

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
 Data File : VN051029.D
 Acq On : 6 Sep 2018 12:32
 Operator : MD\SY
 Sample : VN0906WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBL01

Quant Time: Sep 07 00:53:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	117439	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	581266	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	484314	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	224884	30.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.03%
60) 4-Bromofluorobenzene	12.40	95	153725	21.35	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	71.17%
63) Toluene-d8	10.09	98	685436	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

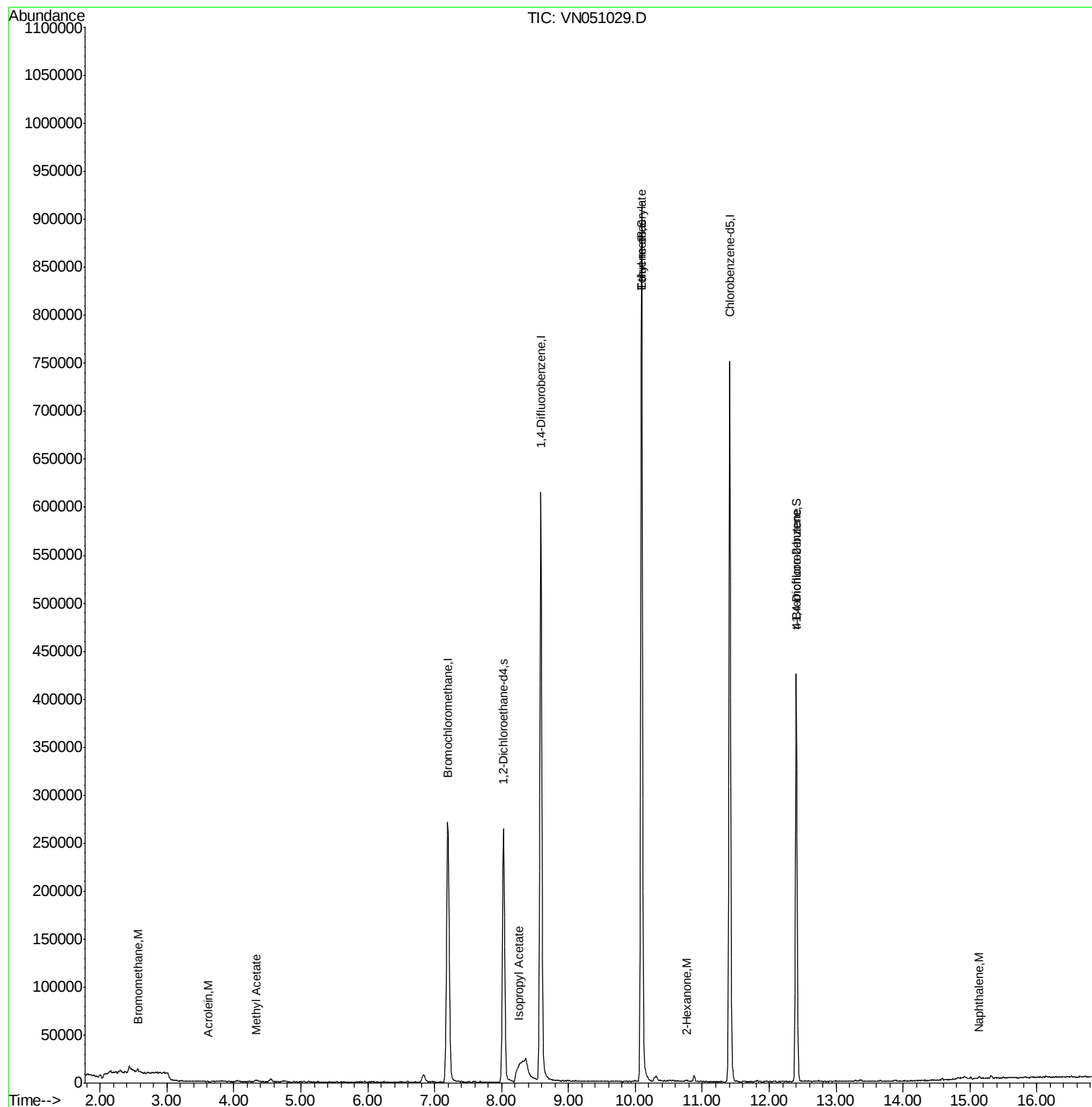
Target Compounds					Ovalue
5) Bromomethane	2.56	94	2055	0.40 ug/l	90
12) Methyl Acetate	4.34	43	2343	0.32 ug/l	96
13) Acrolein	3.62	56	62	0.38 ug/l #	13
44) Isopropyl Acetate	8.25	43	11708	1.21 ug/l #	57
51) Ethyl methacrylate	10.09	69	2546	0.34 ug/l	87
59) 2-Hexanone	10.75	43	735	0.20 ug/l #	66
77) t-1,4-Dichloro-2-butene	12.40	75	71486	39.29 ug/l #	13
91) Naphthalene	15.13	128	2019	8.70 ug/l #	69

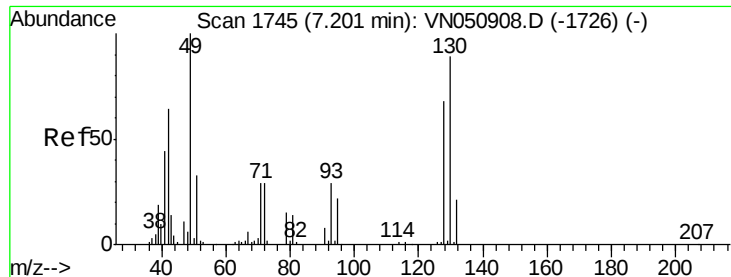
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
VN0906WBL01

Quant Time: Sep 07 00:53:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051029.D

Acq: 6 Sep 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VN0906WBL01

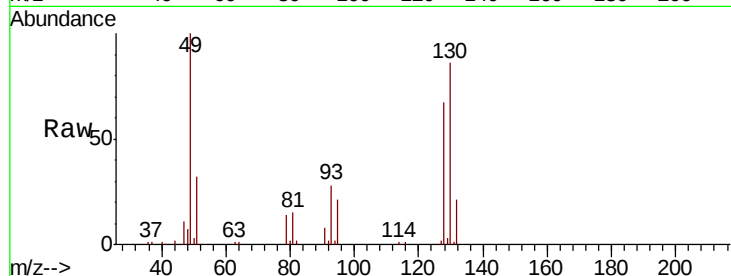
Tot Ion:128 Resp: 117439

Ion Ratio Lower Upper

128 100

49 147.9 0.0 380.3

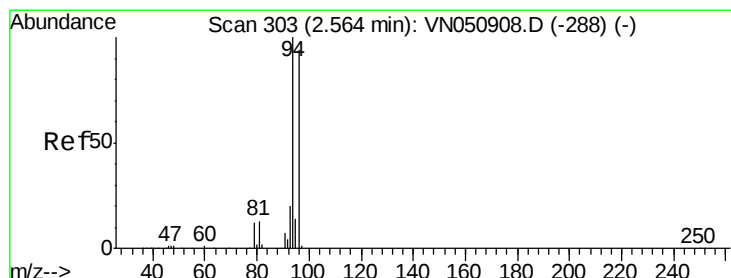
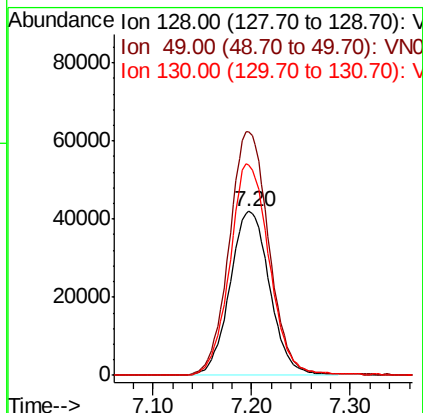
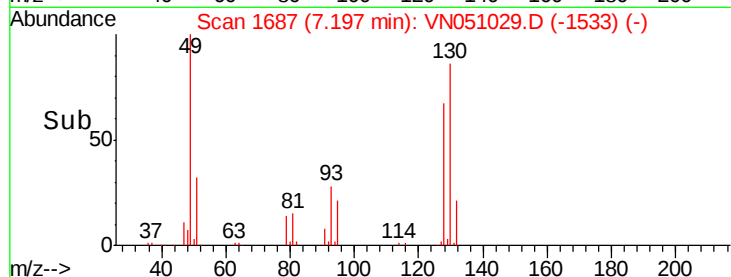
130 128.1 0.0 325.3



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



#5

Bromomethane

Concen: 0.40 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN051029.D

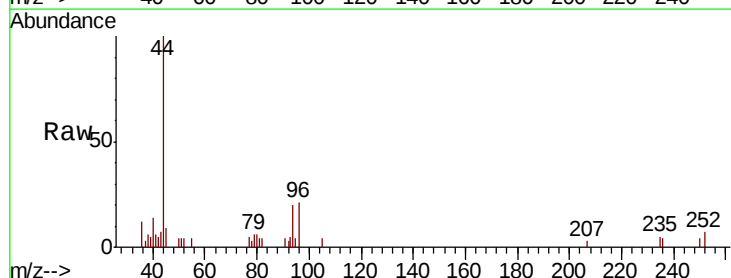
Acq: 6 Sep 2018 12:32

Tgt Ion: 94 Resp: 2055

Ion Ratio Lower Upper

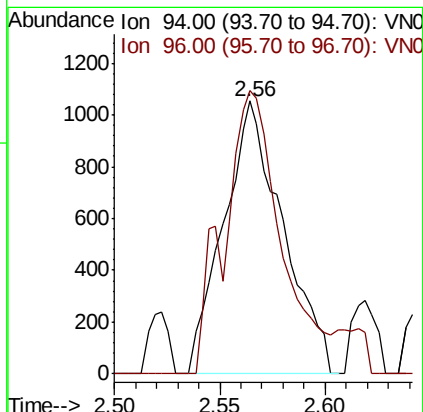
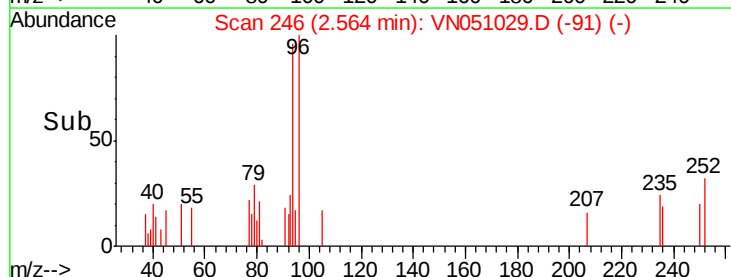
94 100

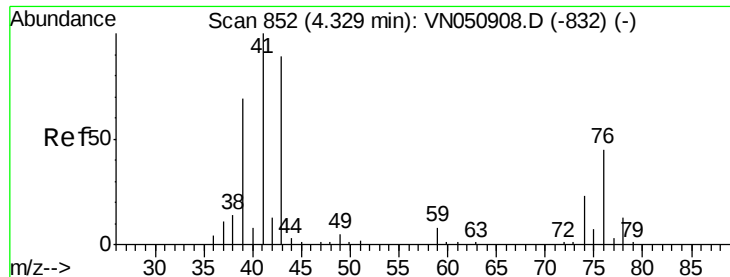
96 103.7 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0





#12

Methvl Acetate

Concen: 0.32 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051029.D

Acq: 6 Sep 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

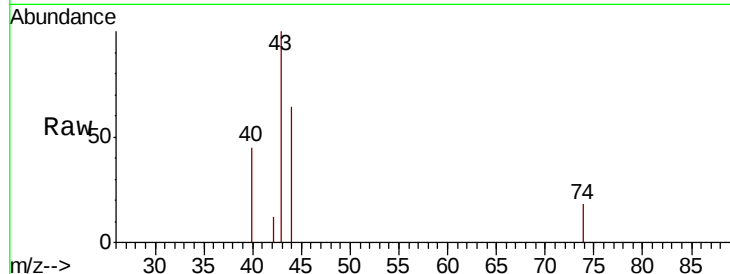
VN0906WBL01

Tot Ion: 43 Resp: 2343

Ion Ratio Lower Upper

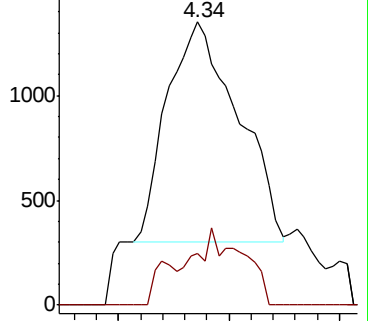
43 100

74 24.0 20.6 31.0

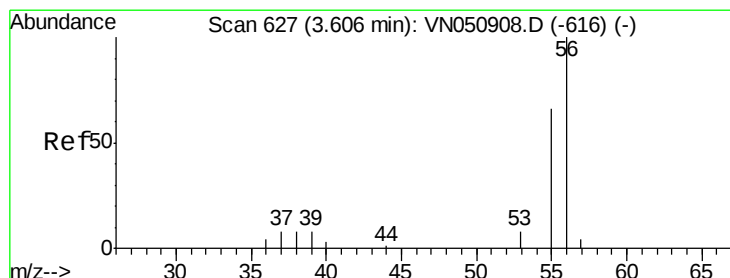
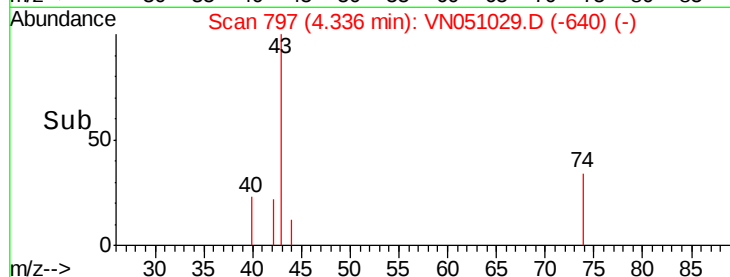


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



Time-->



#13

Acrolein

Concen: 0.38 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN051029.D

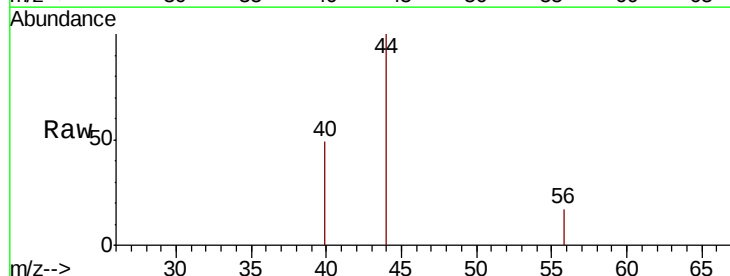
Acq: 6 Sep 2018 12:32

Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

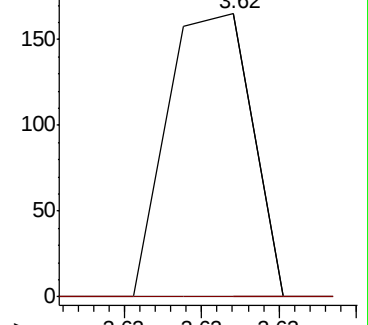
56 100

55 0.0 59.1 88.7#

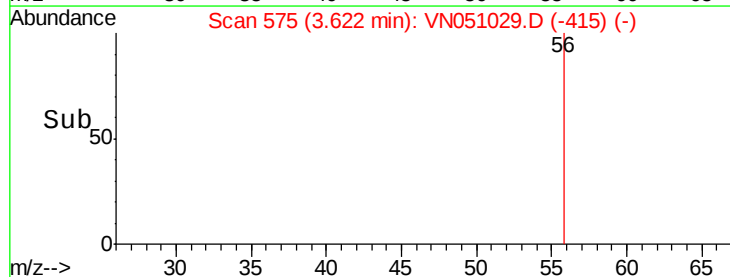


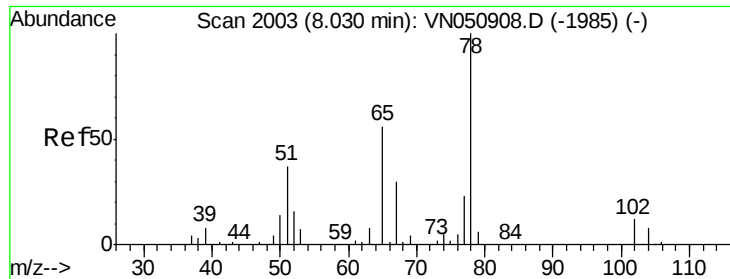
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->





#27

1,2-Dichloroethane-d4

Concen: 30.01 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.00 min

Lab File: VN051029.D

Acq: 6 Sep 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

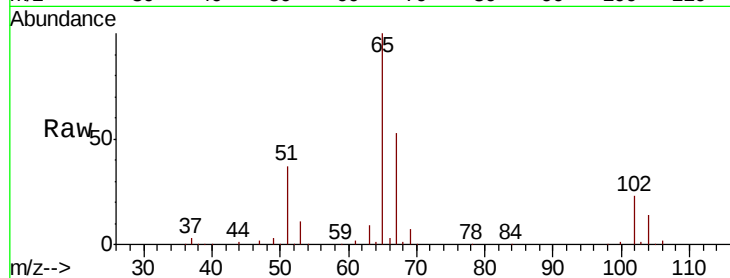
VN0906WBL01

Tot Ion: 65 Resp: 224884

Ion Ratio Lower Upper

65 100

67 54.2 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN051029.D (-1946) (-)

Ion 67.00 (66.70 to 67.70): VN051029.D (-1946) (-)

8.03

100000

80000

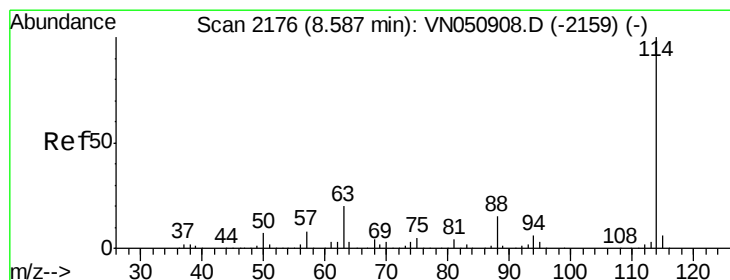
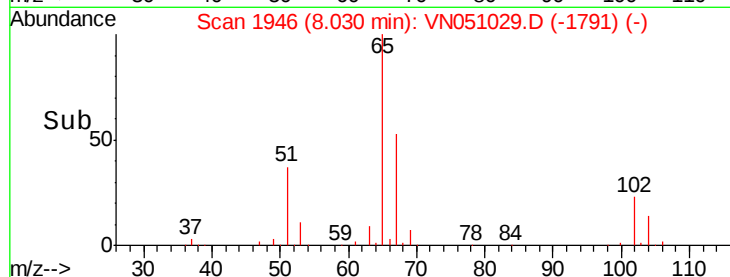
60000

40000

20000

0

Time--> 7.90 8.00 8.10



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051029.D

Acq: 6 Sep 2018 12:32

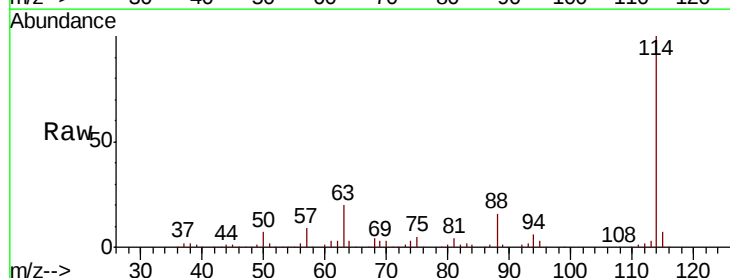
Tgt Ion: 114 Resp: 581266

Ion Ratio Lower Upper

114 100

63 19.4 15.6 23.4

88 15.3 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051029.D (-2119) (-)

Ion 63.00 (62.70 to 63.70): VN051029.D (-2119) (-)

Ion 88.00 (87.70 to 88.70): VN051029.D (-2119) (-)

8.59

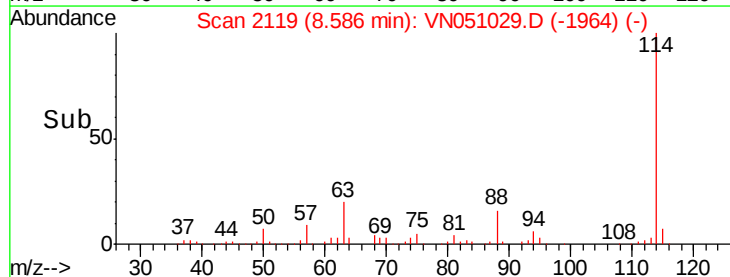
300000

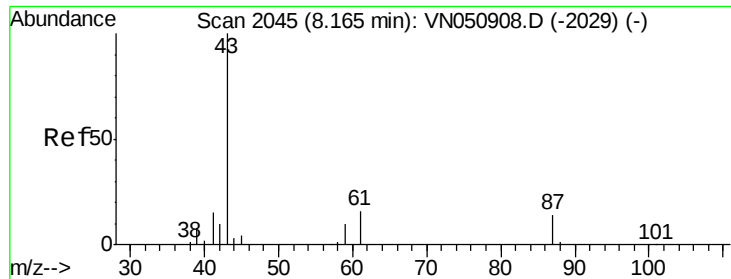
200000

100000

0

Time--> 8.50 8.60 8.70





#44

Isopropyl Acetate

Concen: 1.21 ug/l

RT: 8.25 min Scan# 2014

Delta R.T. 0.08 min

Lab File: VN051029.D

Acq: 6 Sep 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

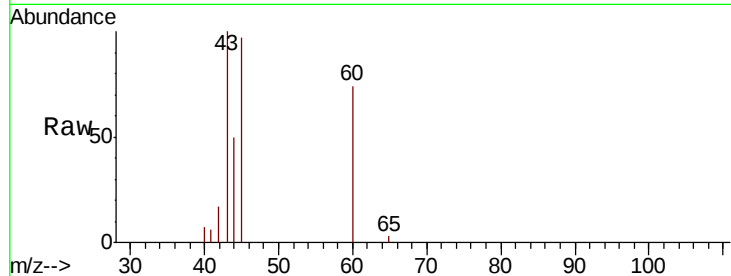
VN0906WBL01

Tot Ion: 43 Resp: 11708

Ion Ratio Lower Upper

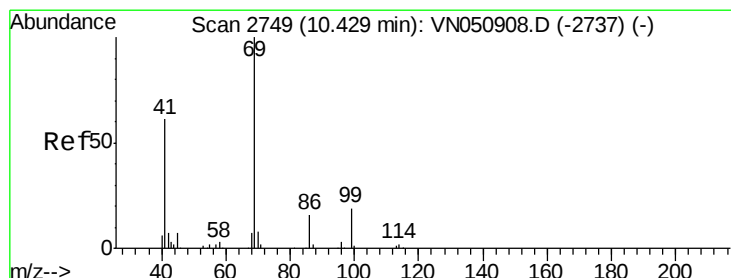
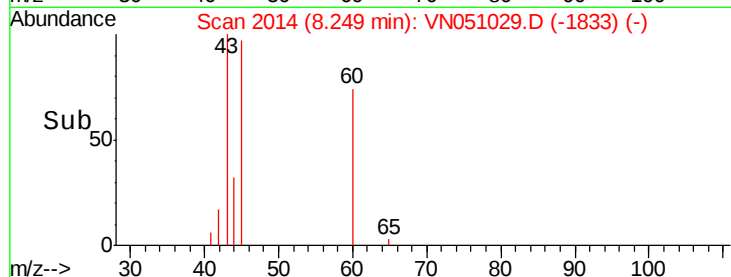
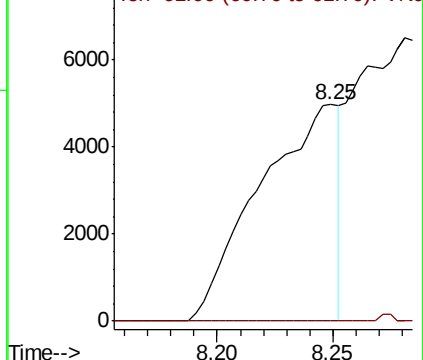
43 100

61 0.5 16.3 24.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#51

Ethyl methacrylate

Concen: 0.34 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.33 min

Lab File: VN051029.D

Acq: 6 Sep 2018 12:32

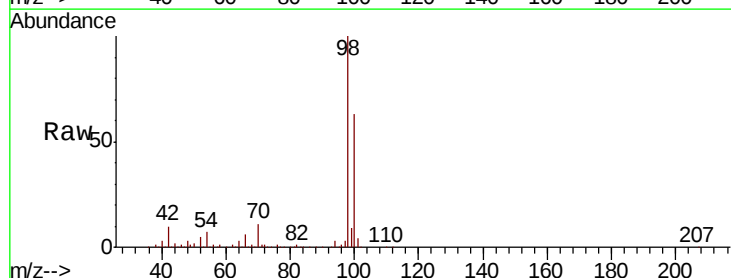
Tgt Ion: 69 Resp: 2546

Ion Ratio Lower Upper

69 100

41 74.9 30.5 91.5

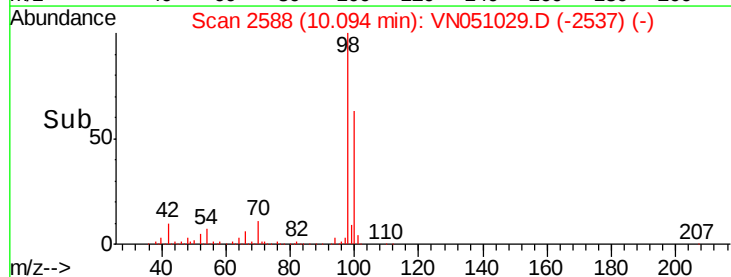
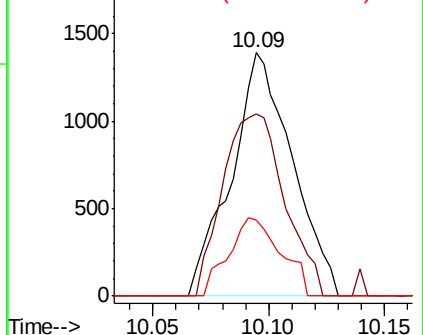
39 31.4 15.3 45.8

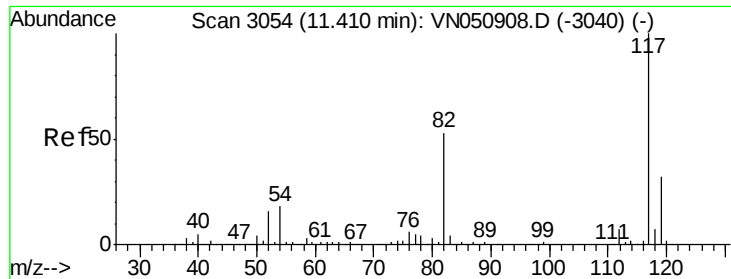


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

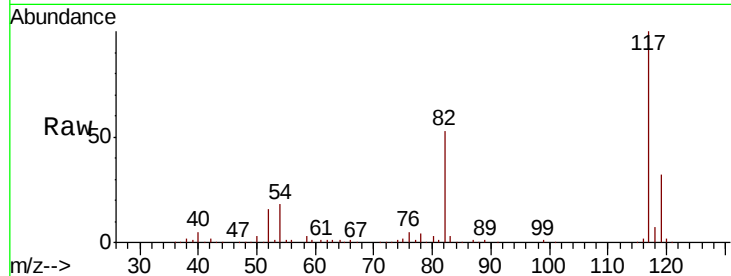




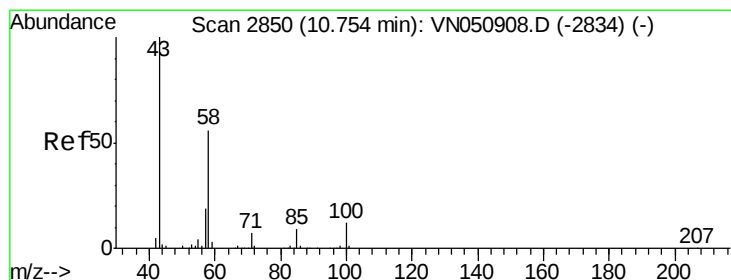
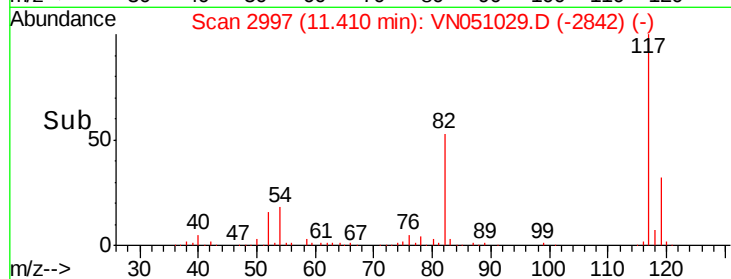
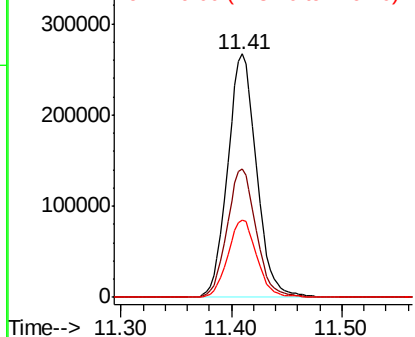
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051029.D
Acq: 6 Sep 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VN0906WBL01

Tot Ion:117 Resp: 484314
Ion Ratio Lower Upper
117 100
82 53.2 42.6 64.0
119 32.1 25.7 38.5

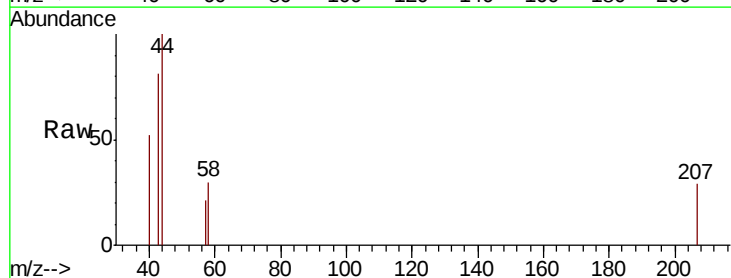


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

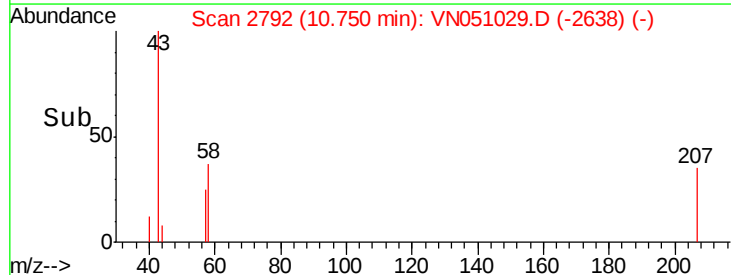
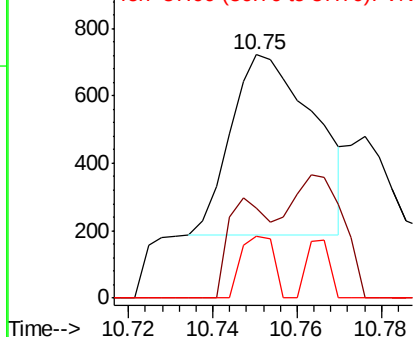


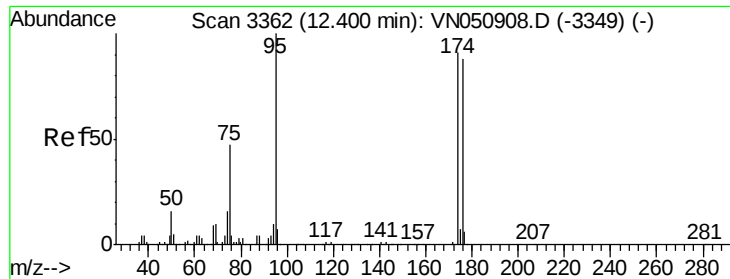
#59
2-Hexanone
Concen: 0.20 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051029.D
Acq: 6 Sep 2018 12:32

Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
58 26.9 45.5 68.3#
57 13.5 15.2 22.8#



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

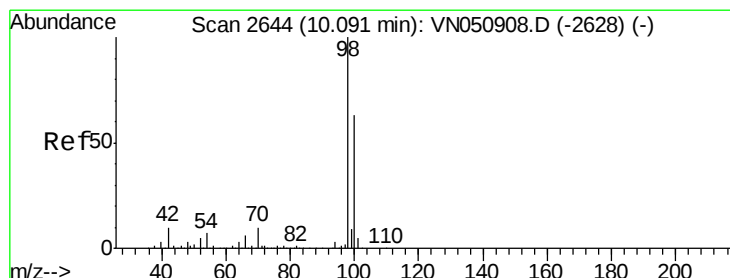
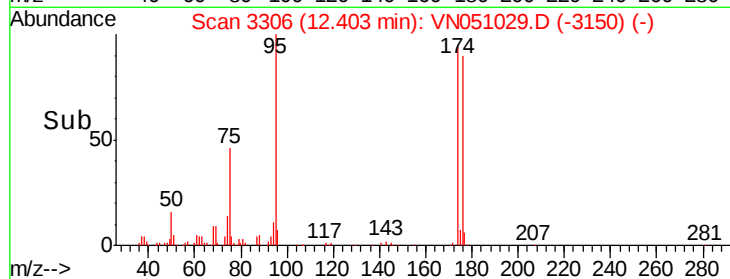
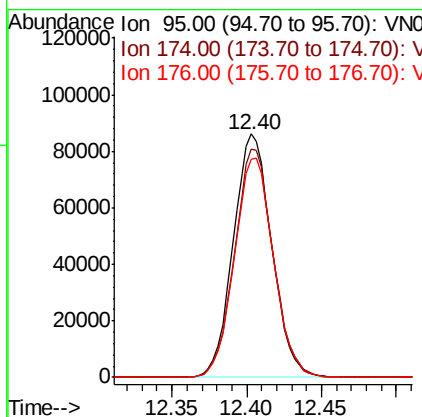
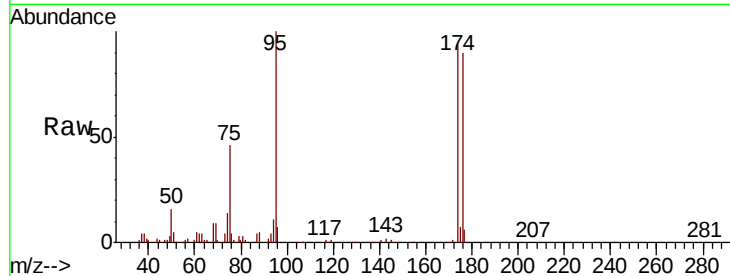




#60
4-Bromofluorobenzene
Concen: 21.35 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051029.D
Acq: 6 Sep 2018 12:32

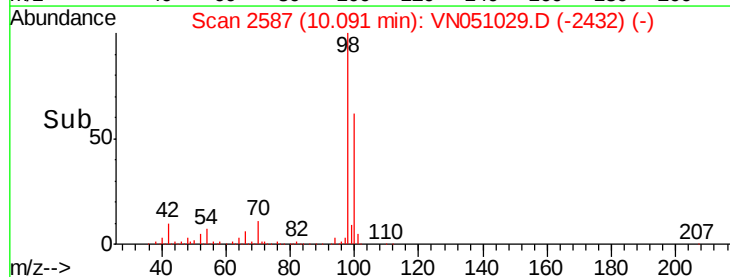
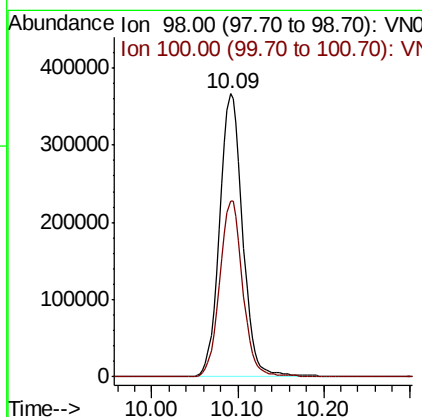
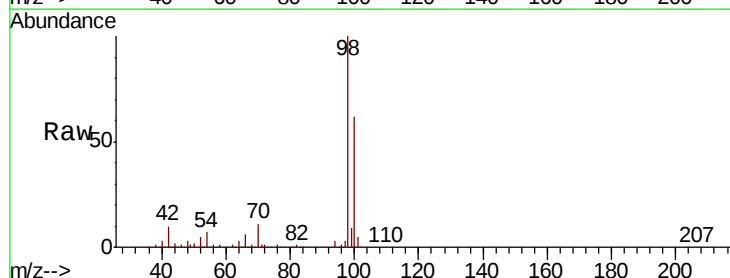
Instrument :
MSVOA_N
ClientSampleId :
VN0906WBL01

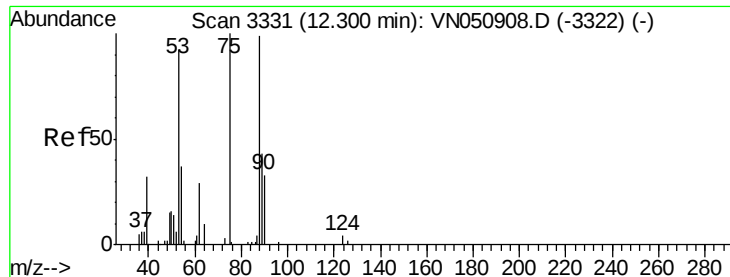
Tot Ion: 95 Resp: 153725
Ion Ratio Lower Upper
95 100
174 94.5 74.6 112.0
176 91.7 71.5 107.3



#63
Toluene-d8
Concen: 30.35 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051029.D
Acq: 6 Sep 2018 12:32

Tgt Ion: 98 Resp: 685436
Ion Ratio Lower Upper
98 100
100 62.1 50.6 75.8

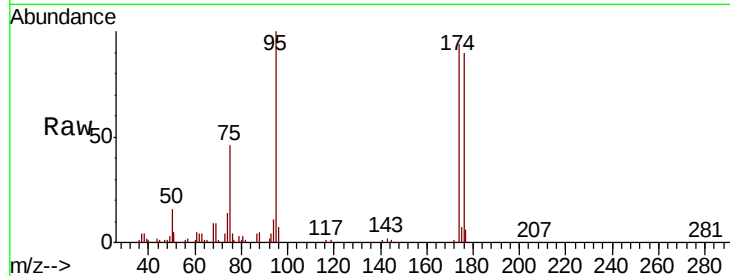




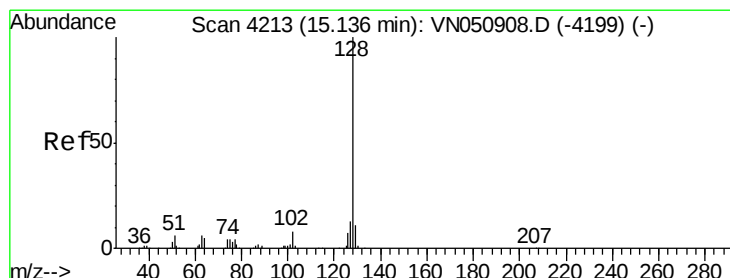
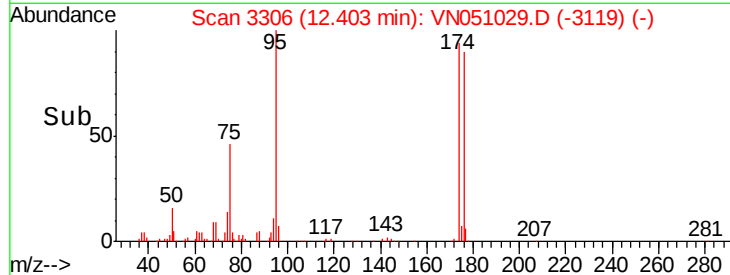
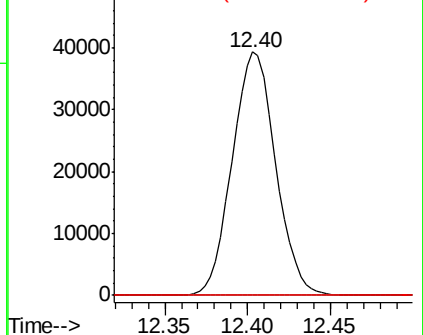
#77
t-1,4-Dichloro-2-butene
Concen: 39.29 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051029.D
Acq: 6 Sep 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VN0906WBL01

Tot Ion: 75 Resp: 71486
Ion Ratio Lower Upper
75 100
53 0.0 45.5 136.4#
89 0.0 21.9 65.8#

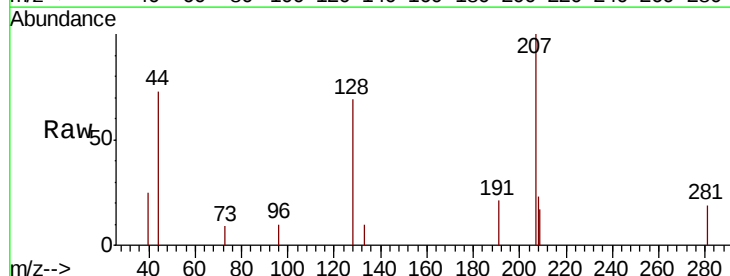


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0



#91
Naphthalene
Concen: 8.70 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051029.D
Acq: 6 Sep 2018 12:32

Tgt Ion: 128 Resp: 2019
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

