

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052536.D
 Acq On : 28 Nov 2018 23:27
 Operator : MD\SY
 Sample : J6067-01DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1DL

Quant Time: Nov 29 09:26:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	182918	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1049564	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	867430	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	369376	29.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.80%
60) 4-Bromofluorobenzene	12.40	95	352079	26.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.50%
63) Toluene-d8	10.09	98	1218013	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

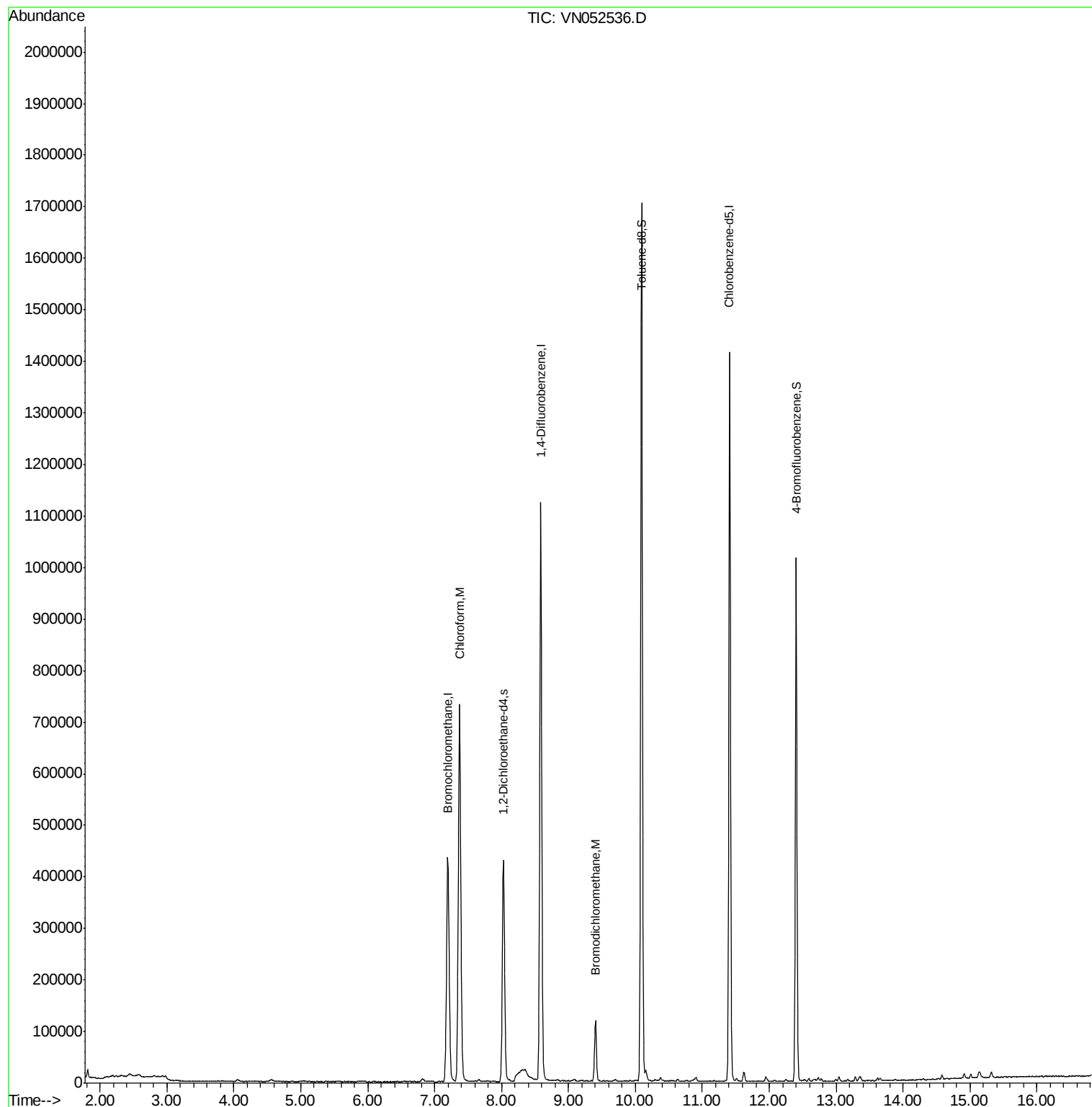
					Ovalue
25) Chloroform	7.37	83	785922	38.021	ug/l 99
41) Bromodichloromethane	9.40	83	83441	5.410	ug/l 99

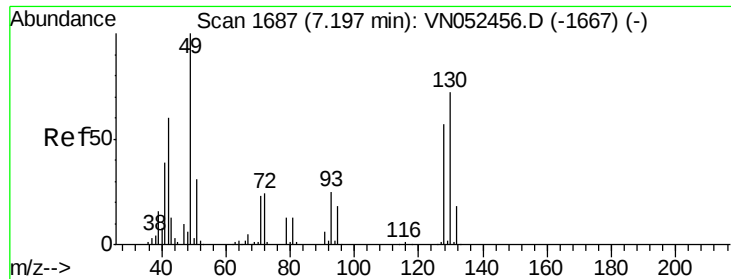
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052536.D

Acq: 28 Nov 2018 23:27

Instrument :

MSVOA_N

ClientSampled :

14B-1DL

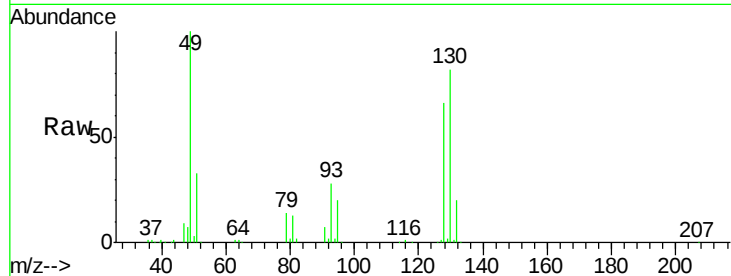
Tot Ion:128 Resp: 182918

Ion Ratio Lower Upper

128 100

49 156.9 0.0 431.8

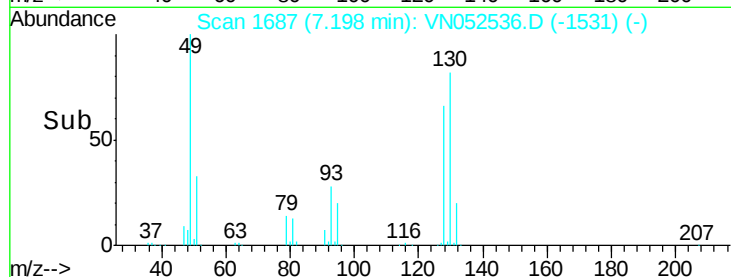
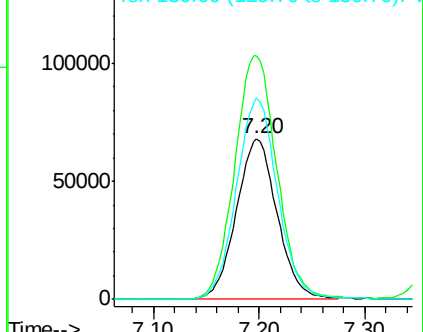
130 127.0 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#25

Chloroform

Concen: 38.021 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN052536.D

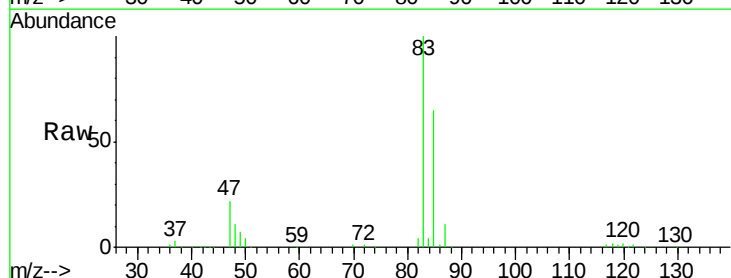
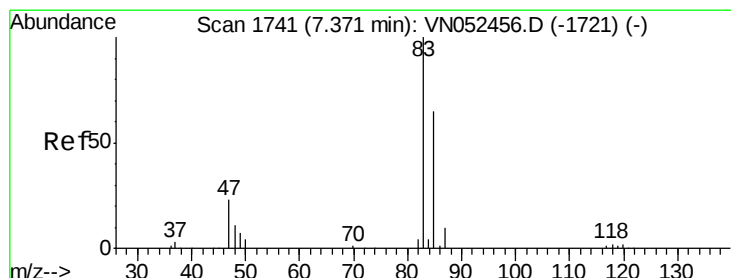
Acq: 28 Nov 2018 23:27

Tgt Ion: 83 Resp: 785922

Ion Ratio Lower Upper

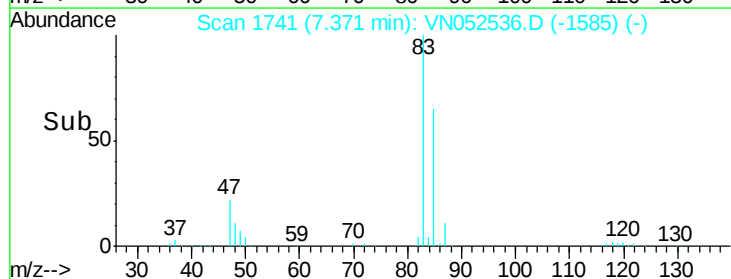
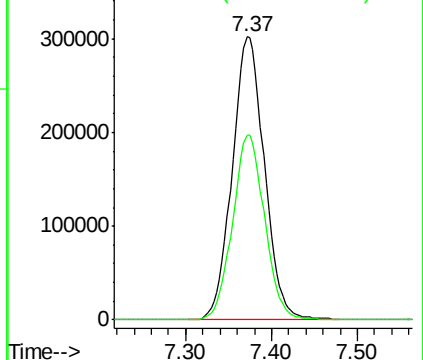
83 100

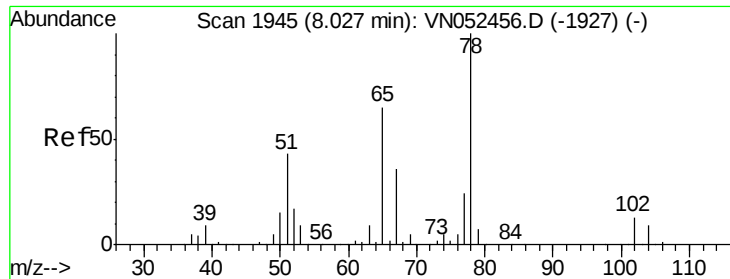
85 65.2 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 85.00 (84.70 to 85.70): VNO





#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052536.D

Acq: 28 Nov 2018 23:27

Instrument :

MSVOA_N

ClientSampleId :

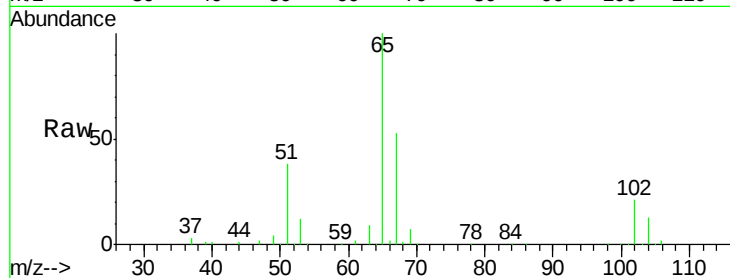
14B-1DL

Tot Ion: 65 Resp: 369376

Ion Ratio Lower Upper

65 100

67 54.3 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN052536.D (-1789) (-)

Ion 67.00 (66.70 to 67.70): VN052536.D (-1789) (-)

8.03

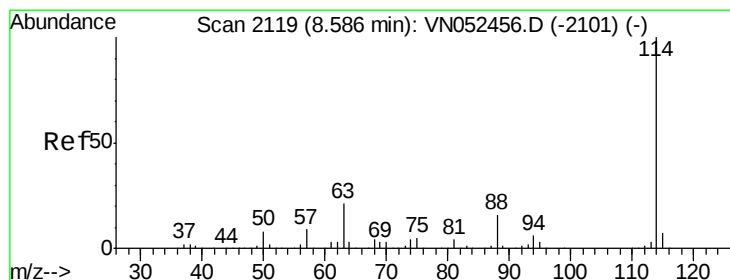
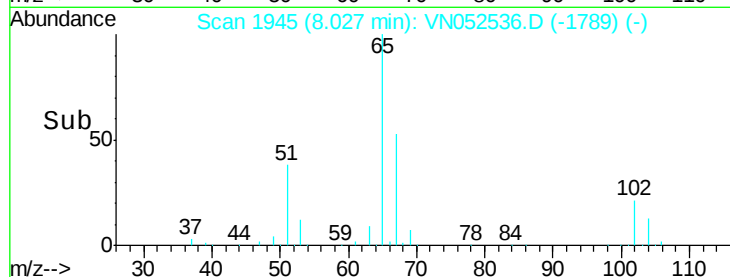
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052536.D

Acq: 28 Nov 2018 23:27

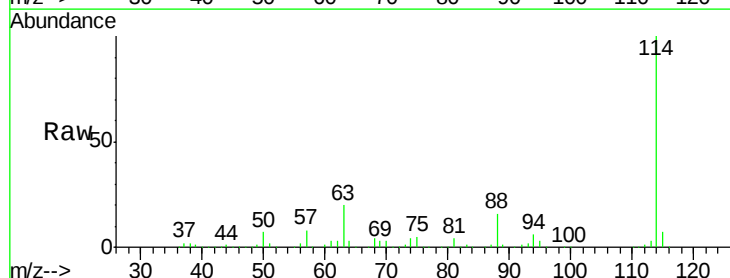
Tgt Ion: 114 Resp: 1049564

Ion Ratio Lower Upper

114 100

63 20.1 16.9 25.3

88 15.6 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN052536.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN052536.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN052536.D (-1963) (-)

8.59

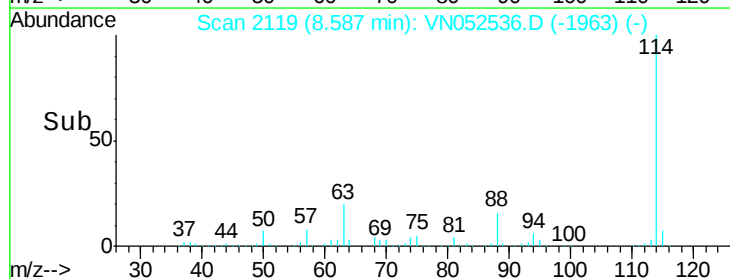
600000

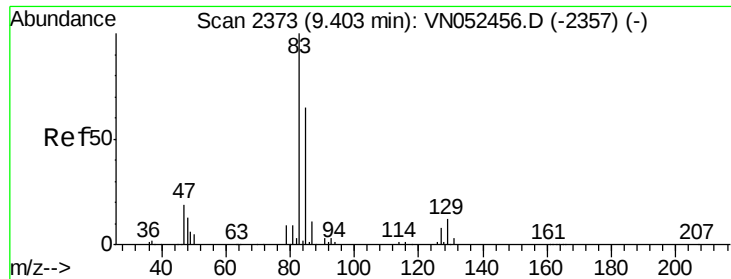
400000

200000

0

Time--> 8.50 8.60 8.70





#41

Bromodichloromethane

Concen: 5.410 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052536.D

Acq: 28 Nov 2018 23:27

Instrument :

MSVOA_N

ClientSampled :

14B-1DL

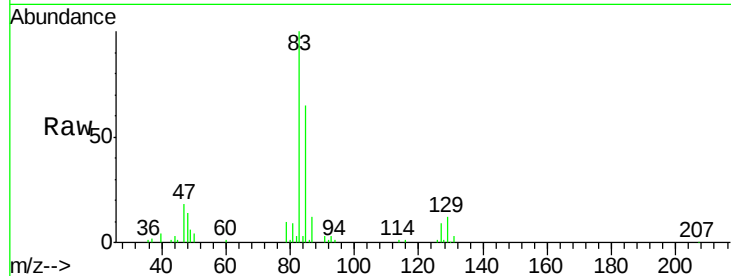
Tot Ion: 83 Resp: 83441

Ion Ratio Lower Upper

83 100

85 64.9 52.4 78.6

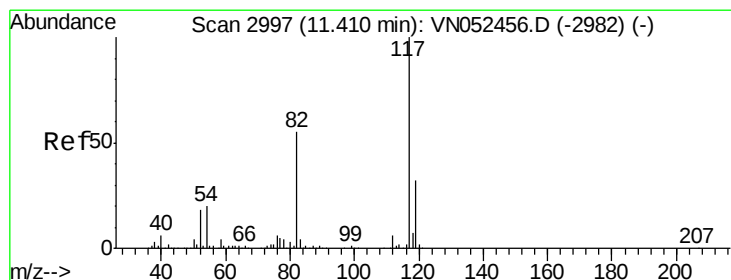
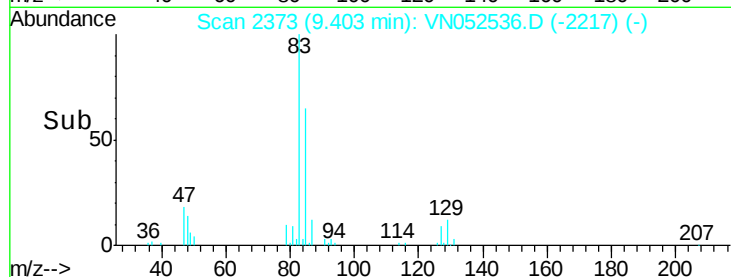
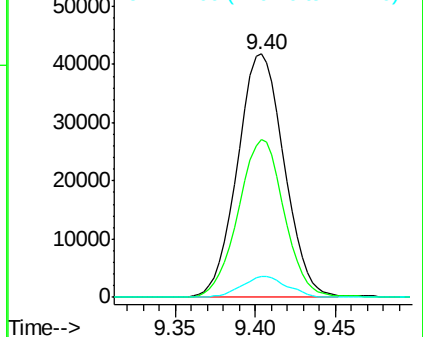
127 8.7 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052456.D (-2357) (-)

Ion 85.00 (84.70 to 85.70): VN052456.D (-2357) (-)

Ion 127.00 (126.70 to 127.70): VN052456.D (-2357) (-)



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN052536.D

Acq: 28 Nov 2018 23:27

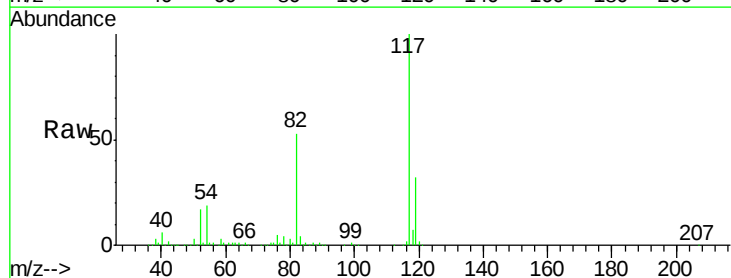
Tgt Ion: 117 Resp: 867430

Ion Ratio Lower Upper

117 100

82 54.2 44.2 66.2

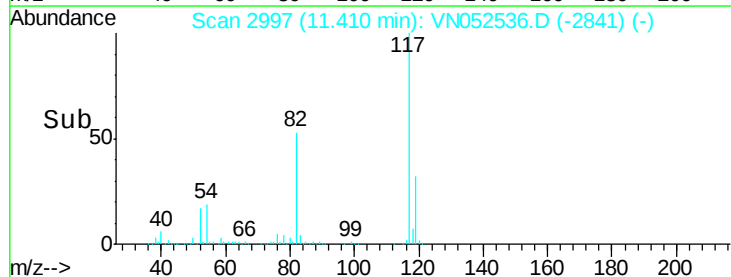
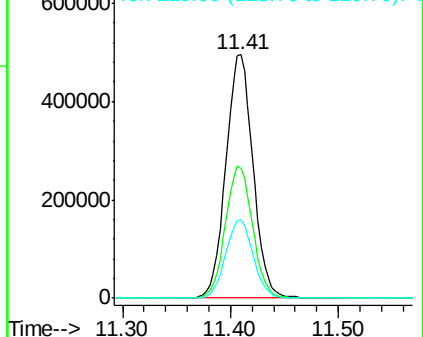
119 32.5 25.4 38.2

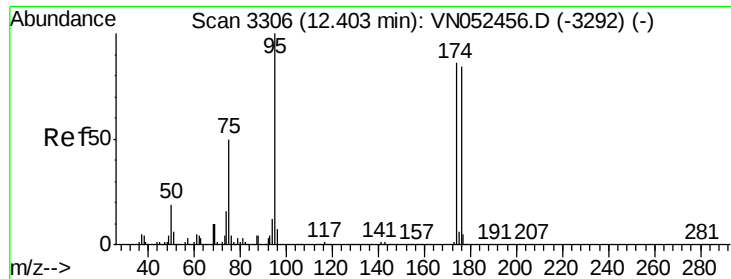


Abundance Ion 117.00 (116.70 to 117.70): VN052456.D (-2982) (-)

Ion 82.00 (81.70 to 82.70): VN052456.D (-2982) (-)

Ion 119.00 (118.70 to 119.70): VN052456.D (-2982) (-)

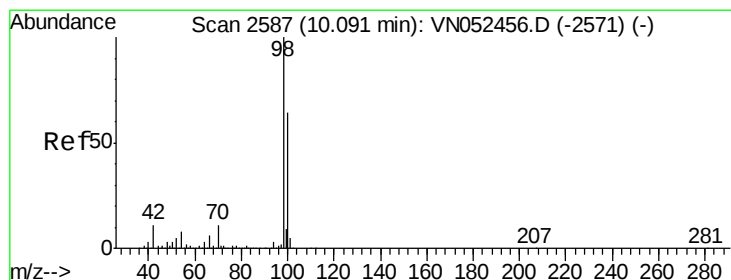
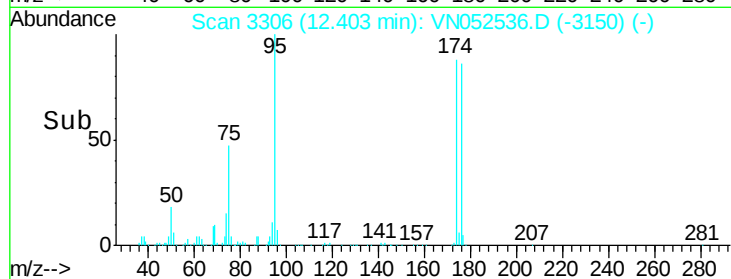
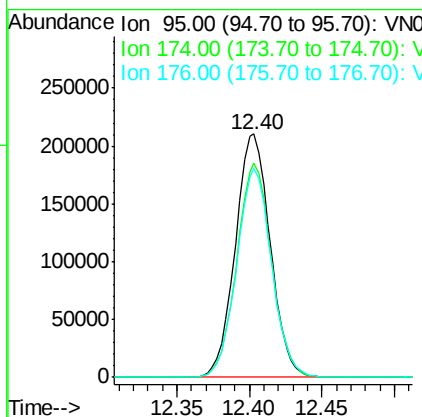
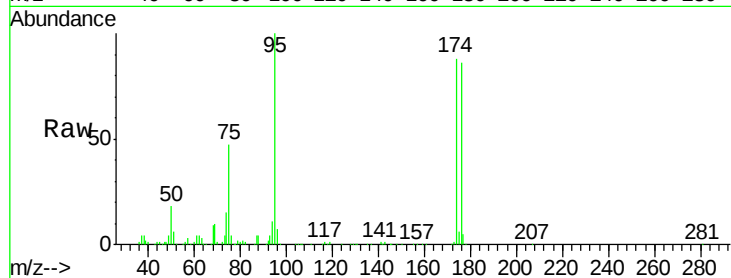




#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052536.D
Acq: 28 Nov 2018 23:27

Instrument :
MSVOA_N
ClientSampled :
14B-1DL

Tot Ion: 95 Resp: 352079
Ion Ratio Lower Upper
95 100
174 87.8 67.9 101.9
176 85.7 66.4 99.6



#63
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052536.D
Acq: 28 Nov 2018 23:27

Tgt Ion: 98 Resp: 1218013
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7

