

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111918\
 Data File : VN052384.D
 Acq On : 19 Nov 2018 14:53
 Operator : MD\SY
 Sample : PB114846TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114846TB

Quant Time: Nov 20 07:37:36 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	297284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	501156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	425315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146358	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	214877	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
35) Dibromofluoromethane	7.59	113	163339	50.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.06%	
50) Toluene-d8	10.09	98	632647	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	189544	45.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.62%	

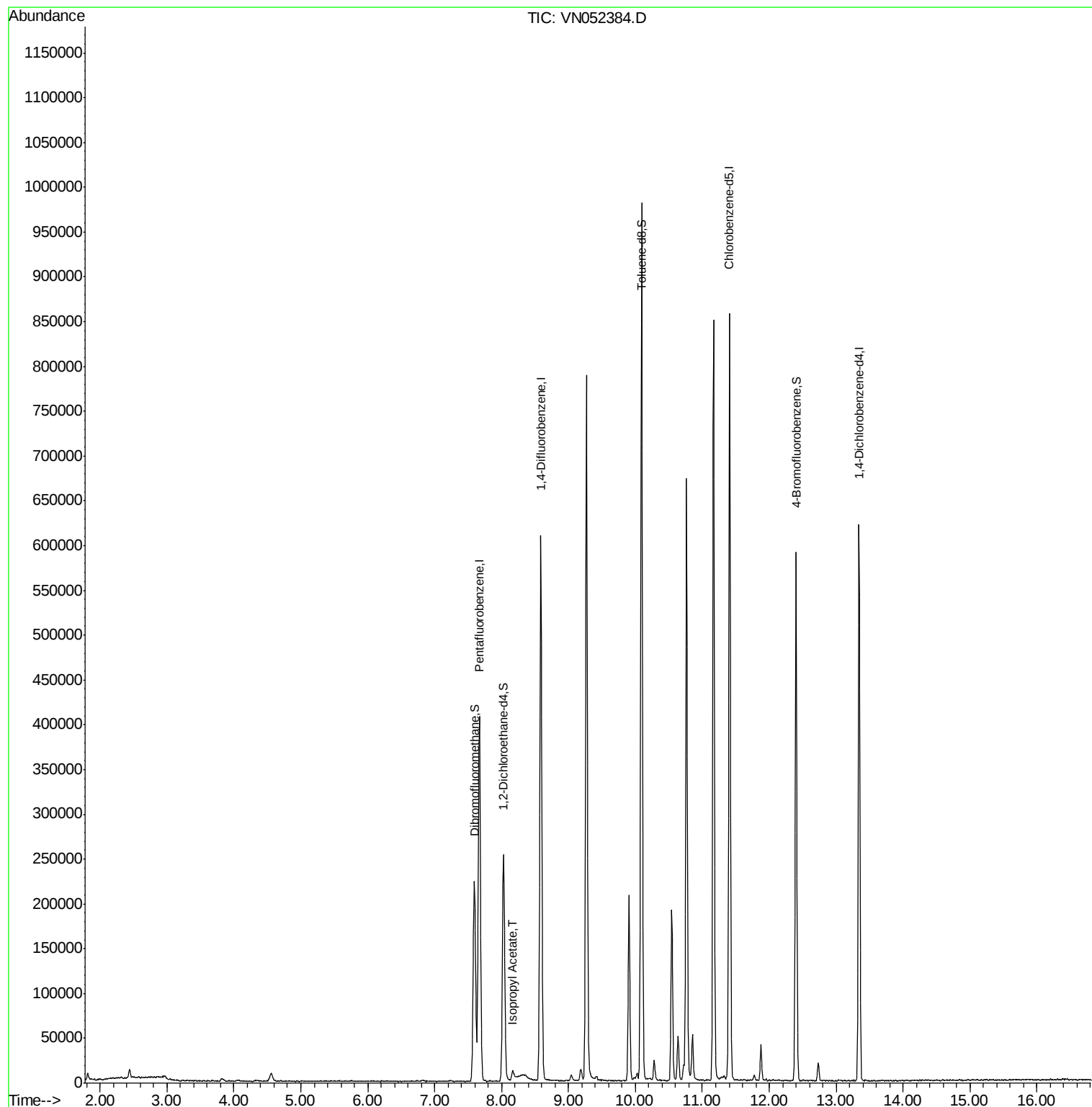
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
43) Isopropyl Acetate	8.17	43	16303	2.32	ug/l	98

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

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QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

Instrument :

MSVOA_N

ClientSampleId :

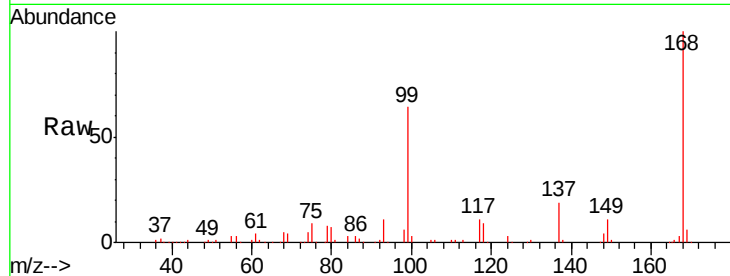
PB114846TB

Tgt Ion:168 Resp: 297284

Ion Ratio Lower Upper

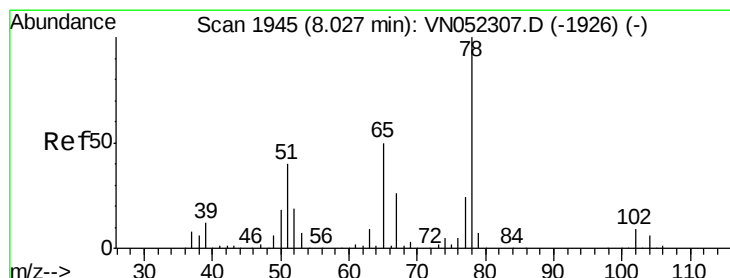
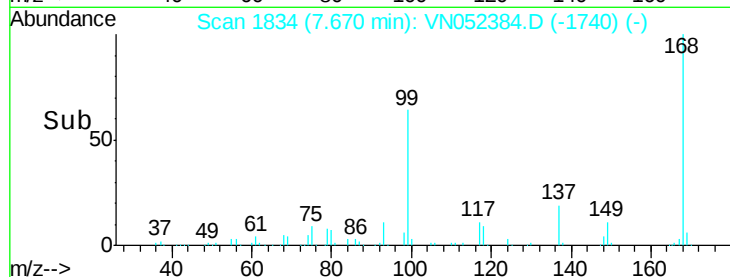
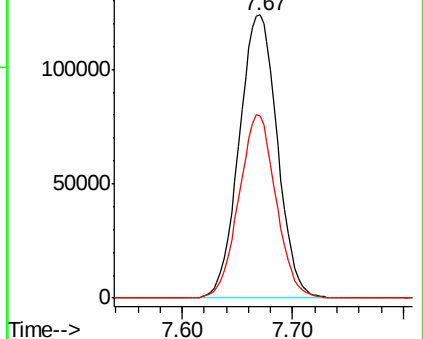
168 100

99 64.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052384.D

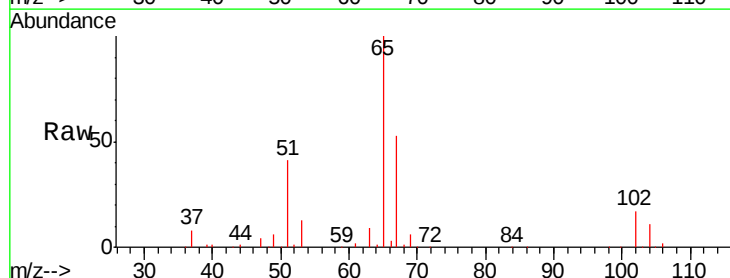
Acq: 19 Nov 2018 14:53

Tgt Ion: 65 Resp: 214877

Ion Ratio Lower Upper

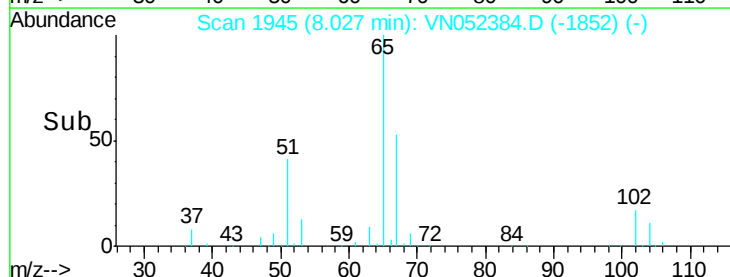
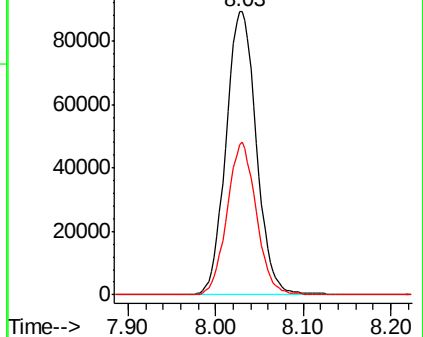
65 100

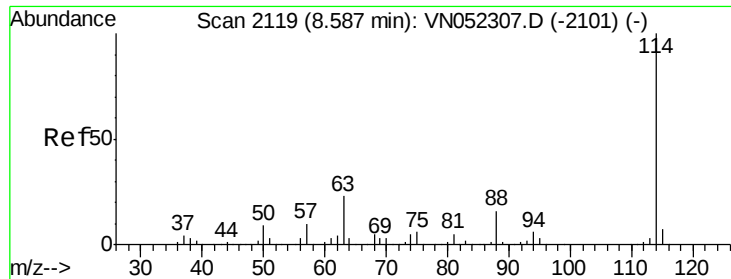
67 52.1 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

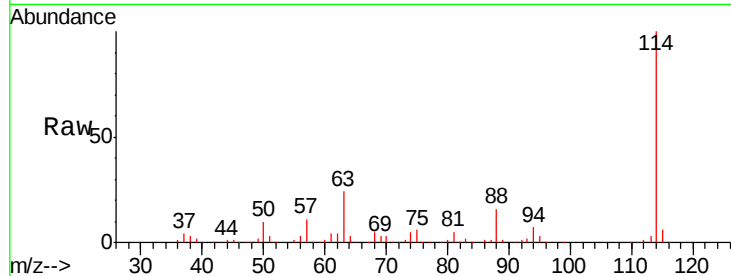




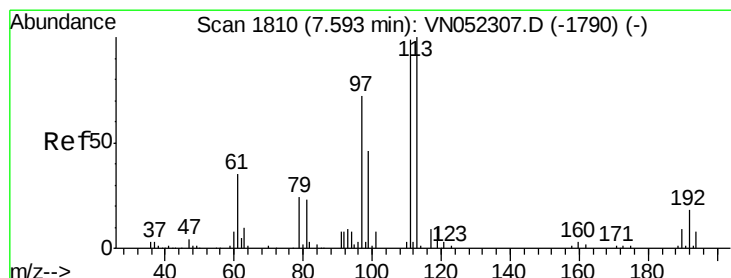
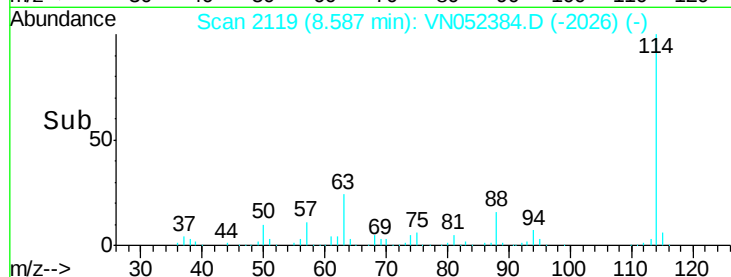
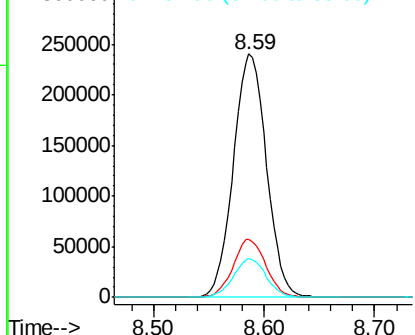
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052384.D
 Acq: 19 Nov 2018 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114846TB

Tgt Ion:114 Resp: 501156
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 45.4
 88 15.9 0.0 31.2

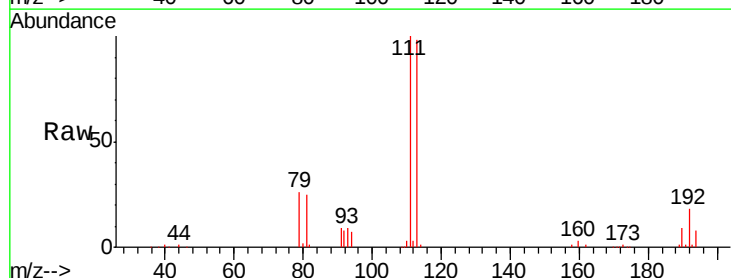


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

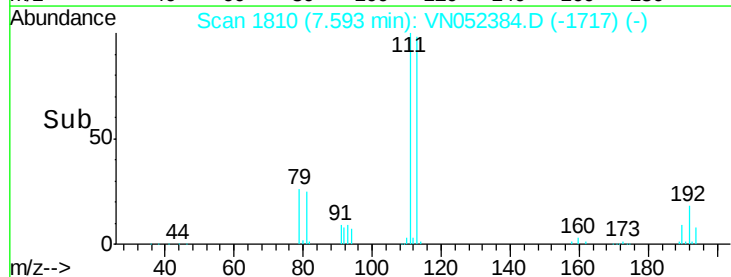
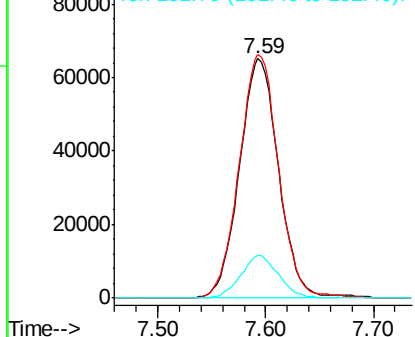


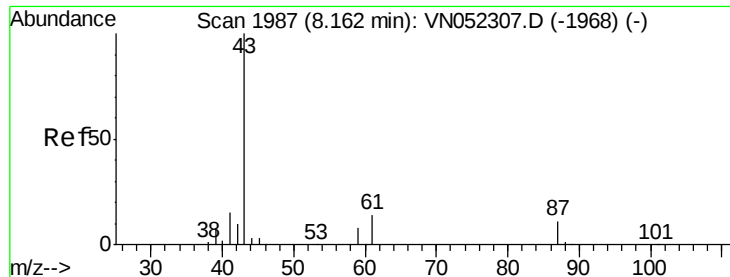
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052384.D
 Acq: 19 Nov 2018 14:53

Tgt Ion:113 Resp: 163339
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.0 121.6
 192 17.3 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: 2.32 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

Instrument :

MSVOA_N

ClientSampleId :

PB114846TB

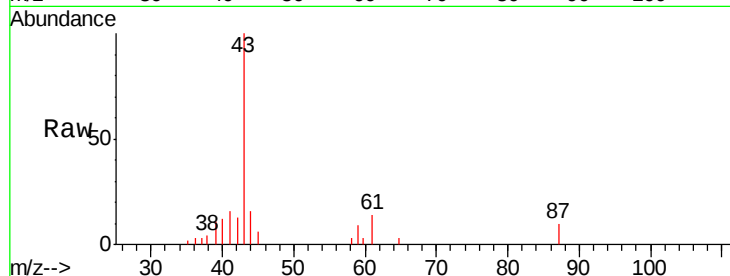
Tgt Ion: 43 Resp: 16303

Ion Ratio Lower Upper

43 100

61 14.7 12.0 18.0

87 9.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052307.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1968) (-)

8.17

6000

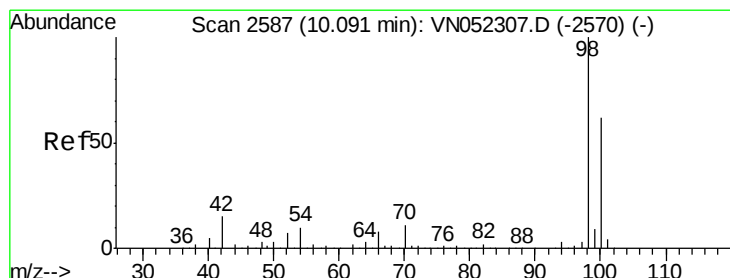
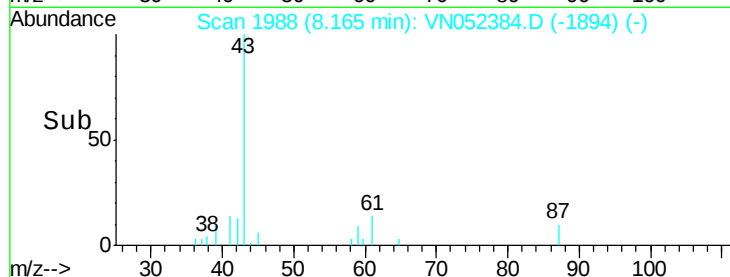
4000

2000

0

8.10 8.15 8.20 8.25

Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052384.D

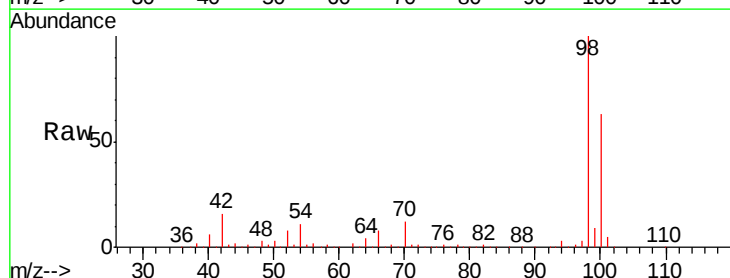
Acq: 19 Nov 2018 14:53

Tgt Ion: 98 Resp: 632647

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) (-)

Ion 100.00 (99.70 to 100.70): VN052307.D (-2570) (-)

10.09

400000

300000

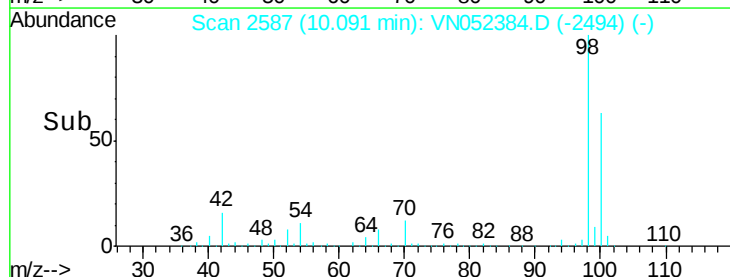
200000

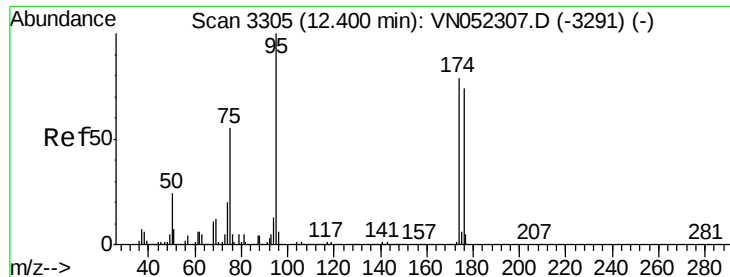
100000

0

10.00 10.10 10.20

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

Instrument :

MSVOA_N

ClientSampled :

PB114846TB

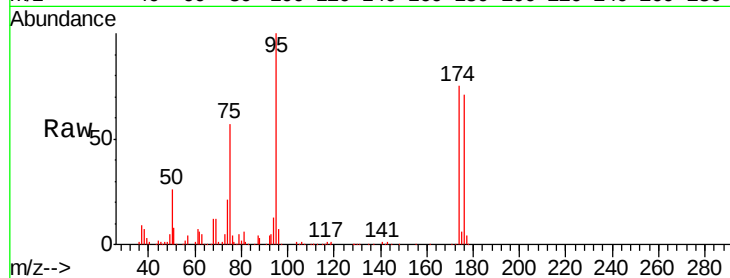
Tgt Ion: 95 Resp: 189544

Ion Ratio Lower Upper

95 100

174 74.1 0.0 156.0

176 71.2 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

12.40

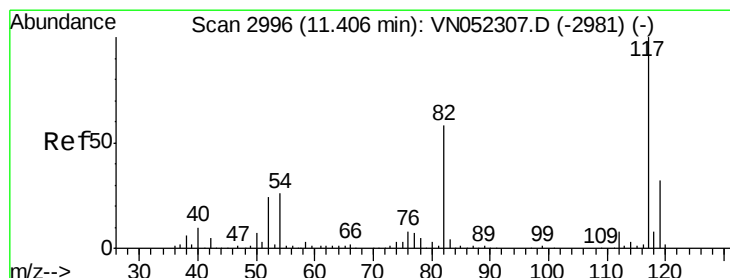
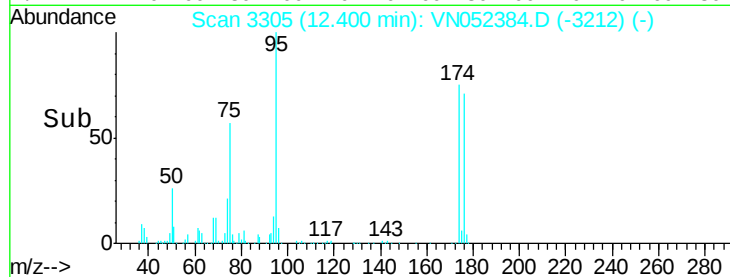
100000

50000

0

12.35 12.40 12.45

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

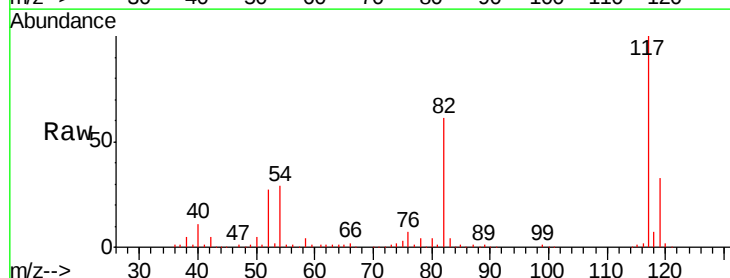
Tgt Ion: 117 Resp: 425315

Ion Ratio Lower Upper

117 100

82 60.7 46.5 69.7

119 32.6 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.41

300000

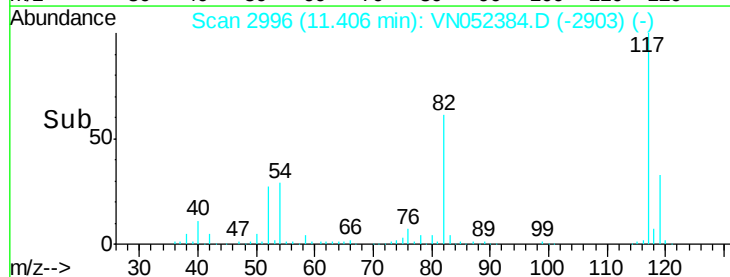
200000

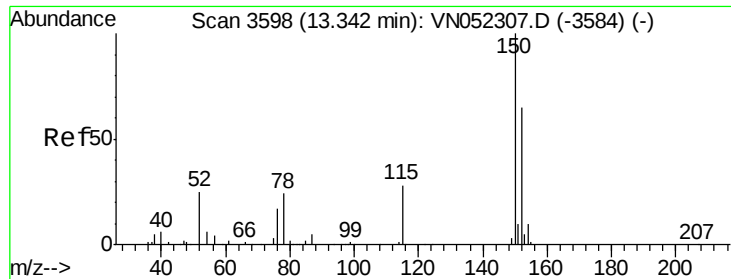
100000

0

11.30 11.40 11.50

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052384.D

Acq: 19 Nov 2018 14:53

Instrument :

MSVOA_N

ClientSampleId :

PB114846TB

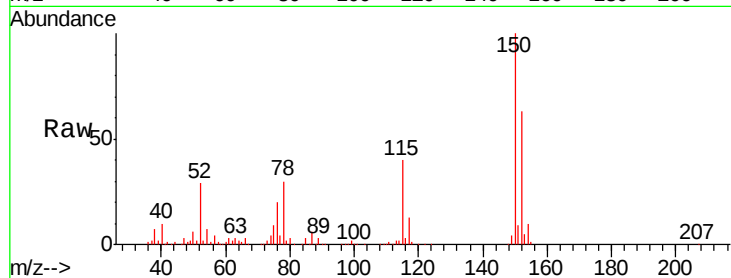
Tgt Ion:152 Resp: 146358

Ion Ratio Lower Upper

152 100

115 62.2 30.3 91.0

150 159.7 0.0 348.2



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

