

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055733.D
 Acq On : 22 May 2019 21:57
 Operator : JC/SP
 Sample : K2980-02 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Quant Time: May 23 06:38:55 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	57973	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	304735	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	241916	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	114837	30.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.03%
60) 4-Bromofluorobenzene	12.40	95	92313	24.53	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	81.77%
63) Toluene-d8	10.09	98	360334	32.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	108.63%

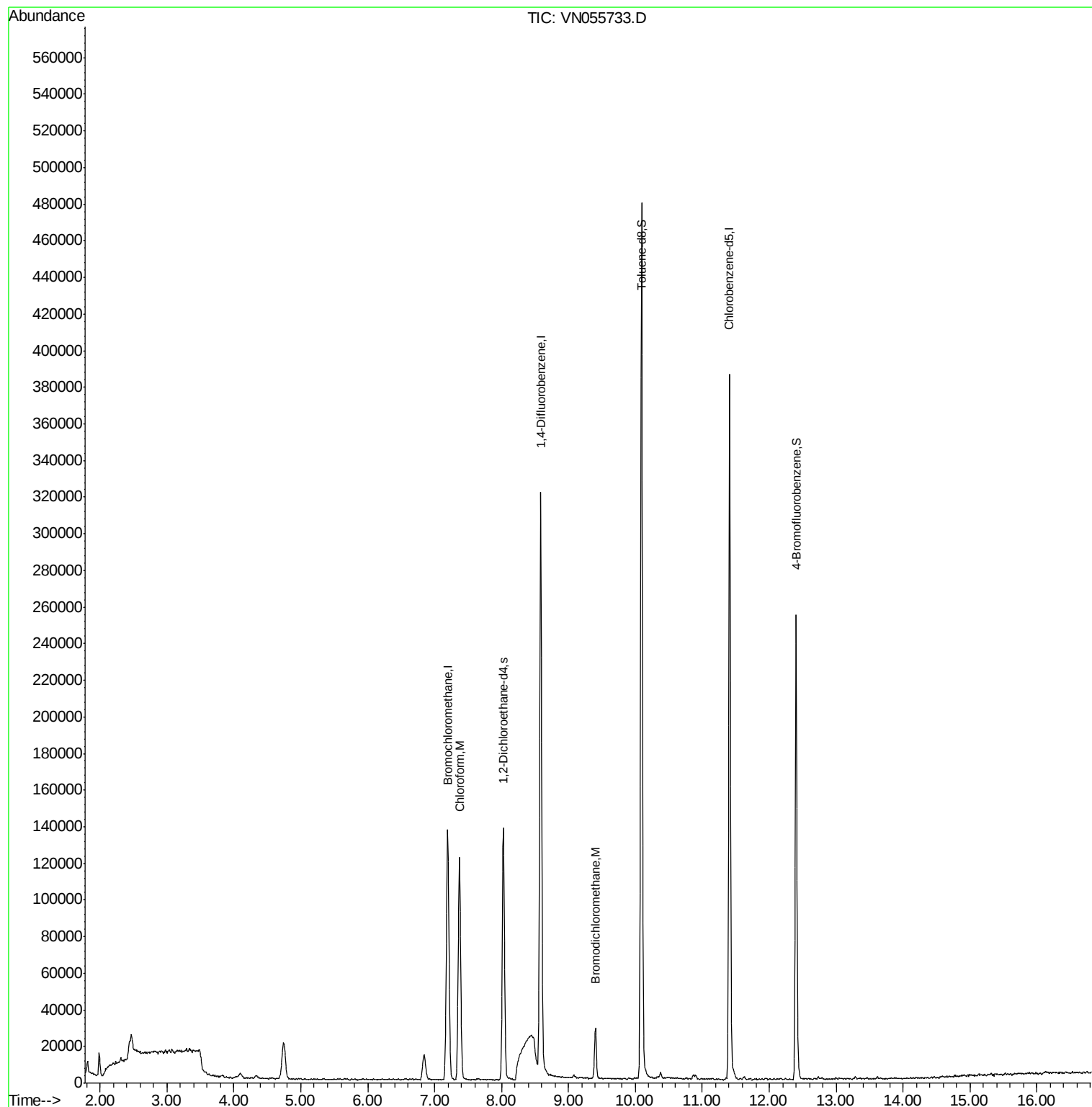
Target Compounds					Ovalue
25) Chloroform	7.37	83	130870	21.929 ug/l	99
41) Bromodichloromethane	9.40	83	19355	4.131 ug/l	97

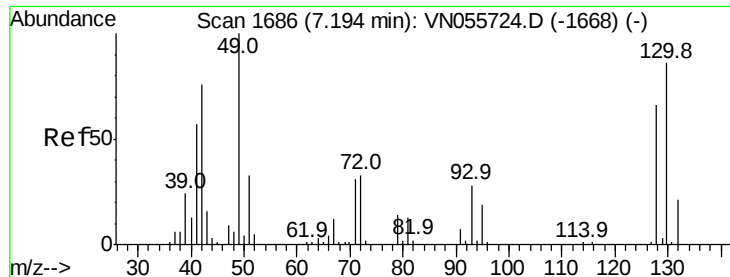
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055733.D

Acq: 22 May 2019 21:57

Instrument :
MSVOA_N
ClientSampled :
14B-2

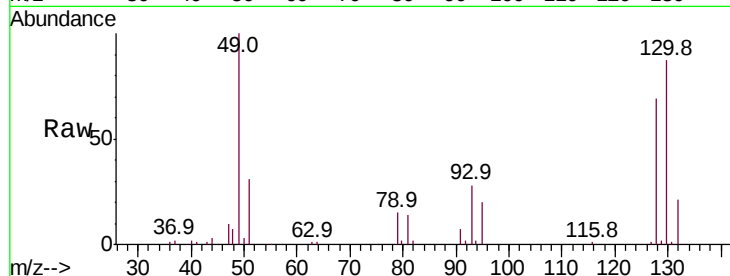
Tot Ion:128 Resp: 57973

Ion Ratio Lower Upper

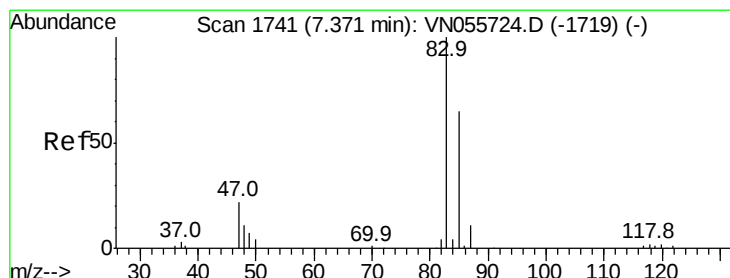
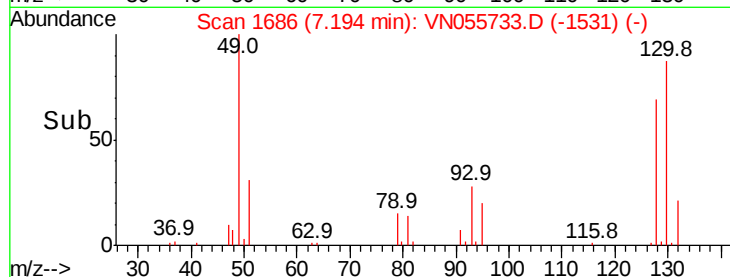
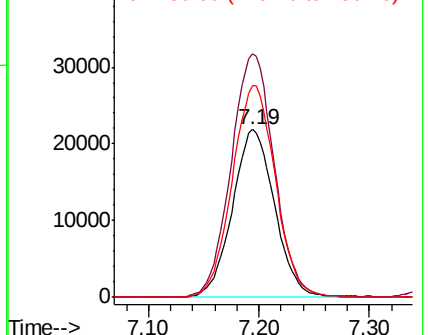
128 100

49 148.1 0.0 383.2

130 129.5 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: 21.929 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN055733.D

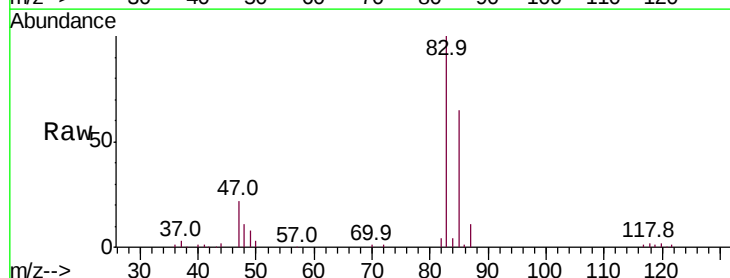
Acq: 22 May 2019 21:57

Tgt Ion: 83 Resp: 130870

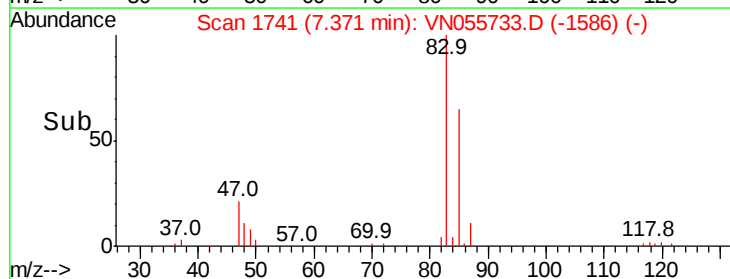
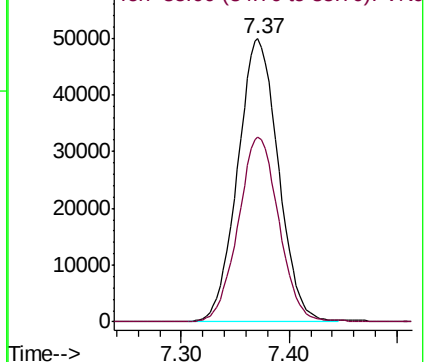
Ion Ratio Lower Upper

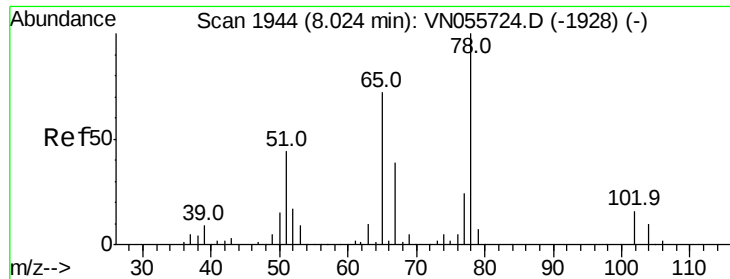
83 100

85 65.4 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: 30.306 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055733.D

Acq: 22 May 2019 21:57

Instrument :

MSVOA_N

ClientSampled :

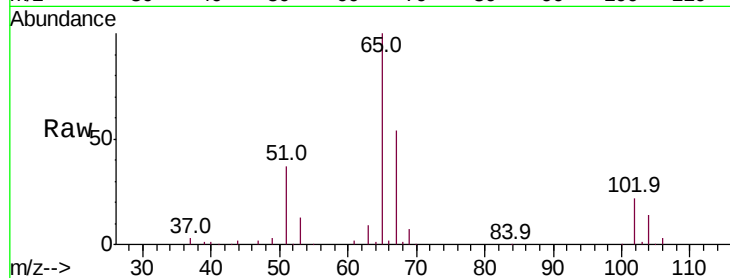
14B-2

Tot Ion: 65 Resp: 114837

Ion Ratio Lower Upper

65 100

67 54.7 43.5 65.3



Abundance Ion 65.00 (64.70 to 65.70): VN055724.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN055724.D (-1928) (-)

8.03

60000

50000

40000

30000

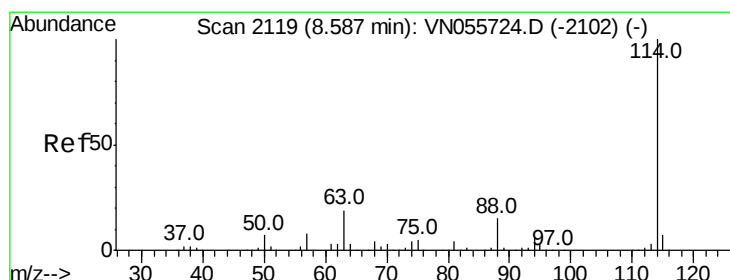
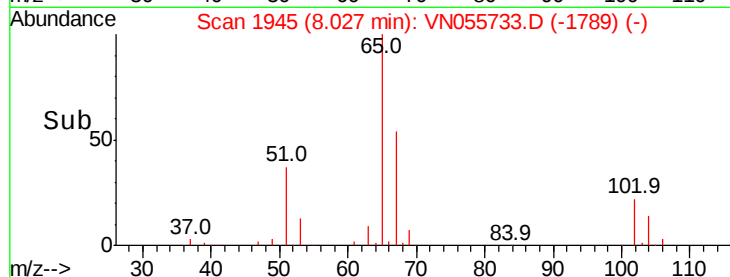
20000

10000

0

8.00 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055733.D

Acq: 22 May 2019 21:57

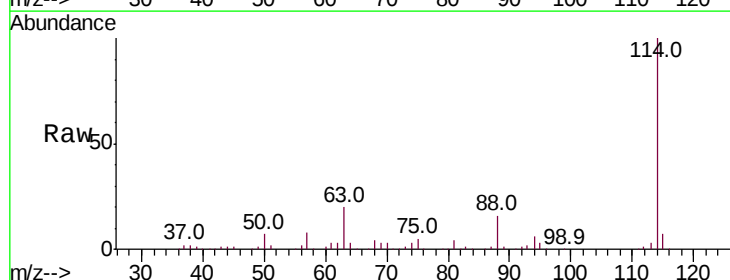
Tgt Ion: 114 Resp: 304735

Ion Ratio Lower Upper

114 100

63 19.6 15.6 23.4

88 15.6 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): VN055724.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN055724.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN055724.D (-2102) (-)

8.59

150000

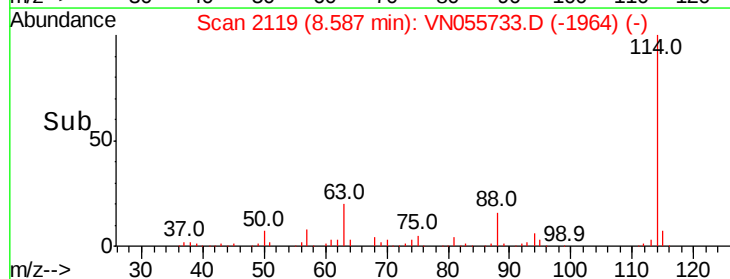
100000

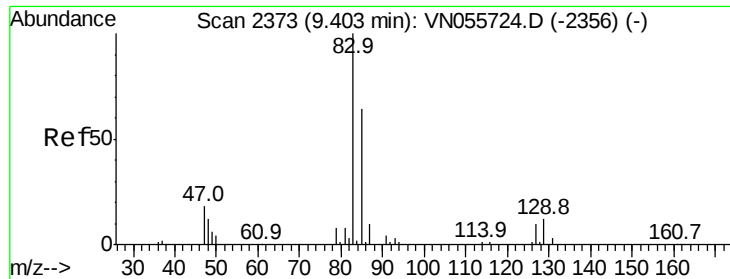
50000

0

8.50 8.60 8.70

Time-->





#41

Bromodichloromethane

Concen: 4.131 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055733.D

Acq: 22 May 2019 21:57

Instrument :

MSVOA_N

ClientSampleId :

14B-2

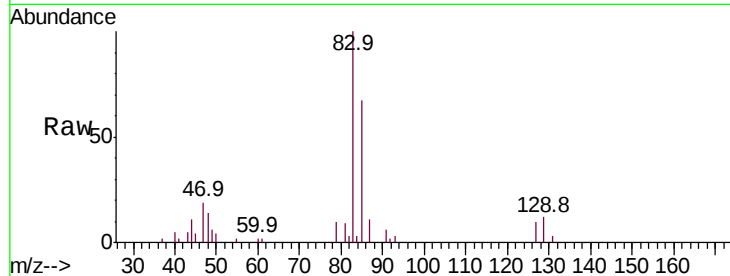
Tot Ion: 83 Resp: 19355

Ion Ratio Lower Upper

83 100

85 66.6 51.4 77.0

127 10.1 7.7 11.5

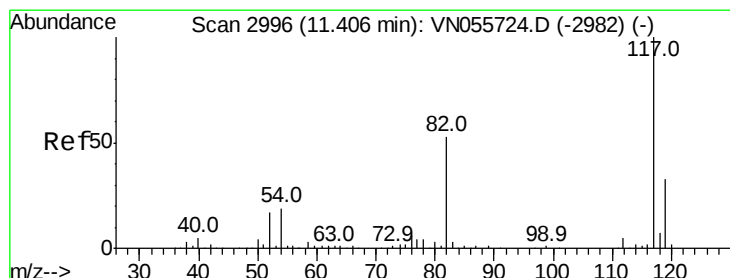
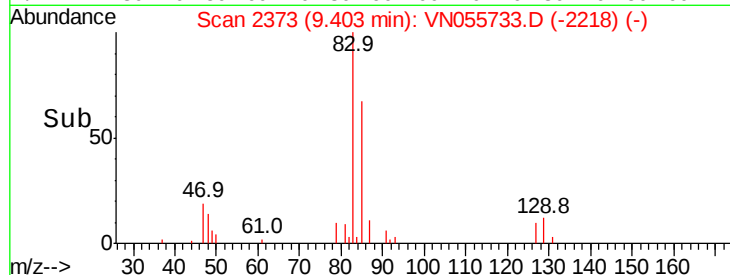


Abundance Ion 83.00 (82.70 to 83.70): VN055724.D (-2356) (-)

Ion 85.00 (84.70 to 85.70): VN055724.D (-2356) (-)

Ion 127.00 (126.70 to 127.70): VN055724.D (-2356) (-)

Time-->



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055733.D

Acq: 22 May 2019 21:57

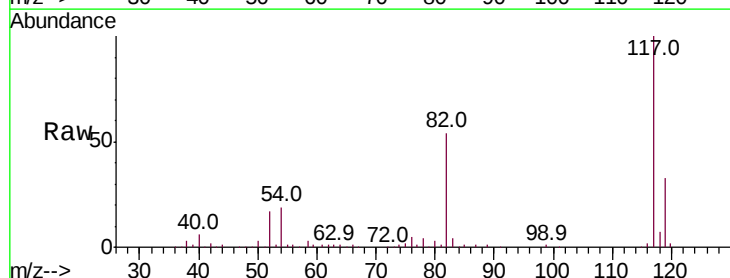
Tgt Ion: 117 Resp: 241916

Ion Ratio Lower Upper

117 100

82 53.8 42.6 64.0

119 32.3 25.9 38.9

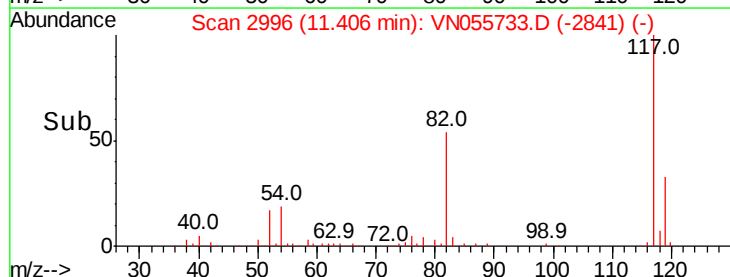


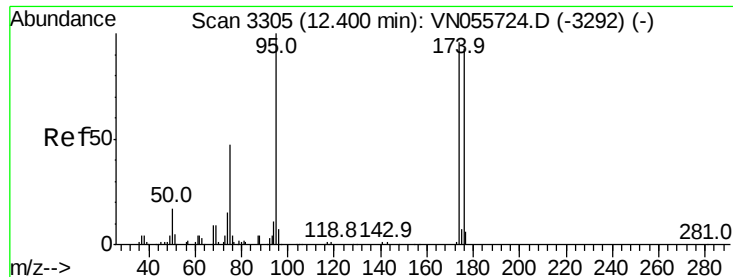
Abundance Ion 117.00 (116.70 to 117.70): VN055724.D (-2982) (-)

Ion 82.00 (81.70 to 82.70): VN055724.D (-2982) (-)

Ion 119.00 (118.70 to 119.70): VN055724.D (-2982) (-)

Time-->





#60

4-Bromofluorobenzene

Concen: 24.530 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055733.D

Acq: 22 May 2019 21:57

Instrument :

MSVOA_N

ClientSampled :

14B-2

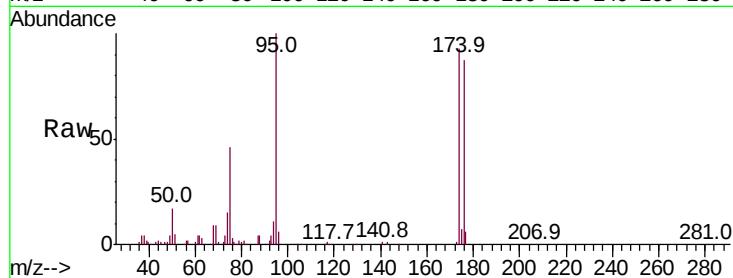
Tot Ion: 95 Resp: 92313

Ion Ratio Lower Upper

95 100

174 92.2 75.7 113.5

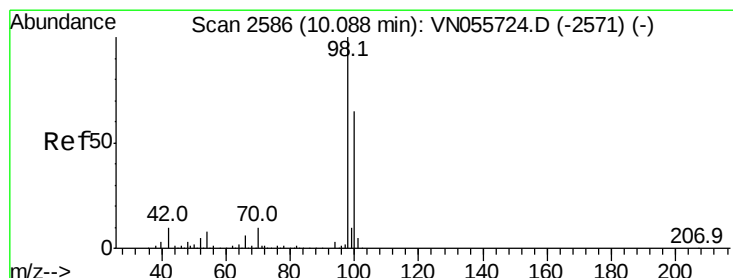
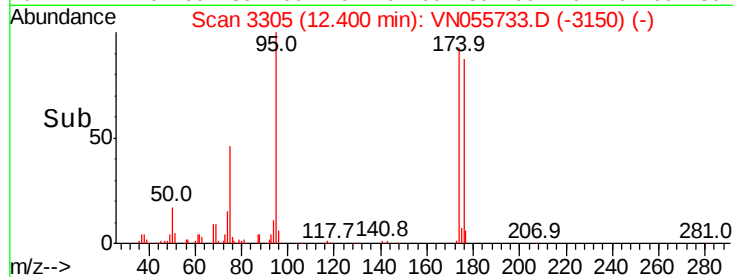
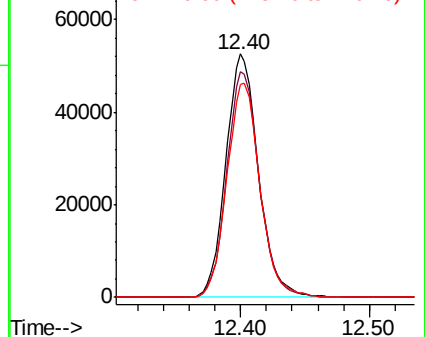
176 89.0 74.1 111.1



Abundance Ion 95.00 (94.70 to 95.70): VN055724.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN055724.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN055724.D (-3292) (-)



#63

Toluene-d8

Concen: 32.594 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055733.D

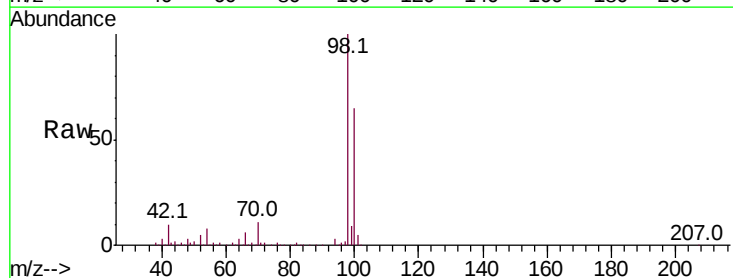
Acq: 22 May 2019 21:57

Tgt Ion: 98 Resp: 360334

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055724.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN055724.D (-2571) (-)

