

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112118\
 Data File : VN052436.D
 Acq On : 21 Nov 2018 14:17
 Operator : MD\SY
 Sample : PB114992ZHE#06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114992ZHE#06

Quant Time: Nov 22 00:36:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	305348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	509655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	434954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147911	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	229716	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	7.59	113	169384	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.09	98	650587	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.40	95	192461	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	

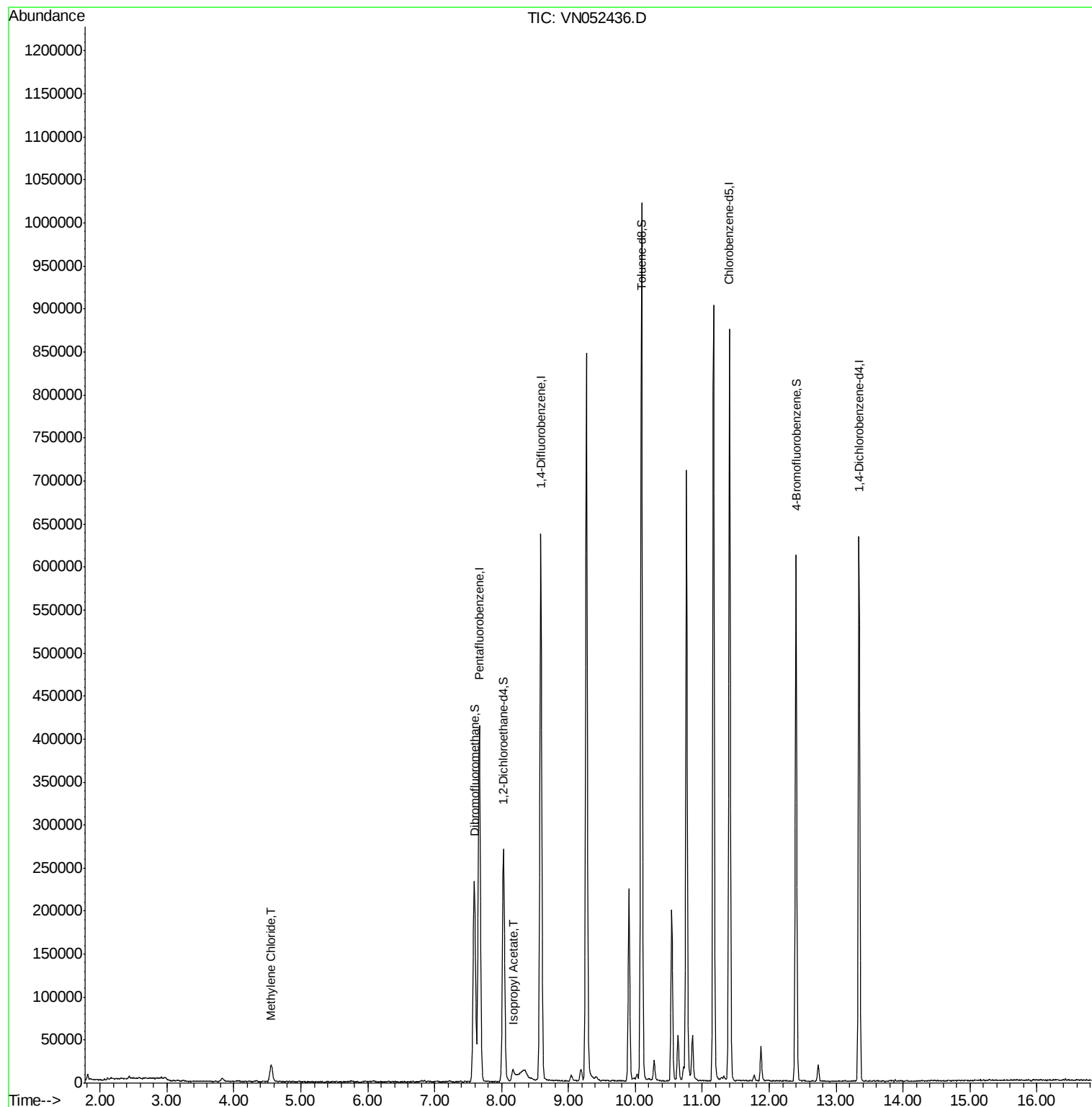
Target Compounds						Qvalue
20) Methylene Chloride	4.55	84	11169	2.43	ug/l	97
43) Isopropyl Acetate	8.17	43	20016	2.80	ug/l	# 93

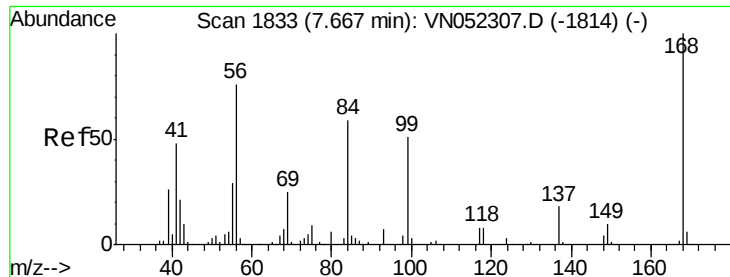
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052436.D

Acq: 21 Nov 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

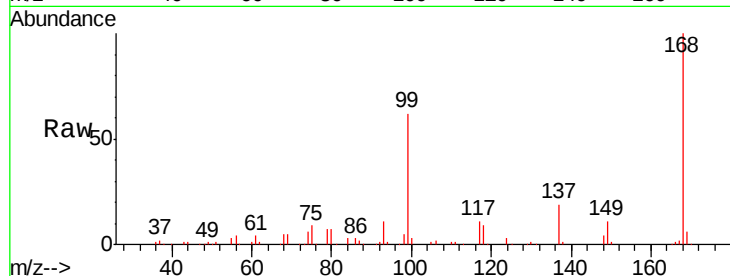
PB114992ZHE#06

Tgt Ion:168 Resp: 305348

Ion Ratio Lower Upper

168 100

99 61.9 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

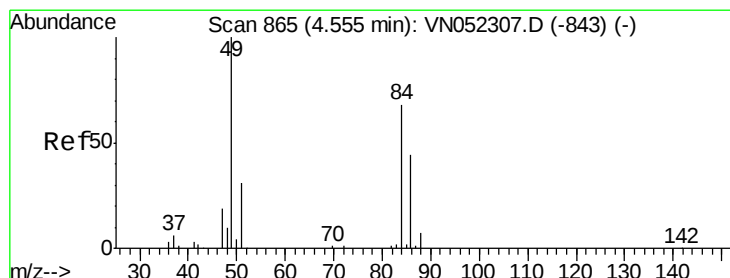
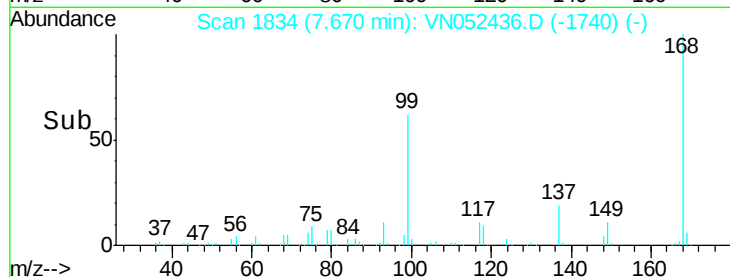
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 2.43 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052436.D

Acq: 21 Nov 2018 14:17

Tgt Ion: 84 Resp: 11169

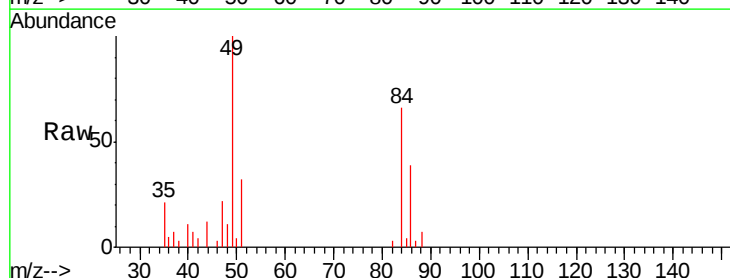
Ion Ratio Lower Upper

84 100

49 146.9 118.2 177.2

51 49.3 36.1 54.1

86 59.6 51.6 77.4



Abundance Ion 83.90 (83.60 to 84.60): VN

Ion 48.90 (48.60 to 49.60): VN

Ion 50.90 (50.60 to 51.60): VN

Ion 85.90 (85.60 to 86.60): VN

8000

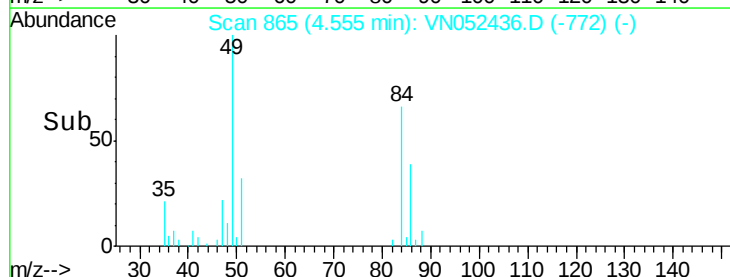
6000

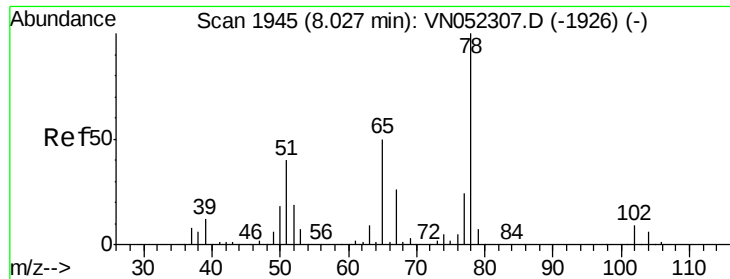
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052436.D

Acq: 21 Nov 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

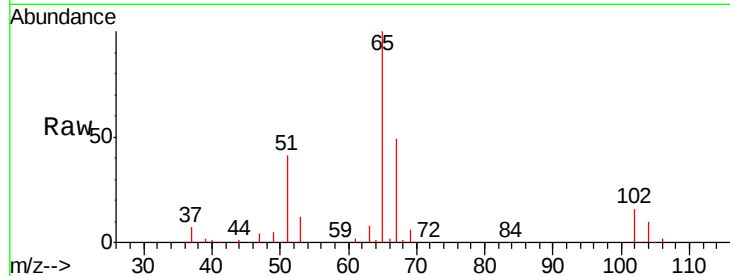
PB114992ZHE#06

Tgt Ion: 65 Resp: 229716

Ion Ratio Lower Upper

65 100

67 50.2 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

100000

80000

60000

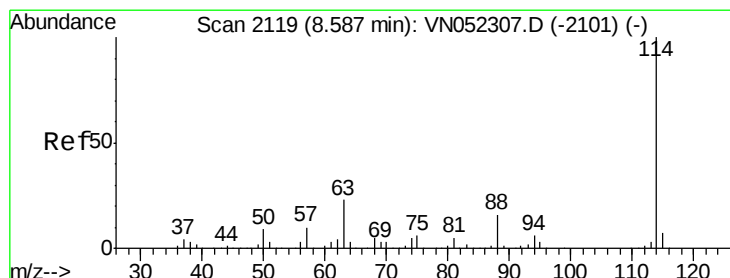
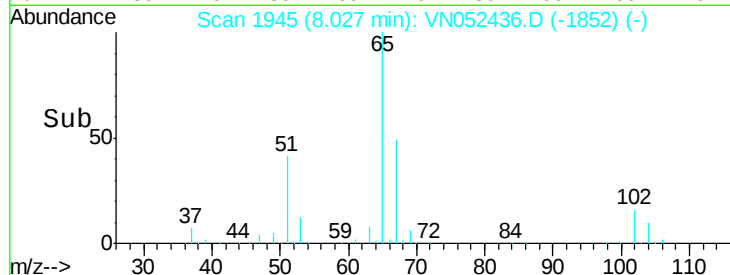
40000

20000

0

Time-->

7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052436.D

Acq: 21 Nov 2018 14:17

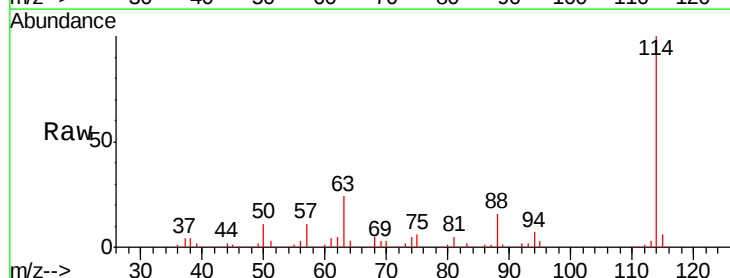
Tgt Ion: 114 Resp: 509655

Ion Ratio Lower Upper

114 100

63 23.9 0.0 45.4

88 16.2 0.0 31.2



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

8.59

300000

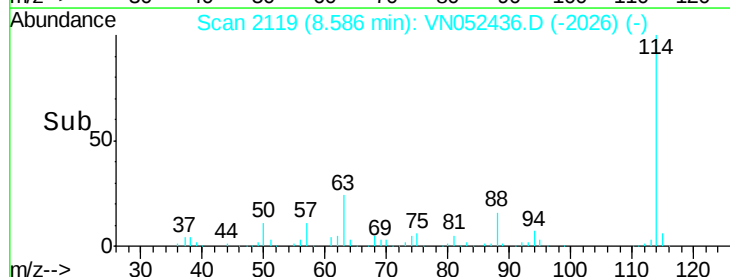
200000

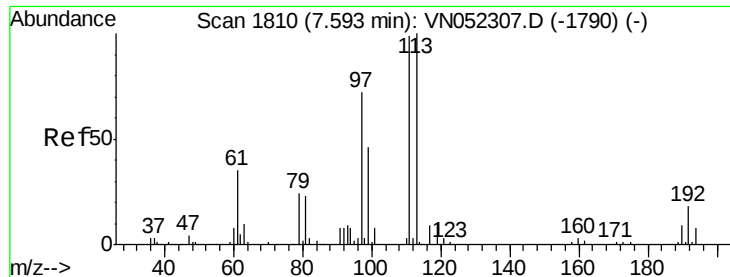
100000

0

Time-->

8.50 8.60 8.70





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052436.D

Acq: 21 Nov 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

PB114992ZHE#06

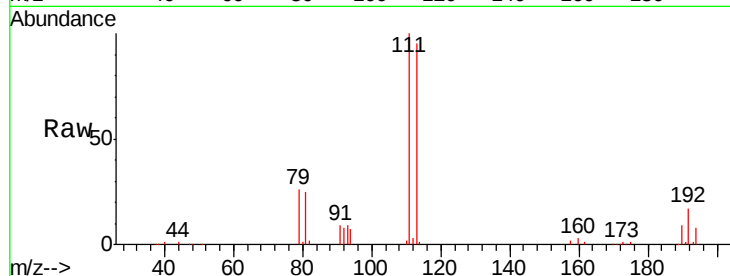
Tgt Ion:113 Resp: 169384

Ion Ratio Lower Upper

113 100

111 104.3 81.0 121.6

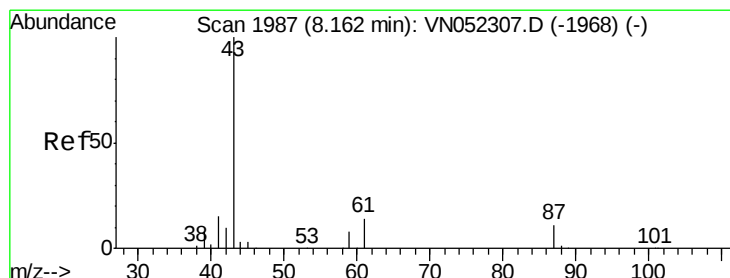
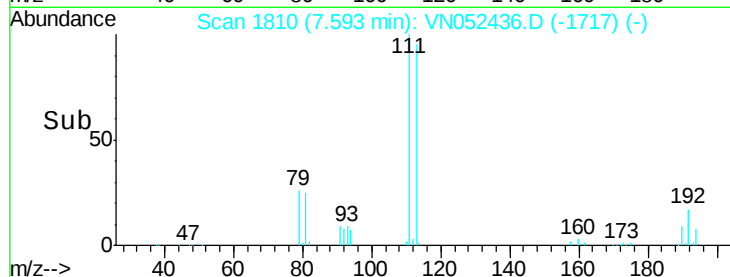
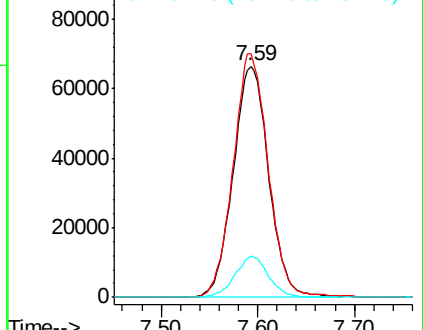
192 16.8 13.8 20.6



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



#43

Isopropyl Acetate

Concen: 2.80 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052436.D

Acq: 21 Nov 2018 14:17

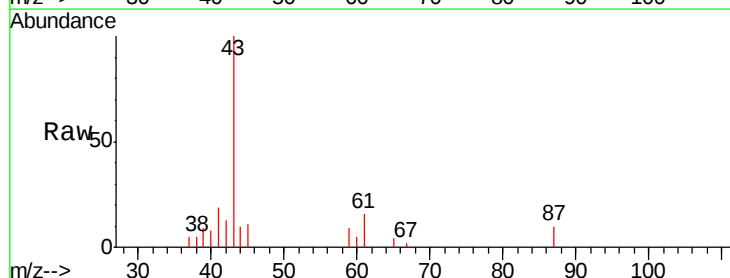
Tgt Ion: 43 Resp: 20016

Ion Ratio Lower Upper

43 100

61 12.3 12.0 18.0

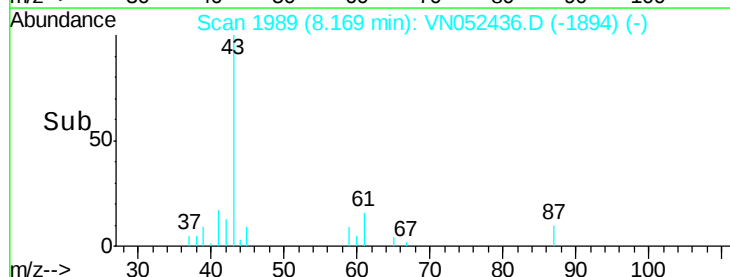
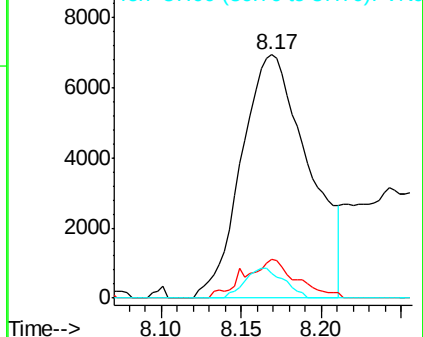
87 7.0 8.3 12.5#

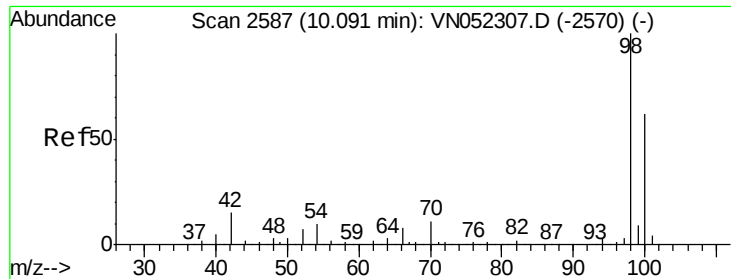


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052436.D

Acq: 21 Nov 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

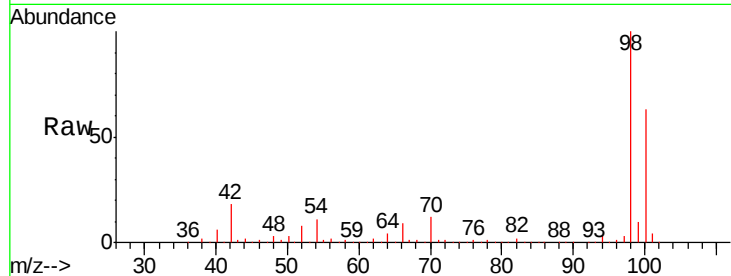
PB114992ZHE#06

Tgt Ion: 98 Resp: 650587

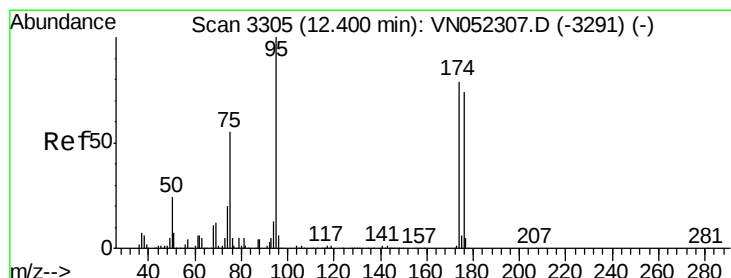
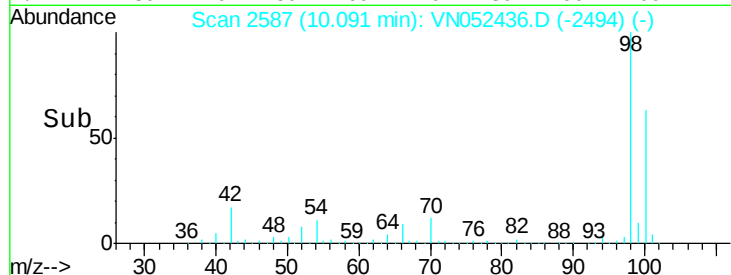
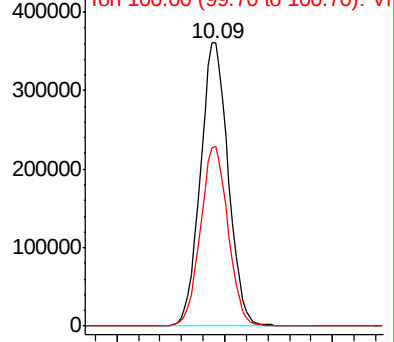
Ion Ratio Lower Upper

98 100

100 62.7 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052436.D

Acq: 21 Nov 2018 14:17

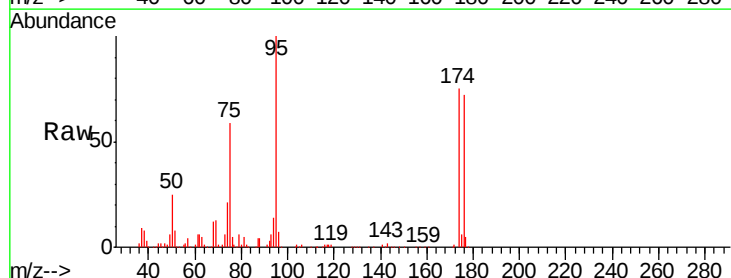
Tgt Ion: 95 Resp: 192461

Ion Ratio Lower Upper

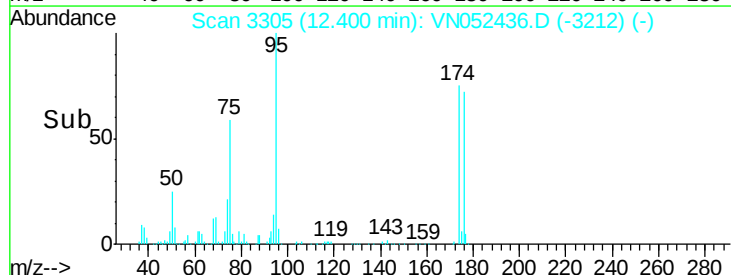
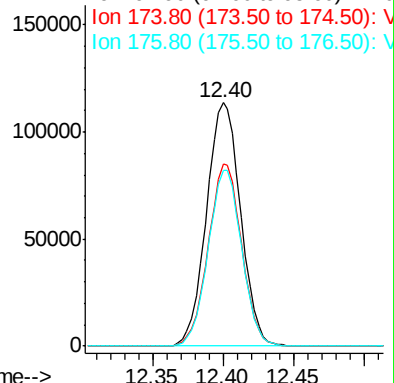
95 100

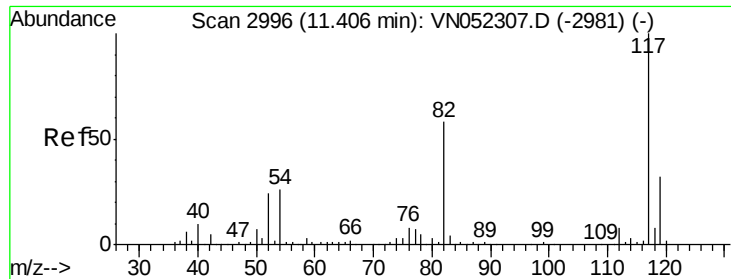
174 73.3 0.0 156.0

176 71.0 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052307.D (-3291) (-)

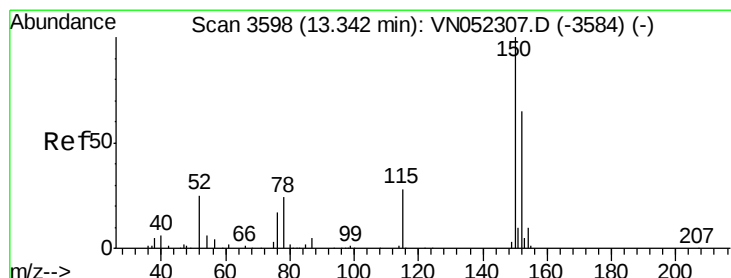
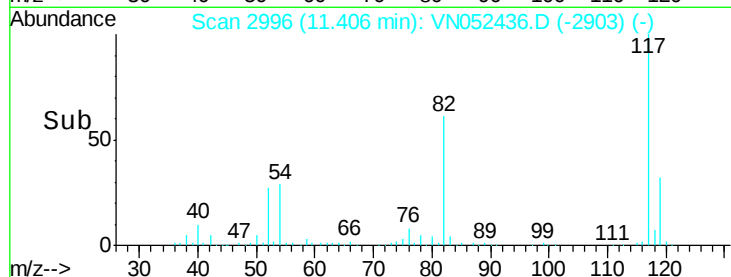
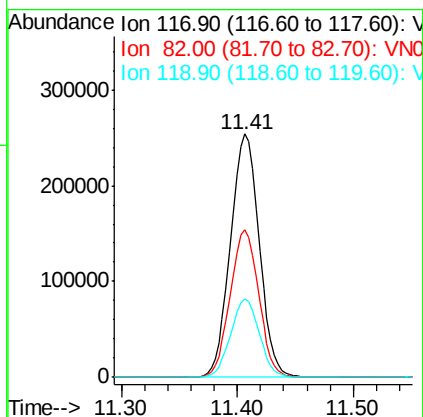
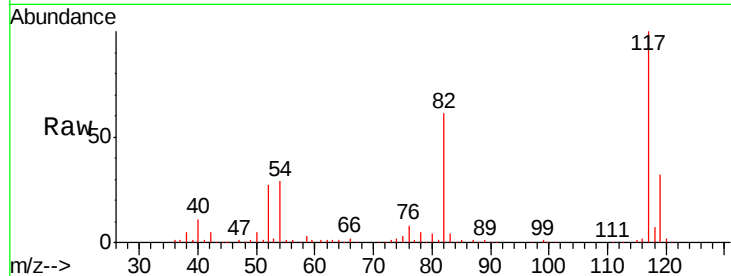




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052436.D
Acq: 21 Nov 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
PB114992ZHE#06

Tgt Ion:117 Resp: 434954
Ion Ratio Lower Upper
117 100
82 60.8 46.5 69.7
119 32.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052436.D
Acq: 21 Nov 2018 14:17

Tgt Ion:152 Resp: 147911
Ion Ratio Lower Upper
152 100
115 62.9 30.3 91.0
150 158.7 0.0 348.2

