

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052231.D
 Acq On : 9 Nov 2018 17:06
 Operator : MD\SY
 Sample : VN1109WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBL01

Quant Time: Nov 12 03:34:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	375157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	615732	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	519456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	193050	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	233817	45.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.14%	
35) Dibromofluoromethane	7.59	113	188834	47.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.70%	
50) Toluene-d8	10.09	98	756148	48.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	12.40	95	227125	44.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.98%	

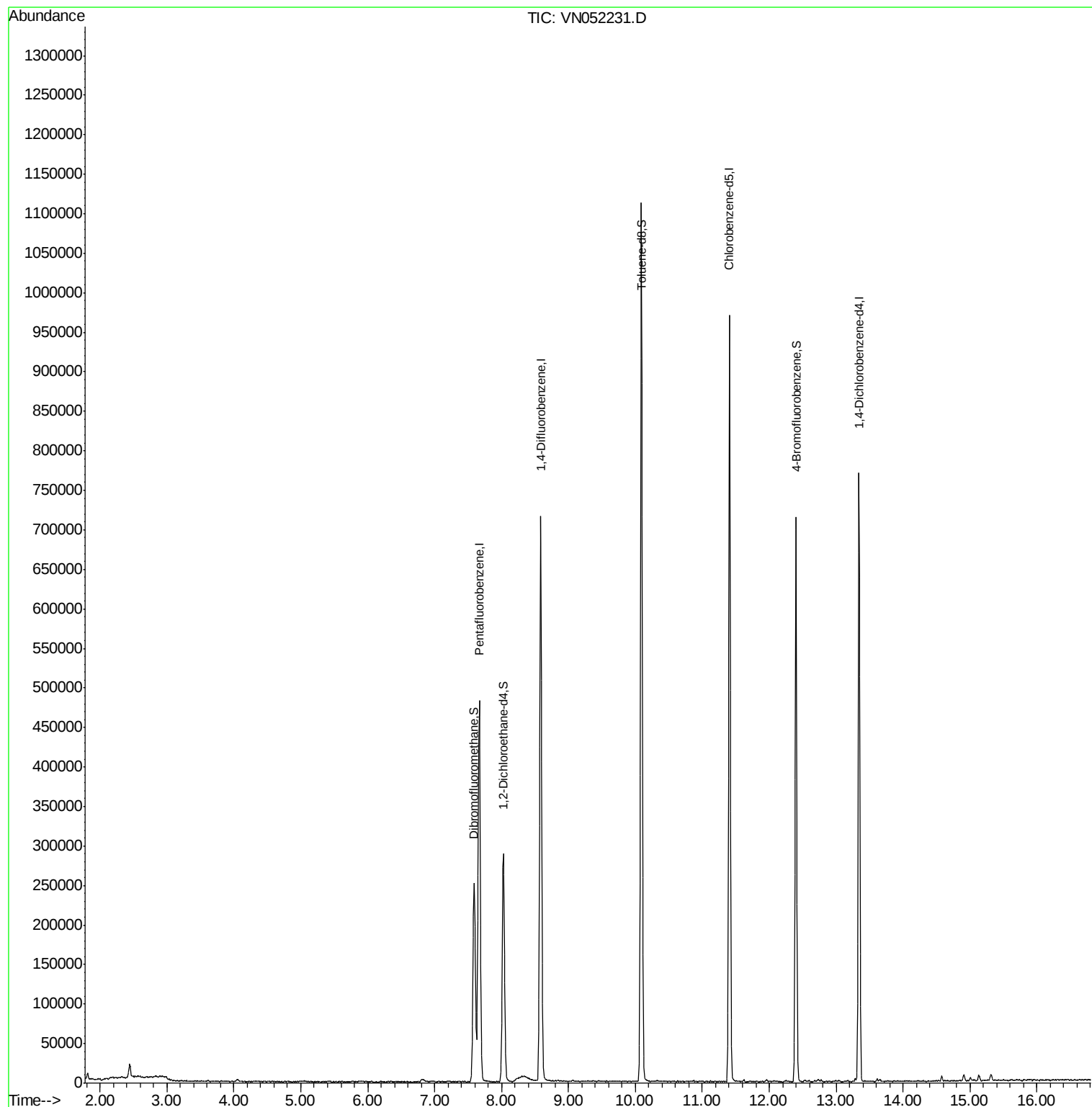
Target Compounds	Qvalue

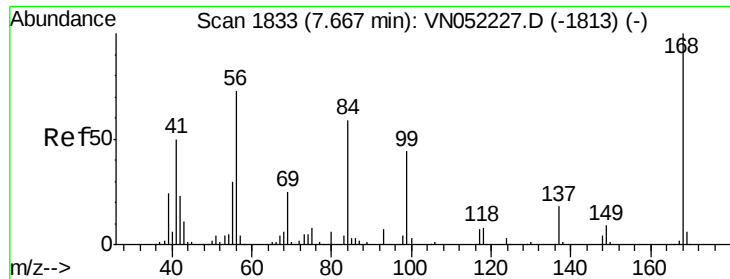
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052231.D

Acq: 9 Nov 2018 17:06

Instrument :

MSVOA_N

ClientSampleId :

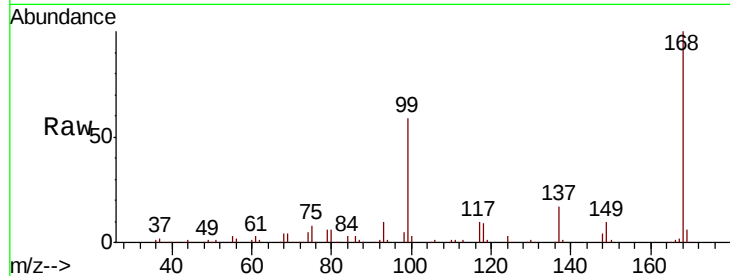
VN1109WBL01

Tot Ion:168 Resp: 375157

Ion Ratio Lower Upper

168 100

99 58.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN052227.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN052227.D (-1813) (-)

7.67

150000

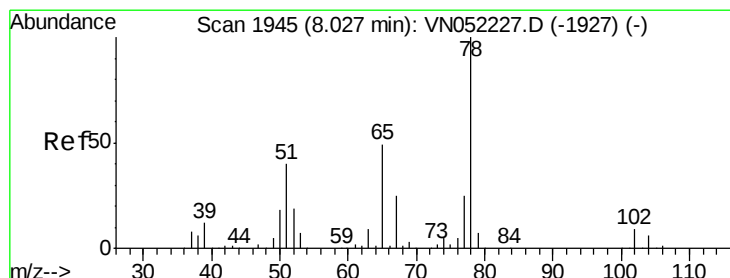
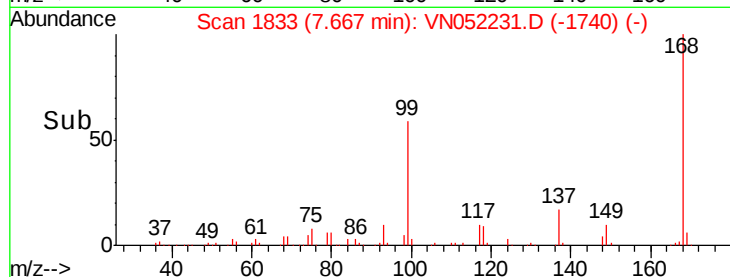
100000

50000

0

7.60 7.70

Time-->



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052231.D

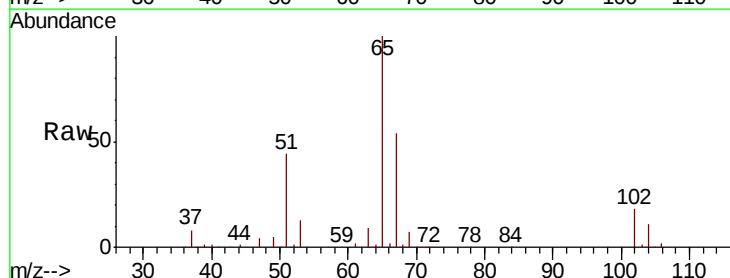
Acq: 9 Nov 2018 17:06

Tgt Ion: 65 Resp: 233817

Ion Ratio Lower Upper

65 100

67 54.3 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VN052227.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN052227.D (-1927) (-)

8.03

120000

100000

80000

60000

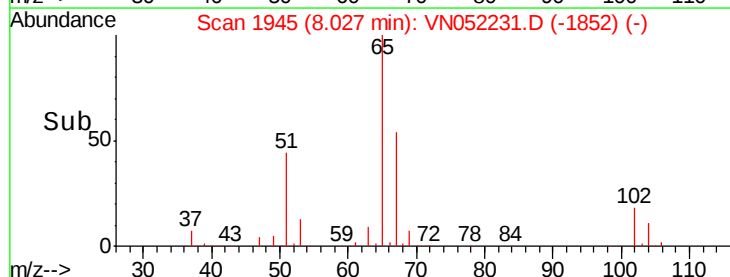
40000

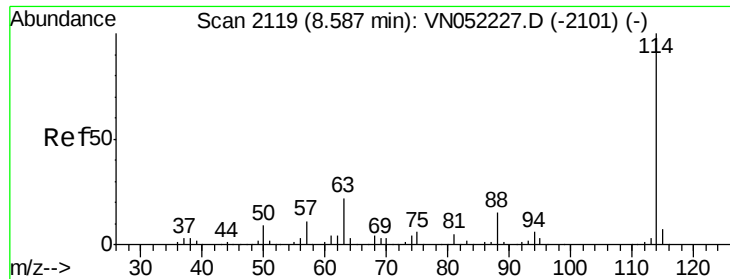
20000

0

7.90 8.00 8.10 8.20

Time-->

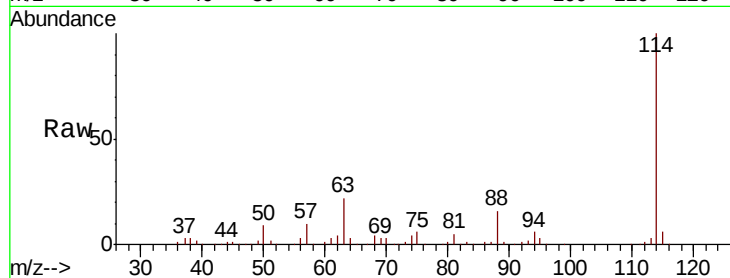




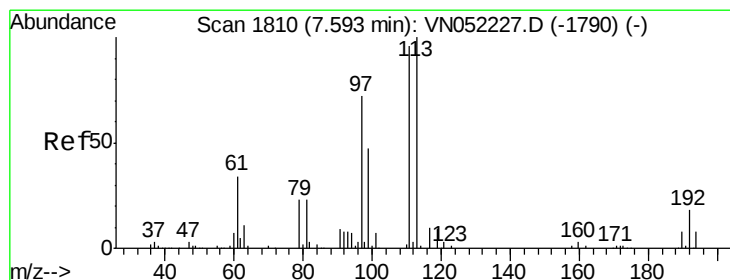
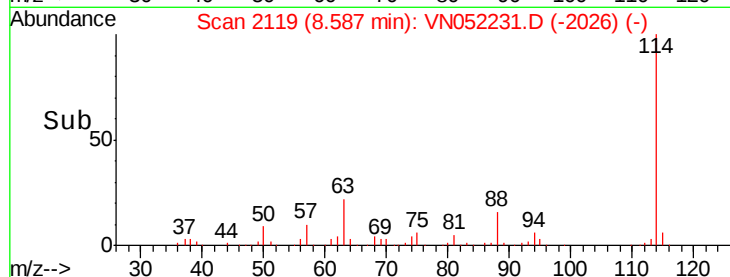
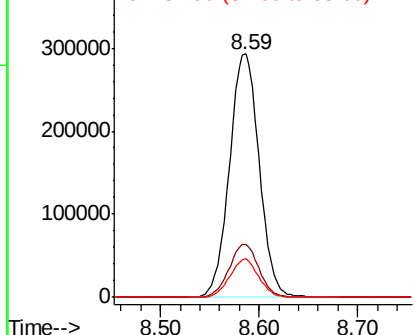
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052231.D
 Acq: 9 Nov 2018 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBL01

Tot Ion:114 Resp: 615732
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.4
 88 15.7 0.0 30.2

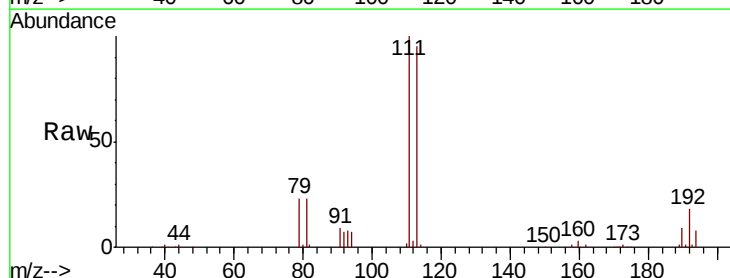


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

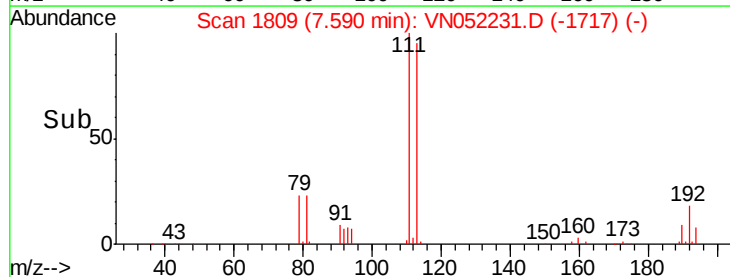
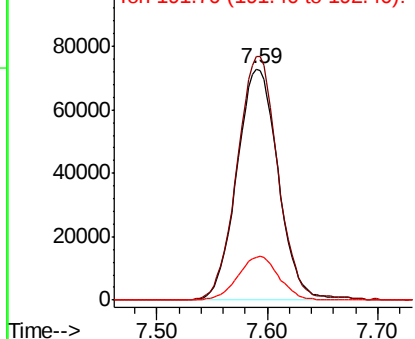


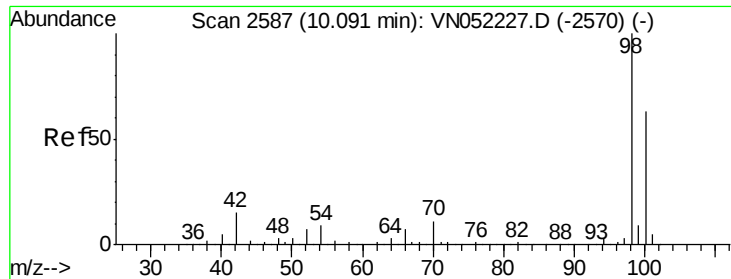
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052231.D
 Acq: 9 Nov 2018 17:06

Tgt Ion:113 Resp: 188834
 Ion Ratio Lower Upper
 113 100
 111 104.4 80.2 120.4
 192 18.6 14.1 21.1



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# 2586

Delta R.T. -0.00 min

Lab File: VN052231.D

Acq: 9 Nov 2018 17:06

Instrument :

MSVOA_N

ClientSampleId :

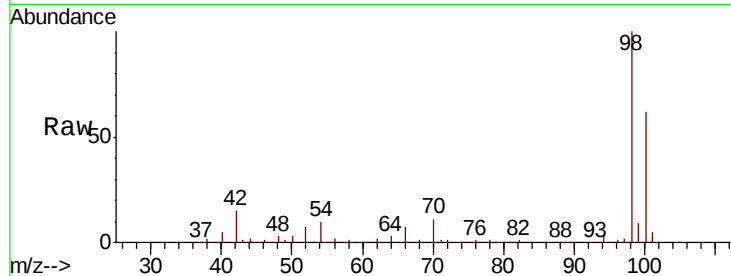
VN1109WBL01

Tot Ion: 98 Resp: 756148

Ion Ratio Lower Upper

98 100

100 62.3 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN052227.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052227.D (-2570) (-)

10.09

400000

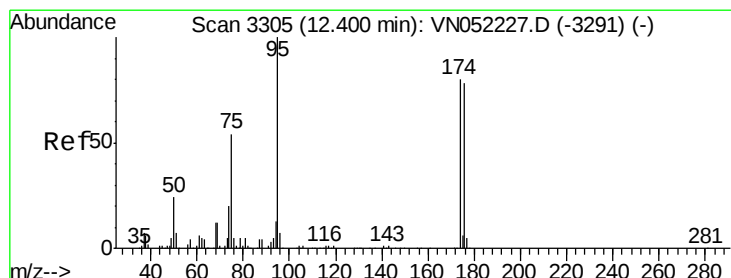
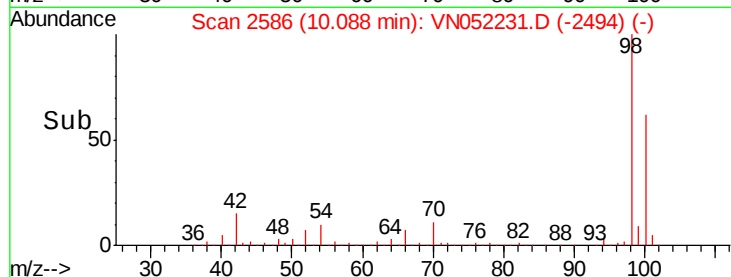
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052231.D

Acq: 9 Nov 2018 17:06

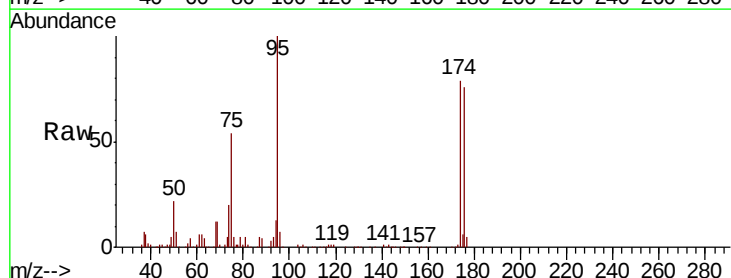
Tgt Ion: 95 Resp: 227125

Ion Ratio Lower Upper

95 100

174 79.1 0.0 159.4

176 74.5 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN052227.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052227.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052227.D (-3291) (-)

12.40

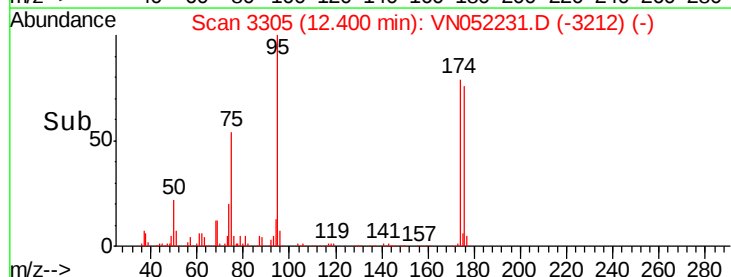
150000

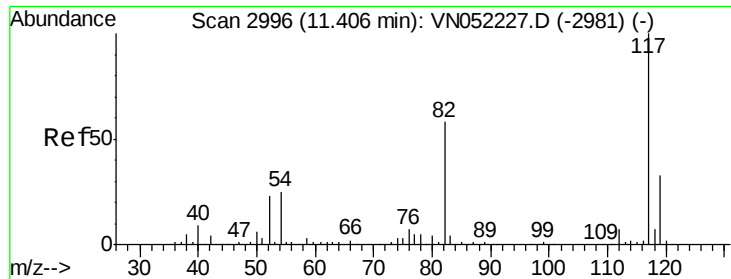
100000

50000

0

Time-->

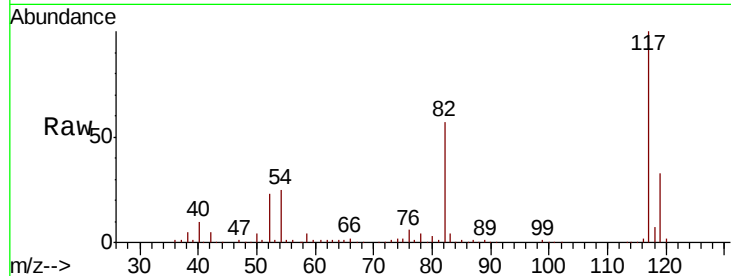




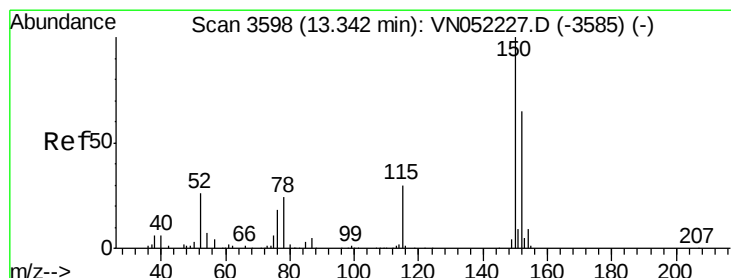
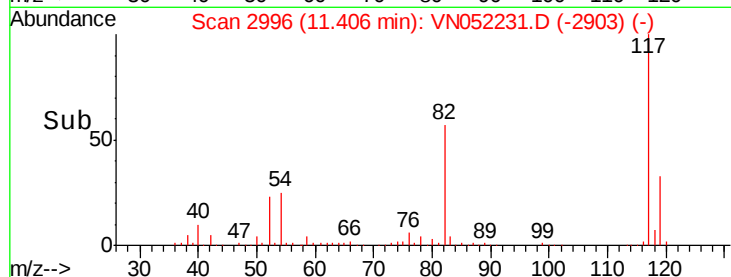
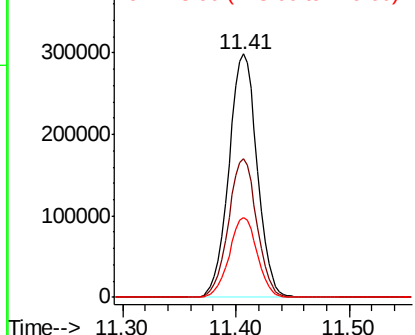
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052231.D
Acq: 9 Nov 2018 17:06

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBL01

Tot Ion:117 Resp: 519456
Ion Ratio Lower Upper
117 100
82 57.0 46.2 69.2
119 32.8 26.2 39.4

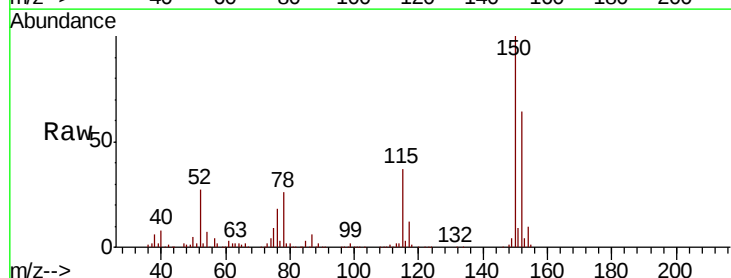


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052231.D
Acq: 9 Nov 2018 17:06

Tgt Ion:152 Resp: 193050
Ion Ratio Lower Upper
152 100
115 59.6 29.8 89.5
150 157.9 0.0 350.2



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

