

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111218\
 Data File : VN052272.D
 Acq On : 12 Nov 2018 19:38
 Operator : MD\SY
 Sample : PB114678ZHE#16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#16

Quant Time: Nov 13 01:32:00 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

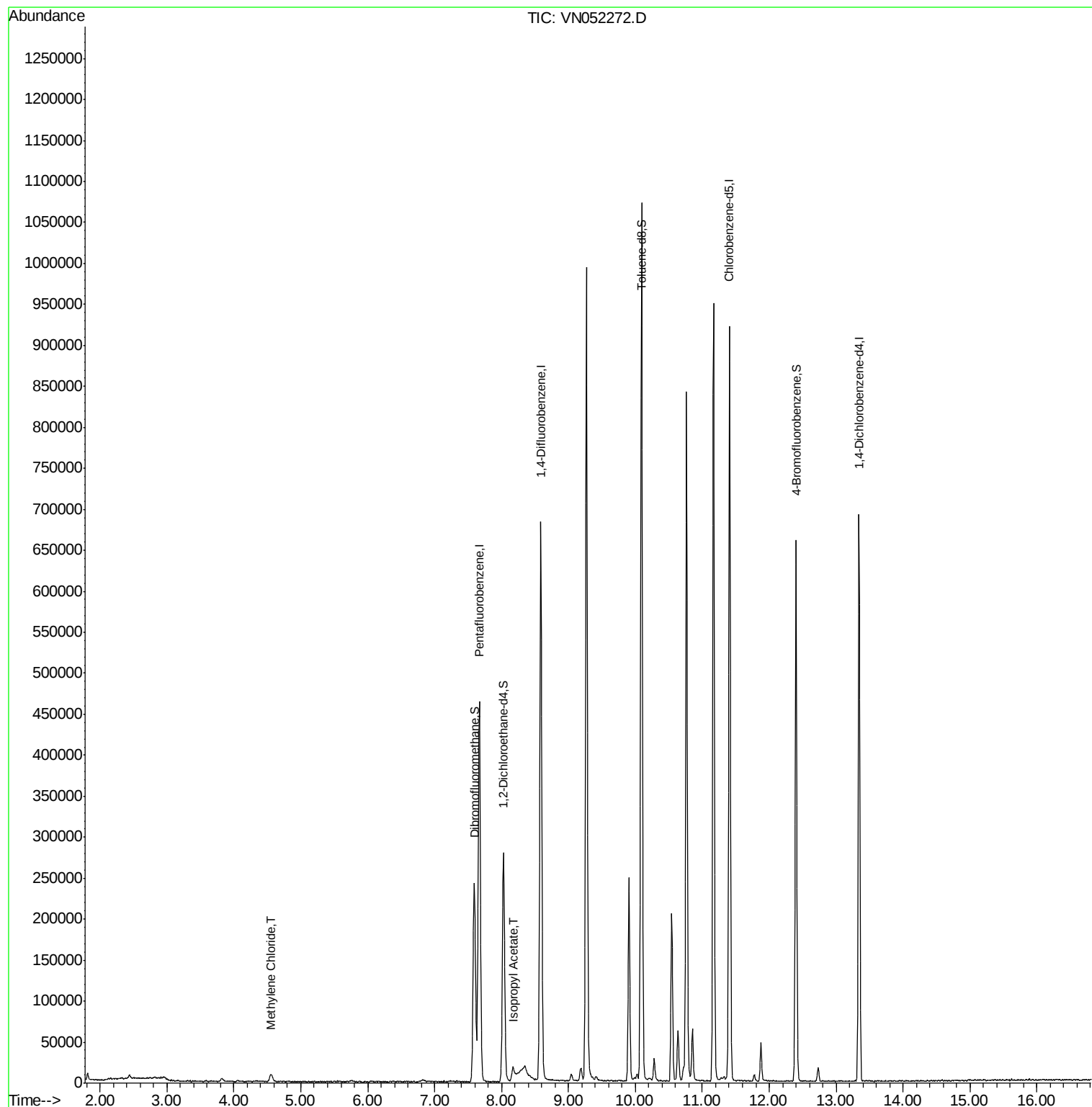
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	347652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	582132	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	494558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167758	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	227575	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
35) Dibromofluoromethane	7.59	113	183378	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.26%	
50) Toluene-d8	10.09	98	728273	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.40	95	206219	43.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.42%	
Target Compounds						
20) Methylene Chloride	4.55	84	5638	1.301	ug/l	86
43) Isopropyl Acetate	8.17	43	23648	3.070	ug/l #	84

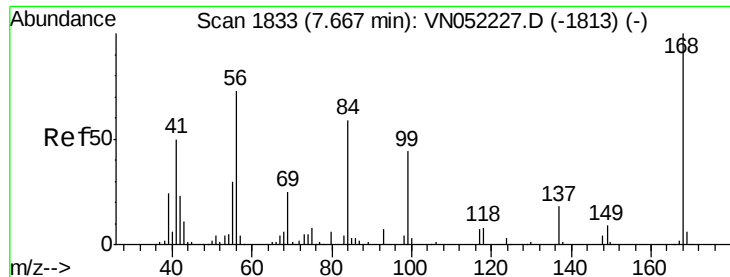
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052272.D

Acq: 12 Nov 2018 19:38

Instrument :

MSVOA_N

ClientSampleId :

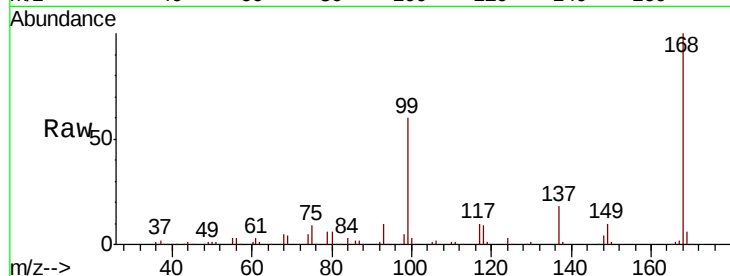
PB114678ZHE#16

Tot Ion:168 Resp: 347652

Ion Ratio Lower Upper

168 100

99 59.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

100000

50000

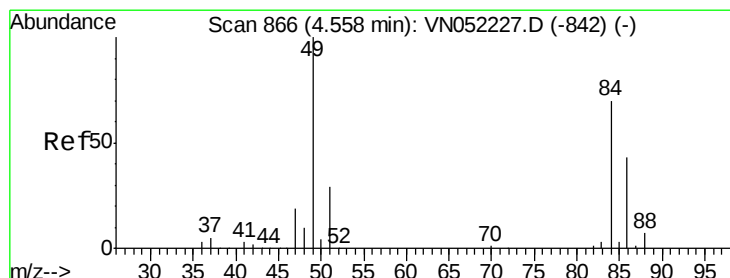
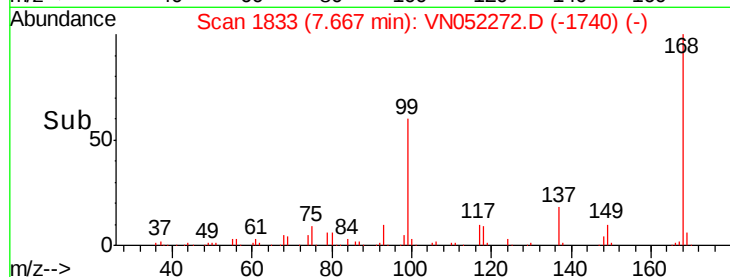
0

Time-->

7.60

7.70

7.80



#20

Methylene Chloride

Concen: 1.301 ug/l

RT: 4.55 min Scan# 862

Delta R.T. -0.01 min

Lab File: VN052272.D

Acq: 12 Nov 2018 19:38

Tgt Ion: 84 Resp: 5638

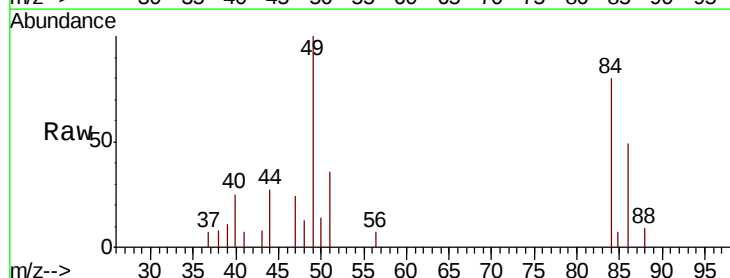
Ion Ratio Lower Upper

84 100

49 115.9 114.8 172.2

51 44.6 33.1 49.7

86 61.2 49.7 74.5



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

4000

3000

2000

1000

0

Time-->

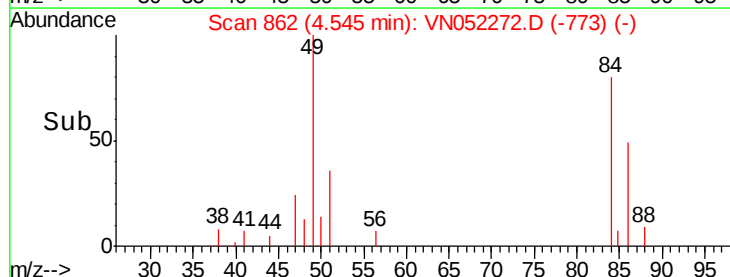
4.45

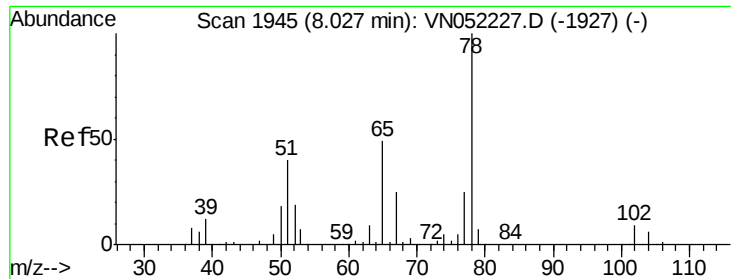
4.50

4.55

4.60

4.65





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN052272.D

Acq: 12 Nov 2018 19:38

Instrument :

MSVOA_N

ClientSampleId :

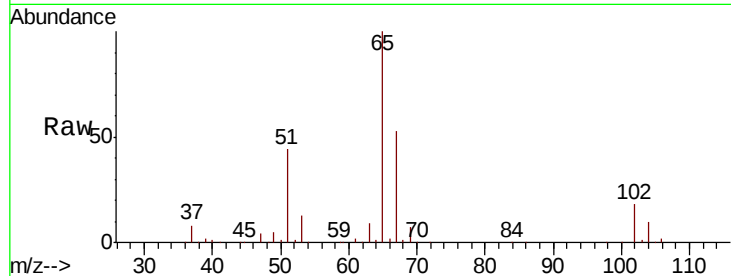
PB114678ZHE#16

Tot Ion: 65 Resp: 227575

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

100000

80000

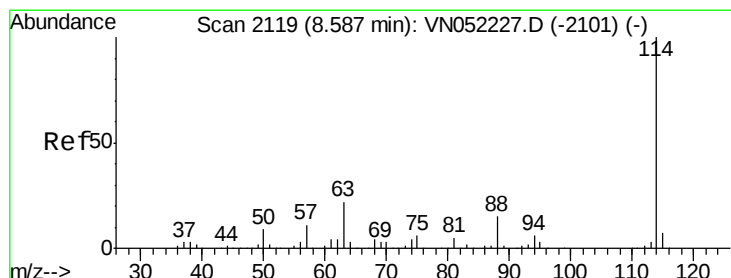
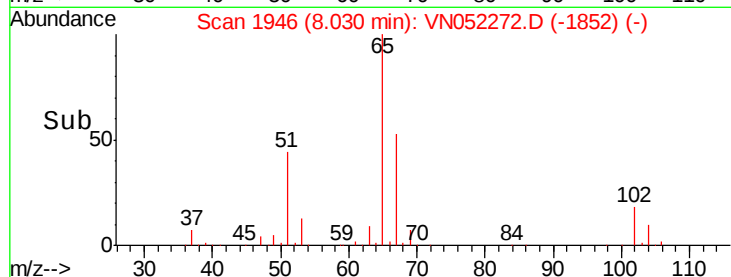
60000

40000

20000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052272.D

Acq: 12 Nov 2018 19:38

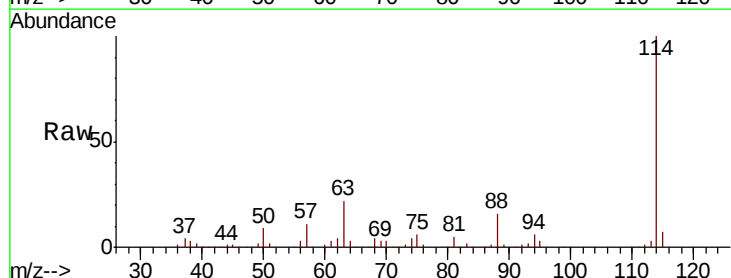
Tgt Ion: 114 Resp: 582132

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

88 15.6 0.0 30.2



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

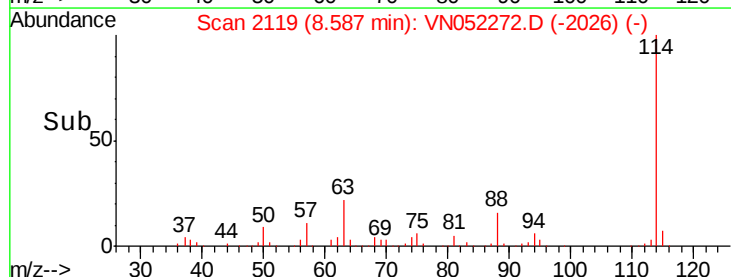
300000

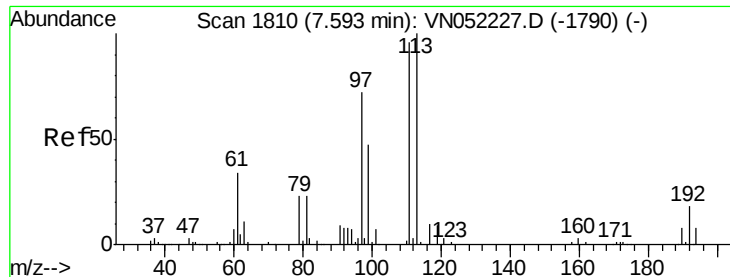
200000

100000

0

Time--> 8.50 8.55 8.60 8.65 8.70

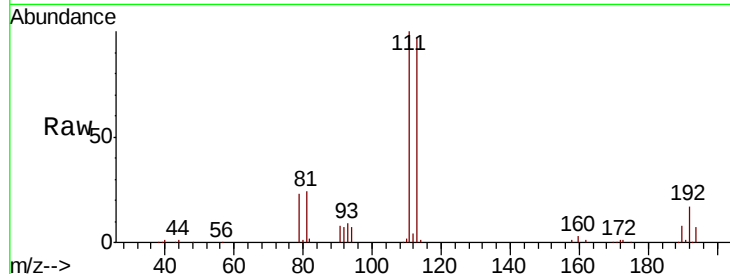




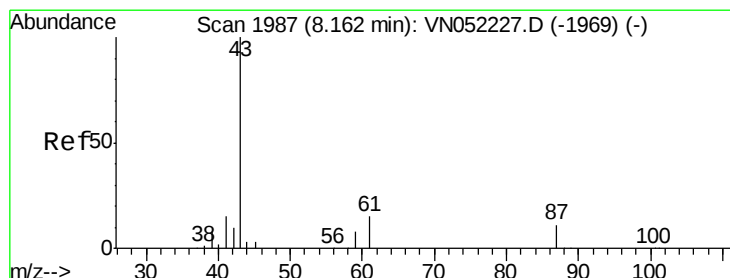
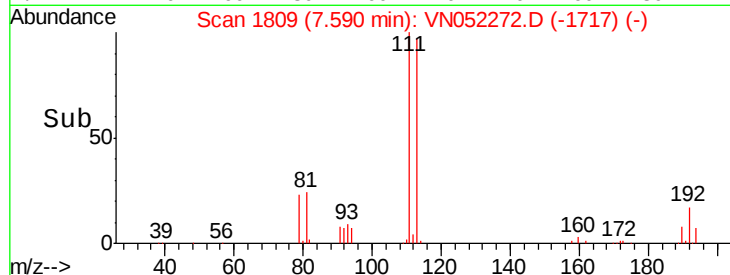
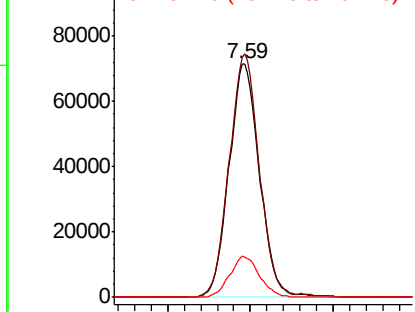
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052272.D
 Acq: 12 Nov 2018 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#16

Tot Ion:113 Resp: 183378
 Ion Ratio Lower Upper
 113 100
 111 103.5 80.2 120.4
 192 17.2 14.1 21.1

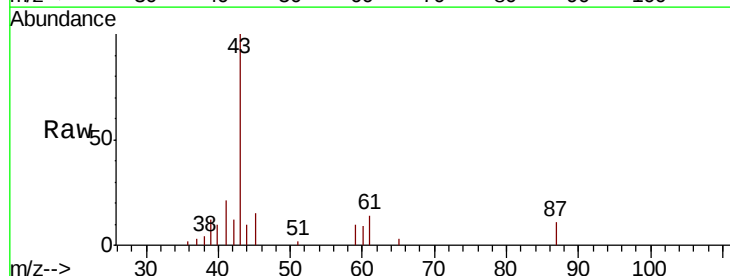


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

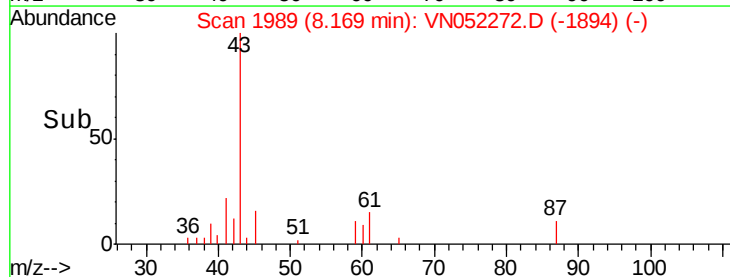
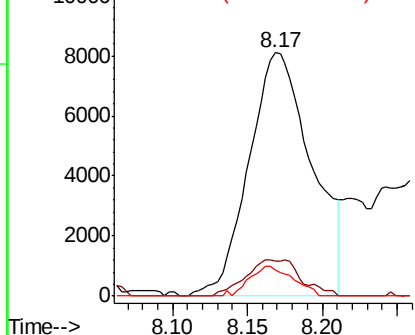


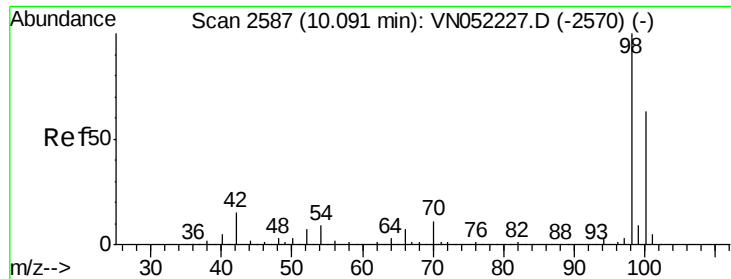
#43
 Isopropyl Acetate
 Concen: 3.070 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.01 min
 Lab File: VN052272.D
 Acq: 12 Nov 2018 19:38

Tgt Ion: 43 Resp: 23648
 Ion Ratio Lower Upper
 43 100
 61 8.3 14.2 21.4#
 87 8.5 8.4 12.6



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: VN052272.D

Acq: 12 Nov 2018 19:38

Instrument :

MSVOA_N

ClientSampleId :

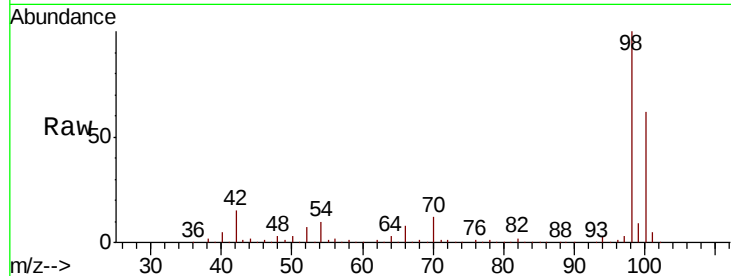
PB114678ZHE#16

Tot Ion: 98 Resp: 728273

Ion Ratio Lower Upper

98 100

100 62.6 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

300000

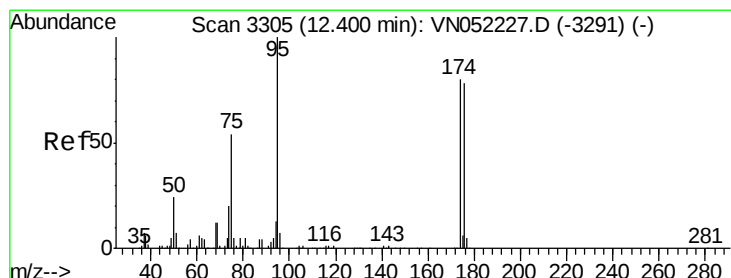
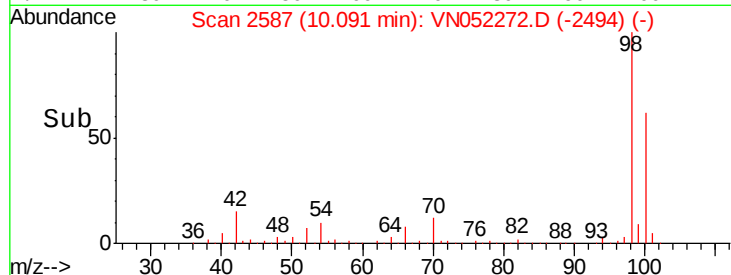
200000

100000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052272.D

Acq: 12 Nov 2018 19:38

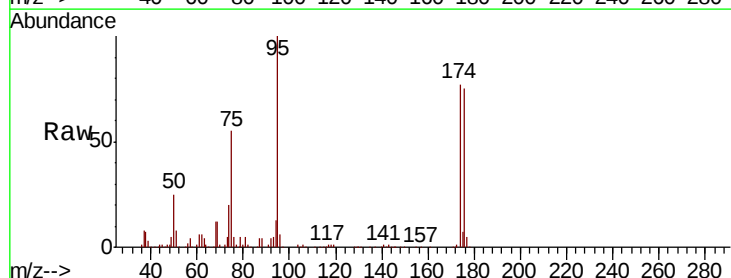
Tgt Ion: 95 Resp: 206219

Ion Ratio Lower Upper

95 100

174 77.8 0.0 159.4

176 75.4 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

150000

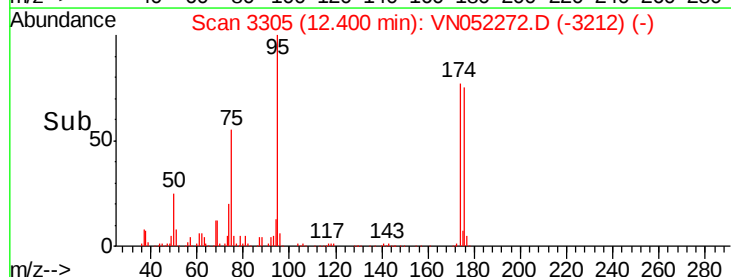
100000

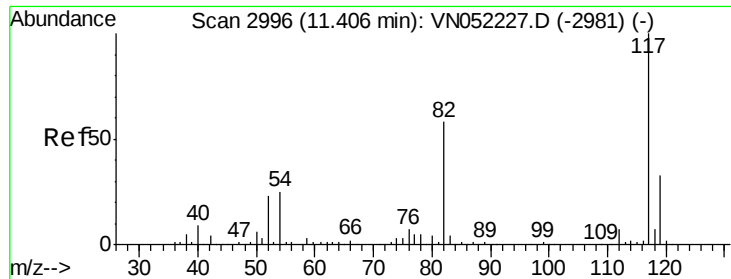
50000

0

Time-->

12.35 12.40 12.45

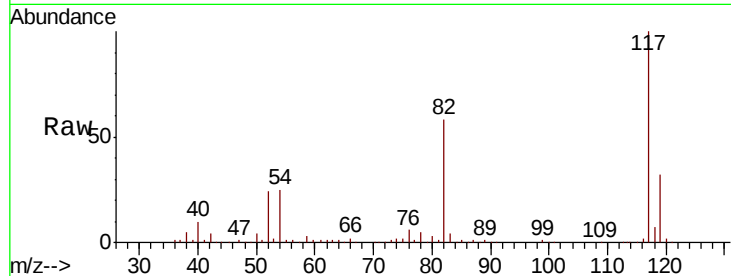




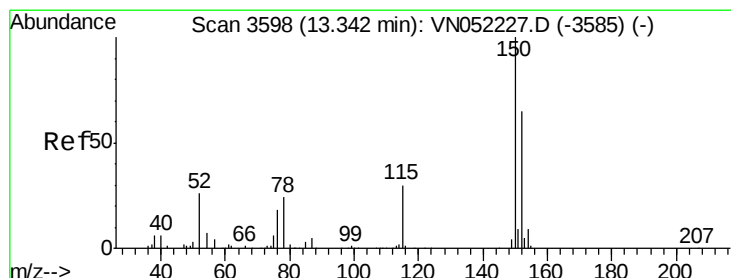
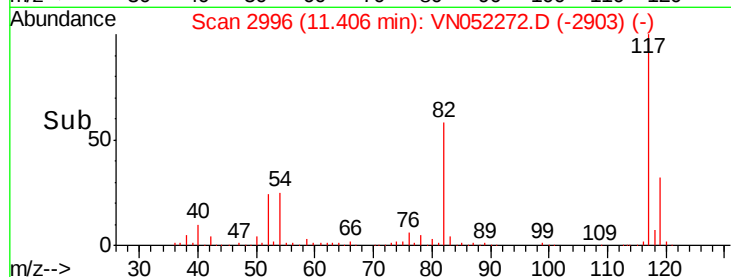
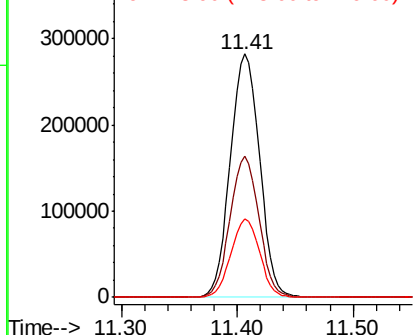
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052272.D
Acq: 12 Nov 2018 19:38

Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#16

Tot Ion:117 Resp: 494558
Ion Ratio Lower Upper
117 100
82 57.8 46.2 69.2
119 32.2 26.2 39.4

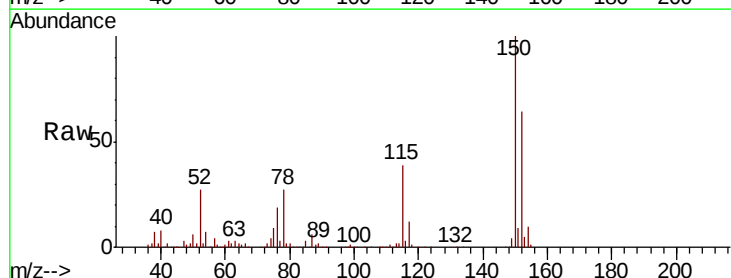


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052272.D
Acq: 12 Nov 2018 19:38

Tgt Ion:152 Resp: 167758
Ion Ratio Lower Upper
152 100
115 60.3 29.8 89.5
150 157.3 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

