

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052543.D
 Acq On : 29 Nov 2018 2:33
 Operator : MD\SY
 Sample : J6120-01DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1DL

Quant Time: Nov 29 09:32:08 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	177475	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1028804	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	850779	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	361963	29.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.77%
60) 4-Bromofluorobenzene	12.40	95	341006	26.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.40%
63) Toluene-d8	10.09	98	1188902	30.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.47%

Target Compounds

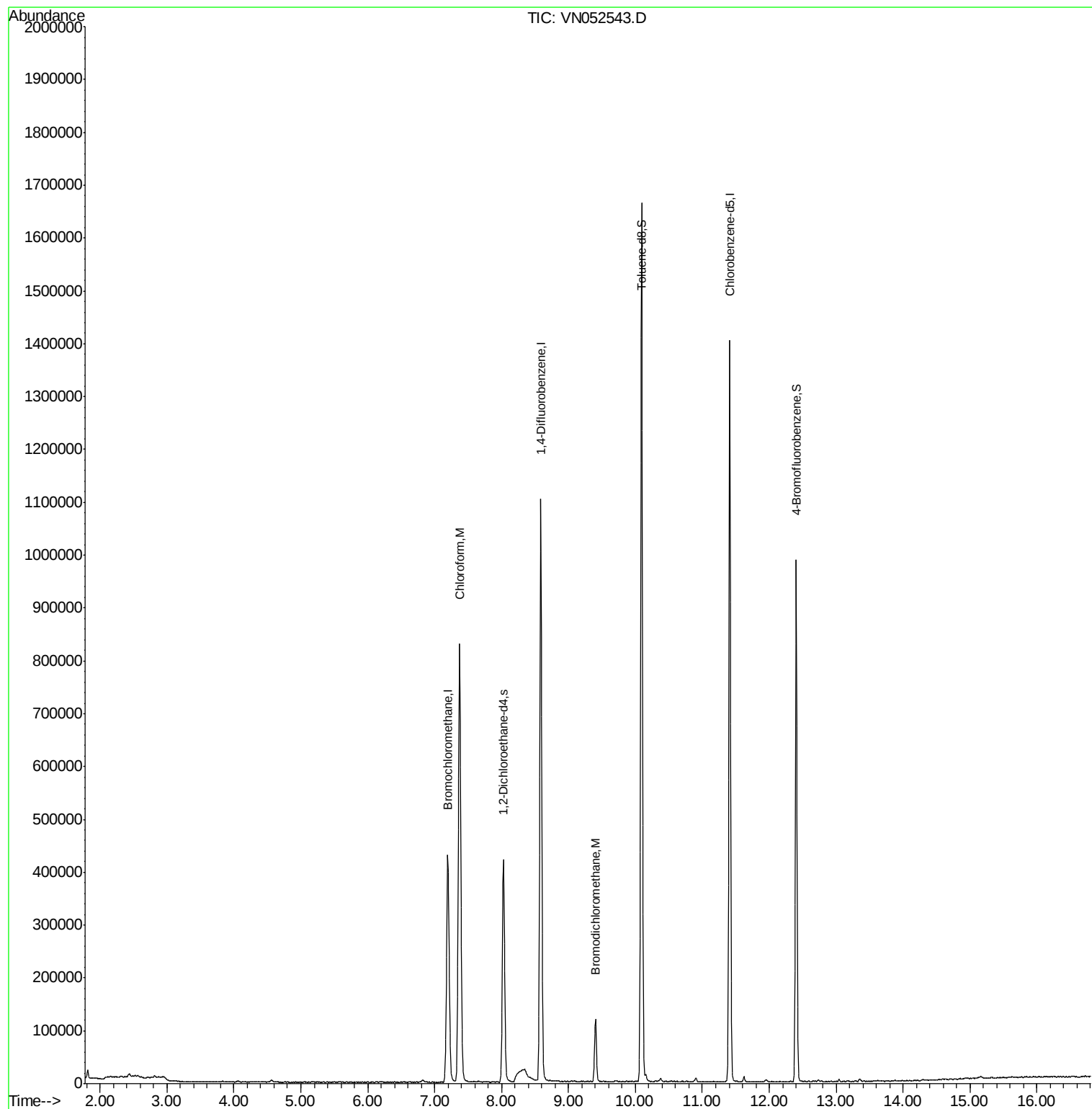
					Ovalue
25) Chloroform	7.37	83	898503	44.800	ug/l 100
41) Bromodichloromethane	9.40	83	86233	5.704	ug/l 98

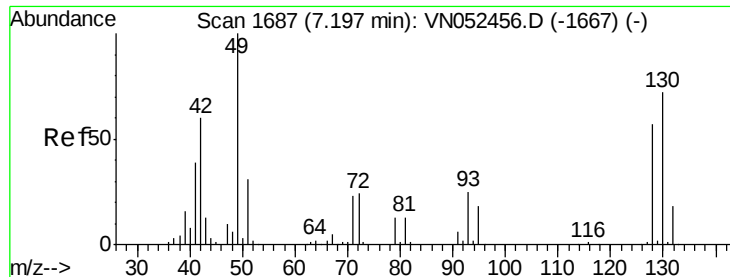
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052543.D

Acq: 29 Nov 2018 2:33

Instrument :

MSVOA_N

ClientSampled :

14B-1DL

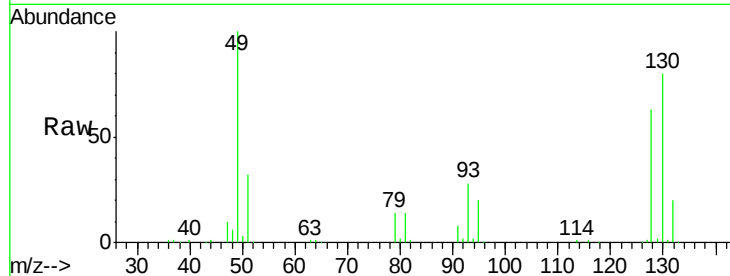
Tot Ion:128 Resp: 177475

Ion Ratio Lower Upper

128 100

49 159.1 0.0 431.8

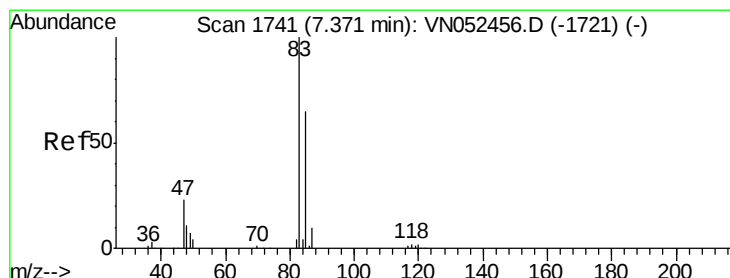
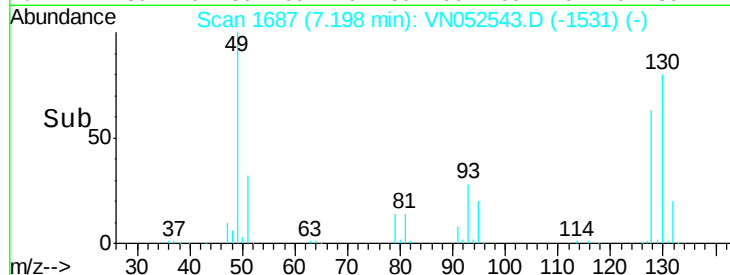
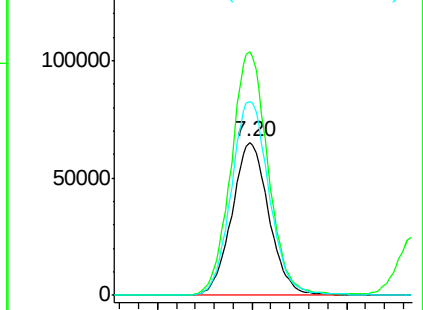
130 129.3 0.0 317.0



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: 44.800 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052543.D

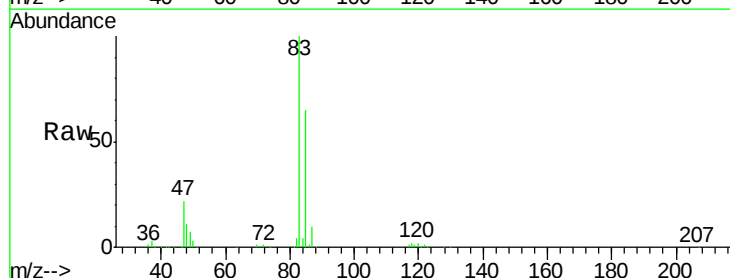
Acq: 29 Nov 2018 2:33

Tgt Ion: 83 Resp: 898503

Ion Ratio Lower Upper

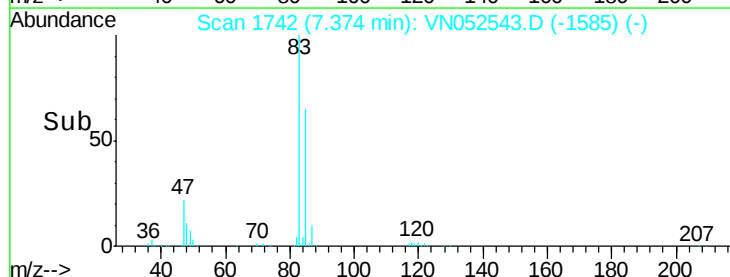
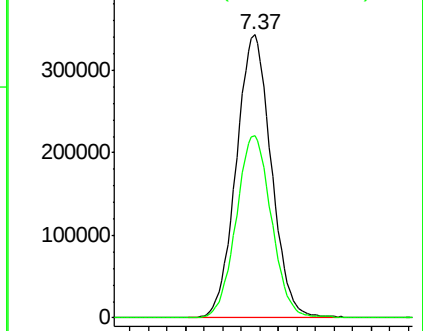
83 100

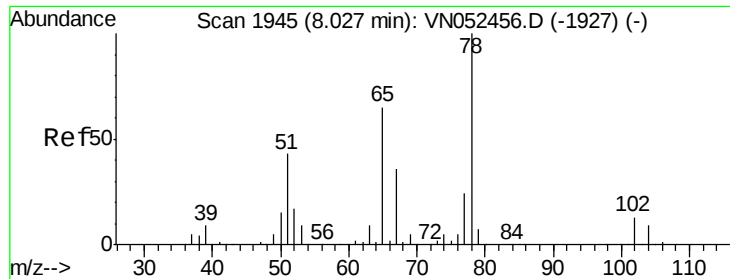
85 64.6 51.7 77.5



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: VN052543.D

Acq: 29 Nov 2018 2:33

Instrument :

MSVOA_N

ClientSampleId :

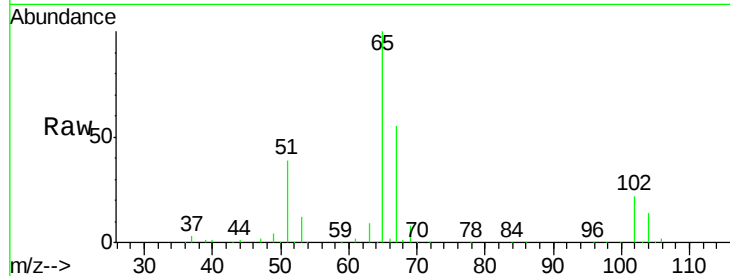
14B-1DL

Tot Ion: 65 Resp: 361963

Ion Ratio Lower Upper

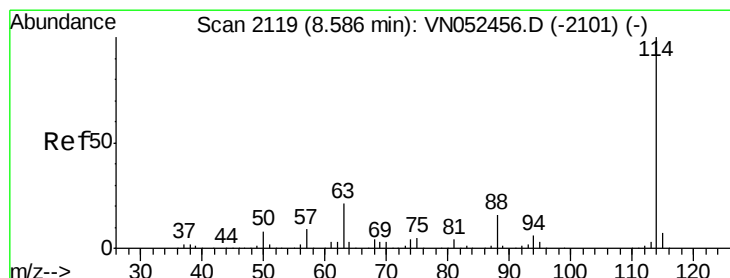
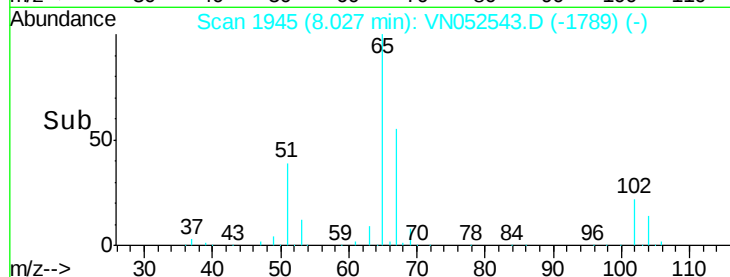
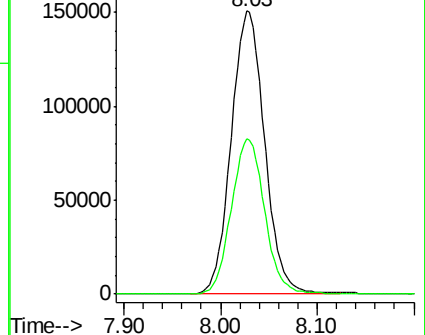
65 100

67 54.6 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN052543.D (-1789) (-)

Ion 67.00 (66.70 to 67.70): VN052543.D (-1789) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052543.D

Acq: 29 Nov 2018 2:33

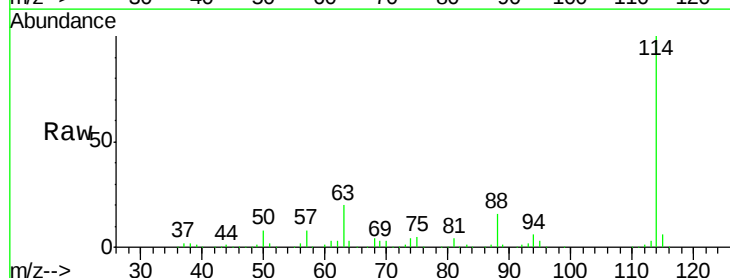
Tgt Ion: 114 Resp: 1028804

Ion Ratio Lower Upper

114 100

63 20.1 16.9 25.3

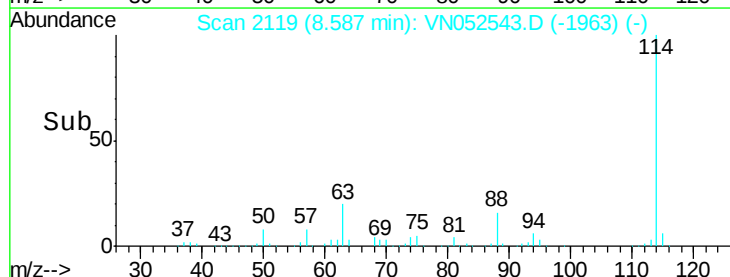
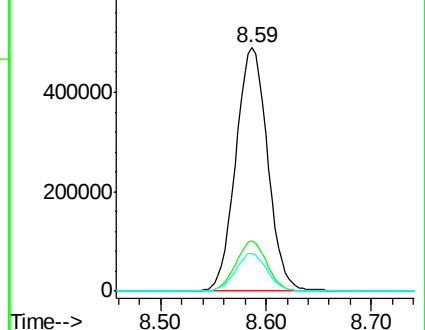
88 15.4 12.8 19.2

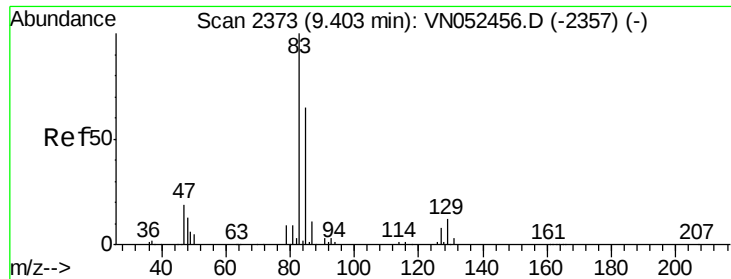


Abundance Ion 114.00 (113.70 to 114.70): VN052543.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN052543.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN052543.D (-1963) (-)

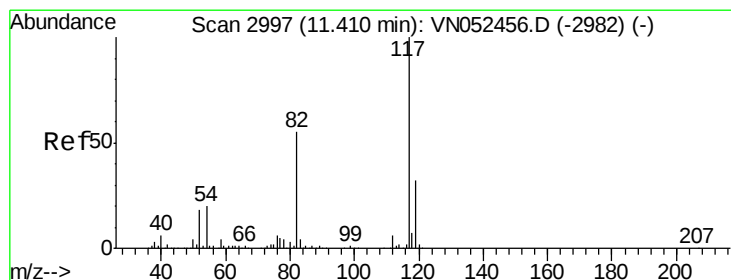
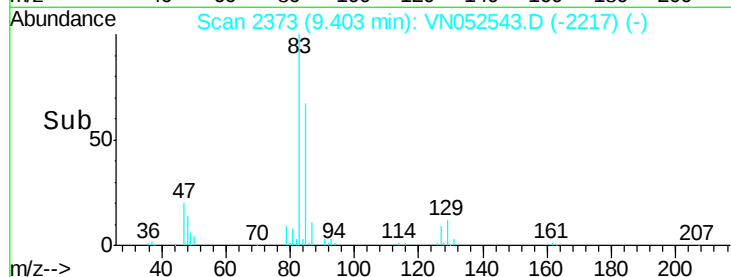
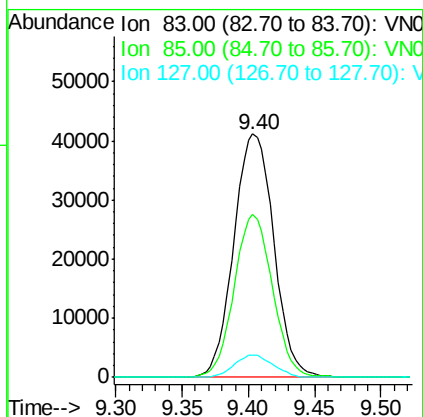
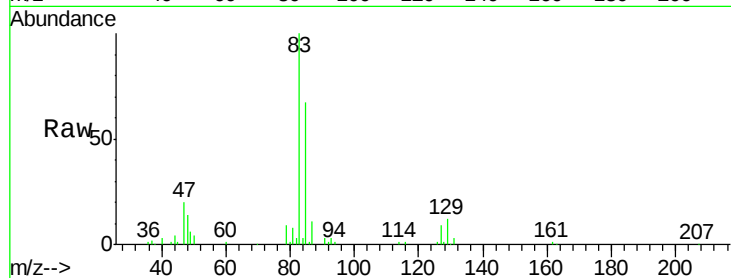




#41
 Bromodichloromethane
 Concen: 5.704 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052543.D
 Acq: 29 Nov 2018 2:33

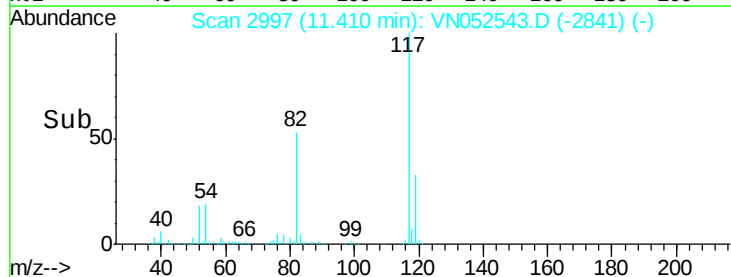
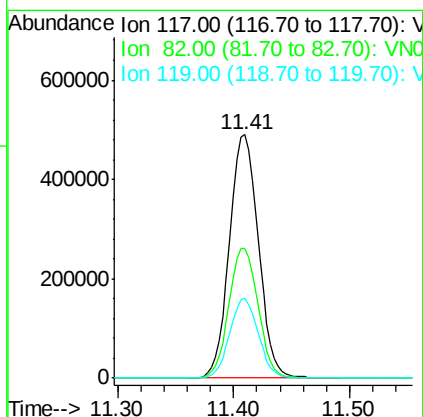
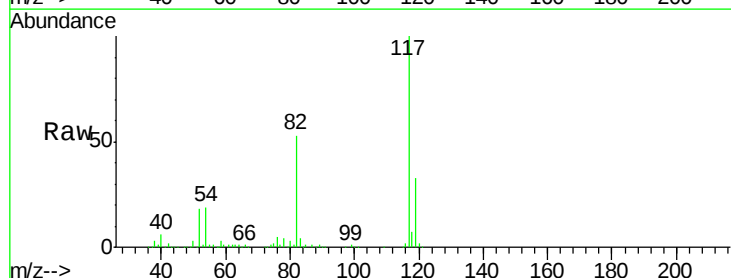
Instrument :
 MSVOA_N
 ClientSampled :
 14B-1DL

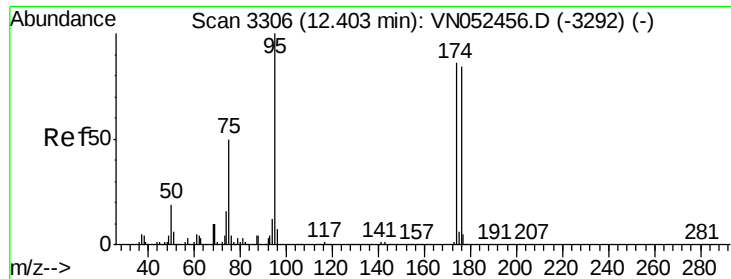
Tot Ion	83	Resp	86233
Ion Ratio	Lower	Upper	
83	100		
85	66.7	52.4	78.6
127	9.2	6.6	9.8



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN052543.D
 Acq: 29 Nov 2018 2:33

Tgt Ion	117	Resp	850779
Ion Ratio	Lower	Upper	
117	100		
82	53.7	44.2	66.2
119	32.2	25.4	38.2

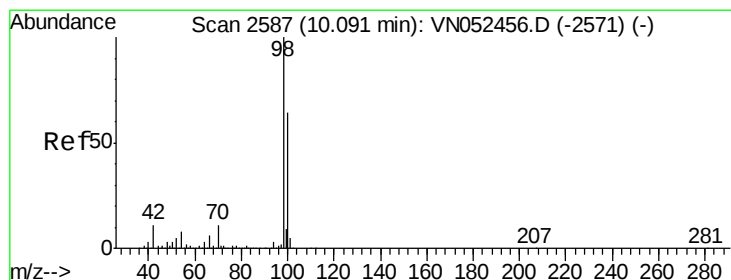
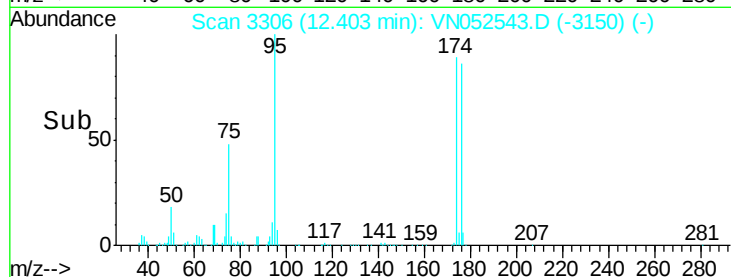
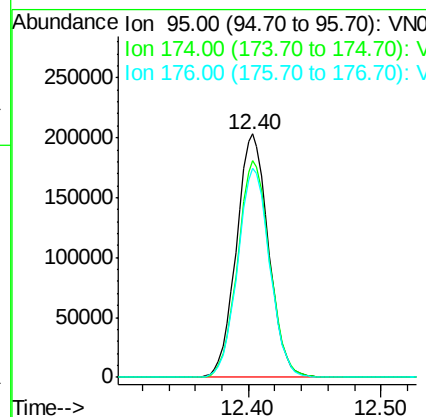
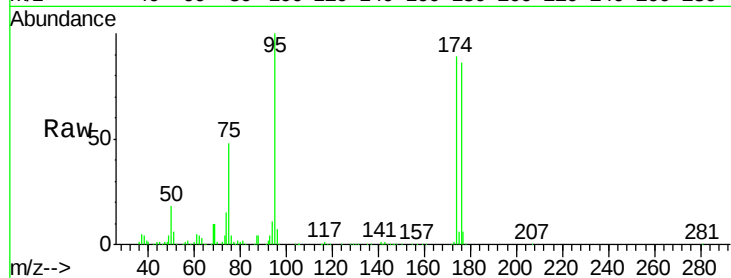




#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052543.D
Acq: 29 Nov 2018 2:33

Instrument :
MSVOA_N
ClientSampled :
14B-1DL

Tot Ion: 95 Resp: 341006
Ion Ratio Lower Upper
95 100
174 89.0 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: VN052543.D
Acq: 29 Nov 2018 2:33

Tgt Ion: 98 Resp: 1188902
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7

