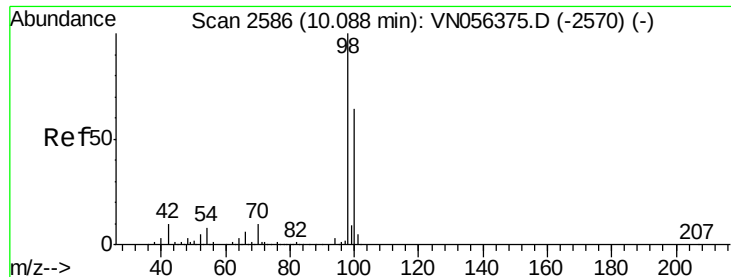


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.778 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056406.D

Acq: 20 Jun 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

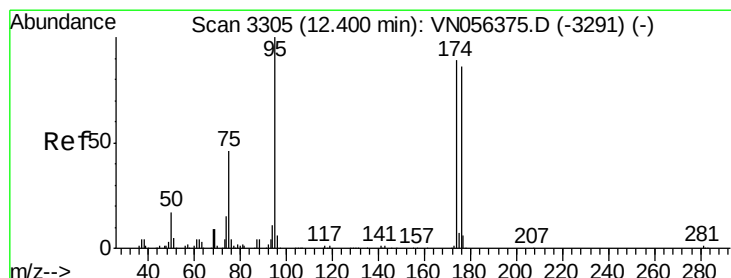
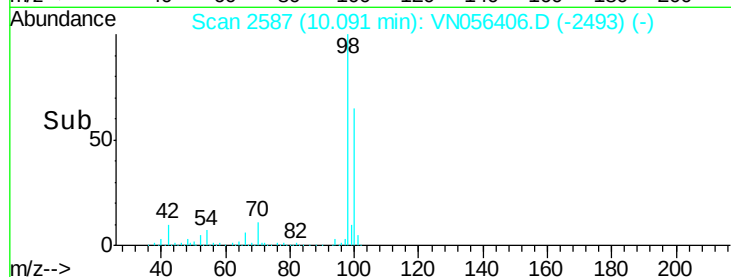
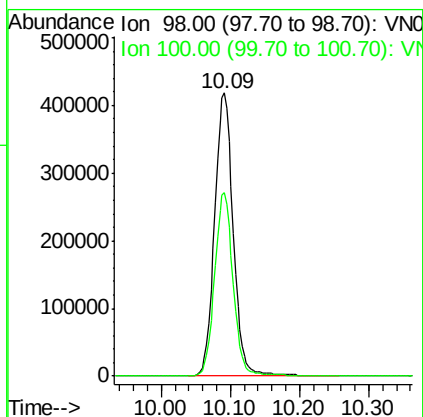
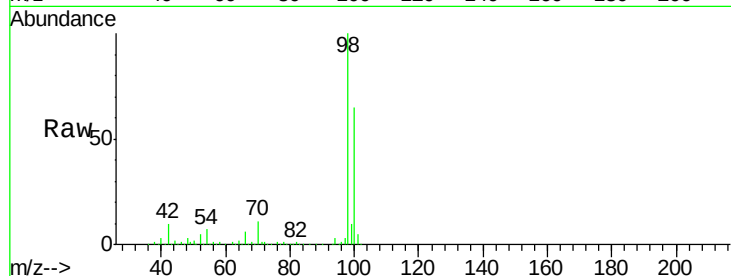
I.BLK

Tot Ion: 98 Resp: 778216

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.491 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056406.D

Acq: 20 Jun 2019 16:36

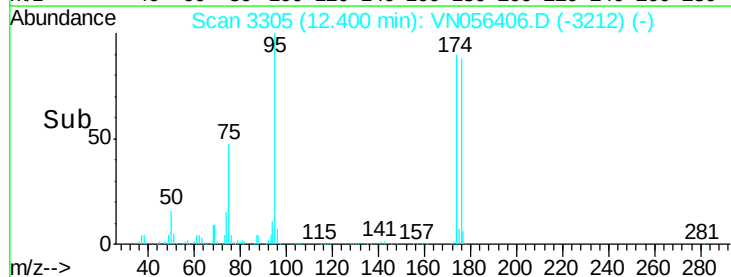
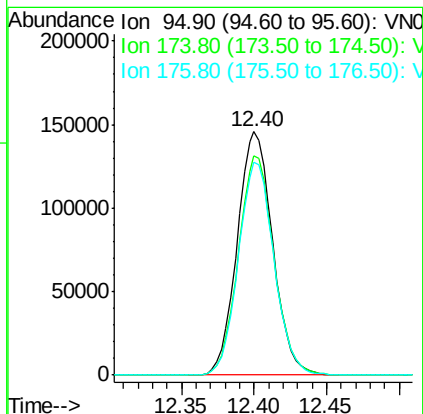
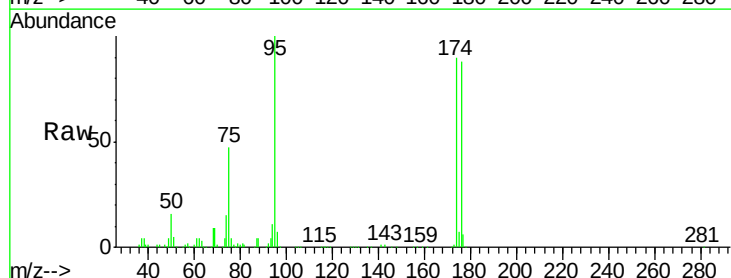
Tgt Ion: 95 Resp: 247742

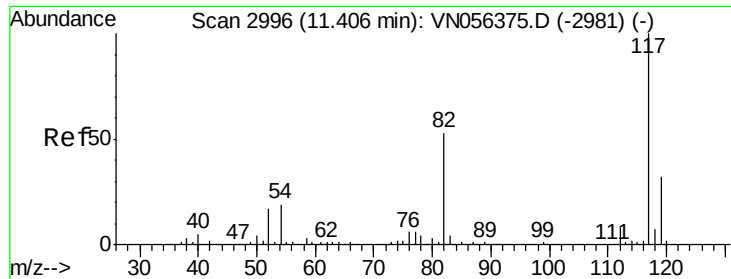
Ion Ratio Lower Upper

95 100

174 90.3 0.0 179.4

176 87.8 0.0 173.4

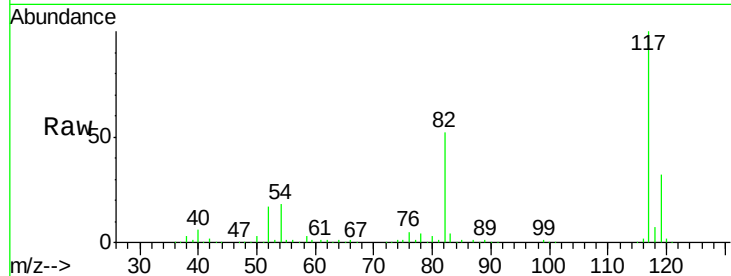




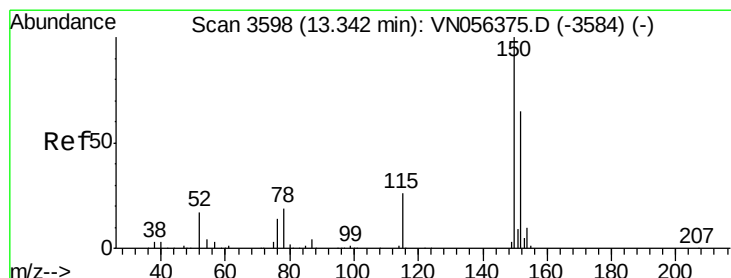
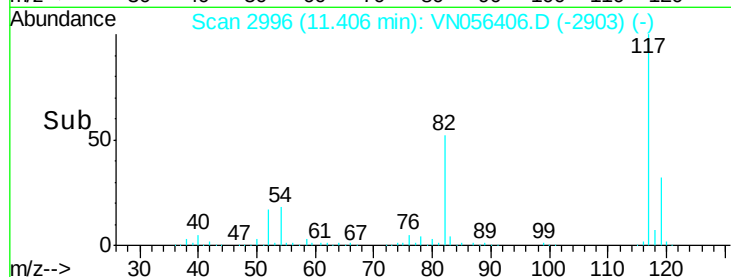
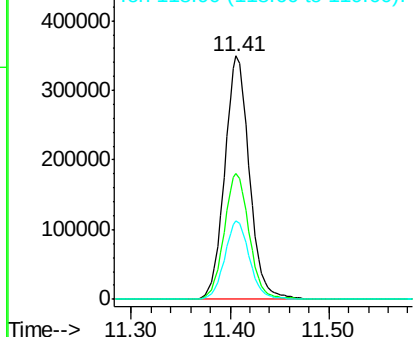
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056406.D
Acq: 20 Jun 2019 16:36

Instrument :
MSVOA_N
ClientSampled :
I.BLK

Tot Ion:117 Resp: 612815
Ion Ratio Lower Upper
117 100
82 51.7 42.0 63.0
119 32.2 25.3 37.9

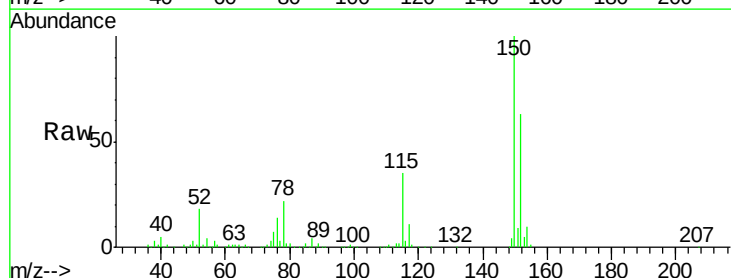


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056406.D
Acq: 20 Jun 2019 16:36

Tgt Ion:152 Resp: 177452
Ion Ratio Lower Upper
152 100
115 55.9 28.1 84.4
150 158.0 0.0 348.4



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

