

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052537.D
 Acq On : 28 Nov 2018 23:54
 Operator : MD\SY
 Sample : J6067-02DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2DL

Quant Time: Nov 29 09:27:49 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	176057	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1014571	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	832482	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	354486	29.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.50%
60) 4-Bromofluorobenzene	12.40	95	333020	26.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.20%
63) Toluene-d8	10.09	98	1171793	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

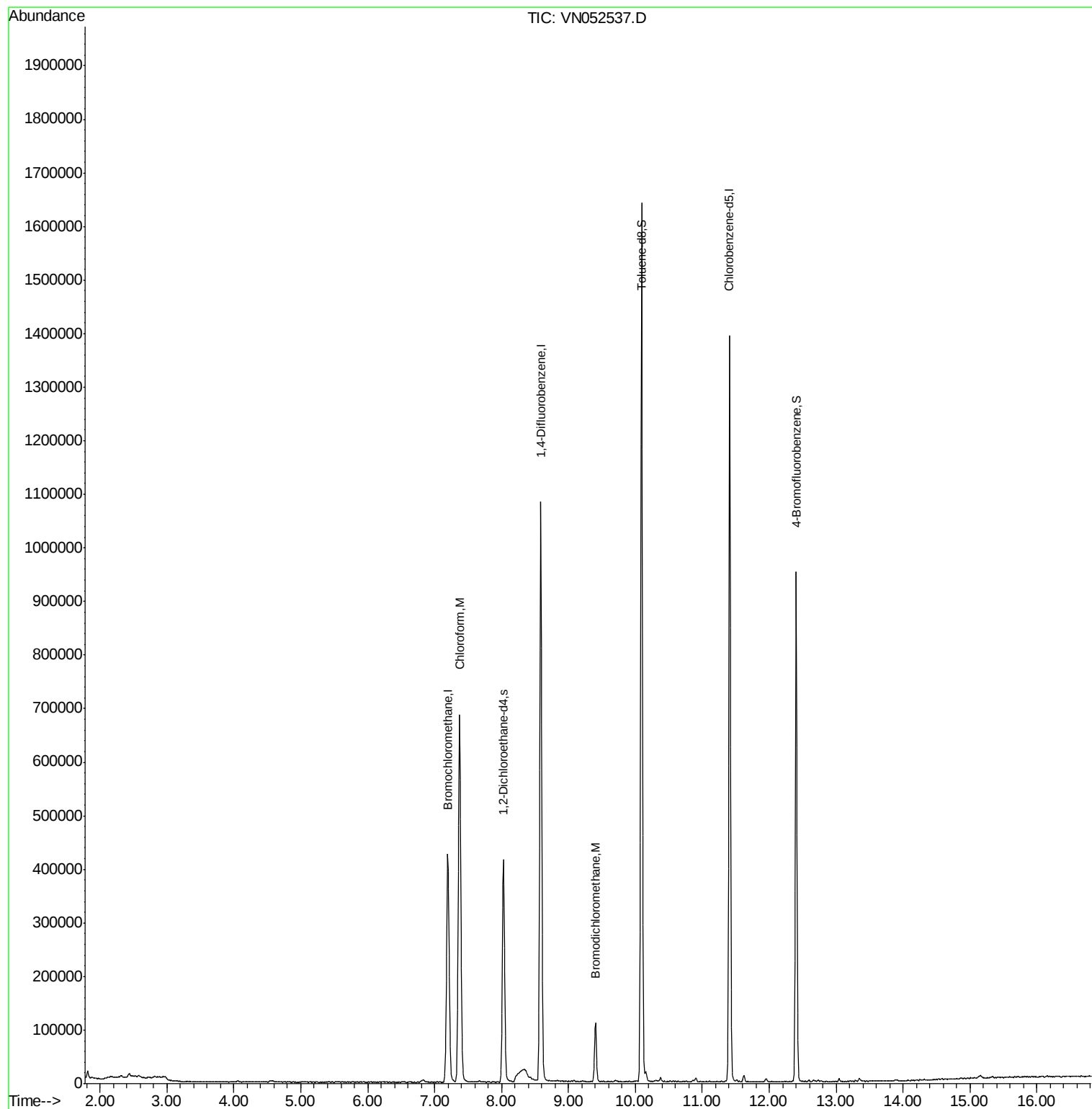
					Ovalue
25) Chloroform	7.37	83	744205	37.406	ug/l 99
41) Bromodichloromethane	9.40	83	79350	5.323	ug/l 100

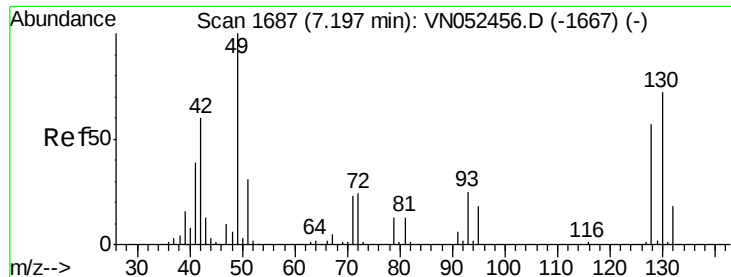
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052537.D

Acq: 28 Nov 2018 23:54

Instrument :

MSVOA_N

ClientSampled :

14B-2DL

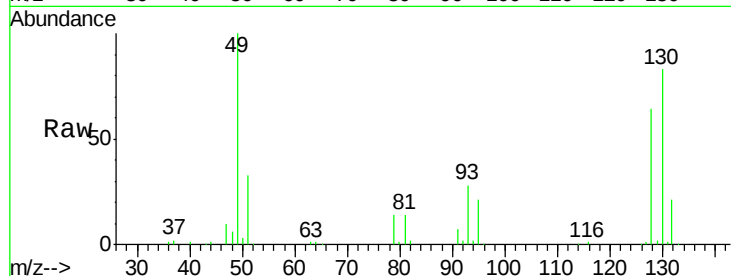
Tot Ion:128 Resp: 176057

Ion Ratio Lower Upper

128 100

49 157.3 0.0 431.8

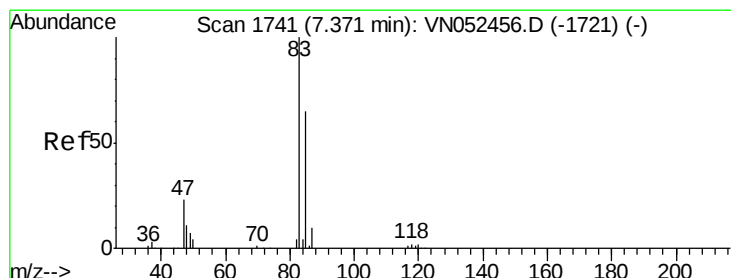
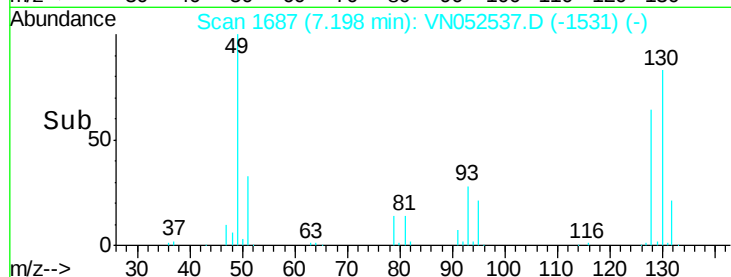
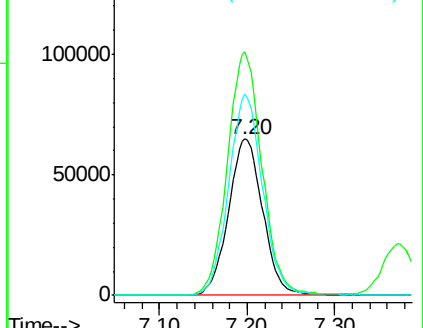
130 128.2 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#25

Chloroform

Concen: 37.406 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052537.D

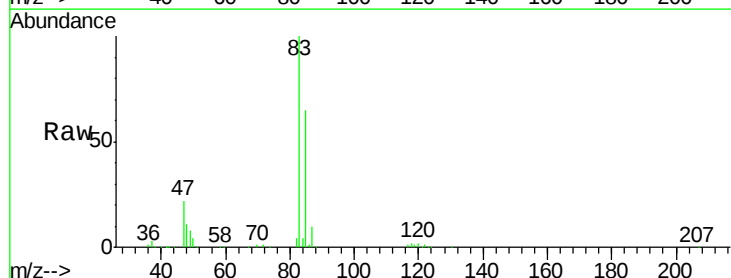
Acq: 28 Nov 2018 23:54

Tgt Ion: 83 Resp: 744205

Ion Ratio Lower Upper

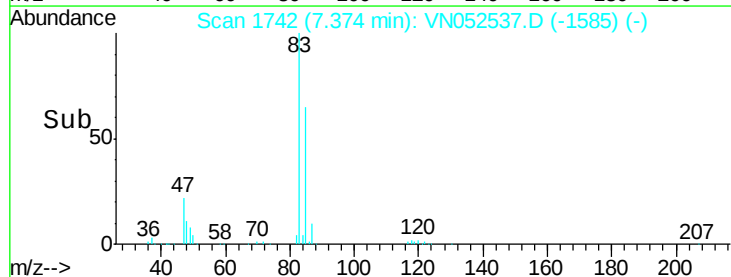
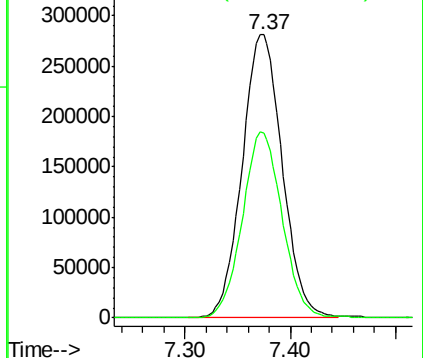
83 100

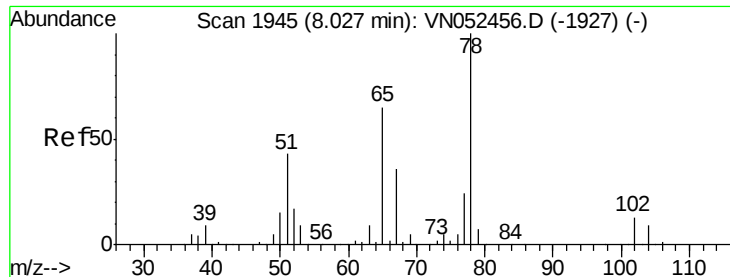
85 65.2 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0





#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052537.D

Acq: 28 Nov 2018 23:54

Instrument :

MSVOA_N

ClientSampleId :

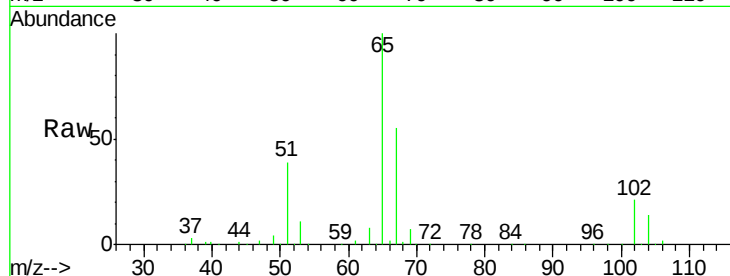
14B-2DL

Tot Ion: 65 Resp: 354486

Ion Ratio Lower Upper

65 100

67 54.0 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN052537.D (-1789) (-)

Ion 67.00 (66.70 to 67.70): VN052537.D (-1789) (-)

8.03

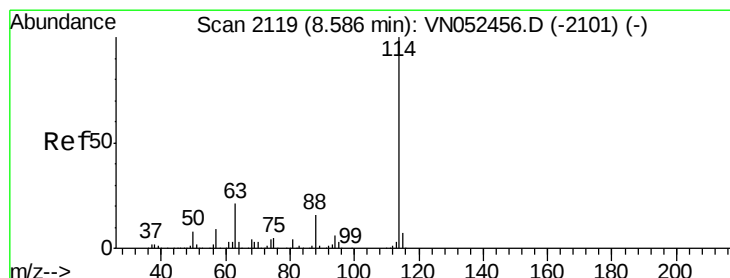
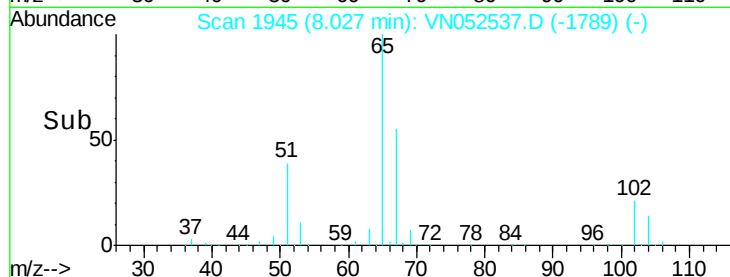
150000

100000

50000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052537.D

Acq: 28 Nov 2018 23:54

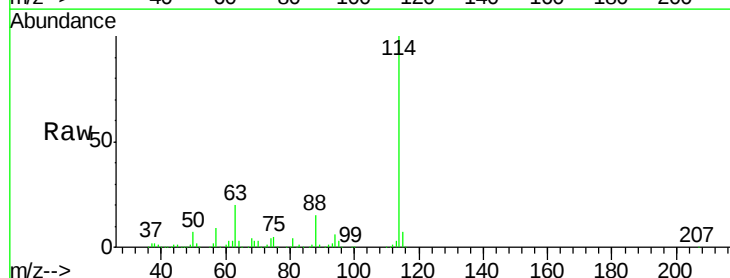
Tgt Ion: 114 Resp: 1014571

Ion Ratio Lower Upper

114 100

63 19.9 16.9 25.3

88 15.3 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN052537.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN052537.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN052537.D (-1963) (-)

8.59

600000

500000

400000

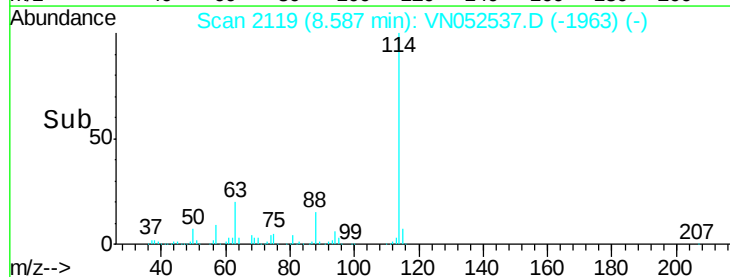
300000

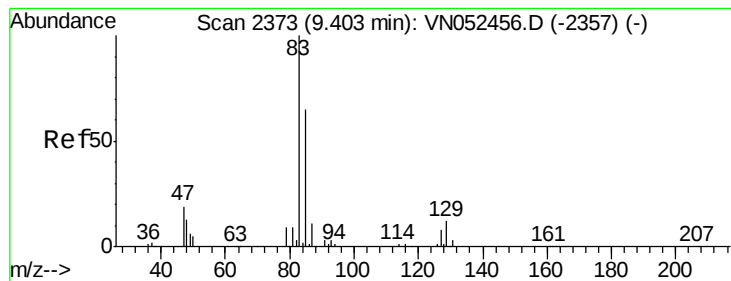
200000

100000

0

Time-->





#41

Bromodichloromethane

Concen: 5.323 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052537.D

Acq: 28 Nov 2018 23:54

Instrument :

MSVOA_N

ClientSampled :

14B-2DL

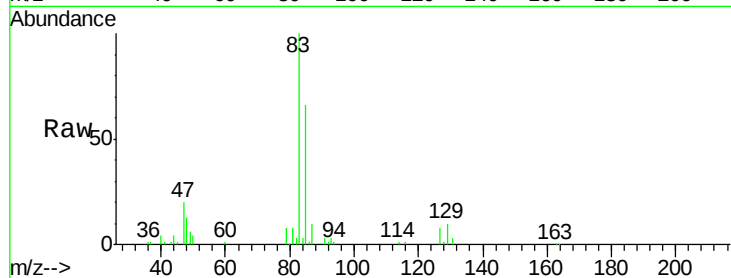
Tot Ion: 83 Resp: 79350

Ion Ratio Lower Upper

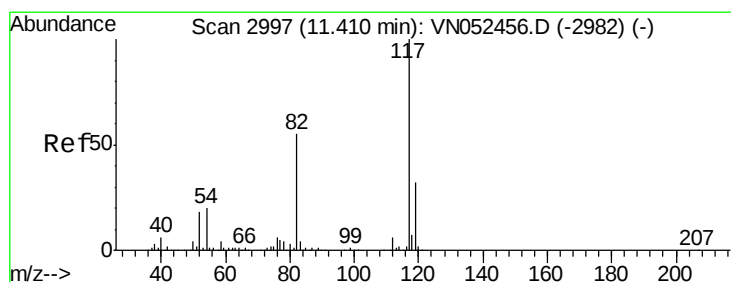
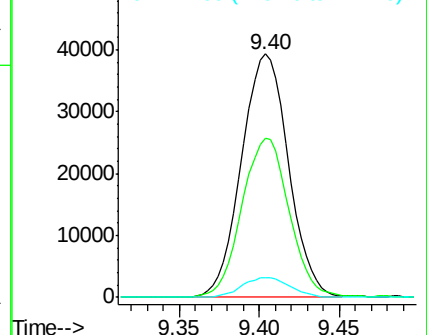
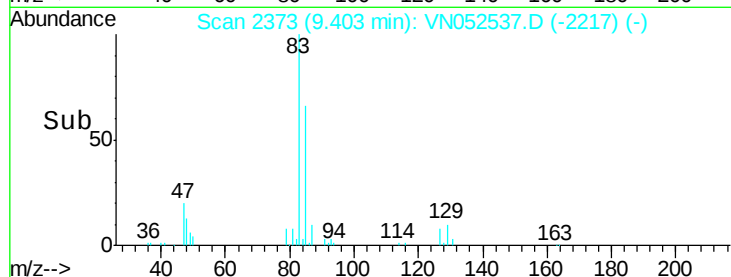
83 100

85 65.5 52.4 78.6

127 8.2 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052537.D (-2217) (-)



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN052537.D

Acq: 28 Nov 2018 23:54

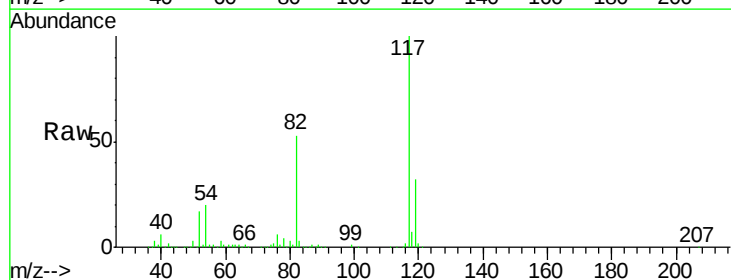
Tgt Ion: 117 Resp: 832482

Ion Ratio Lower Upper

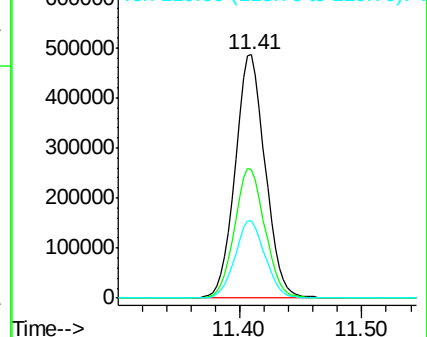
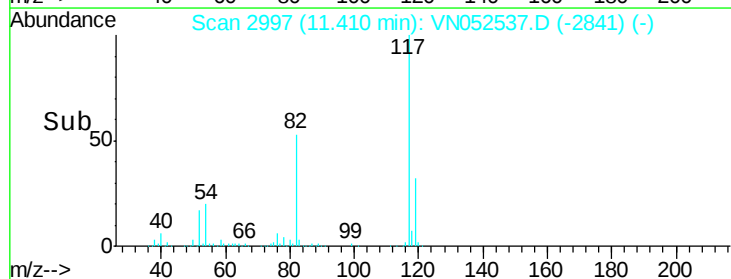
117 100

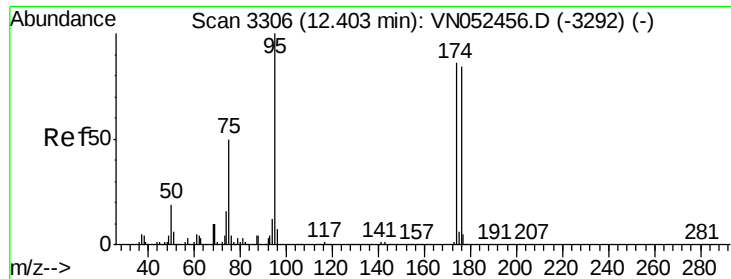
82 54.1 44.2 66.2

119 32.1 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): VN052537.D (-2841) (-)





#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052537.D

Acq: 28 Nov 2018 23:54

Instrument :

MSVOA_N

ClientSampled :

14B-2DL

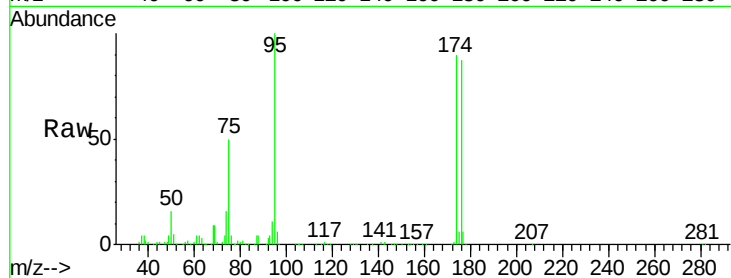
Tot Ion: 95 Resp: 333020

Ion Ratio Lower Upper

95 100

174 88.8 67.9 101.9

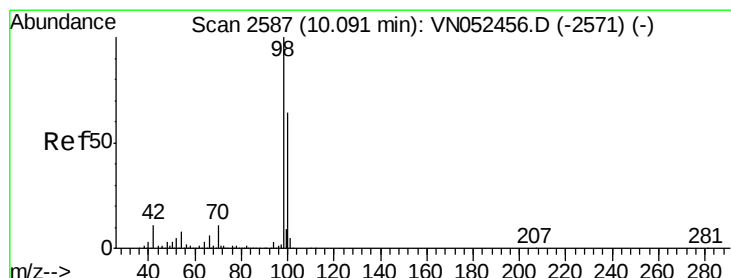
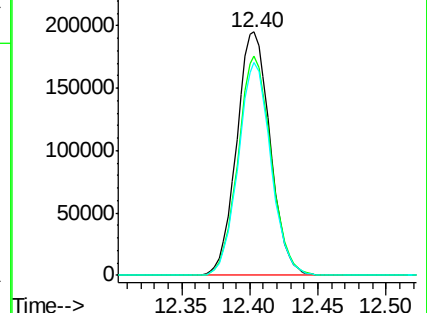
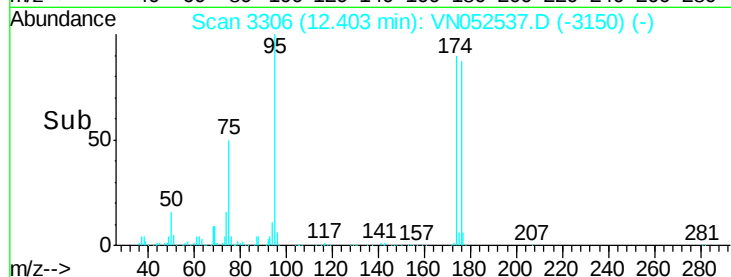
176 85.0 66.4 99.6



Abundance Ion 95.00 (94.70 to 95.70): VN052537.D (-3150) (-)

Ion 174.00 (173.70 to 174.70): VN052537.D (-3150) (-)

Ion 176.00 (175.70 to 176.70): VN052537.D (-3150) (-)



#63

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052537.D

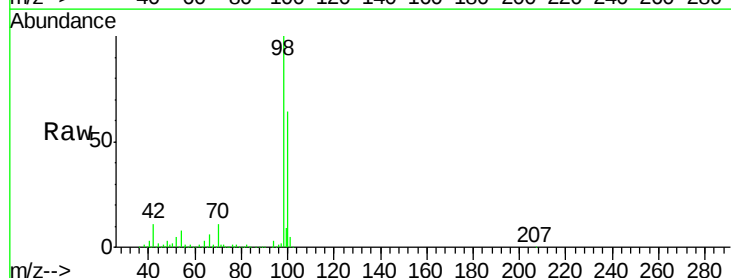
Acq: 28 Nov 2018 23:54

Tgt Ion: 98 Resp: 1171793

Ion Ratio Lower Upper

98 100

100 64.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052537.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN052537.D (-2431) (-)

