

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055740.D
 Acq On : 23 May 2019 00:52
 Operator : JC/SP
 Sample : K2965-04 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Quant Time: Jun 01 00:28:16 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	57057	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	299997	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	238557	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	111453	29.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.60%
60) 4-Bromofluorobenzene	12.40	95	90336	24.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	81.13%
63) Toluene-d8	10.09	98	346818	31.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.03%

Target Compounds

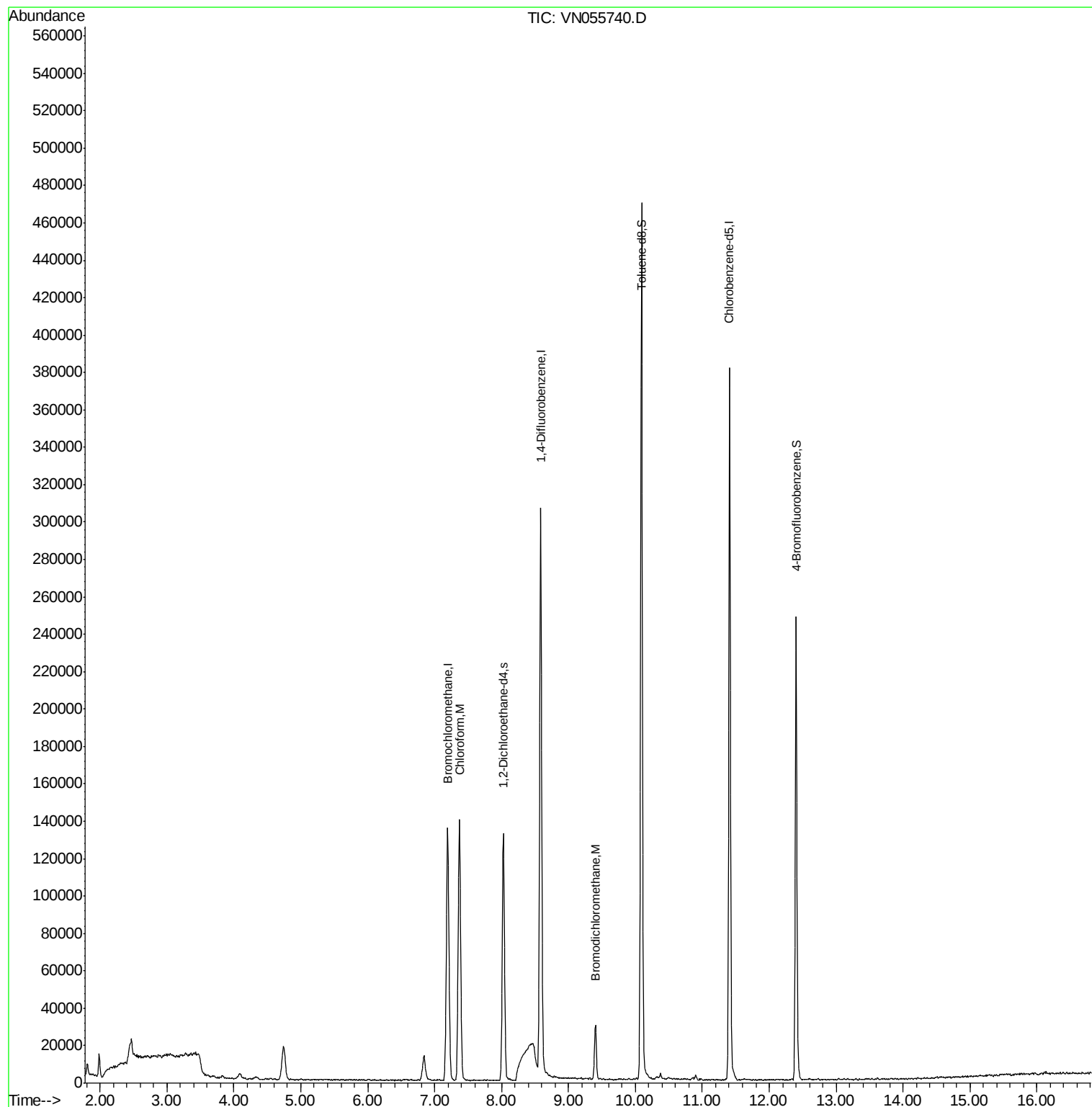
					Ovalue
25) Chloroform	7.37	83	149404	25.437	ug/l 99
41) Bromodichloromethane	9.40	83	21245	4.606	ug/l 99

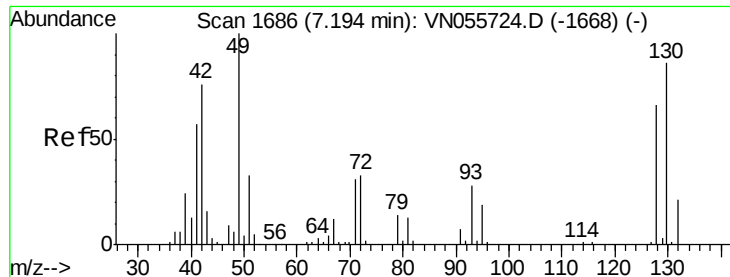
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055740.D

Acq: 23 May 2019 00:52

Instrument :

MSVOA_N

ClientSampled :

14B-4

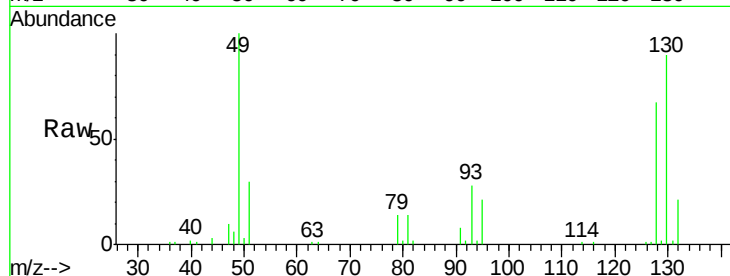
Tot Ion:128 Resp: 57057

Ion Ratio Lower Upper

128 100

49 145.8 0.0 383.2

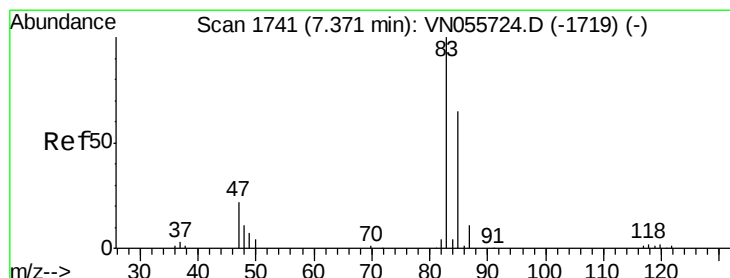
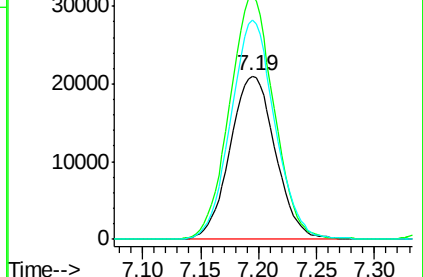
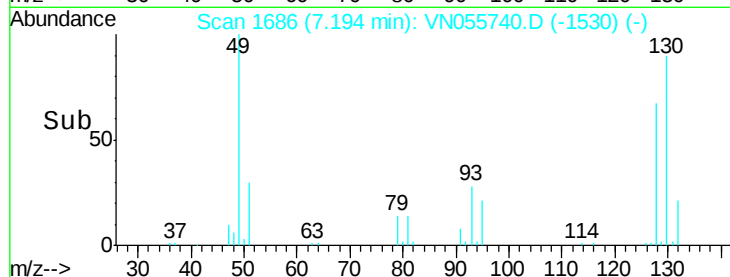
130 130.7 0.0 326.3



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: 25.437 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN055740.D

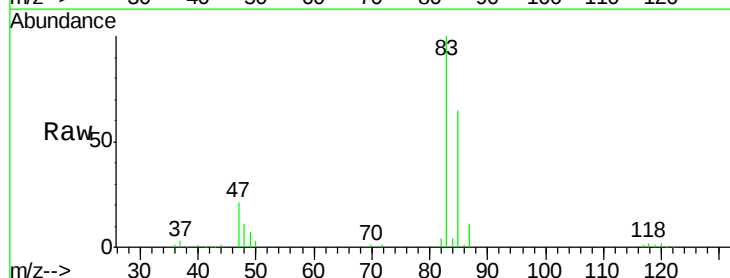
Acq: 23 May 2019 00:52

Tgt Ion: 83 Resp: 149404

Ion Ratio Lower Upper

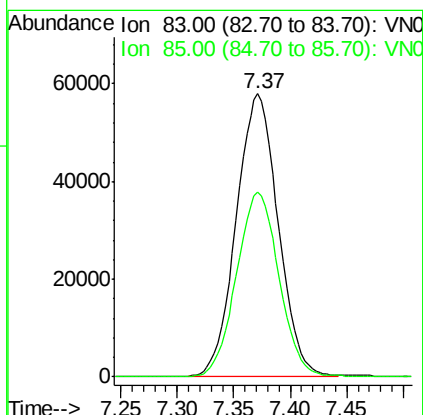
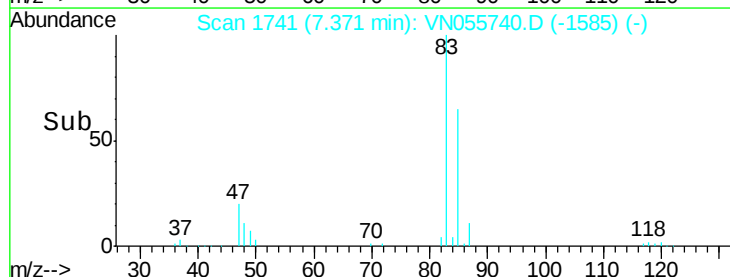
83 100

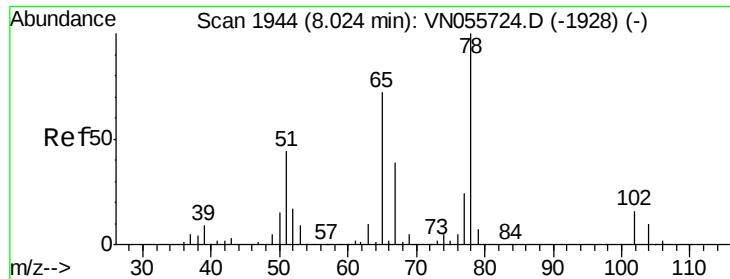
85 65.3 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 85.00 (84.70 to 85.70): VN

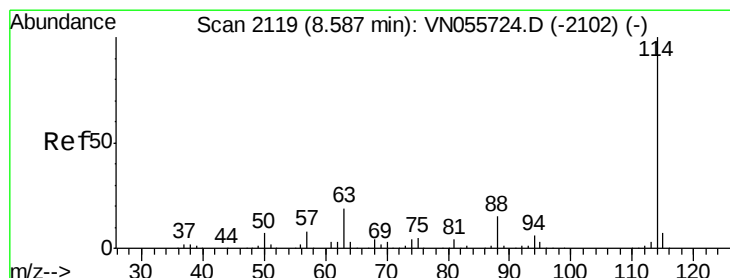
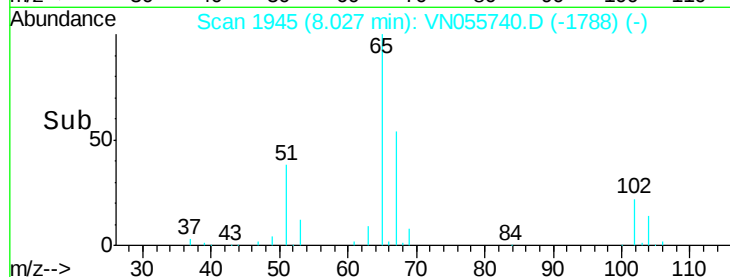
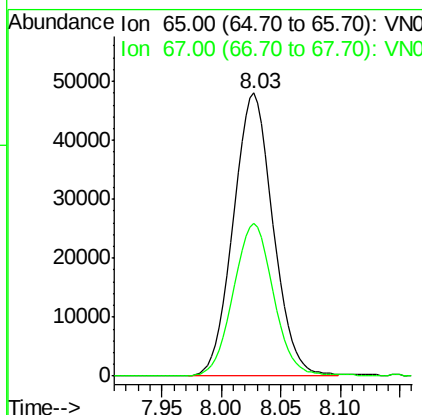
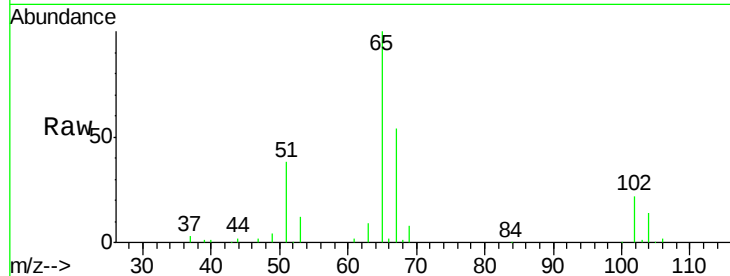




#27
 1,2-Dichloroethane-d4
 Concen: 29.885 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055740.D
 Acq: 23 May 2019 00:52

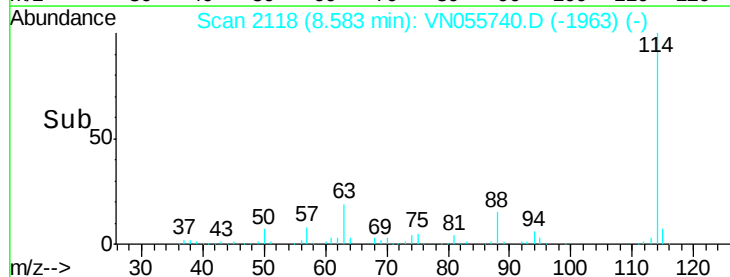
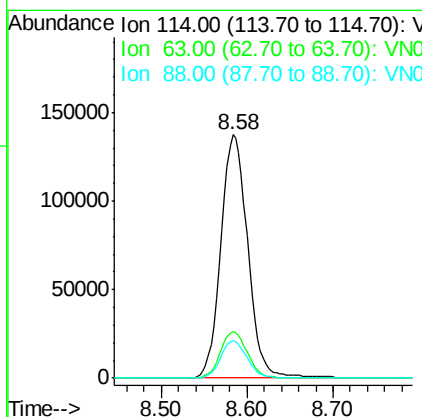
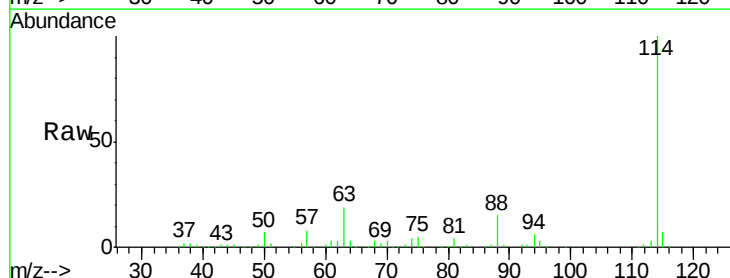
Instrument :
 MSVOA_N
 ClientSampled :
 14B-4

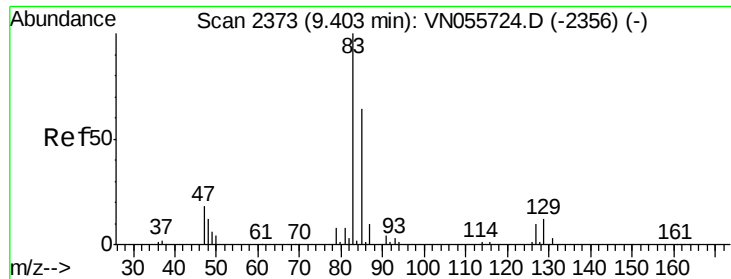
Tot Ion: 65 Resp: 111453
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055740.D
 Acq: 23 May 2019 00:52

Tgt Ion: 114 Resp: 299997
 Ion Ratio Lower Upper
 114 100
 63 19.1 15.6 23.4
 88 15.1 12.3 18.5





#41

Bromodichloromethane

Concen: 4.606 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055740.D

Acq: 23 May 2019 00:52

Instrument :

MSVOA_N

ClientSampled :

14B-4

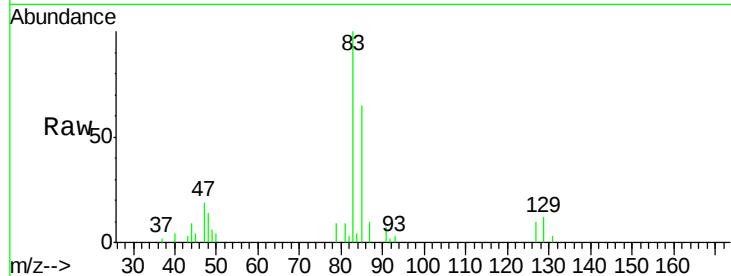
Tot Ion: 83 Resp: 21245

Ion Ratio Lower Upper

83 100

85 64.8 51.4 77.0

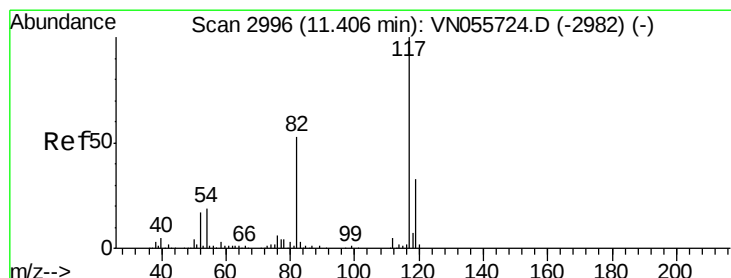
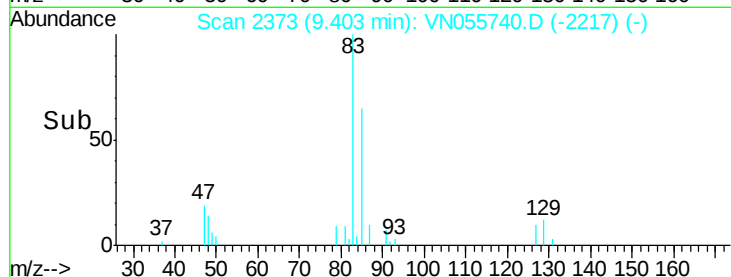
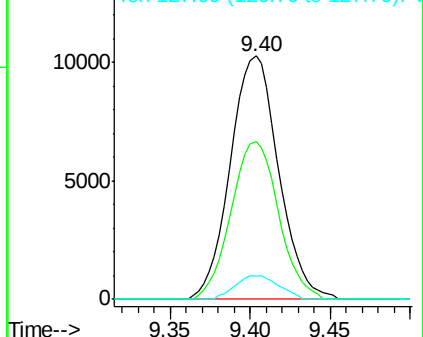
127 9.8 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VN055740.D (-2356) (-)

Ion 85.00 (84.70 to 85.70): VN055740.D (-2356) (-)

Ion 127.00 (126.70 to 127.70): VN055740.D (-2356) (-)



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055740.D

Acq: 23 May 2019 00:52

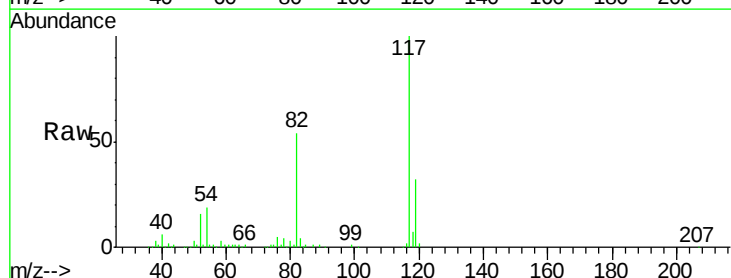
Tgt Ion: 117 Resp: 238557

Ion Ratio Lower Upper

117 100

82 53.3 42.6 64.0

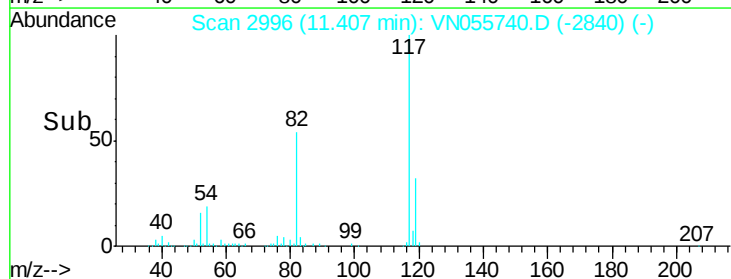
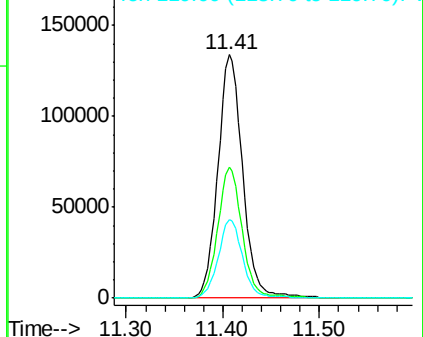
119 31.5 25.9 38.9

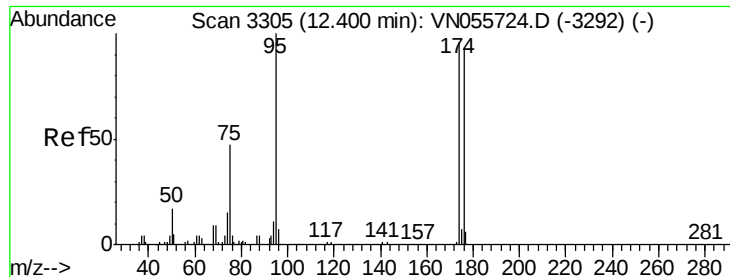


Abundance Ion 117.00 (116.70 to 117.70): VN055740.D (-2982) (-)

Ion 82.00 (81.70 to 82.70): VN055740.D (-2982) (-)

Ion 119.00 (118.70 to 119.70): VN055740.D (-2982) (-)





#60

4-Bromofluorobenzene

Concen: 24.343 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055740.D

Acq: 23 May 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

14B-4

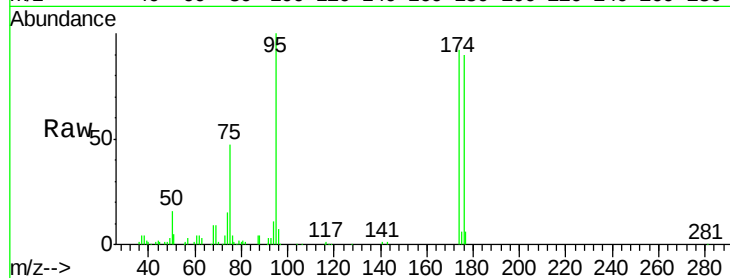
Tot Ion: 95 Resp: 90336

Ion Ratio Lower Upper

95 100

174 92.6 75.7 113.5

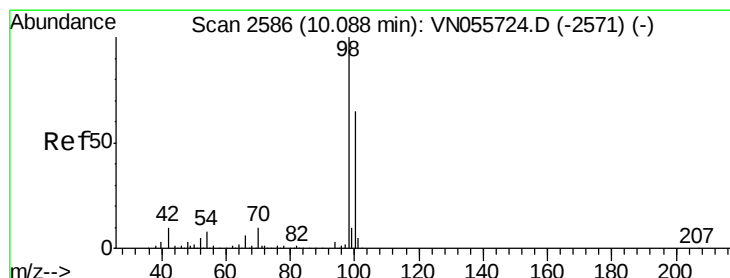
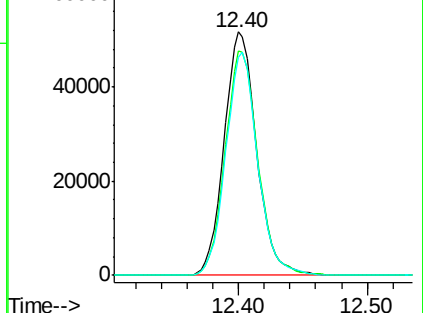
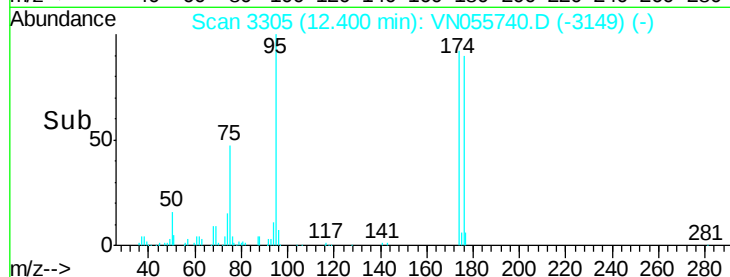
176 89.8 74.1 111.1



Abundance Ion 95.00 (94.70 to 95.70): VN055740.D (-3149) (-)

Ion 174.00 (173.70 to 174.70): VN055740.D (-3149) (-)

Ion 176.00 (175.70 to 176.70): VN055740.D (-3149) (-)



#63

Toluene-d8

Concen: 31.813 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055740.D

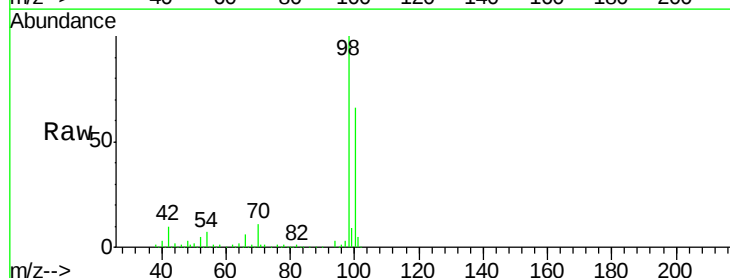
Acq: 23 May 2019 00:52

Tgt Ion: 98 Resp: 346818

Ion Ratio Lower Upper

98 100

100 65.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055740.D (-2430) (-)

Ion 100.00 (99.70 to 100.70): VN055740.D (-2430) (-)

