

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055737.D
 Acq On : 22 May 2019 23:37
 Operator : JC/SP
 Sample : K2965-01 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: Jun 01 00:27:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55871	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	291247	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	232870	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	111140	30.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.43%
60) 4-Bromofluorobenzene	12.40	95	88981	24.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	81.87%
63) Toluene-d8	10.09	98	338618	31.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.07%

Target Compounds

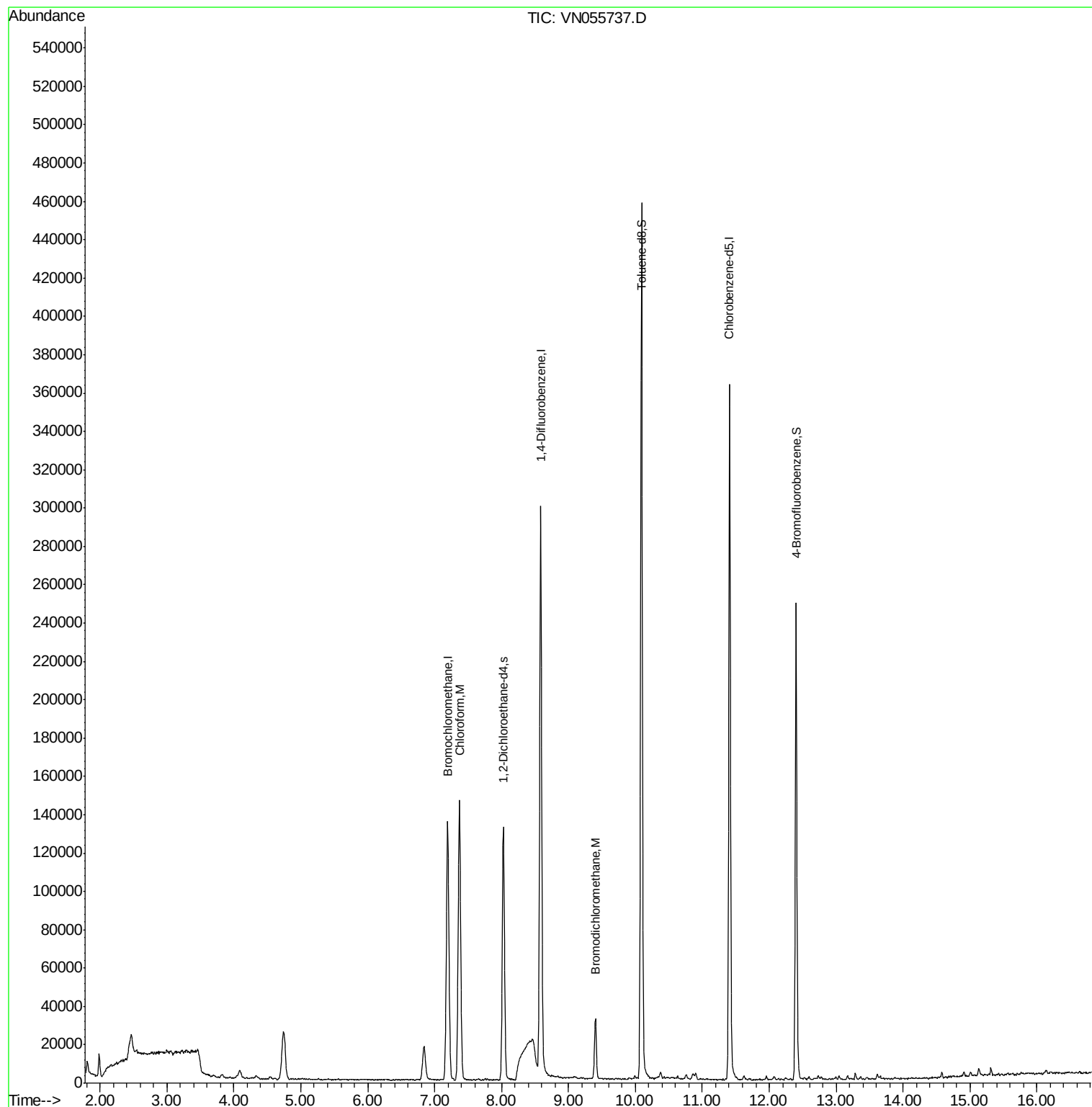
					Ovalue
25) Chloroform	7.37	83	157426	27.372	ug/l 100
41) Bromodichloromethane	9.40	83	22870	5.107	ug/l 98

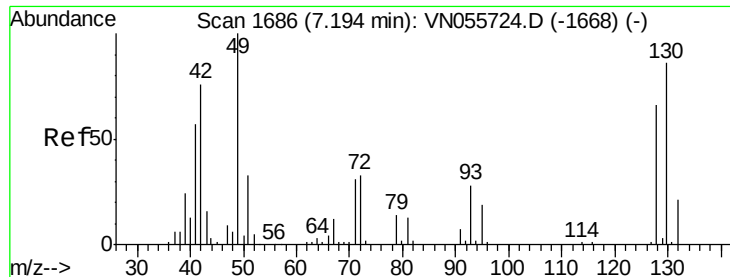
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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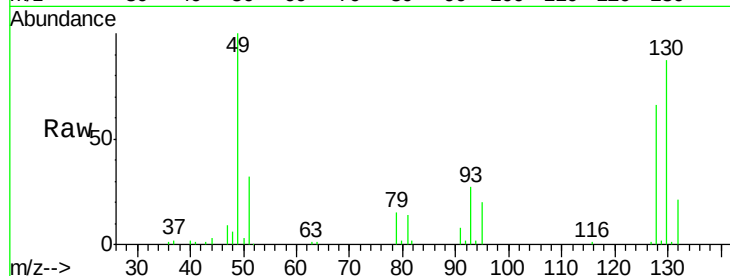




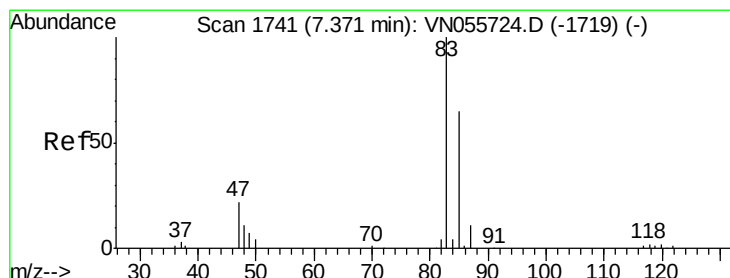
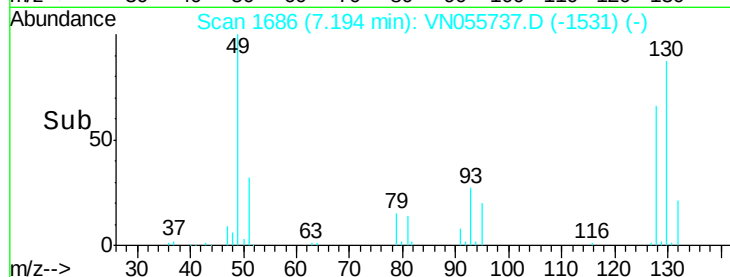
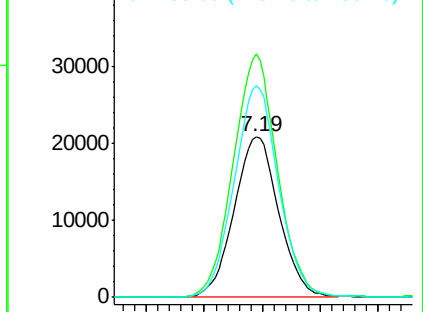
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055737.D
 Acq: 22 May 2019 23:37

Instrument :
 MSVOA_N
 ClientSampled :
 14B-1

Tot Ion:128 Resp: 55871
 Ion Ratio Lower Upper
 128 100
 49 149.1 0.0 383.2
 130 131.5 0.0 326.3

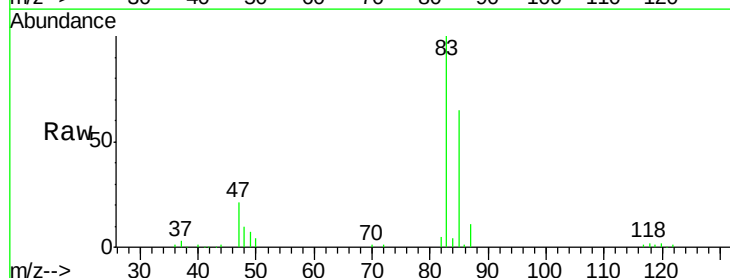


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

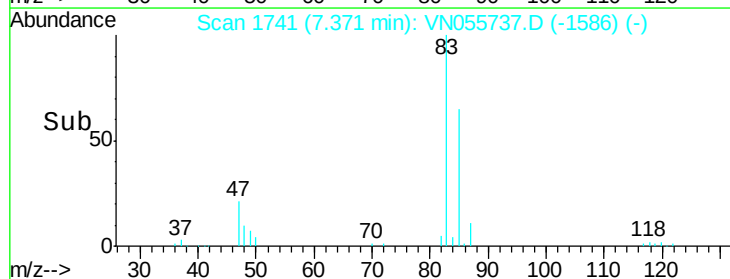
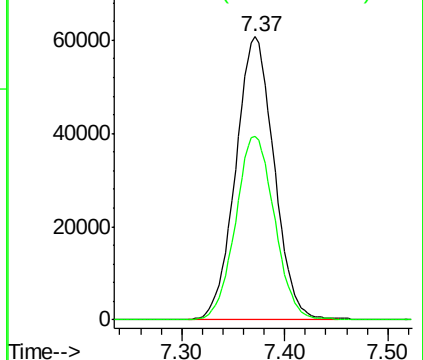


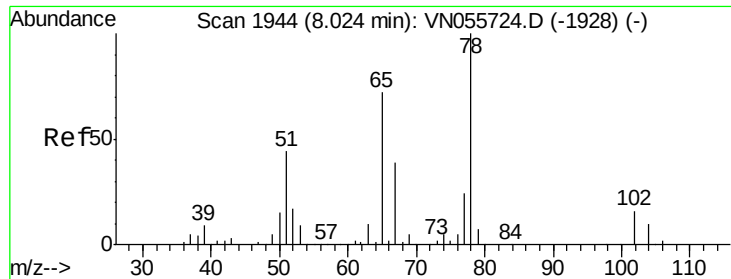
#25
 Chloroform
 Concen: 27.372 ug/l
 RT: 7.37 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VN055737.D
 Acq: 22 May 2019 23:37

Tgt Ion: 83 Resp: 157426
 Ion Ratio Lower Upper
 83 100
 85 64.8 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 85.00 (84.70 to 85.70): VN





#27

1,2-Dichloroethane-d4

Concen: 30.433 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055737.D

Acq: 22 May 2019 23:37

Instrument :

MSVOA_N

ClientSampled :

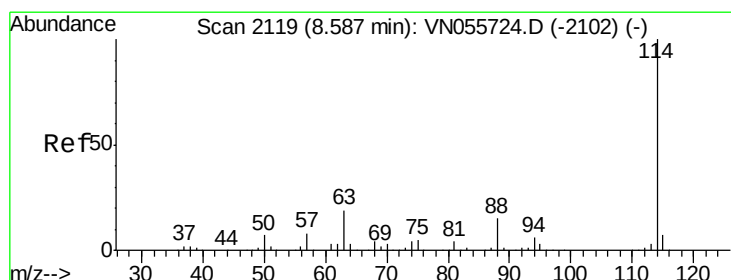
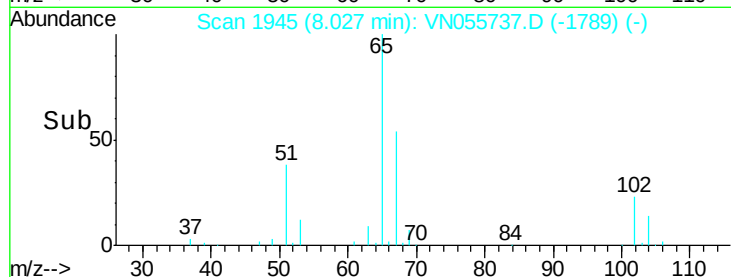
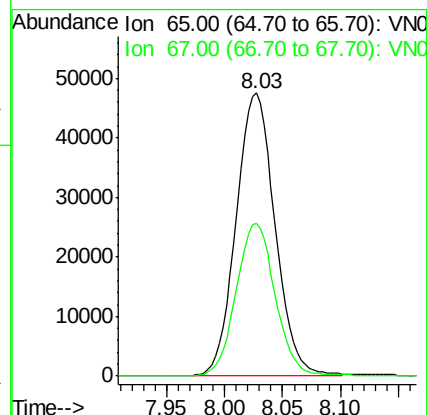
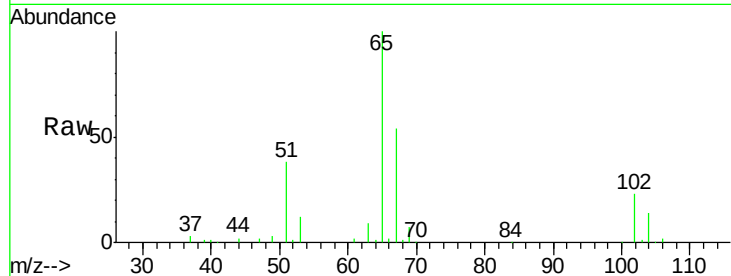
14B-1

Tot Ion: 65 Resp: 111140

Ion Ratio Lower Upper

65 100

67 53.9 43.5 65.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055737.D

Acq: 22 May 2019 23:37

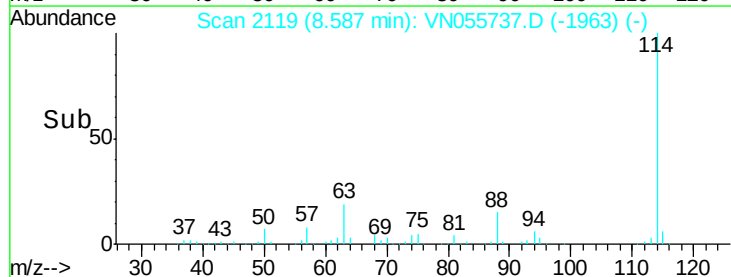
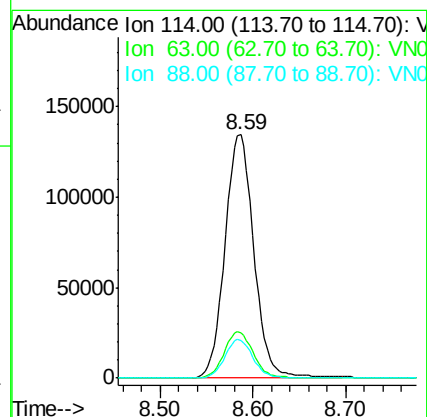
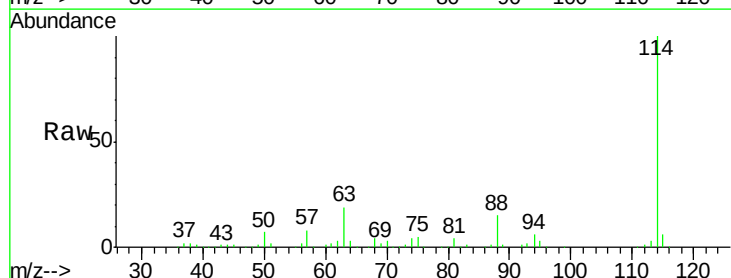
Tgt Ion: 114 Resp: 291247

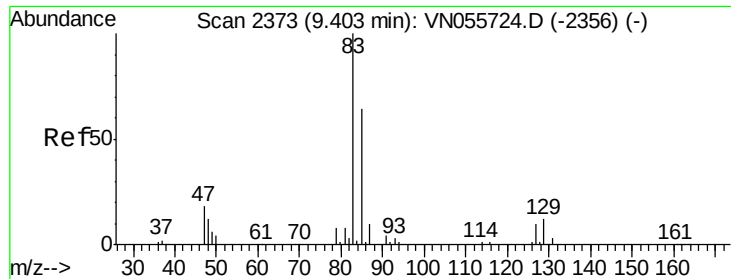
Ion Ratio Lower Upper

114 100

63 19.2 15.6 23.4

88 15.4 12.3 18.5





#41

Bromodichloromethane

Concen: 5.107 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055737.D

Acq: 22 May 2019 23:37

Instrument :

MSVOA_N

ClientSampleId :

14B-1

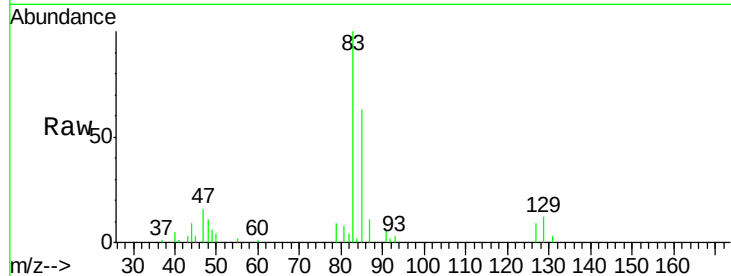
Tot Ion: 83 Resp: 22870

Ion Ratio Lower Upper

83 100

85 63.0 51.4 77.0

127 8.6 7.7 11.5

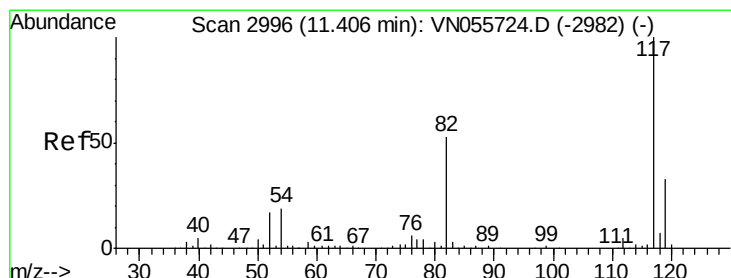
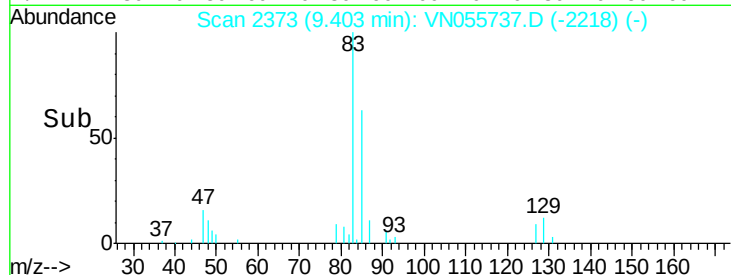


Abundance Ion 83.00 (82.70 to 83.70): VN055737.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN055737.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN055737.D (-2218) (-)

Time-->



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055737.D

Acq: 22 May 2019 23:37

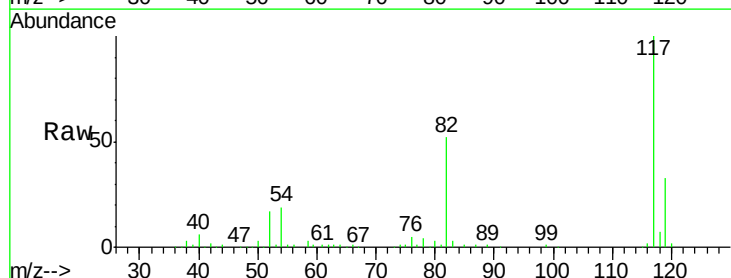
Tgt Ion: 117 Resp: 232870

Ion Ratio Lower Upper

117 100

82 52.5 42.6 64.0

119 32.7 25.9 38.9

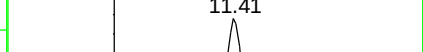
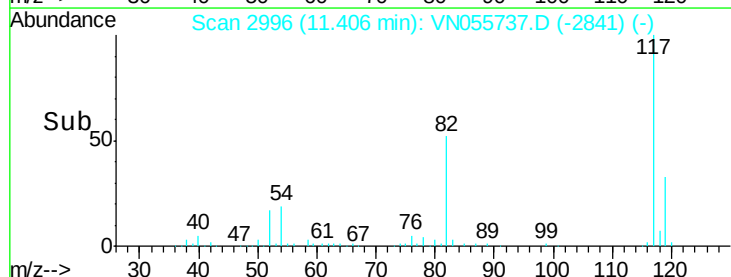


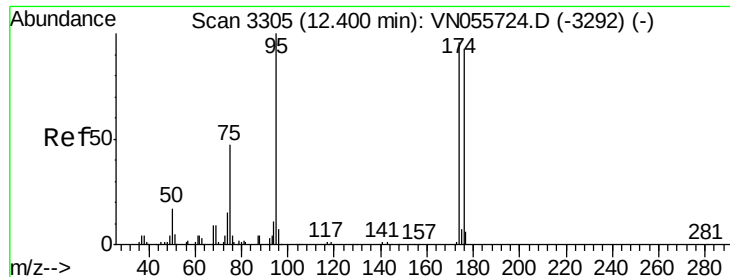
Abundance Ion 117.00 (116.70 to 117.70): VN055737.D (-2841) (-)

Ion 82.00 (81.70 to 82.70): VN055737.D (-2841) (-)

Ion 119.00 (118.70 to 119.70): VN055737.D (-2841) (-)

Time-->





#60

4-Bromofluorobenzene

Concen: 24.563 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055737.D

Acq: 22 May 2019 23:37

Instrument :

MSVOA_N

ClientSampleId :

14B-1

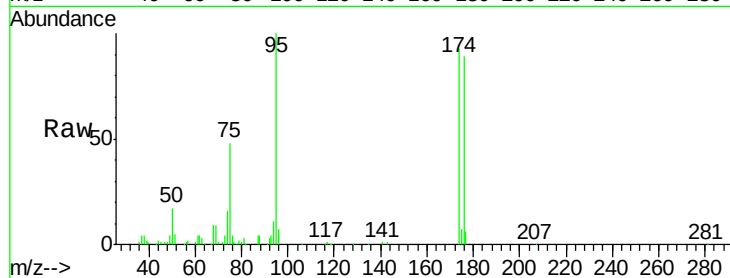
Tot Ion: 95 Resp: 88981

Ion Ratio Lower Upper

95 100

174 92.5 75.7 113.5

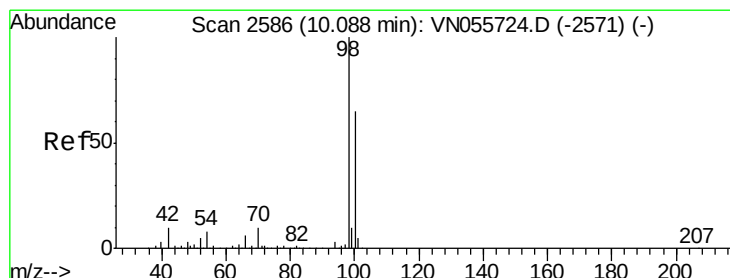
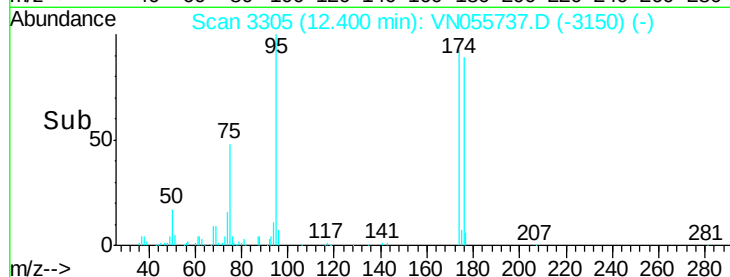
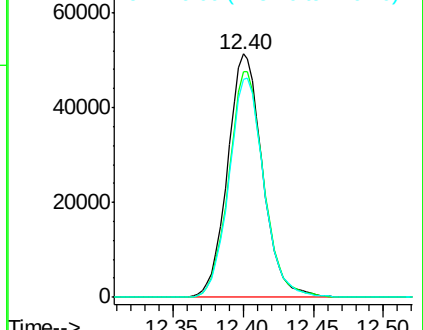
176 89.9 74.1 111.1



Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): VN0

Ion 176.00 (175.70 to 176.70): VN0



#63

Toluene-d8

Concen: 31.819 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055737.D

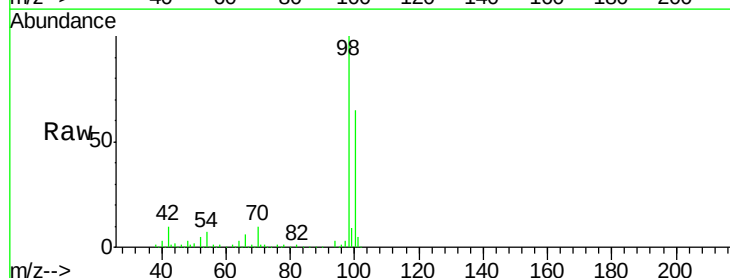
Acq: 22 May 2019 23:37

Tgt Ion: 98 Resp: 338618

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

