

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052542.D
 Acq On : 29 Nov 2018 2:07
 Operator : MD\SY
 Sample : J6120-01 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: Nov 29 09:30:21 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	179719	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1002923	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	819303	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	366384	29.92	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.73%
60) 4-Bromofluorobenzene	12.40	95	330731	26.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.00%
63) Toluene-d8	10.09	98	1138534	29.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.90%

Target Compounds

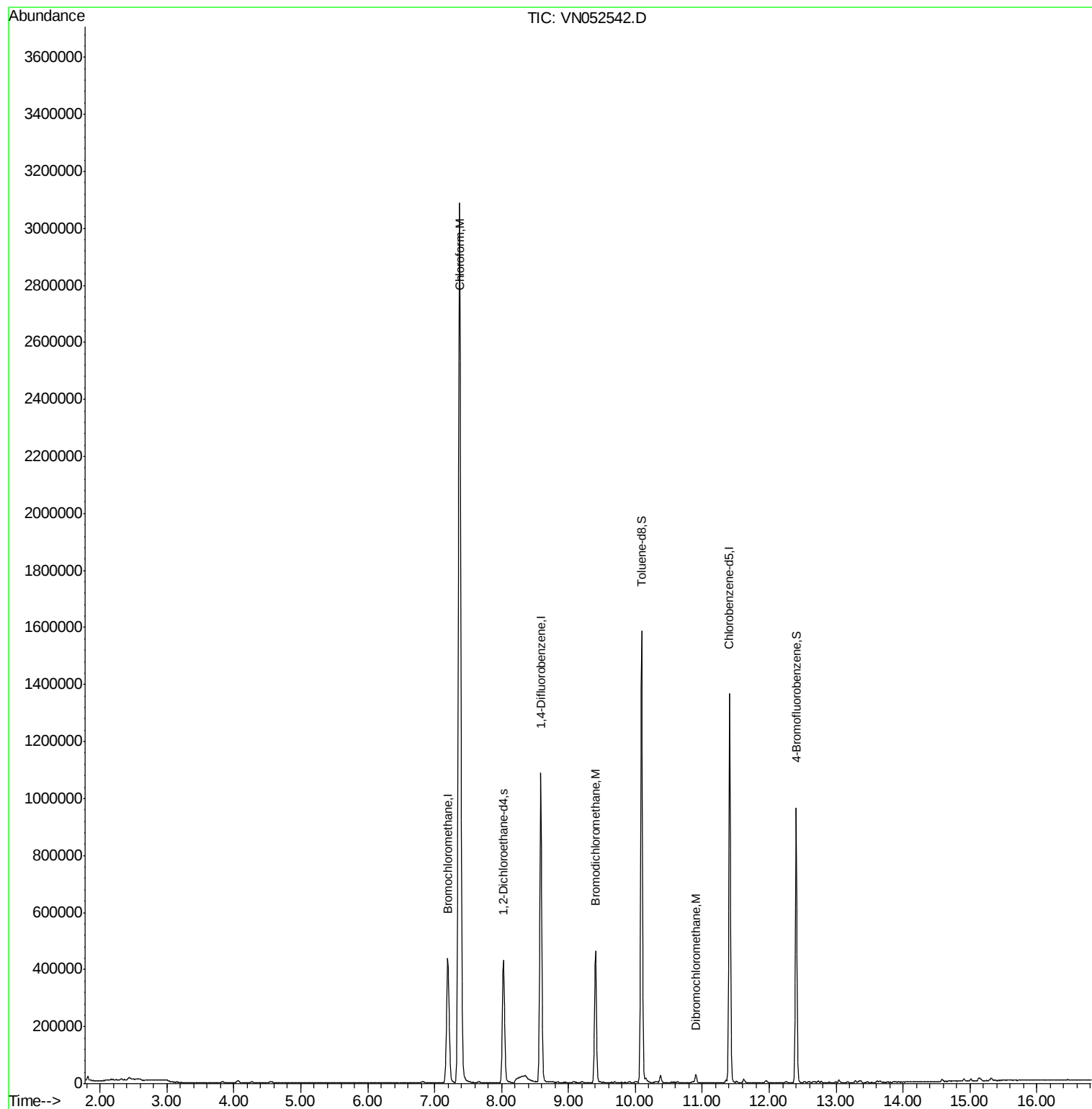
					Ovalue
25) Chloroform	7.37	83	3358739	165.379	ug/l 99
41) Bromodichloromethane	9.40	83	330909	22.454	ug/l 99
53) Dibromochloromethane	10.90	129	15054	1.446	ug/l 95

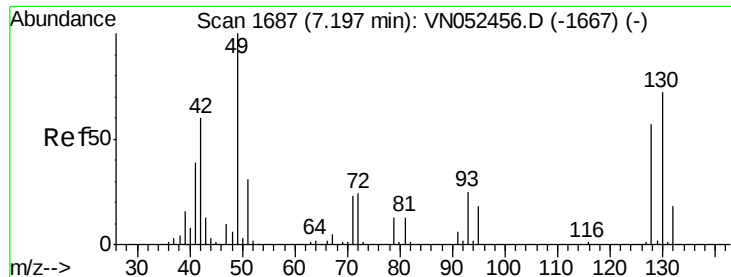
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052542.D

Acq: 29 Nov 2018 2:07

Instrument :

MSVOA_N

ClientSampled :

14B-1

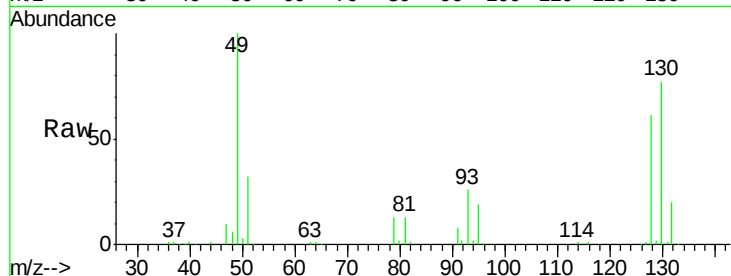
Tot Ion:128 Resp: 179719

Ion Ratio Lower Upper

128 100

49 160.2 0.0 431.8

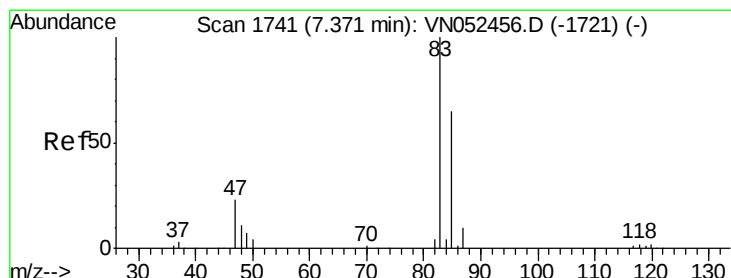
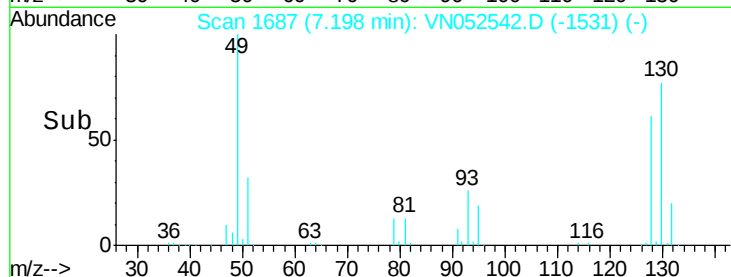
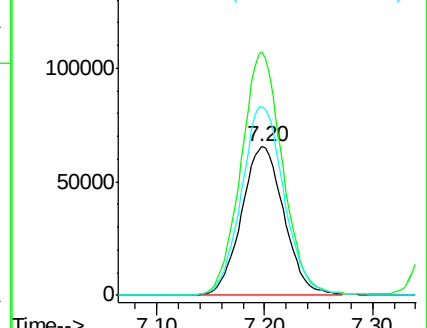
130 128.2 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#25

Chloroform

Concen: 165.379 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052542.D

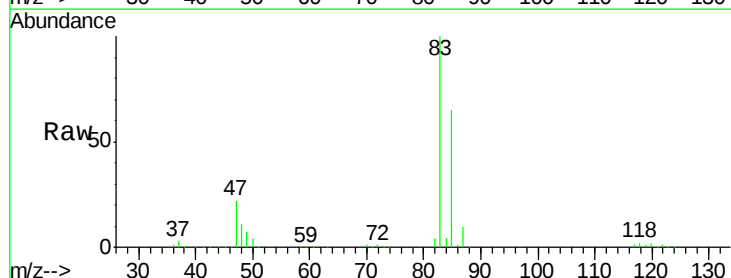
Acq: 29 Nov 2018 2:07

Tgt Ion: 83 Resp: 3358739

Ion Ratio Lower Upper

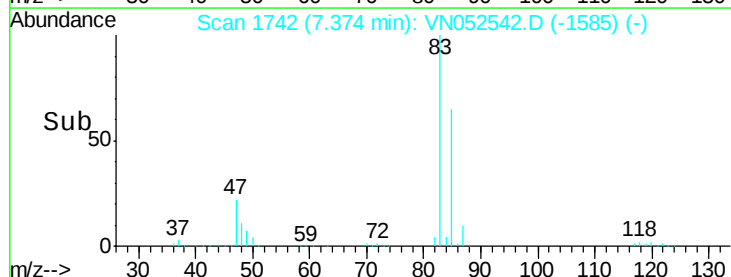
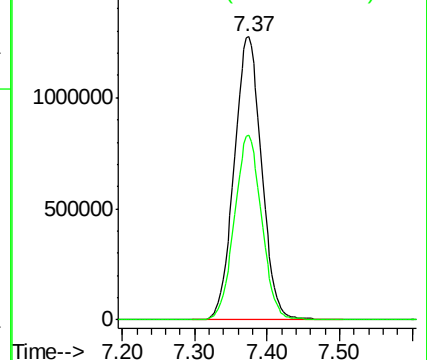
83 100

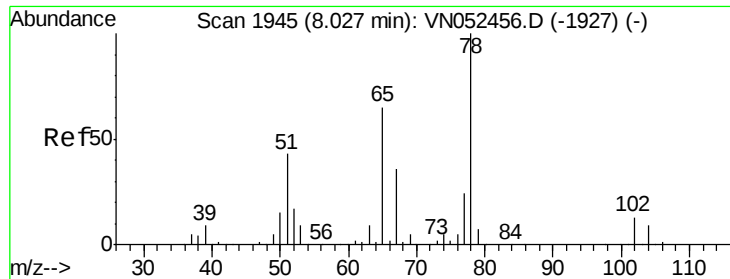
85 65.1 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 85.00 (84.70 to 85.70): VNO





#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052542.D

Acq: 29 Nov 2018 2:07

Instrument :

MSVOA_N

ClientSampleId :

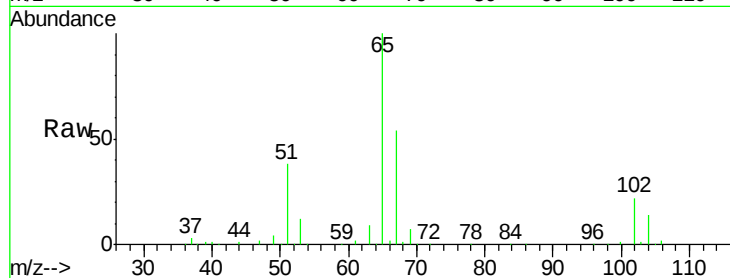
14B-1

Tot Ion: 65 Resp: 366384

Ion Ratio Lower Upper

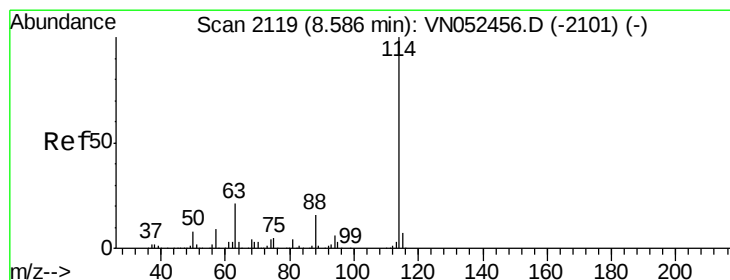
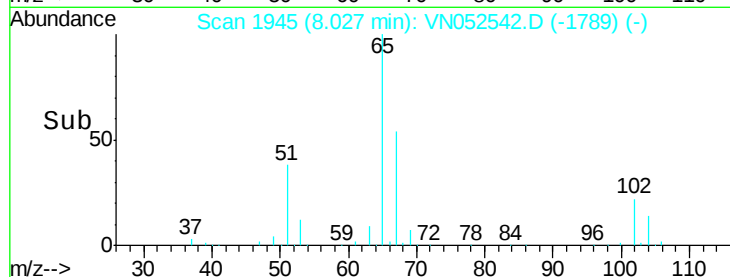
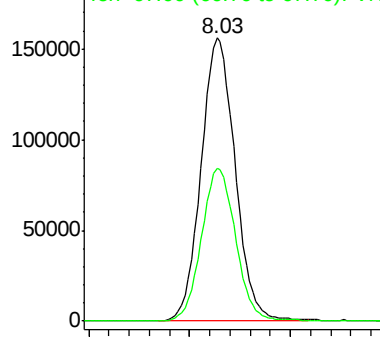
65 100

67 53.9 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052542.D

Acq: 29 Nov 2018 2:07

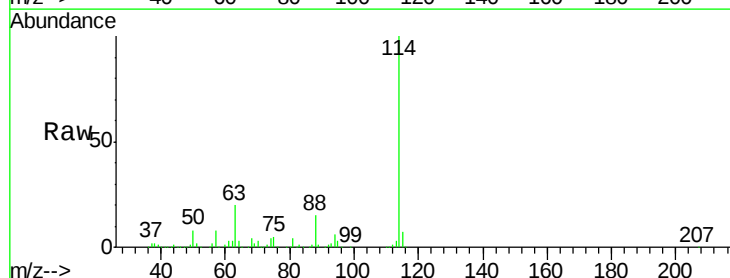
Tgt Ion: 114 Resp: 1002923

Ion Ratio Lower Upper

114 100

63 20.3 16.9 25.3

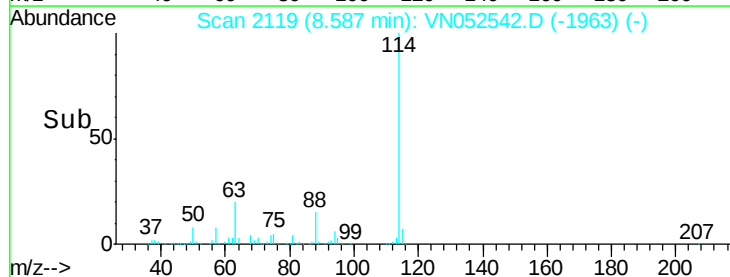
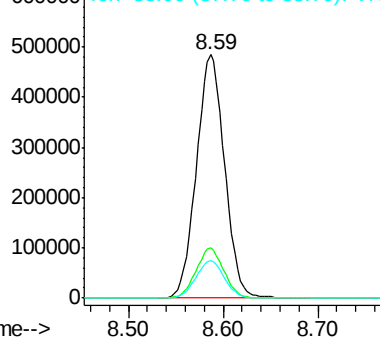
88 15.5 12.8 19.2

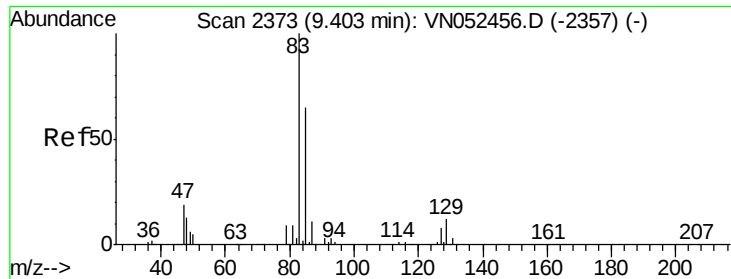


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





#41

Bromodichloromethane

Concen: 22.454 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052542.D

Acq: 29 Nov 2018 2:07

Instrument :

MSVOA_N

ClientSampled :

14B-1

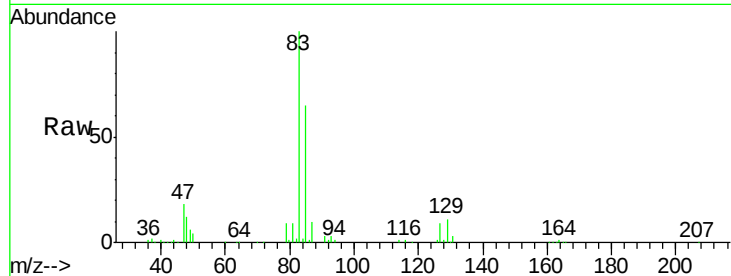
Tot Ion: 83 Resp: 330909

Ion Ratio Lower Upper

83 100

85 64.5 52.4 78.6

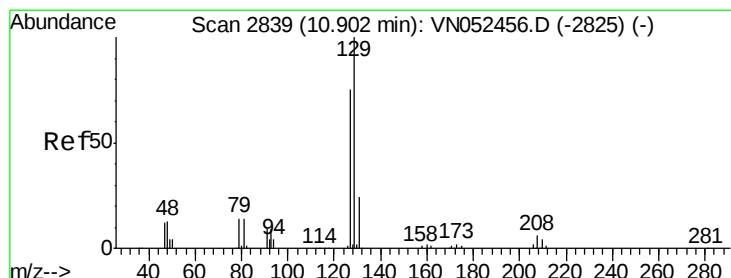
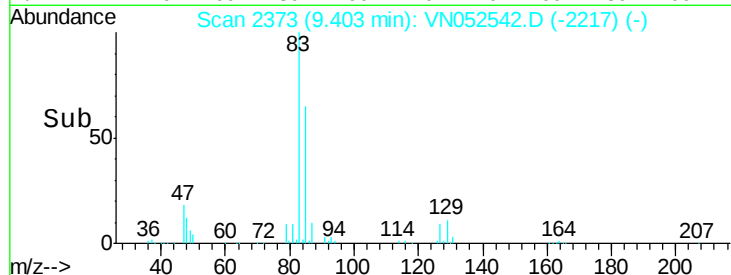
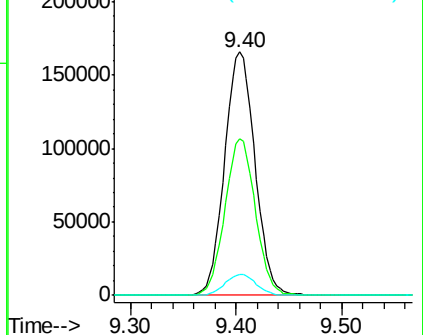
127 8.6 6.6 9.8



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: 1.446 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052542.D

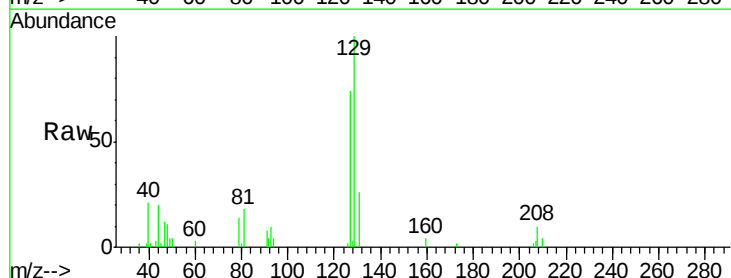
Acq: 29 Nov 2018 2:07

Tgt Ion: 129 Resp: 15054

Ion Ratio Lower Upper

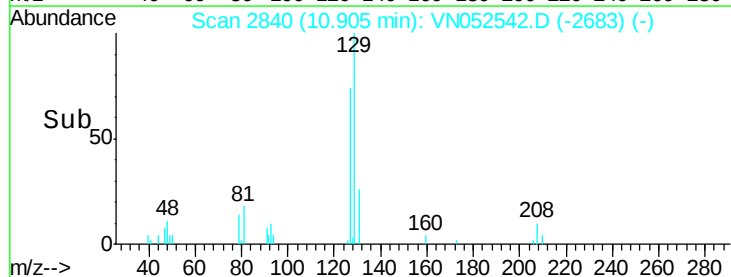
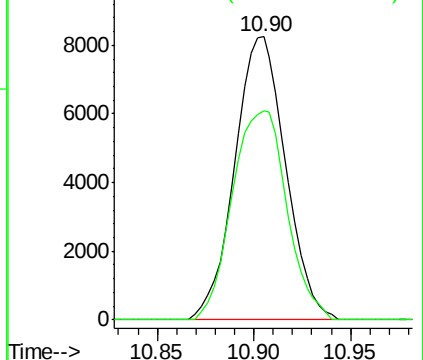
129 100

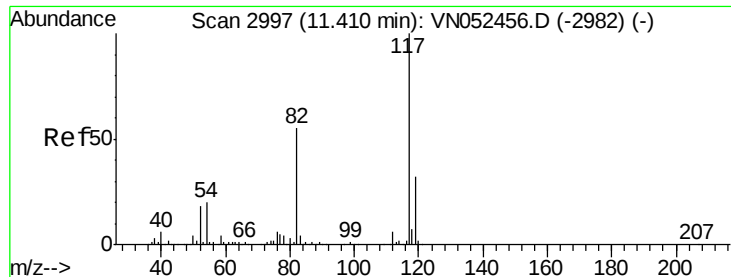
127 79.4 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): VN0

Ion 127.00 (126.70 to 127.70): VN0

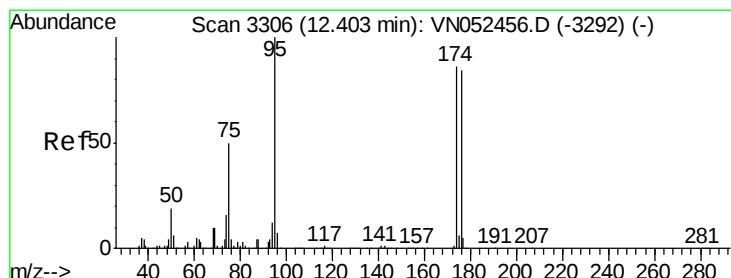
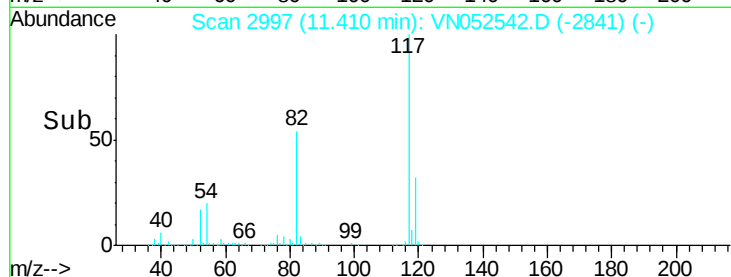
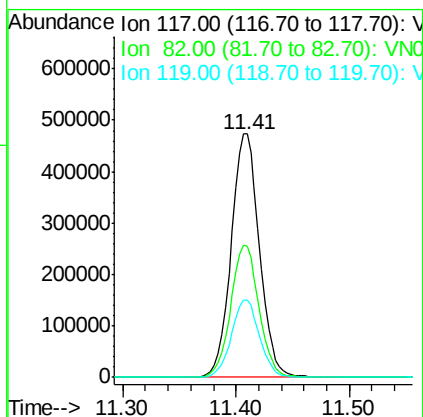
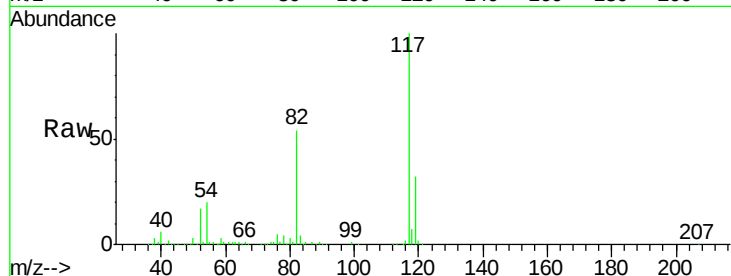




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052542.D
Acq: 29 Nov 2018 2:07

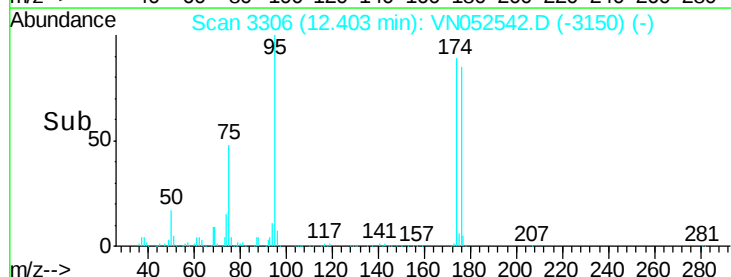
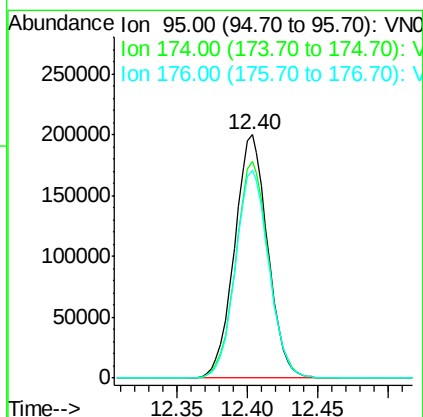
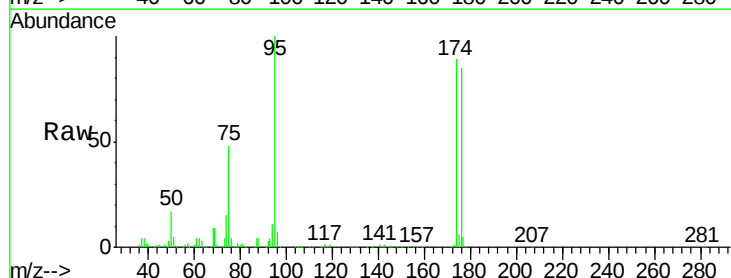
Instrument :
MSVOA_N
ClientSampled :
14B-1

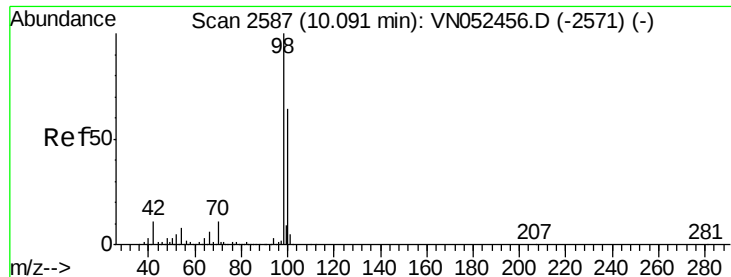
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.2
119	31.9	25.4	38.2



#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052542.D
Acq: 29 Nov 2018 2:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.8	67.9	101.9
176	85.8	66.4	99.6





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052542.D

Acq: 29 Nov 2018 2:07

Instrument :

MSVOA_N

ClientSampleId :

14B-1

Tot Ion: 98 Resp: 1138534

Ion Ratio Lower Upper

98 100

100 64.6 51.1 76.7

