

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN052998.D
 Acq On : 19 Dec 2018 9:29
 Operator : MD\SY
 Sample : VN1219WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBL01

Quant Time: Dec 20 05:50:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1279844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1954957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1721884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	679701	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	618096	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
35) Dibromofluoromethane	7.59	113	501271	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	
50) Toluene-d8	10.09	98	2370495	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.40	95	764720	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	

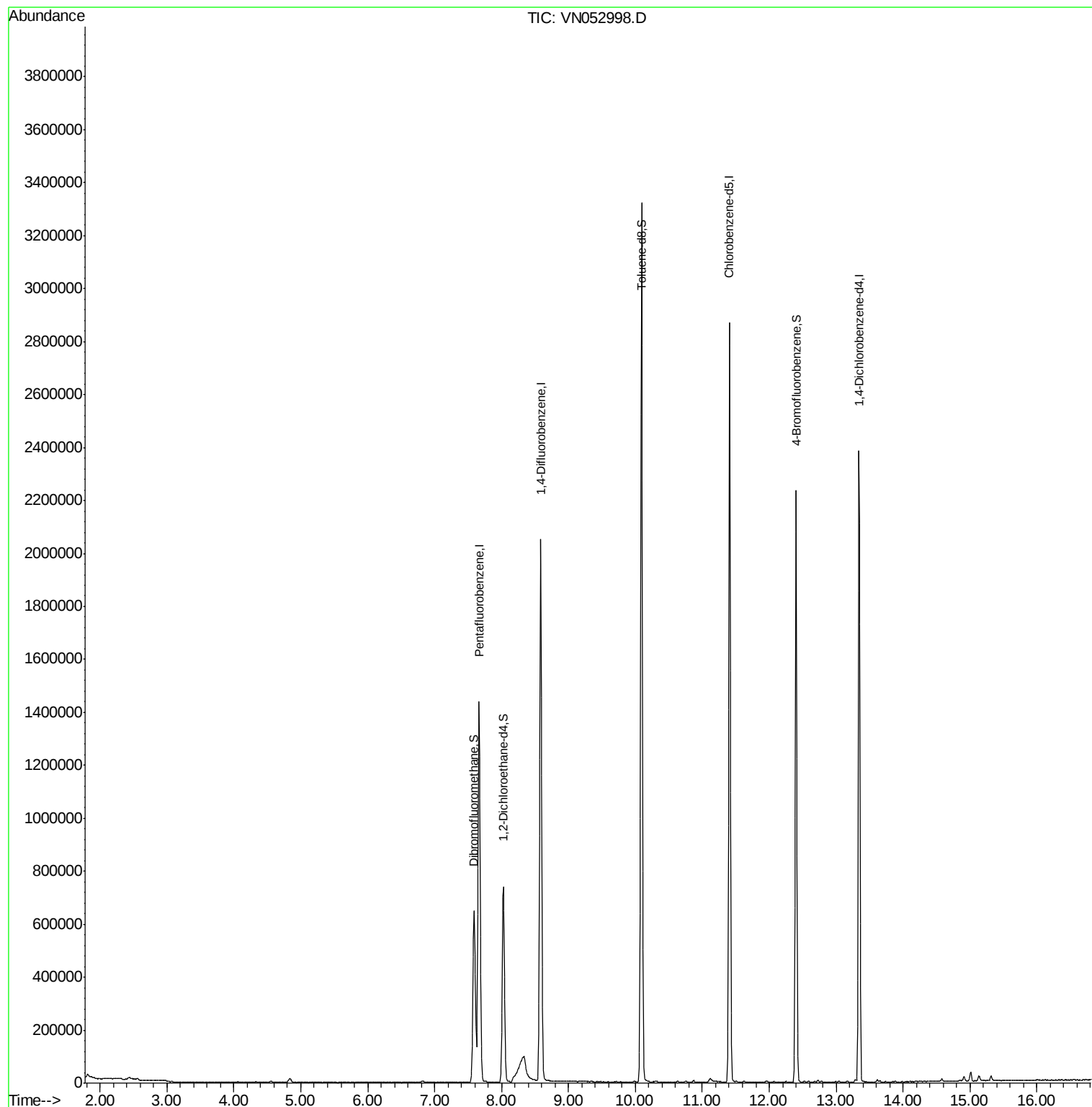
Target Compounds	Qvalue

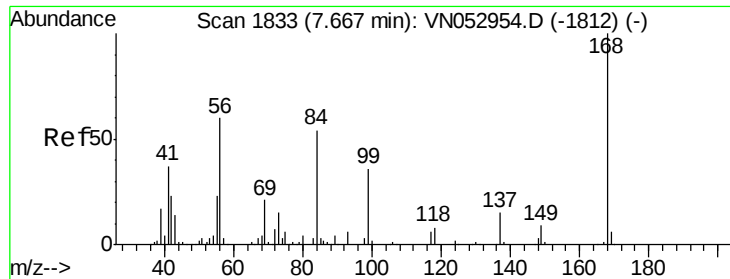
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 18 13:03:37 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052998.D

Acq: 19 Dec 2018 9:29

Instrument :

MSVOA_N

ClientSampleId :

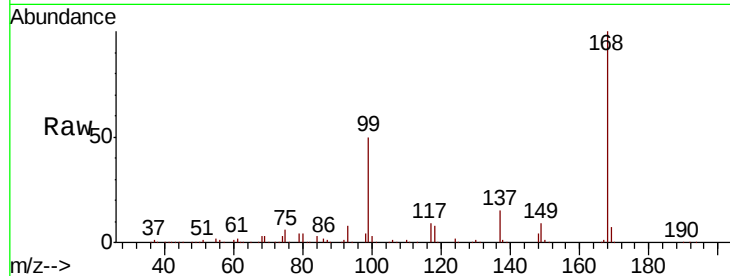
VN1219WBL01

Tot Ion:168 Resp: 1279844

Ion Ratio Lower Upper

168 100

99 50.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052954.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052954.D (-1812) (-)

7.66

600000

500000

400000

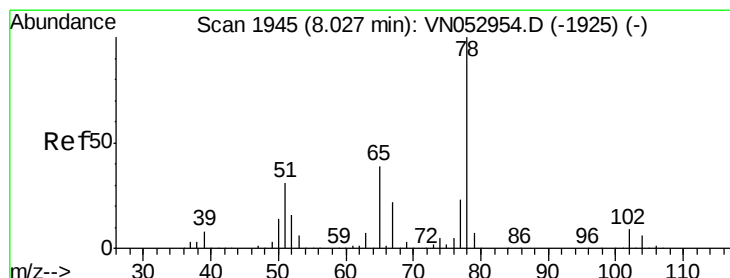
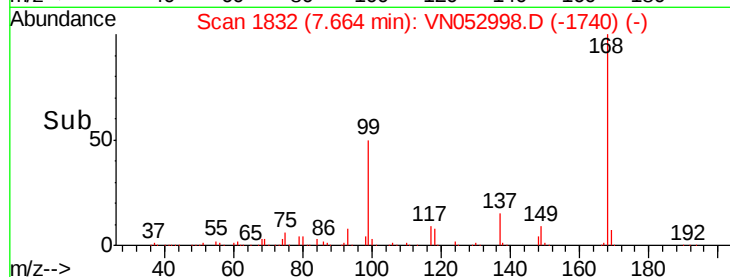
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN052998.D

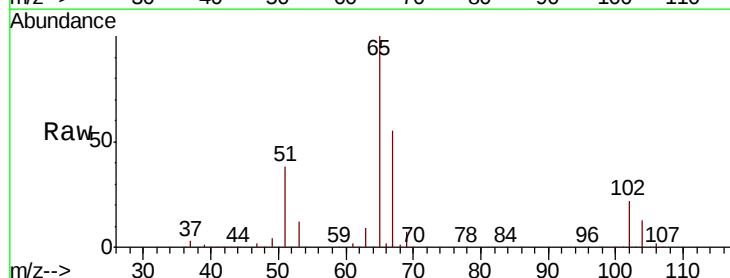
Acq: 19 Dec 2018 9:29

Tgt Ion: 65 Resp: 618096

Ion Ratio Lower Upper

65 100

67 54.6 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN052954.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN052954.D (-1925) (-)

8.02

300000

250000

200000

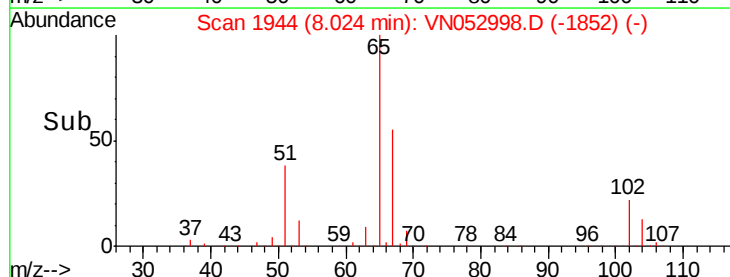
150000

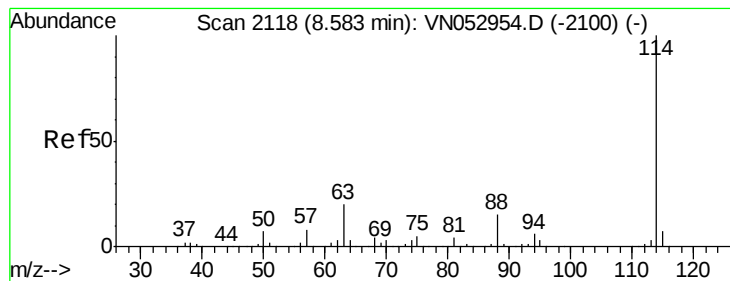
100000

50000

0

Time--> 7.90 8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052998.D

Acq: 19 Dec 2018 9:29

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBL01

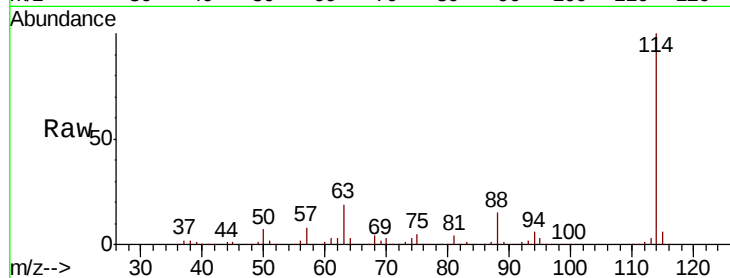
Tot Ion:114 Resp: 1954957

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.8

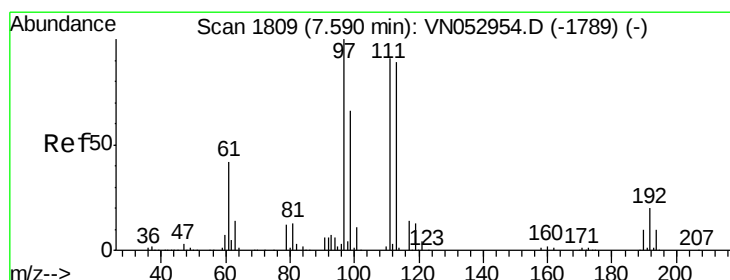
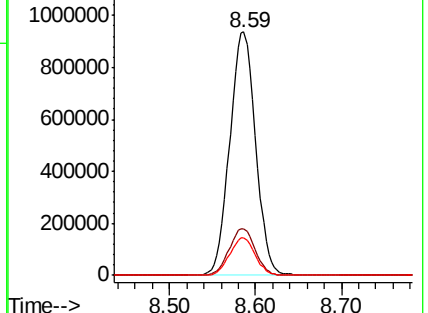
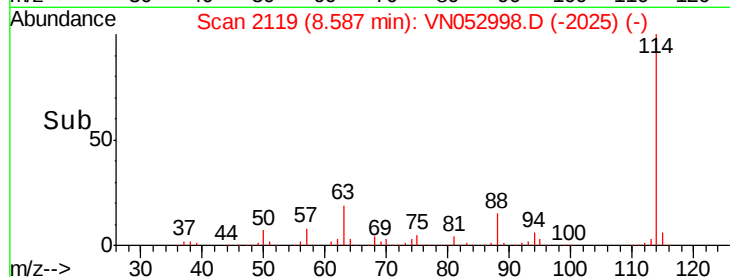
88 15.3 0.0 31.0



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: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052998.D

Acq: 19 Dec 2018 9:29

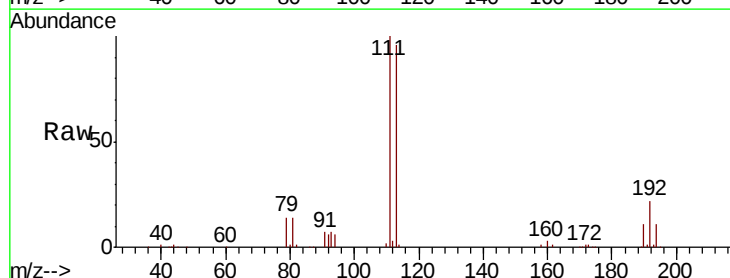
Tgt Ion:113 Resp: 501271

Ion Ratio Lower Upper

113 100

111 103.4 83.0 124.4

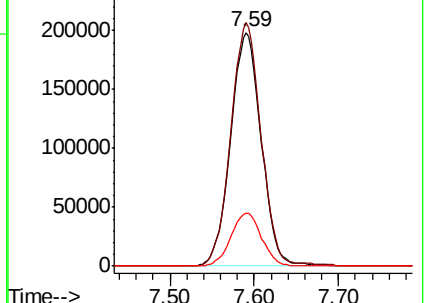
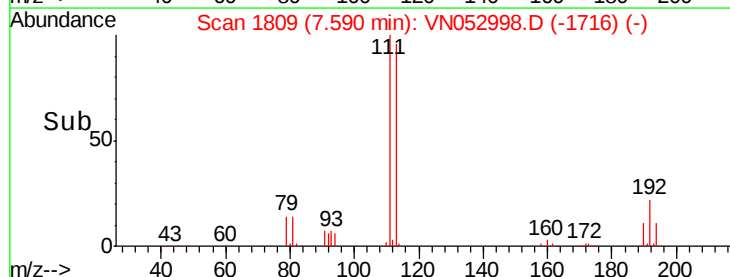
192 22.8 17.5 26.3

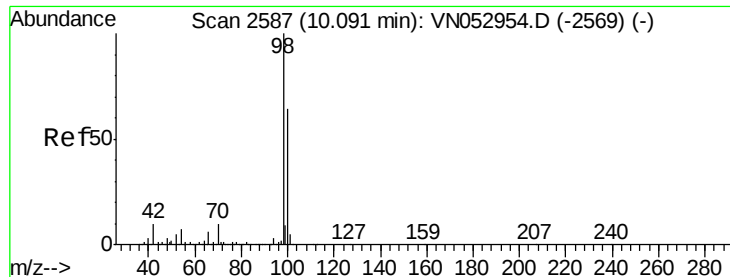


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052998.D

Acq: 19 Dec 2018 9:29

Instrument :

MSVOA_N

ClientSampleId :

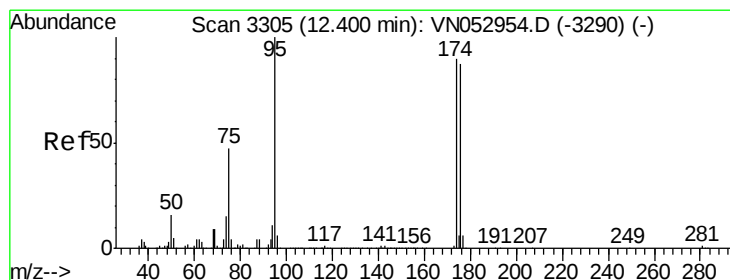
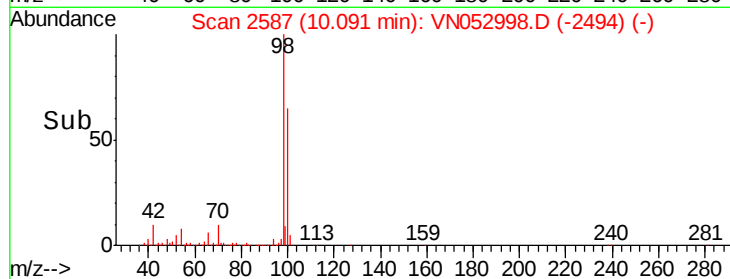
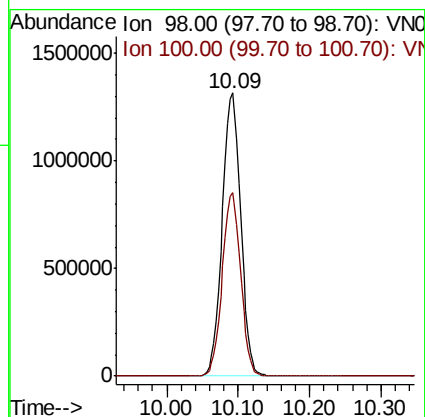
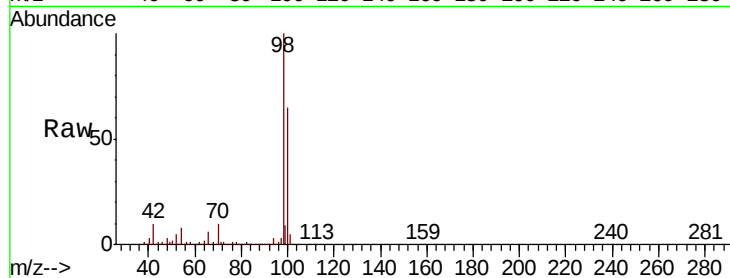
VN1219WBL01

Tot Ion: 98 Resp: 2370495

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052998.D

Acq: 19 Dec 2018 9:29

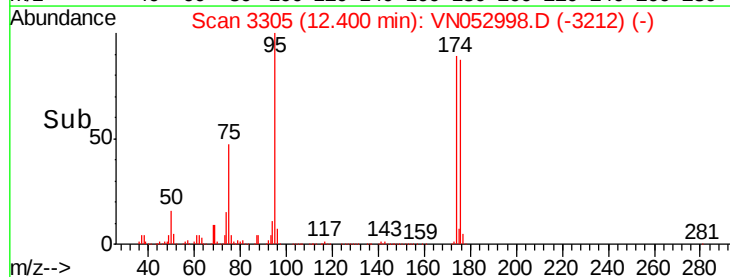
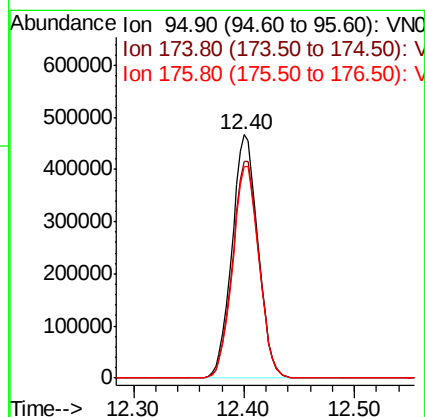
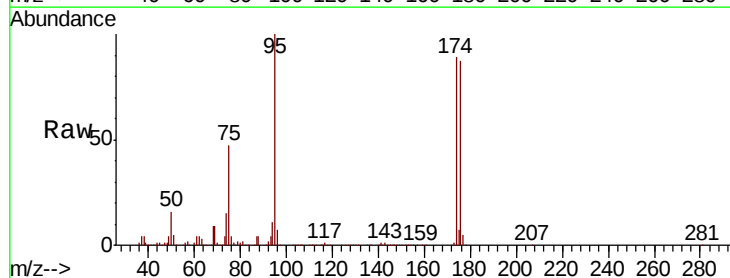
Tgt Ion: 95 Resp: 764720

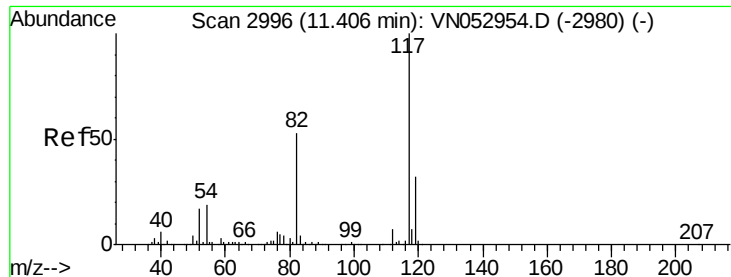
Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.8

176 87.8 0.0 173.8

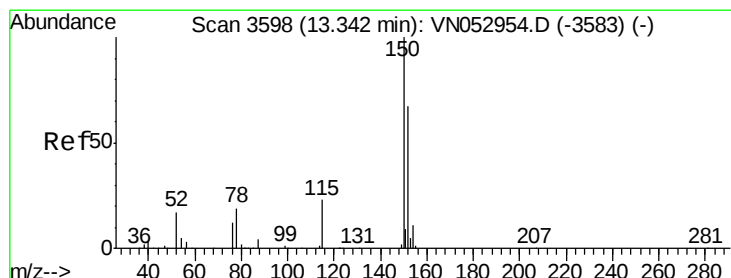
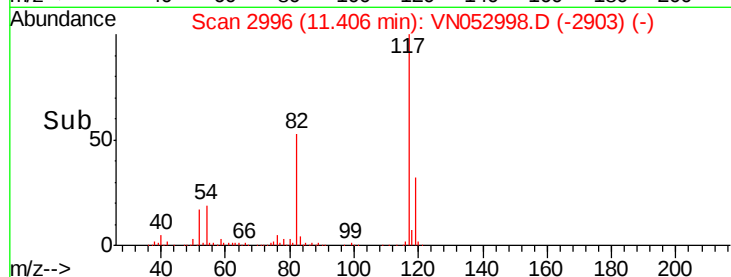
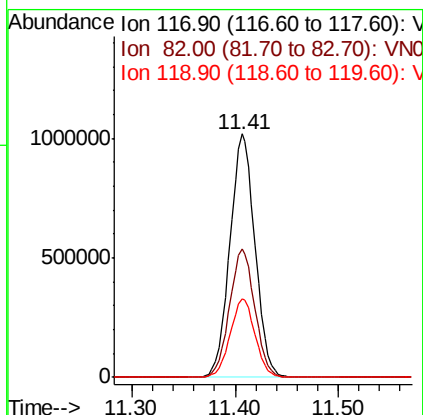
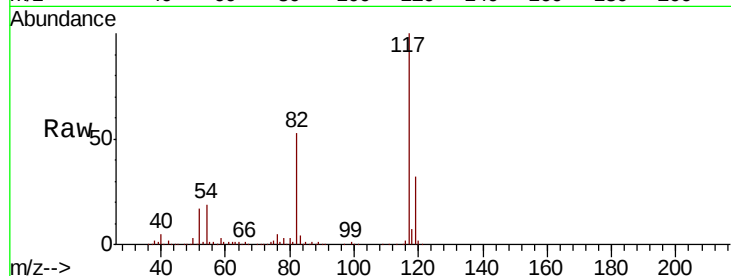




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052998.D
Acq: 19 Dec 2018 9:29

Instrument :
MSVOA_N
ClientSampled :
VN1219WBL01

Tot Ion:117 Resp: 1721884
Ion Ratio Lower Upper
117 100
82 52.5 42.8 64.2
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052998.D
Acq: 19 Dec 2018 9:29

Tgt Ion:152 Resp: 679701
Ion Ratio Lower Upper
152 100
115 55.9 28.3 85.0
150 155.6 0.0 347.8

