

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051633.D
 Acq On : 1 Oct 2018 13:14
 Operator : MD\SY
 Sample : J5090-02
 Misc : Sample
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Oct 02 01:01:08 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	91056	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	427821	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	359942	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	192266	30.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.10%
60) 4-Bromofluorobenzene	12.40	95	110460	19.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	66.53%
63) Toluene-d8	10.09	98	490283	28.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.23%

Target Compounds

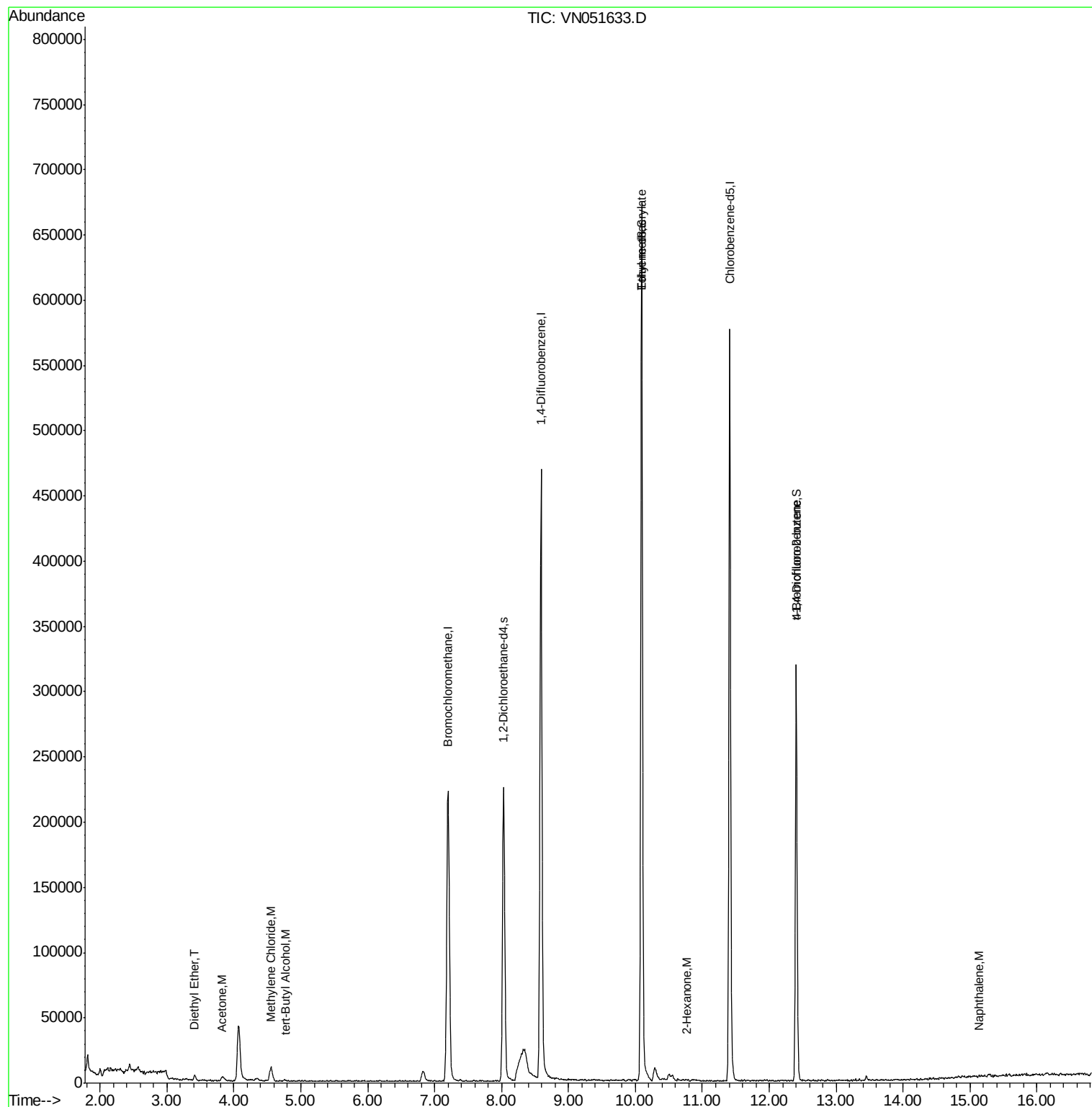
					Ovalue
8) Diethyl Ether	3.41	74	951	0.282 ug/l	90
15) Acetone	3.83	58	297	0.583 ug/l	73
18) Methylene Chloride	4.55	84	7388	1.169 ug/l	97
23) tert-Butyl Alcohol	4.77	59	133	0.358 ug/l #	100
51) Ethyl methacrylate	10.10	69	1794	0.318 ug/l	90
59) 2-Hexanone	10.76	43	678	0.252 ug/l #	35
77) t-1,4-Dichloro-2-butene	12.40	75	54223	37.337 ug/l #	12
91) Naphthalene	15.14	128	438	8.307 ug/l #	68

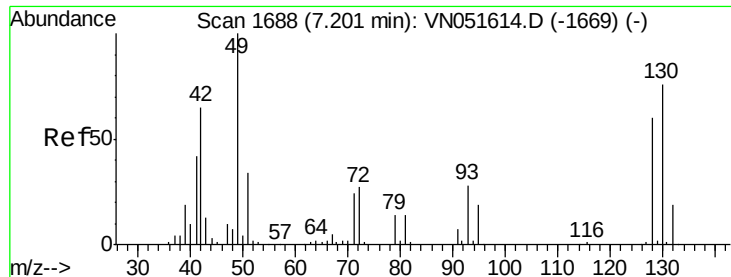
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Sep 29 01:07:29 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN051633.D

Acq: 1 Oct 2018 13:14

Instrument :

MSVOA_N

ClientSampleId :

MW-2

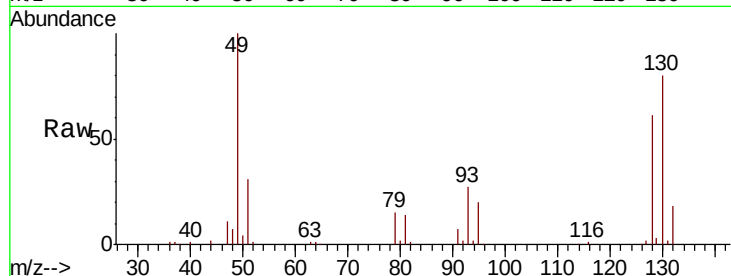
Tot Ion:128 Resp: 91056

Ion Ratio Lower Upper

128 100

49 167.2 0.0 426.8

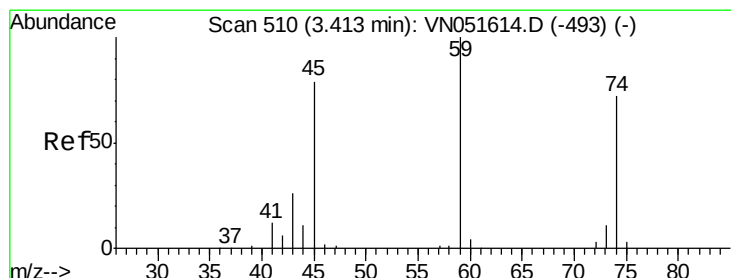
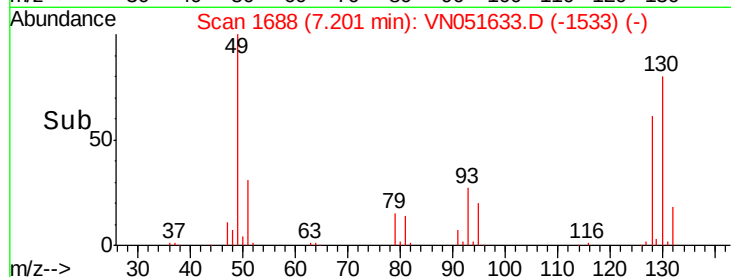
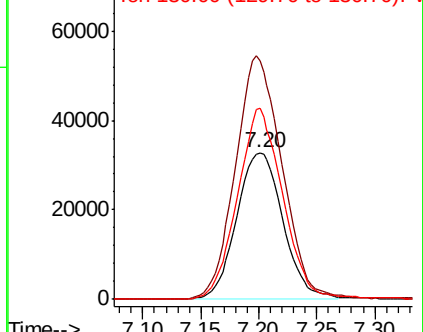
130 128.0 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#8

Diethyl Ether

Concen: 0.282 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN051633.D

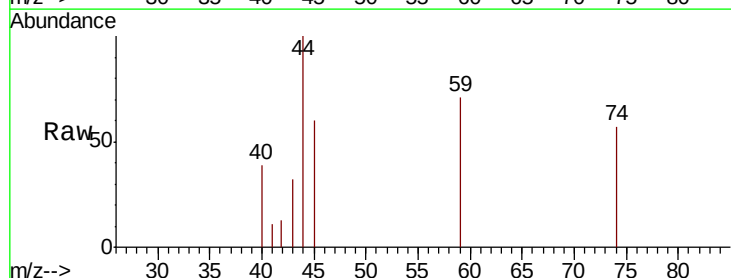
Acq: 1 Oct 2018 13:14

Tgt Ion: 74 Resp: 951

Ion Ratio Lower Upper

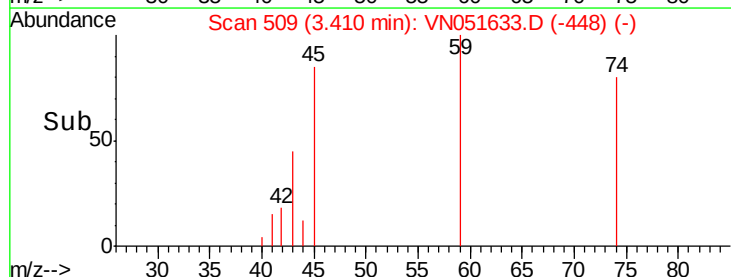
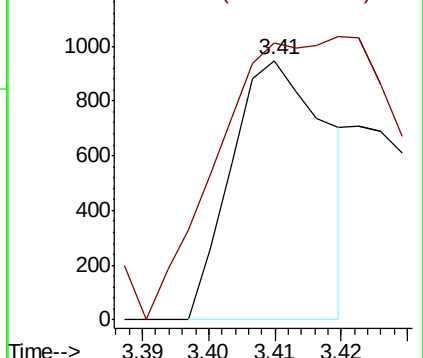
74 100

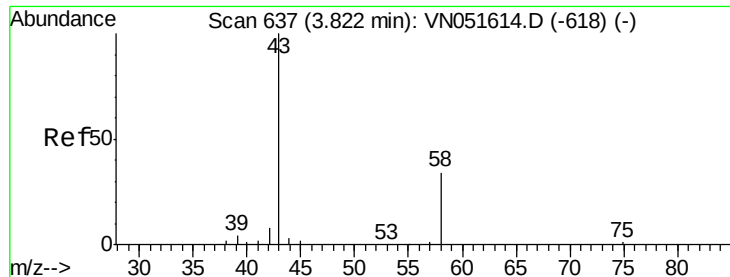
45 95.7 21.3 191.5



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#15

Acetone

Concen: 0.583 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051633.D

Acq: 1 Oct 2018 13:14

Instrument :

MSVOA_N

ClientSampled :

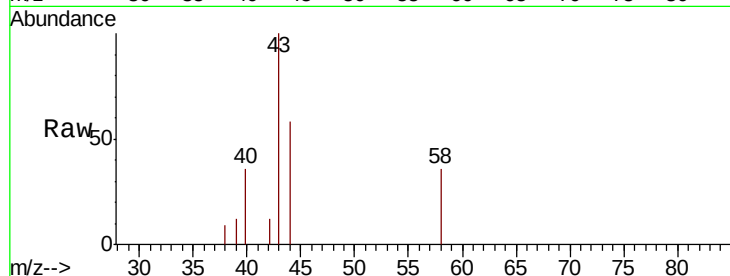
MW-2

Tot Ion: 58 Resp: 297

Ion Ratio Lower Upper

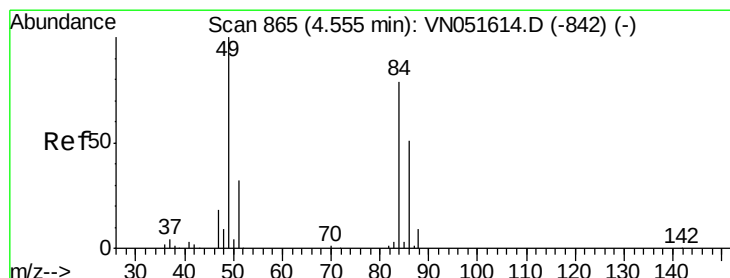
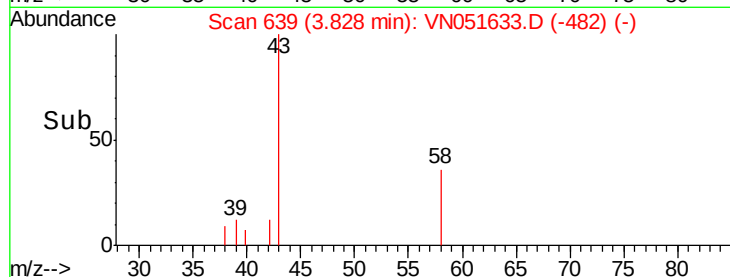
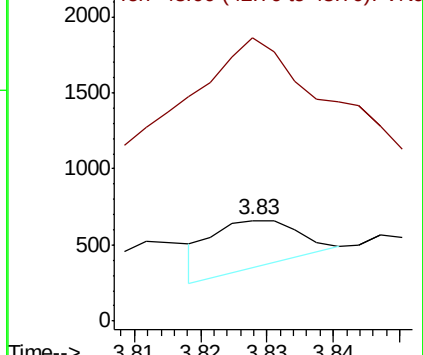
58 100

43 245.0 238.0 357.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#18

Methylene Chloride

Concen: 1.169 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN051633.D

Acq: 1 Oct 2018 13:14

Tgt Ion: 84 Resp: 7388

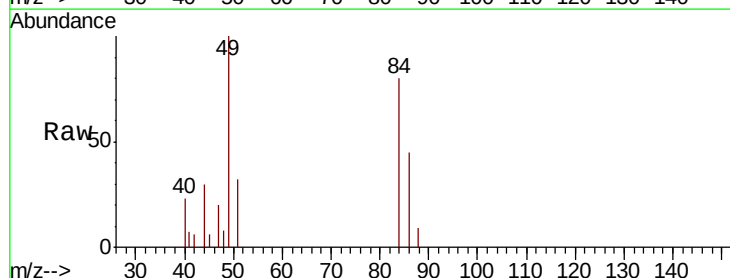
Ion Ratio Lower Upper

84 100

49 125.4 100.9 151.3

51 40.1 32.5 48.7

86 56.2 51.3 76.9

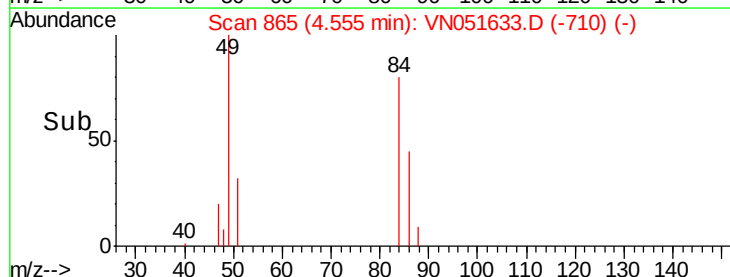
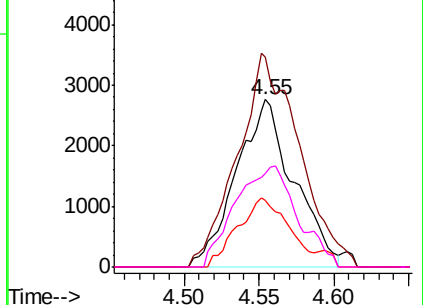


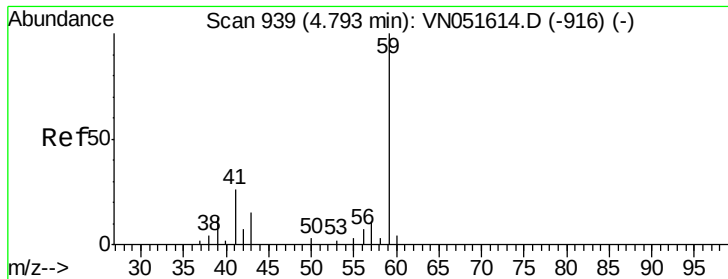
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



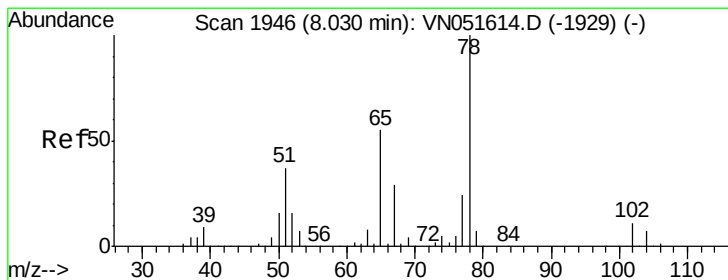
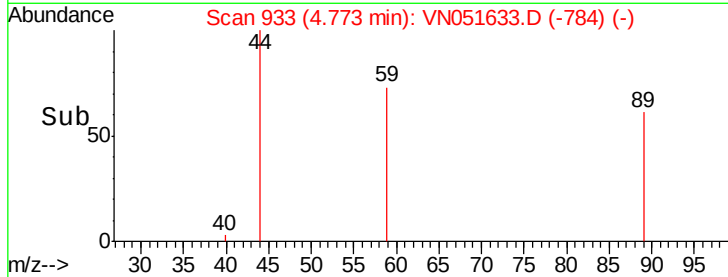
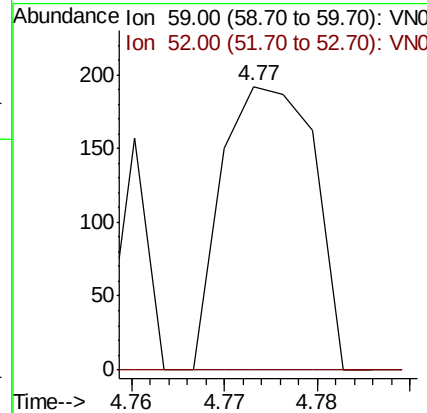
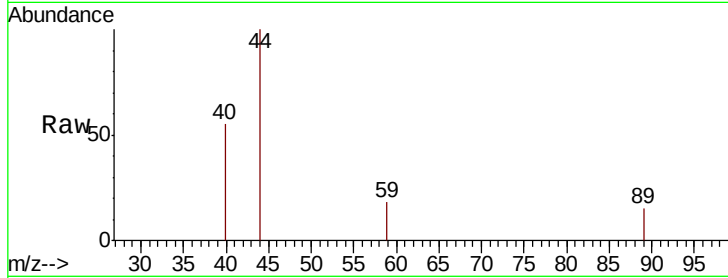


#23

tert-Butyl Alcohol
 Concen: 0.358 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.02 min
 Lab File: VN051633.D
 Acq: 1 Oct 2018 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

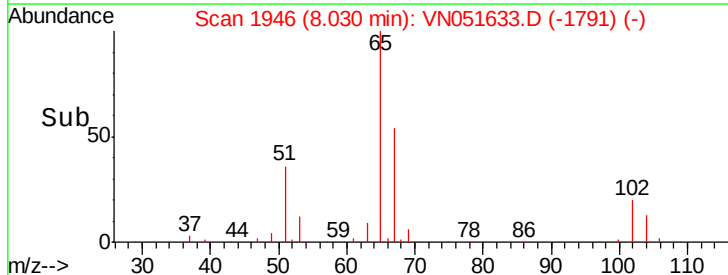
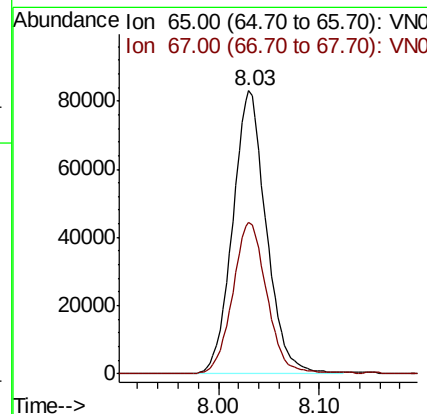
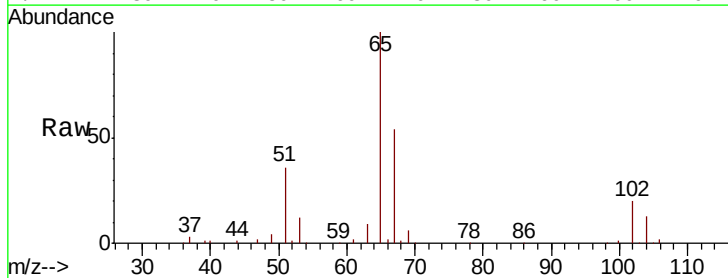
Tot Ion: 59 Resp: 133
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

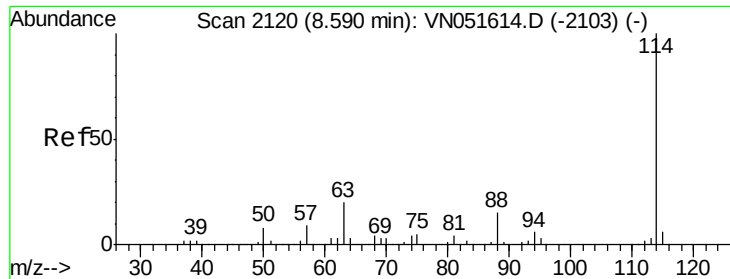


#27

1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051633.D
 Acq: 1 Oct 2018 13:14

Tgt Ion: 65 Resp: 192266
 Ion Ratio Lower Upper
 65 100
 67 54.2 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: VN051633.D

Acq: 1 Oct 2018 13:14

Instrument :

MSVOA_N

ClientSampled :

MW-2

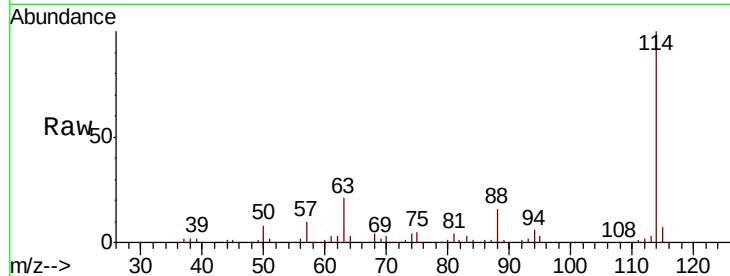
Tot Ion:114 Resp: 427821

Ion Ratio Lower Upper

114 100

63 20.3 16.4 24.6

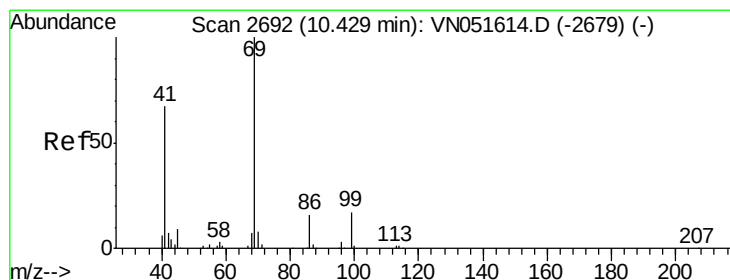
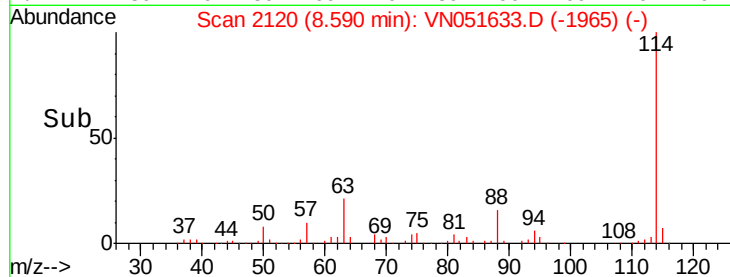
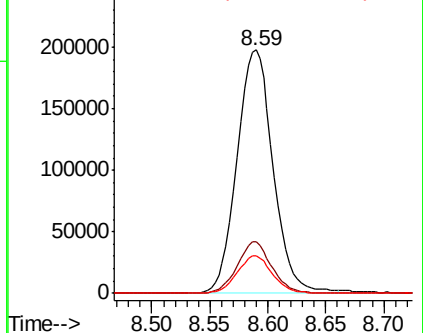
88 15.2 12.6 18.8



Abundance Ion 114.00 (113.70 to 114.70): VN0

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0



#51

Ethyl methacrylate

Concen: 0.318 ug/l

RT: 10.10 min Scan# 2590

Delta R.T. -0.33 min

Lab File: VN051633.D

Acq: 1 Oct 2018 13:14

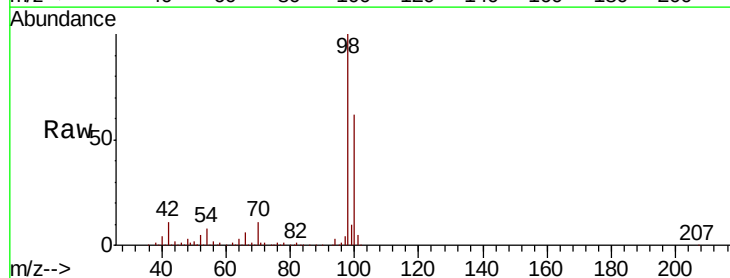
Tgt Ion: 69 Resp: 1794

Ion Ratio Lower Upper

69 100

41 62.0 33.3 99.8

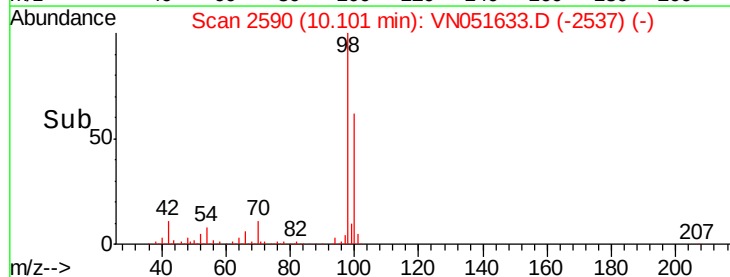
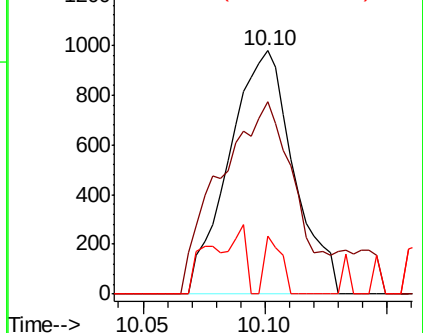
39 23.6 17.2 51.6

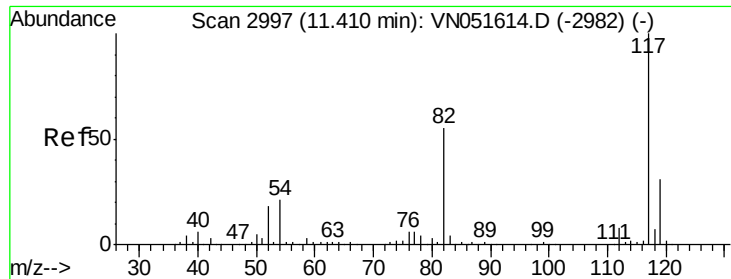


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

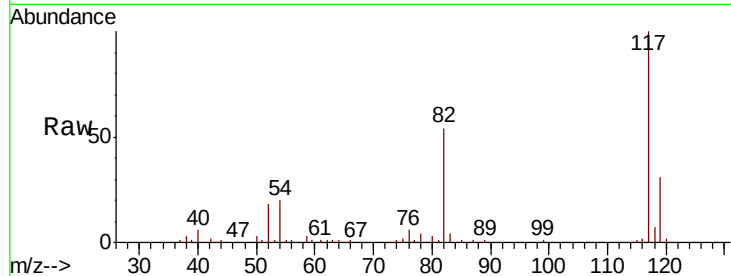




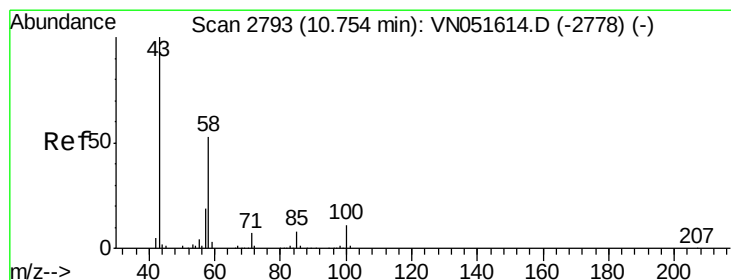
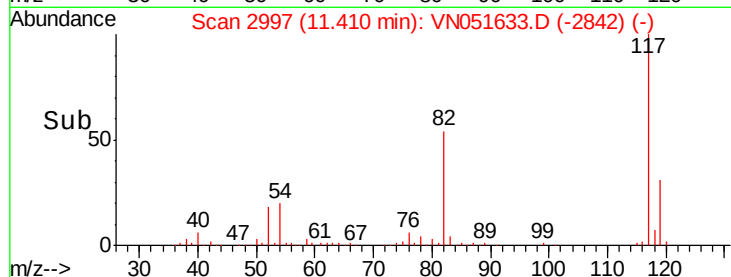
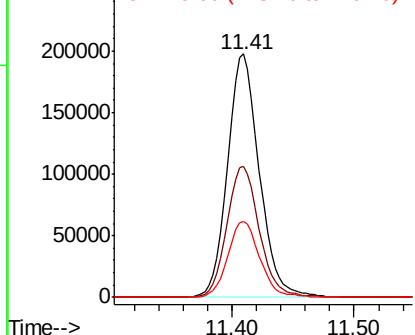
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051633.D
Acq: 1 Oct 2018 13:14

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion:117 Resp: 359942
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 31.4 25.2 37.8

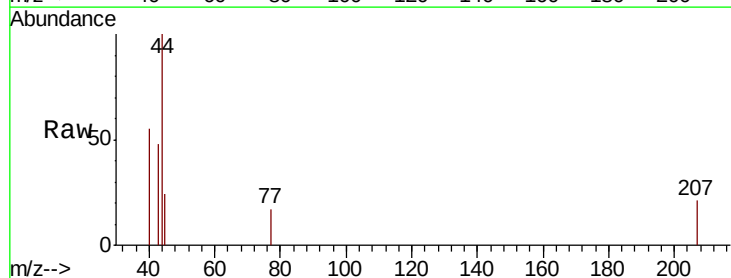


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

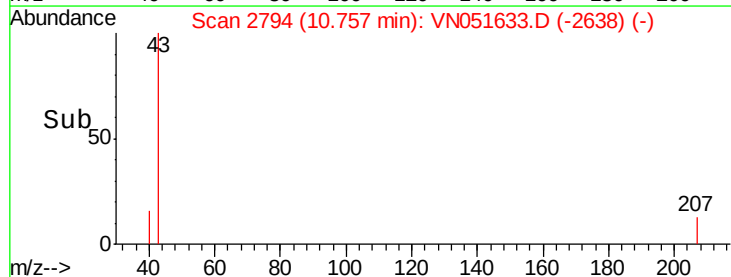
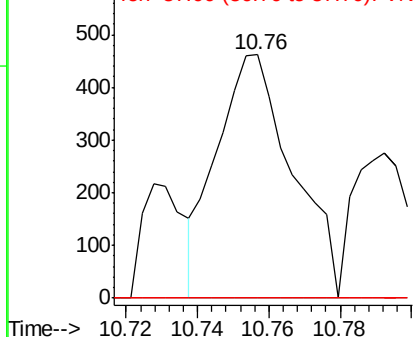


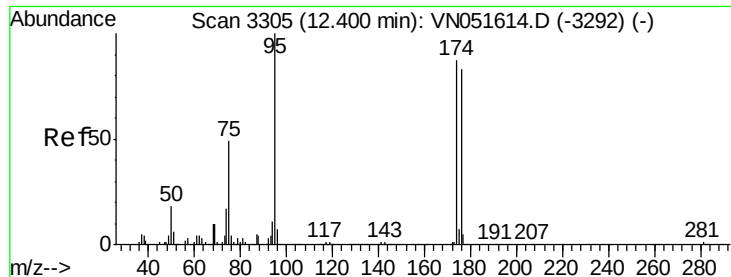
#59
2-Hexanone
Concen: 0.252 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN051633.D
Acq: 1 Oct 2018 13:14

Tgt Ion: 43 Resp: 678
Ion Ratio Lower Upper
43 100
58 0.0 41.5 62.3#
57 0.0 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 57.00 (56.70 to 57.70): VN

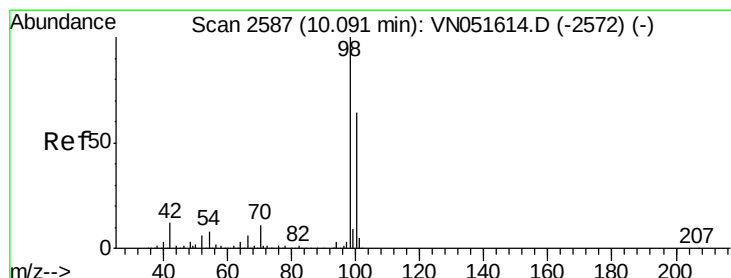
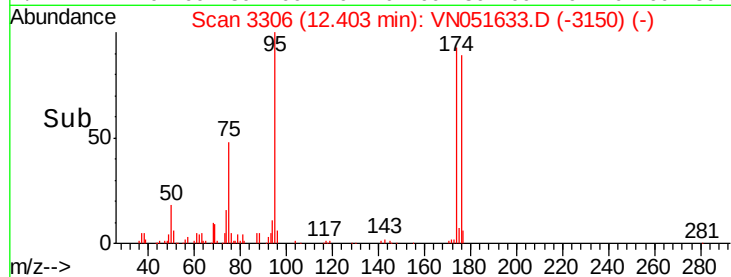
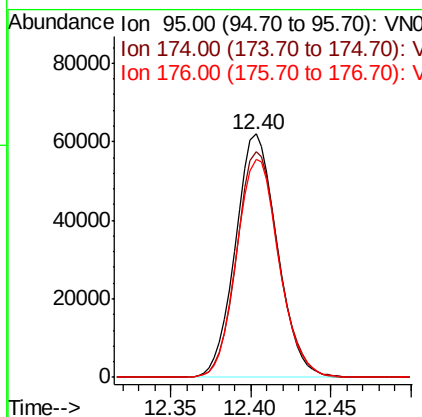
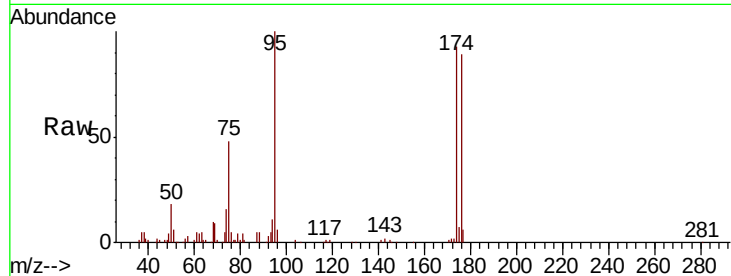




#60
 4-Bromofluorobenzene
 Concen: 0.252 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051633.D
 Acq: 1 Oct 2018 13:14

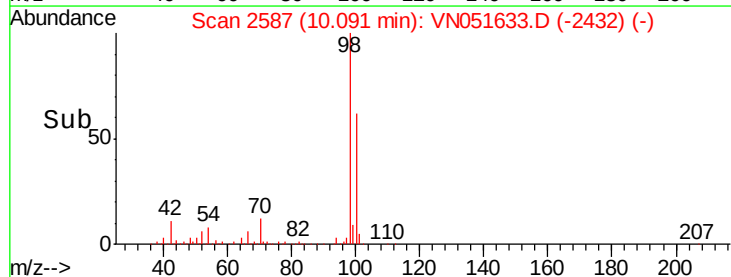
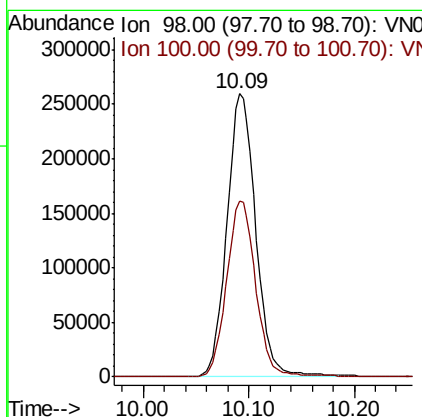
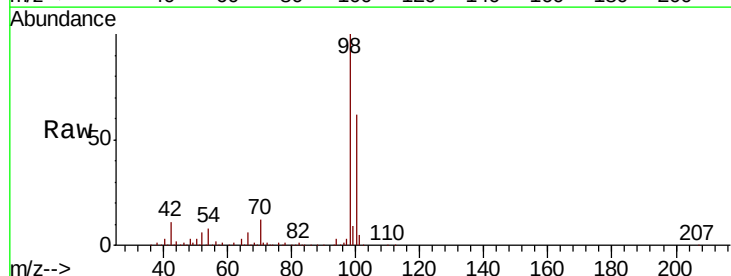
Instrument :
 MSVOA_N
 ClientSampled :
 MW-2

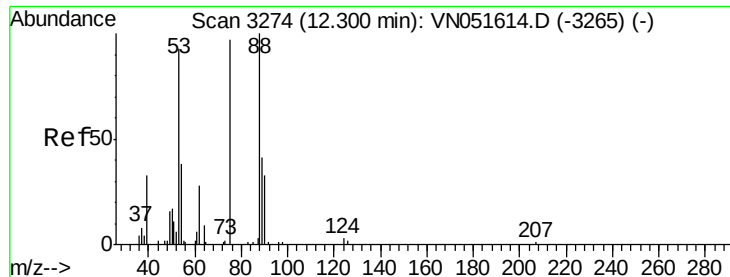
Tot Ion: 95 Resp: 110460
 Ion Ratio Lower Upper
 95 100
 174 93.1 71.2 106.8
 176 91.0 67.8 101.8



#63
 Toluene-d8
 Concen: Below ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051633.D
 Acq: 1 Oct 2018 13:14

Tgt Ion: 98 Resp: 490283
 Ion Ratio Lower Upper
 98 100
 100 62.4 51.4 77.0

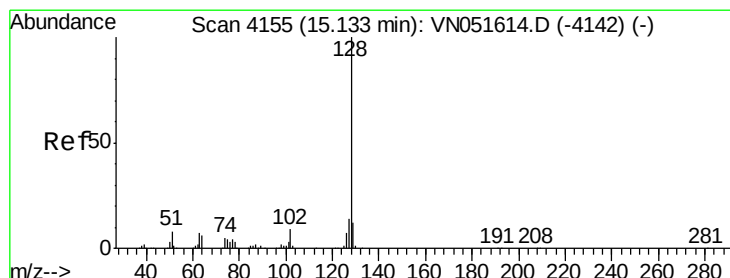
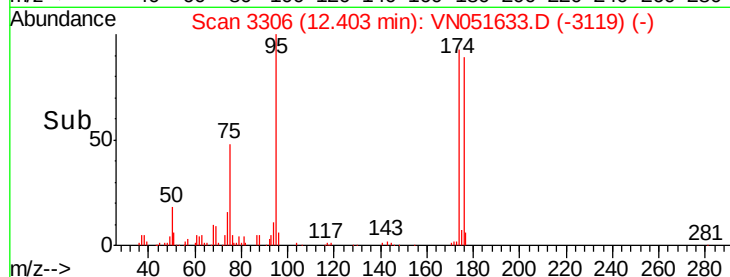
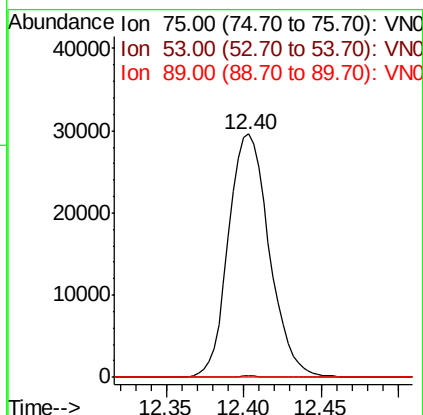
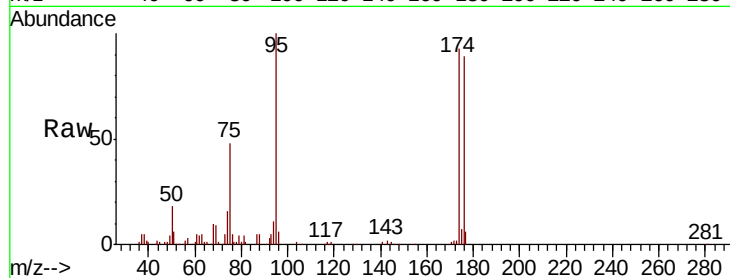




#77
t-1,4-Dichloro-2-butene
Concen: 37.337 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051633.D
Acq: 1 Oct 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tot Ion: 75 Resp: 54223
Ion Ratio Lower Upper
75 100
53 0.8 48.1 144.4#
89 0.0 22.4 67.3#



#91
Naphthalene
Concen: 8.307 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051633.D
Acq: 1 Oct 2018 13:14

Tgt Ion: 128 Resp: 438
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 9.1 13.7#

