

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051634.D
 Acq On : 1 Oct 2018 13:39
 Operator : MD\SY
 Sample : J5090-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Oct 02 01:30:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	94378	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	450555	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	374189	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	203369	30.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.17%
60) 4-Bromofluorobenzene	12.40	95	117772	20.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	68.23%
63) Toluene-d8	10.09	98	523702	29.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.87%

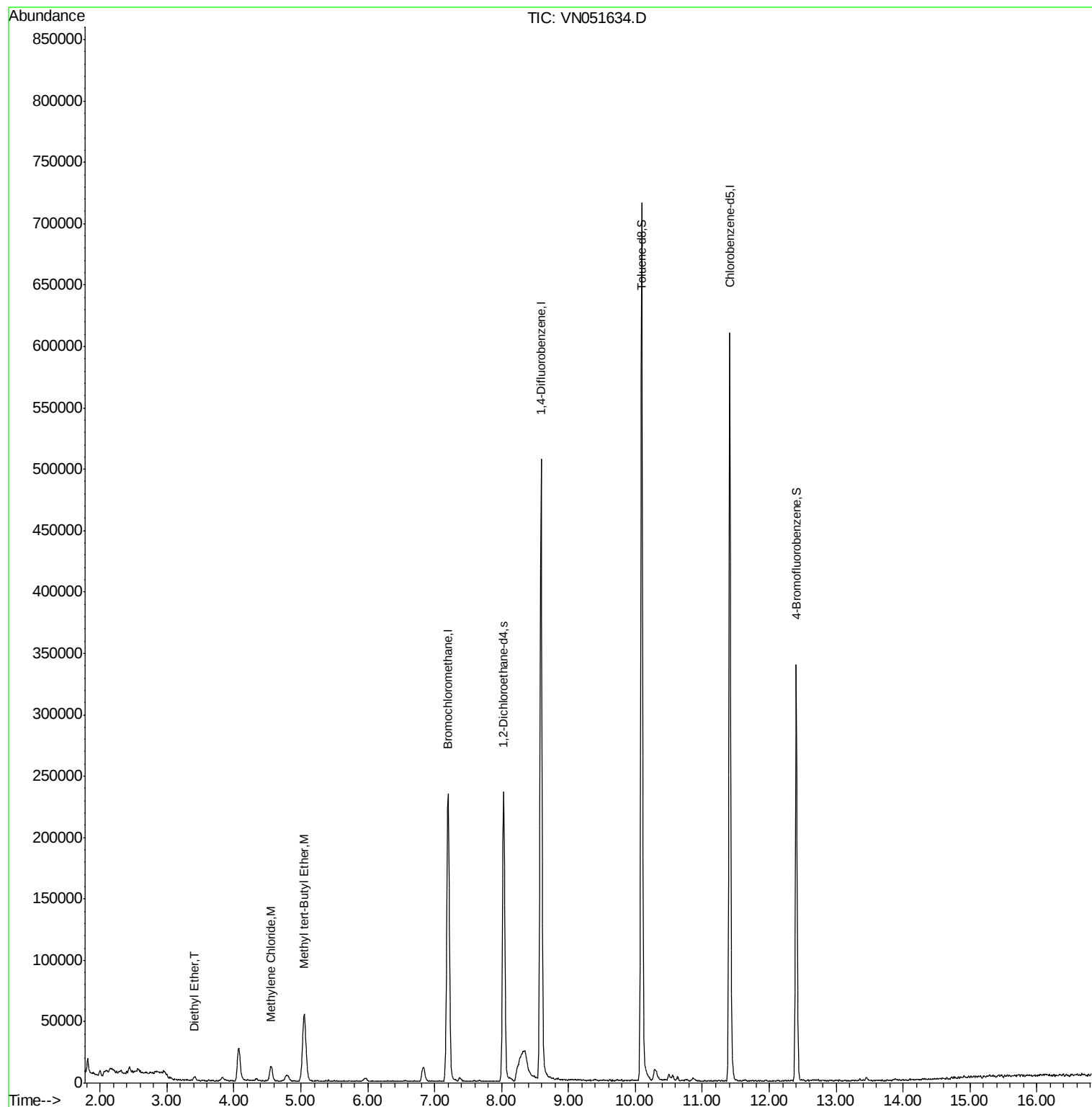
Target Compounds					Ovalue
8) Diethyl Ether	3.42	74	1398	0.401 ug/l	94
18) Methylene Chloride	4.55	84	9274	1.416 ug/l #	86
24) Methyl tert-Butyl Ether	5.05	73	80971	5.406 ug/l	93

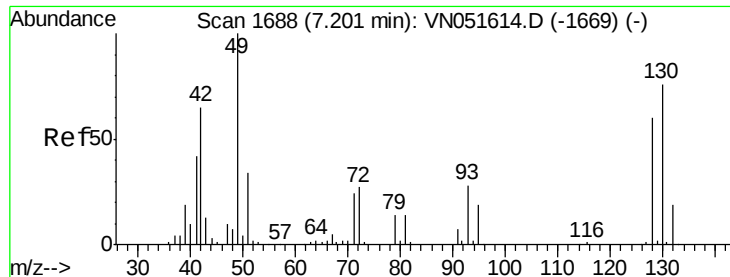
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN051634.D

Acq: 1 Oct 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

MW-4

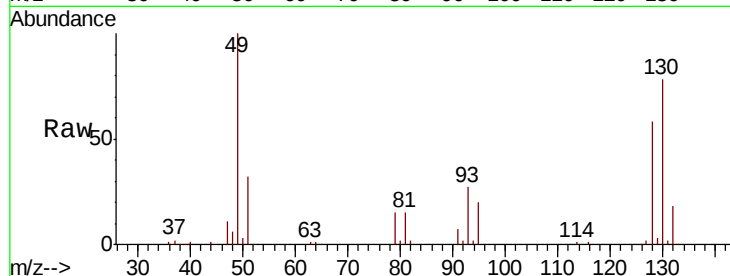
Tot Ion:128 Resp: 94378

Ion Ratio Lower Upper

128 100

49 168.2 0.0 426.8

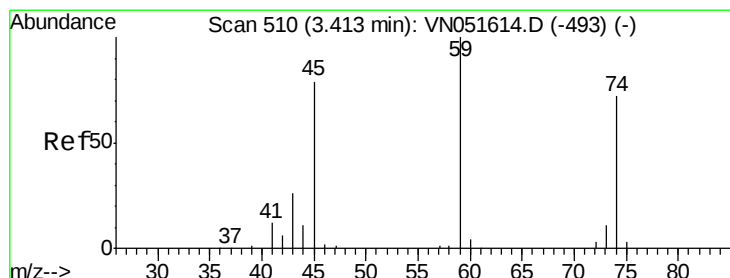
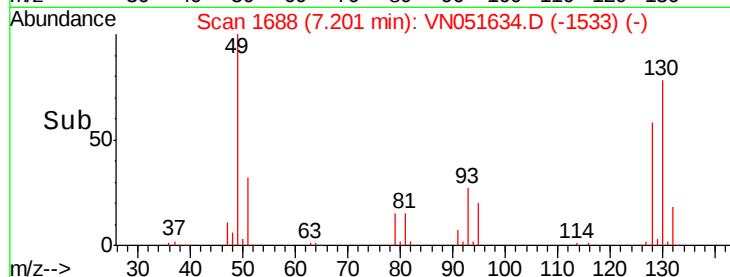
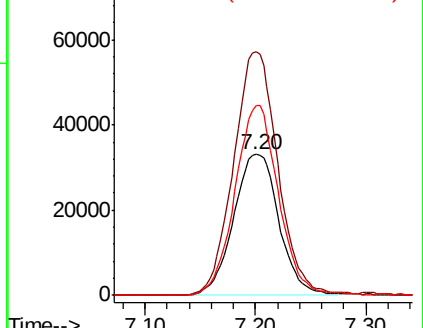
130 129.1 0.0 326.3



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



#8

Diethyl Ether

Concen: 0.401 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.00 min

Lab File: VN051634.D

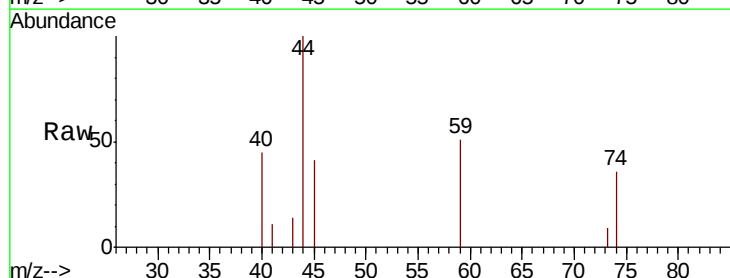
Acq: 1 Oct 2018 13:39

Tgt Ion: 74 Resp: 1398

Ion Ratio Lower Upper

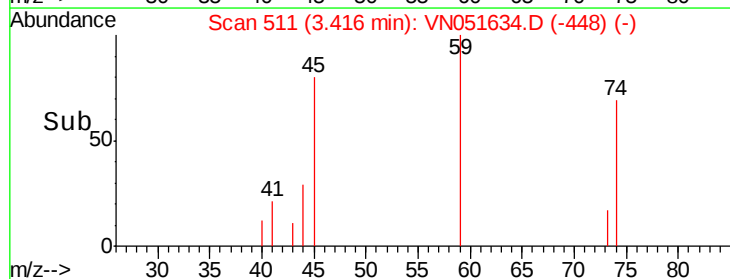
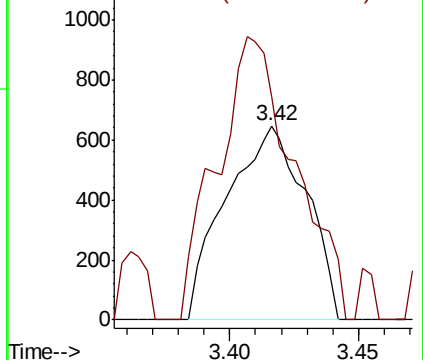
74 100

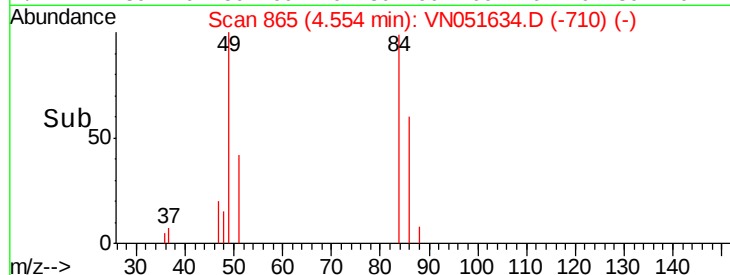
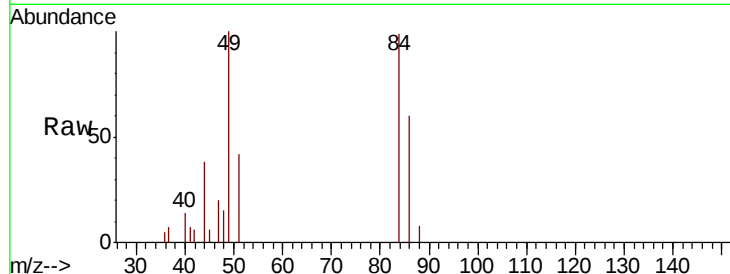
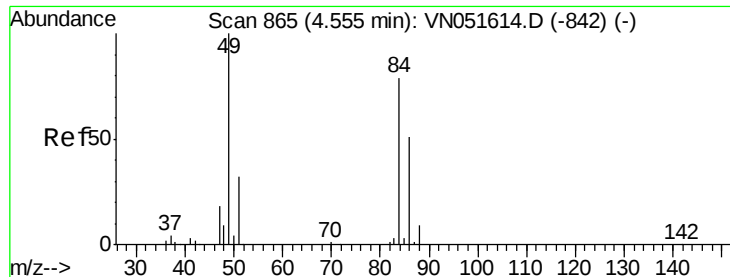
45 112.9 21.3 191.5



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

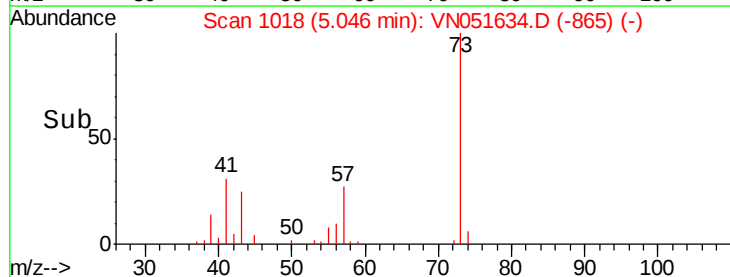
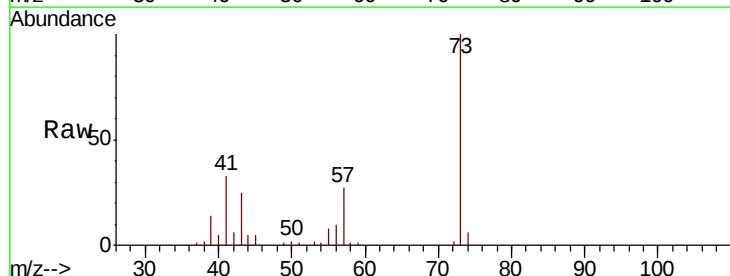
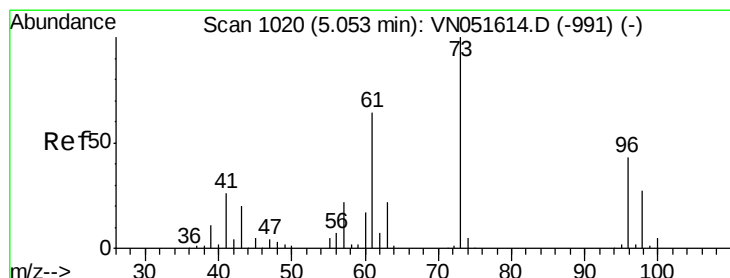
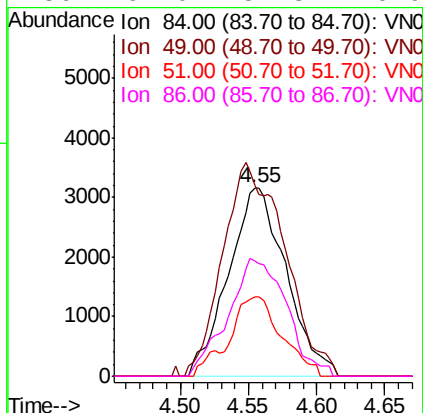




#18
Methylene Chloride
Concen: 1.416 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051634.D
Acq: 1 Oct 2018 13:39

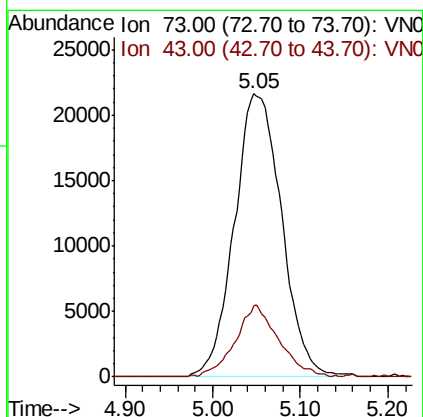
Instrument :
MSVOA_N
ClientSampled :
MW-4

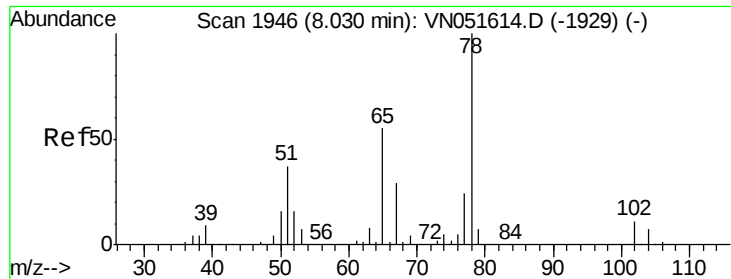
Tot Ion: 84 Resp: 9274
Ion Ratio Lower Upper
84 100
49 100.9 100.9 151.3#
51 42.2 32.5 48.7
86 61.0 51.3 76.9



#24
Methyl tert-Butyl Ether
Concen: 5.406 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VN051634.D
Acq: 1 Oct 2018 13:39

Tgt Ion: 73 Resp: 80971
Ion Ratio Lower Upper
73 100
43 23.1 16.1 24.1

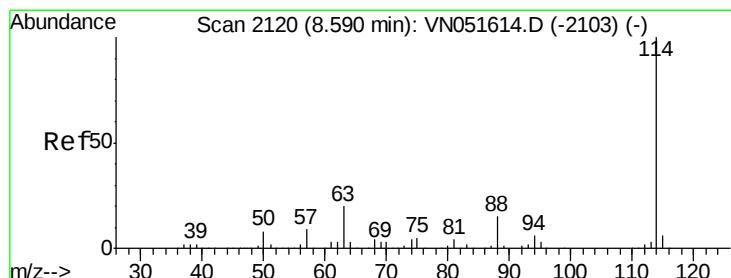
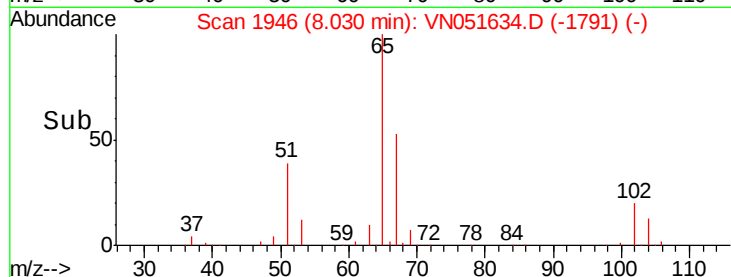
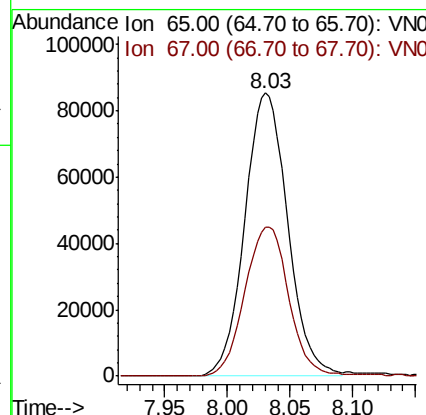
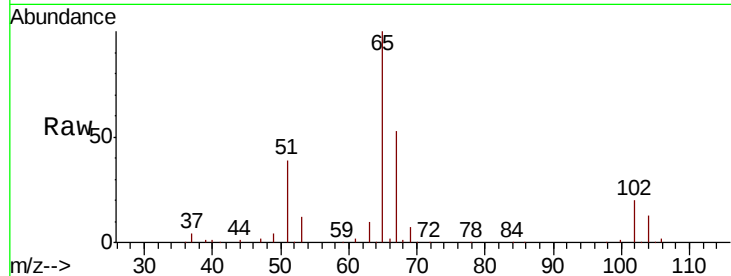




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051634.D
 Acq: 1 Oct 2018 13:39

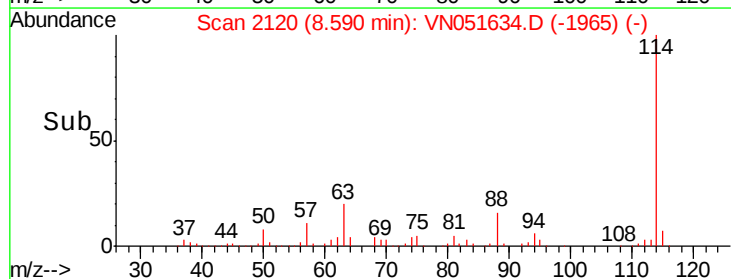
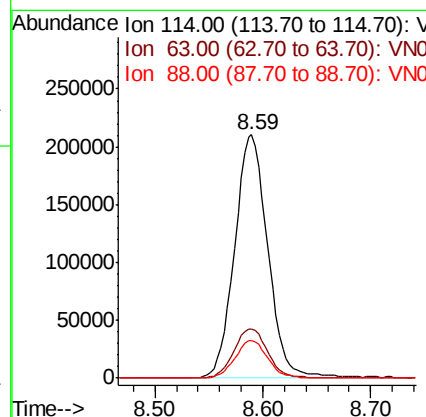
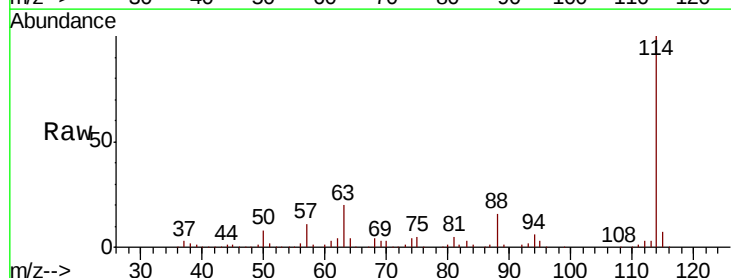
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

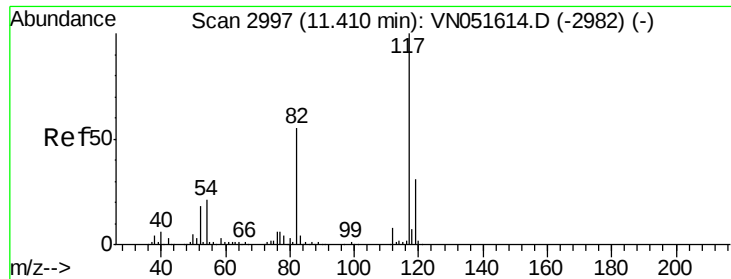
Tot Ion: 65 Resp: 203369
 Ion Ratio Lower Upper
 65 100
 67 53.8 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. -0.00 min
 Lab File: VN051634.D
 Acq: 1 Oct 2018 13:39

Tgt Ion: 114 Resp: 450555
 Ion Ratio Lower Upper
 114 100
 63 20.7 16.4 24.6
 88 15.3 12.6 18.8





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN051634.D

Acq: 1 Oct 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

MW-4

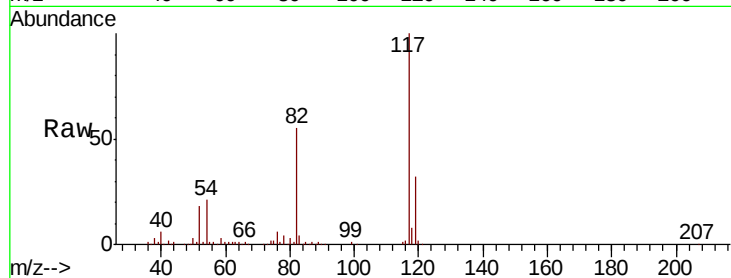
Tot Ion:117 Resp: 374189

Ion Ratio Lower Upper

117 100

82 55.2 44.2 66.2

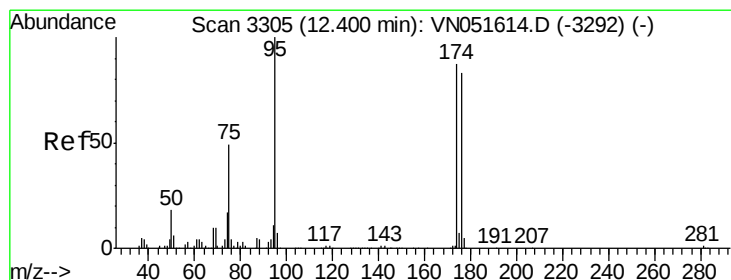
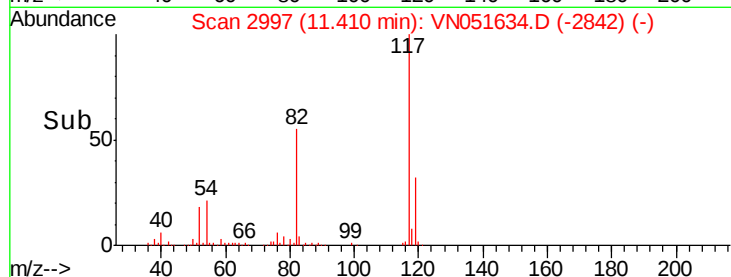
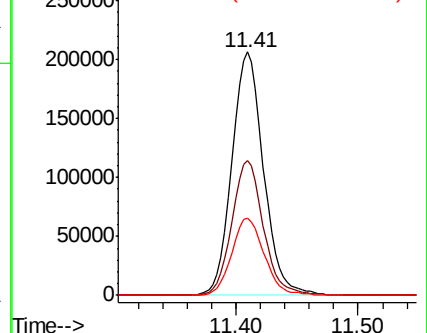
119 32.8 25.2 37.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN

Ion 119.00 (118.70 to 119.70): V



#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051634.D

Acq: 1 Oct 2018 13:39

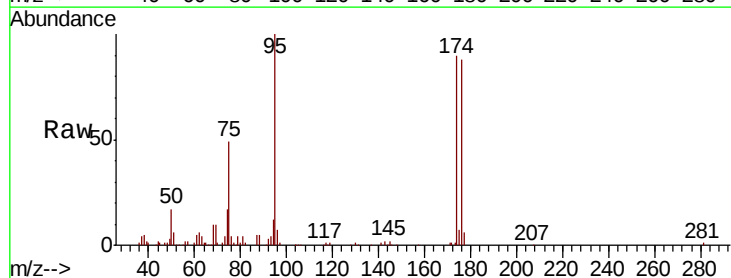
Tgt Ion: 95 Resp: 117772

Ion Ratio Lower Upper

95 100

174 90.4 71.2 106.8

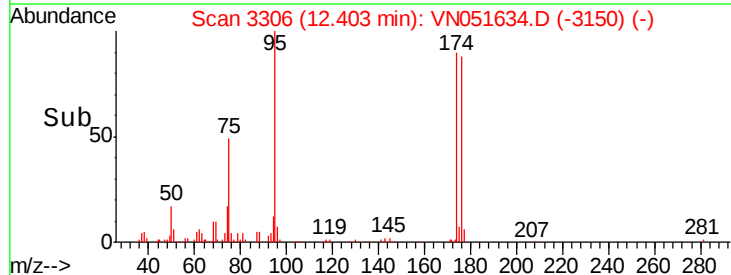
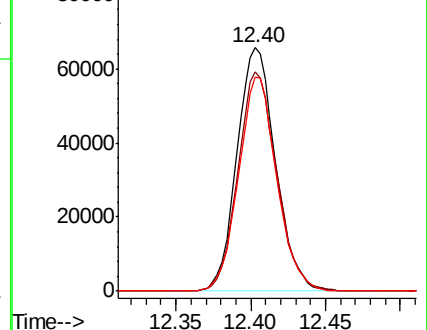
176 87.1 67.8 101.8

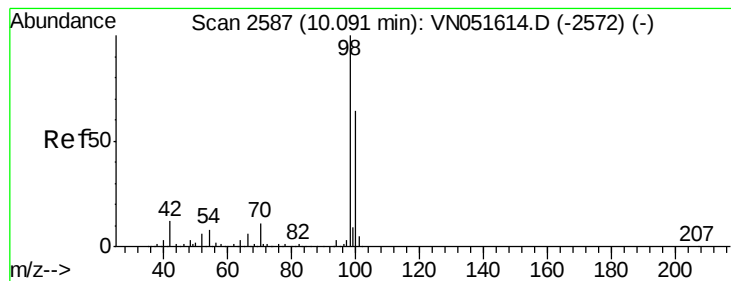


Abundance Ion 95.00 (94.70 to 95.70): VN

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN051634.D

Acq: 1 Oct 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

MW-4

Tot Ion: 98 Resp: 523702

Ion Ratio Lower Upper

98 100

100 61.6 51.4 77.0

