

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052500.D
 Acq On : 28 Nov 2018 1:38
 Operator : MD\SY
 Sample : J6086-01 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: Nov 28 09:02:04 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	172217	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	987979	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	816339	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	357304	30.45	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery	=	101.50%	
60) 4-Bromofluorobenzene	12.40	95	329112	26.37	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	87.90%	
63) Toluene-d8	10.09	98	1154538	30.50	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	101.67%	

Target Compounds

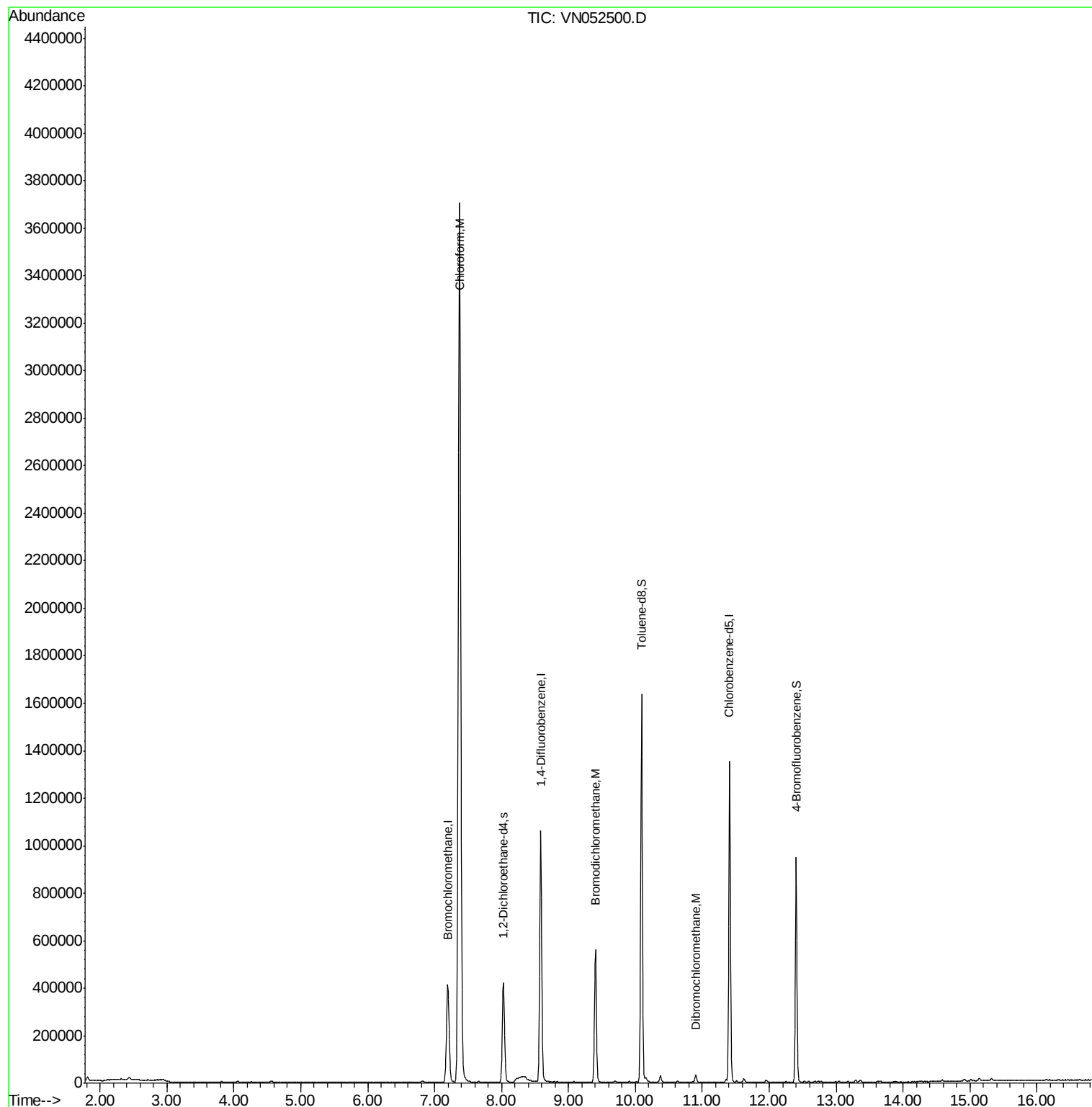
						Qvalue
25) Chloroform	7.37	83	3983560	204.69	ug/l	99
41) Bromodichloromethane	9.40	83	397202	27.36	ug/l	97
53) Dibromochloromethane	10.90	129	17341	1.69	ug/l	94

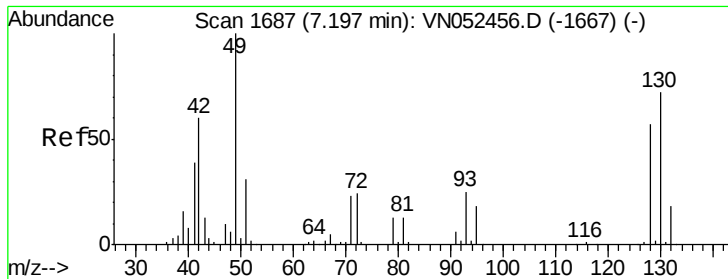
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

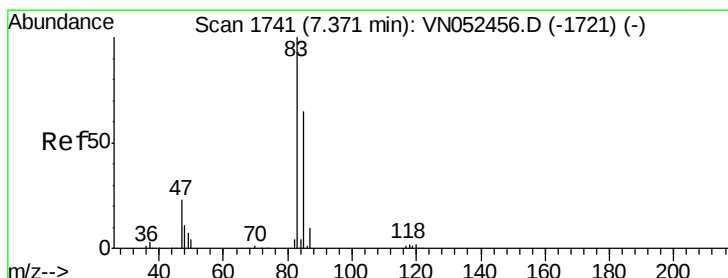
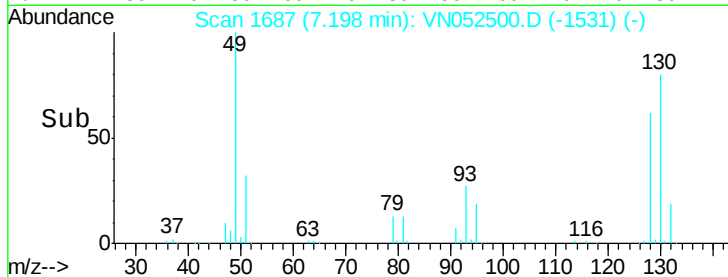
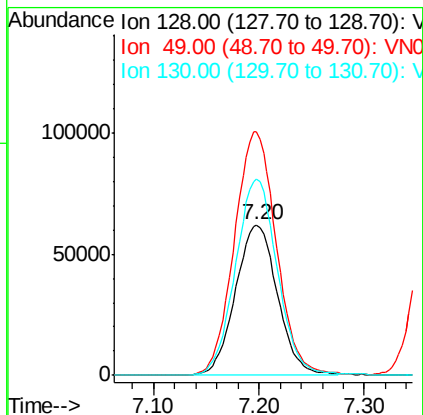
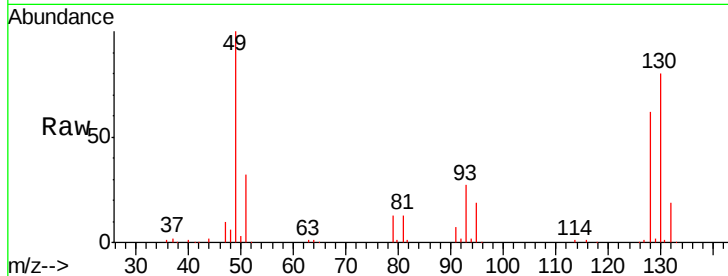
Delta R.T. 0.00 min

Lab File: VN052500.D

Acq: 28 Nov 2018 1:38

Instrument :
MSVOA_N
ClientSampled :
14B-1

Tgt Ion:	128	Resp:	172217
Ion	Ratio	Lower	Upper
128	100		
49	162.4	0.0	431.8
130	130.4	0.0	317.0



#25

Chloroform

Concen: 204.69 ug/l

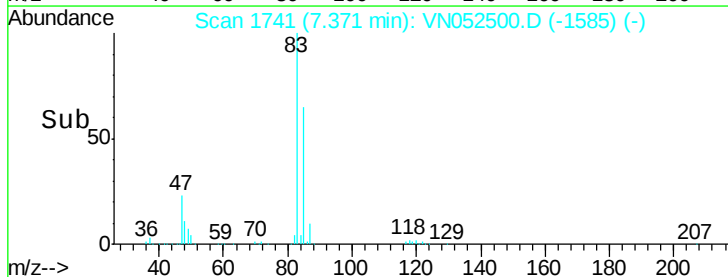
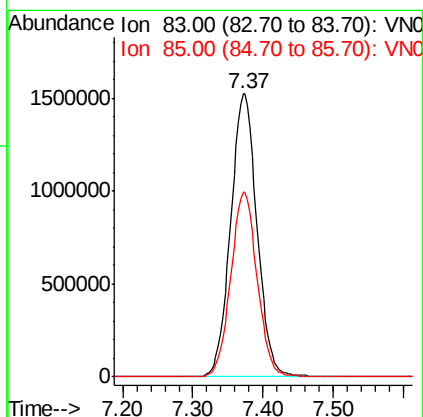
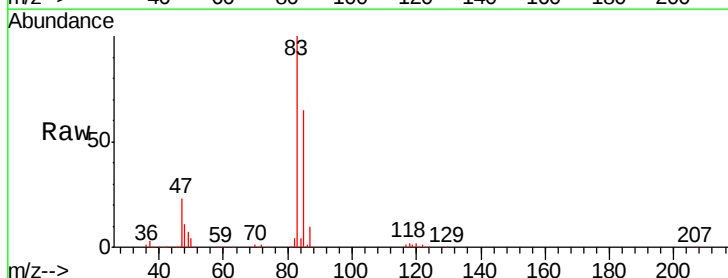
RT: 7.37 min Scan# 1741

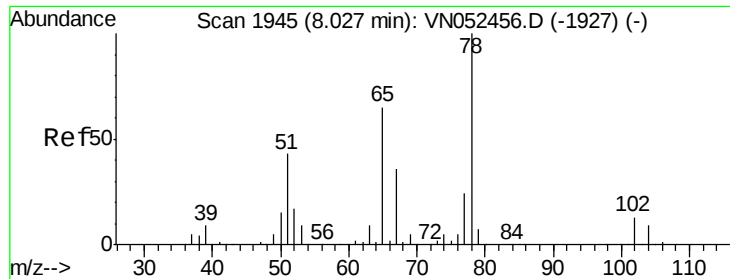
Delta R.T. 0.00 min

Lab File: VN052500.D

Acq: 28 Nov 2018 1:38

Tgt Ion:	83	Resp:	3983560
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.7	77.5

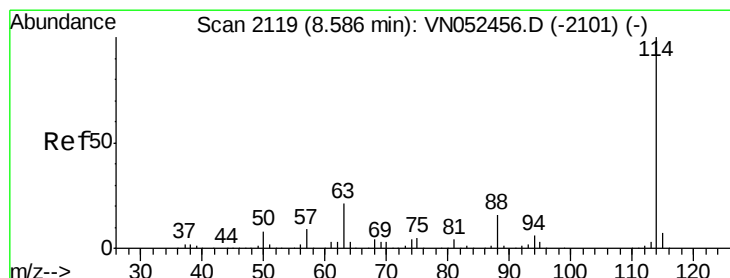
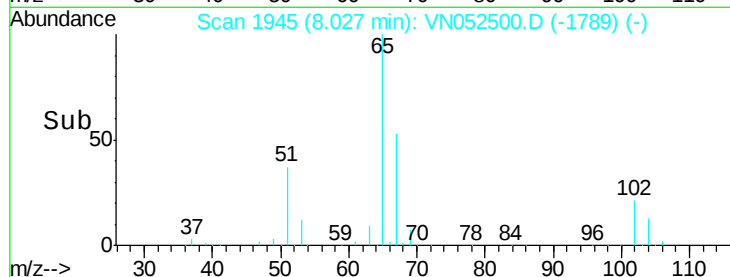
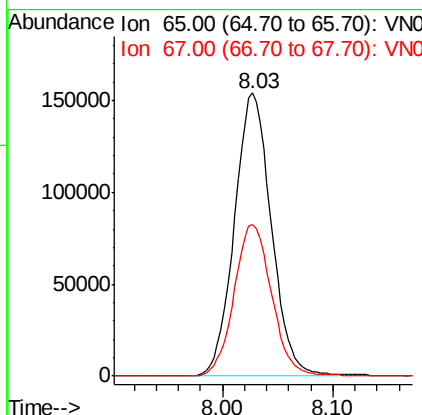
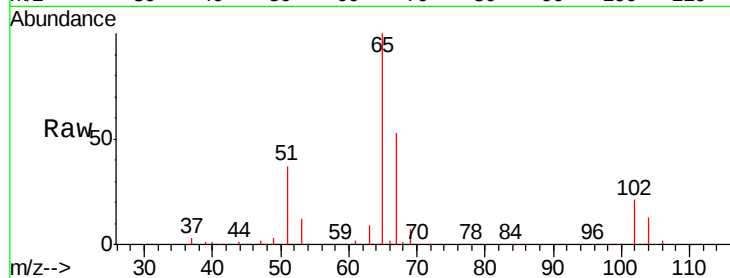




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052500.D
 Acq: 28 Nov 2018 1:38

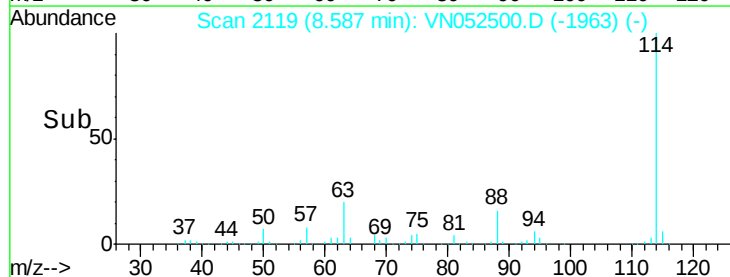
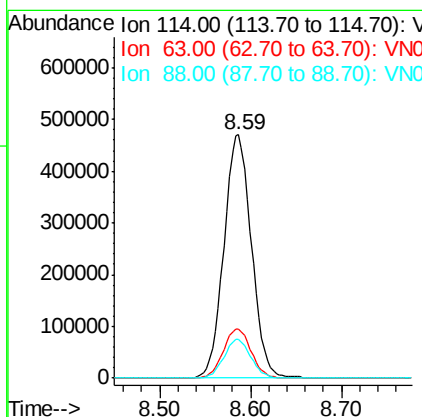
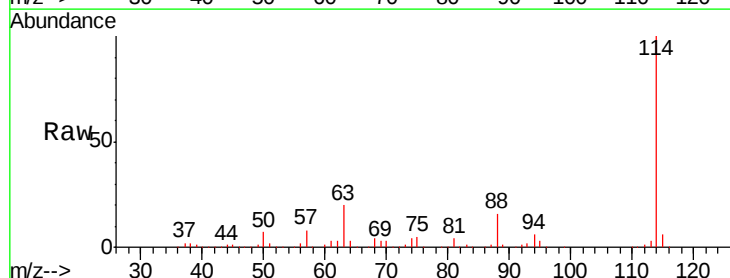
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

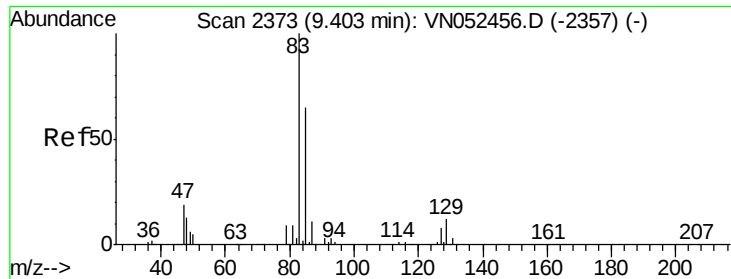
Tgt Ion: 65 Resp: 357304
 Ion Ratio Lower Upper
 65 100
 67 54.6 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052500.D
 Acq: 28 Nov 2018 1:38

Tgt Ion: 114 Resp: 987979
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.9 25.3
 88 15.5 12.8 19.2





#41

Bromodichloromethane

Concen: 27.36 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052500.D

Acq: 28 Nov 2018 1:38

Instrument :

MSVOA_N

ClientSampleId :

14B-1

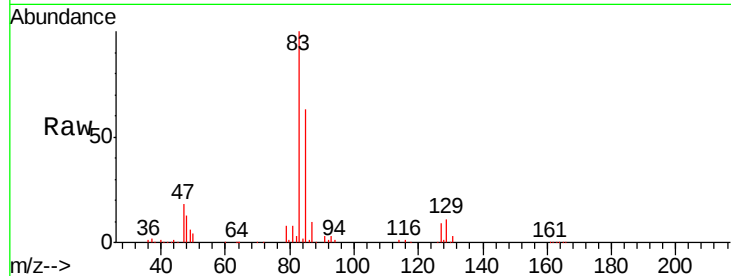
Tgt Ion: 83 Resp: 397202

Ion Ratio Lower Upper

83 100

85 63.3 52.4 78.6

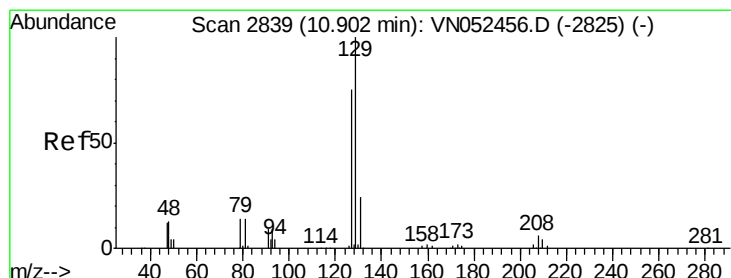
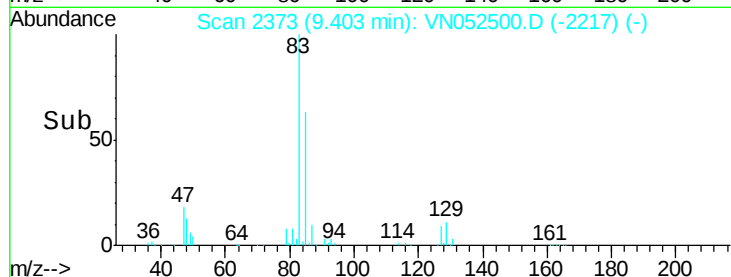
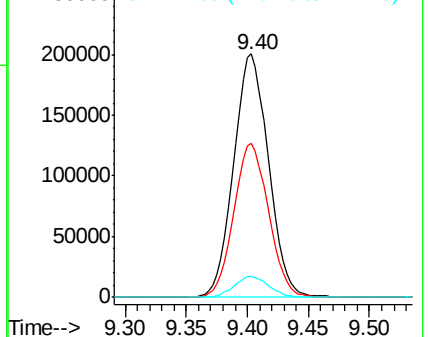
127 8.8 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#53

Dibromochloromethane

Concen: 1.69 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052500.D

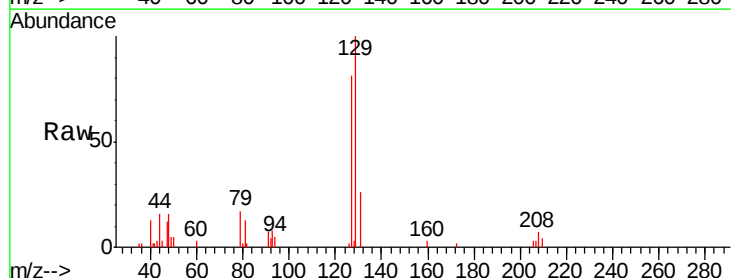
Acq: 28 Nov 2018 1:38

Tgt Ion: 129 Resp: 17341

Ion Ratio Lower Upper

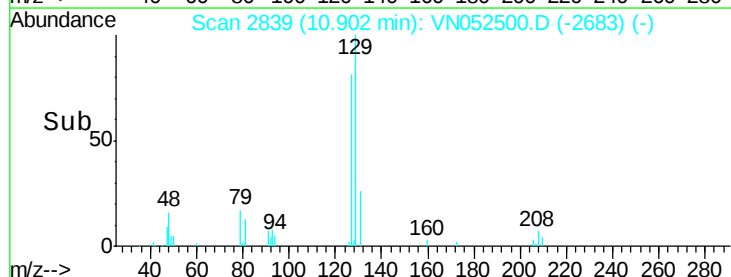
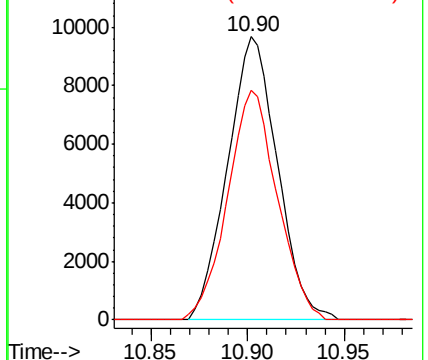
129 100

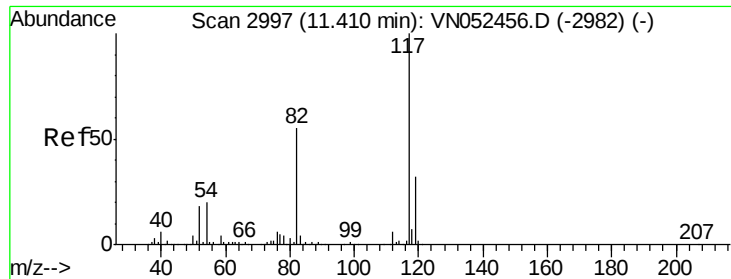
127 80.7 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): VN0

Ion 127.00 (126.70 to 127.70): VN0

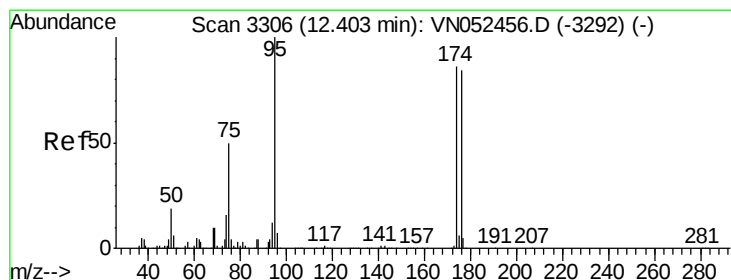
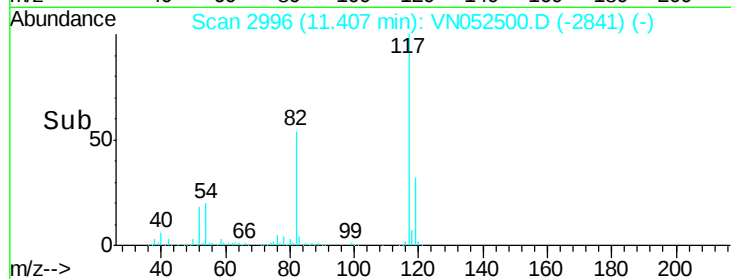
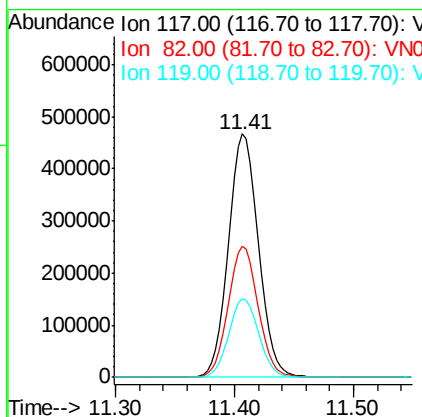
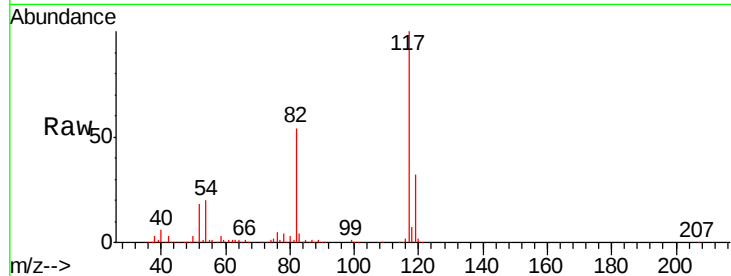




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052500.D
Acq: 28 Nov 2018 1:38

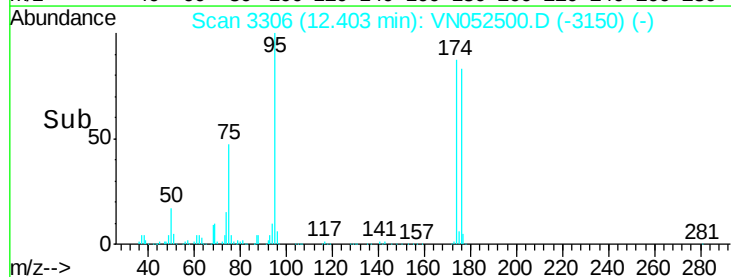
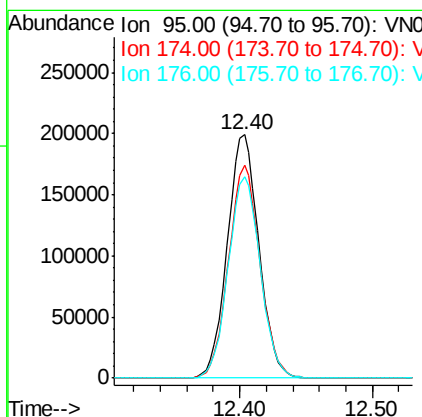
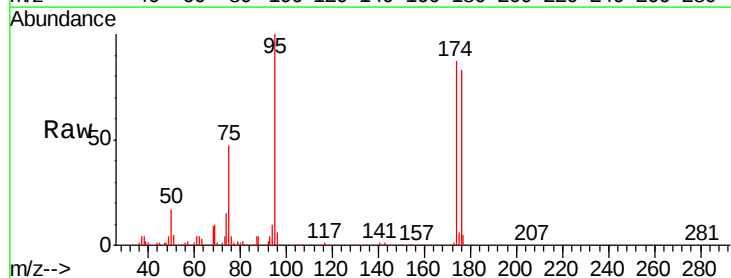
Instrument :
MSVOA_N
ClientSampled :
14B-1

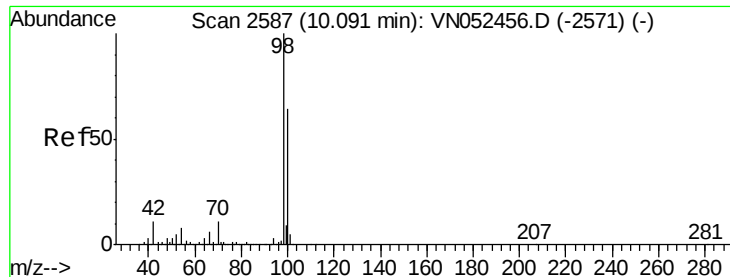
Tgt Ion: 117 Resp: 816339
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 32.4 25.4 38.2



#60
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052500.D
Acq: 28 Nov 2018 1:38

Tgt Ion: 95 Resp: 329112
Ion Ratio Lower Upper
95 100
174 87.0 67.9 101.9
176 84.1 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: VN052500.D

Acq: 28 Nov 2018 1:38

Instrument :

MSVOA_N

ClientSampleId :

14B-1

Tgt Ion: 98 Resp: 1154538

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7

