

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051042.D
 Acq On : 7 Sep 2018 9:09
 Operator : MD\SY
 Sample : VN0907WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBL01

Quant Time: Sep 07 14:13:24 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	127979	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	627337	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	542281	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	246777	30.22	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery	=	100.73%	
60) 4-Bromofluorobenzene	12.40	95	174033	21.58	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	71.93%	
63) Toluene-d8	10.09	98	757407	29.95	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	99.83%	

Target Compounds

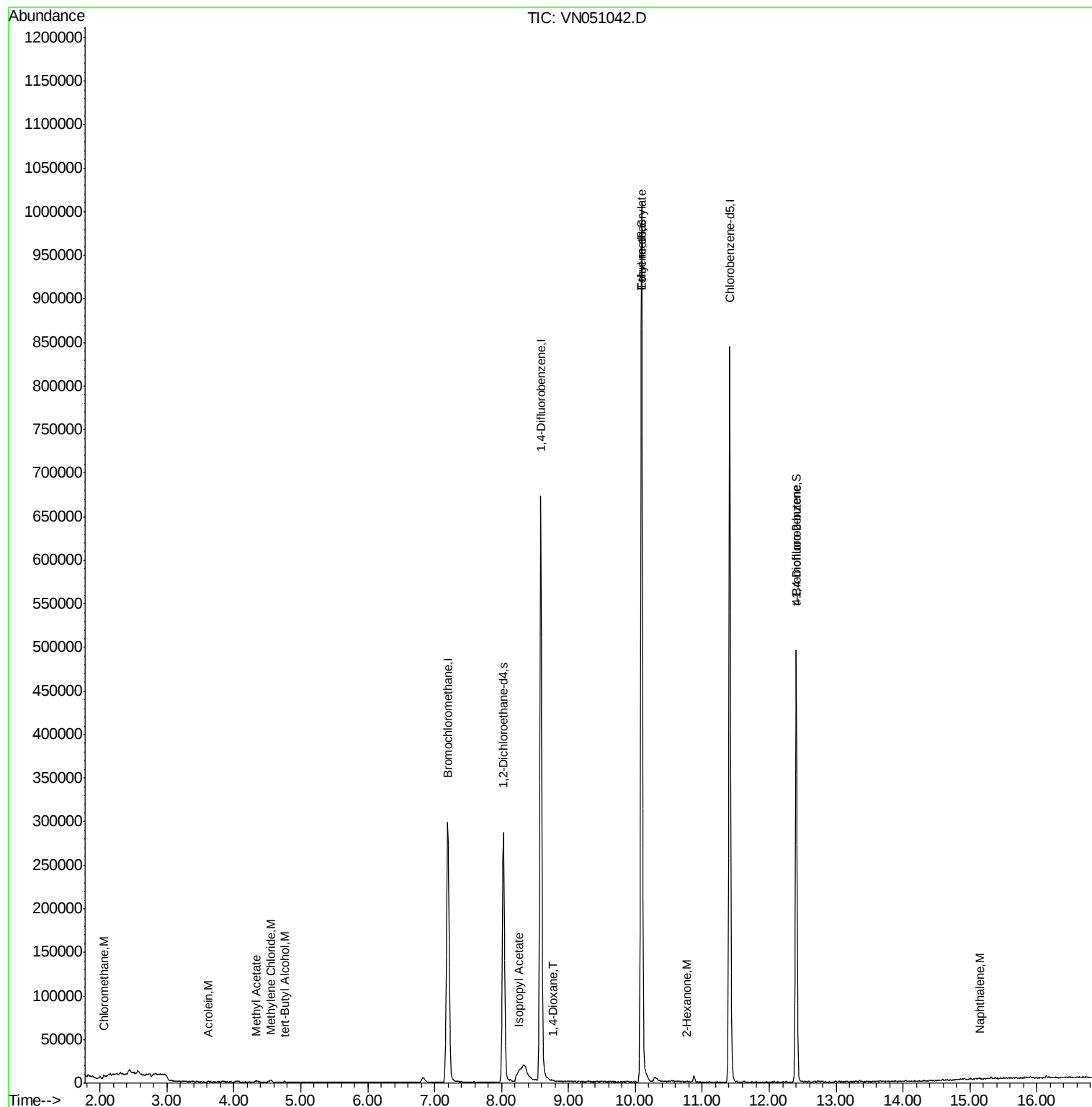
					Ovalue
3) Chloromethane	2.06	50	1913	0.204 ug/l	90
12) Methyl Acetate	4.33	43	1872	0.234 ug/l #	71
13) Acrolein	3.62	56	96	0.542 ug/l #	13
18) Methylene Chloride	4.55	84	1761	0.217 ug/l #	73
23) tert-Butyl Alcohol	4.75	59	115	0.200 ug/l #	100
44) Isopropyl Acetate	8.25	43	7418	0.710 ug/l #	61
45) 1,4-Dioxane	8.78	88	67	0.864 ug/l #	1
51) Ethyl methacrylate	10.10	69	1770	0.218 ug/l	83
59) 2-Hexanone	10.76	43	818	0.202 ug/l #	67
77) t-1,4-Dichloro-2-butene	12.40	75	81130	39.823 ug/l #	13
91) Naphthalene	15.14	128	1204	8.643 ug/l #	69

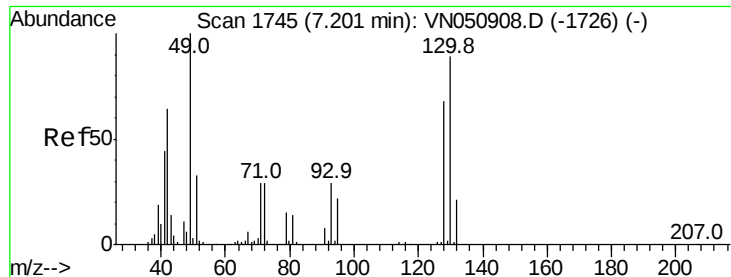
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090718\
Data File : VN051042.D
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBL01

Quant Time: Sep 07 14:13:24 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: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051042.D

Acq: 7 Sep 2018 9:09

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBL01

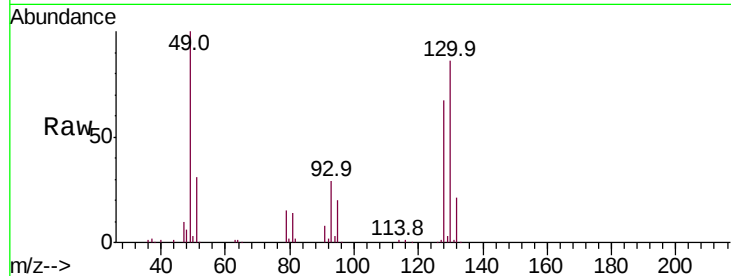
Tot Ion:128 Resp: 127979

Ion Ratio Lower Upper

128 100

49 147.0 0.0 380.3

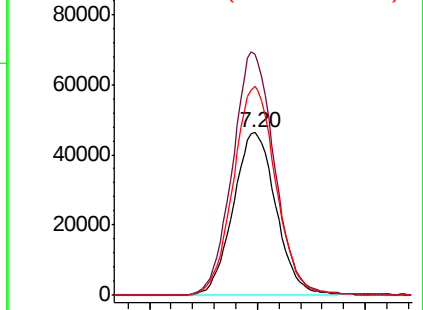
130 128.3 0.0 325.3



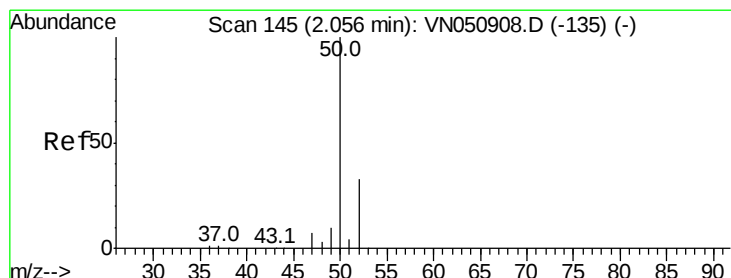
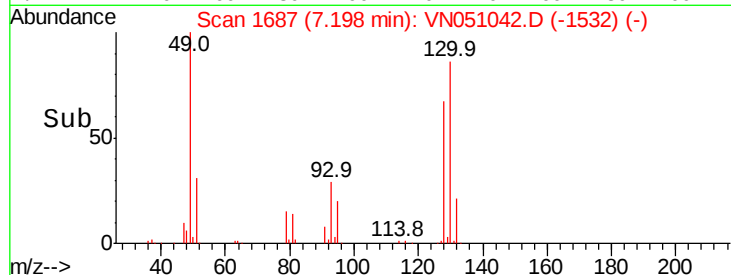
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



Time-->



#3

Chloromethane

Concen: 0.204 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051042.D

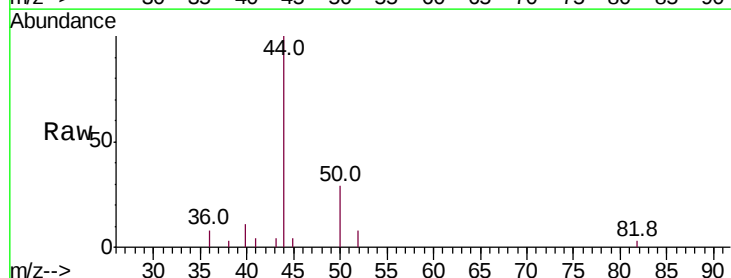
Acq: 7 Sep 2018 9:09

Tgt Ion: 50 Resp: 1913

Ion Ratio Lower Upper

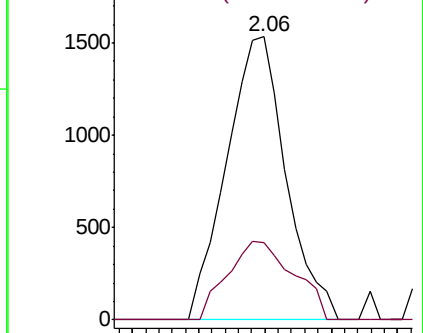
50 100

52 27.1 26.2 39.4

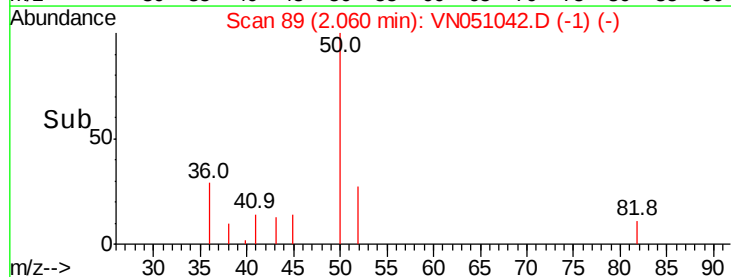


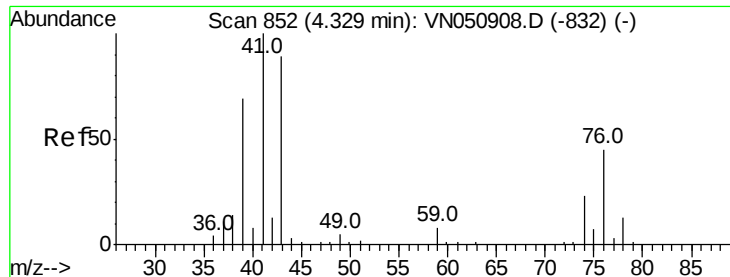
Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



Time-->

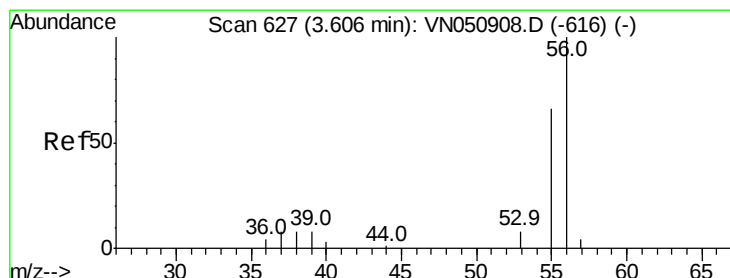
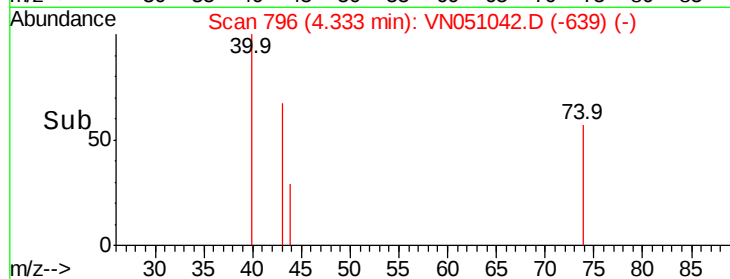
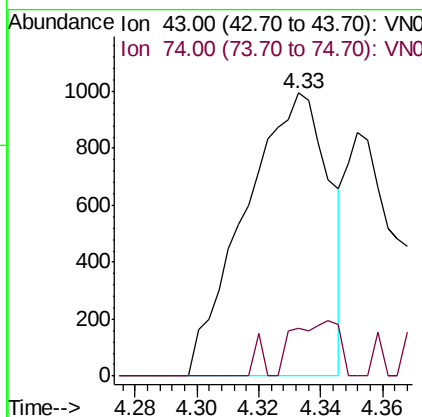
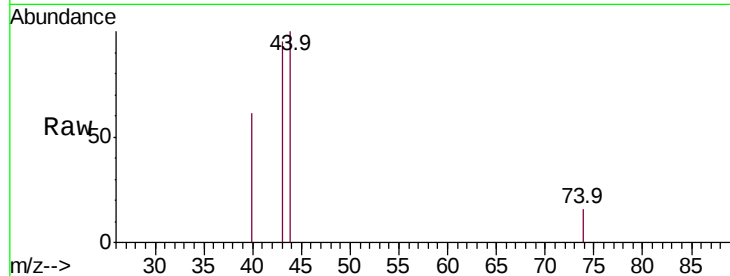




#12
Methvl Acetate
Concen: 0.234 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051042.D
Acq: 7 Sep 2018 9:09

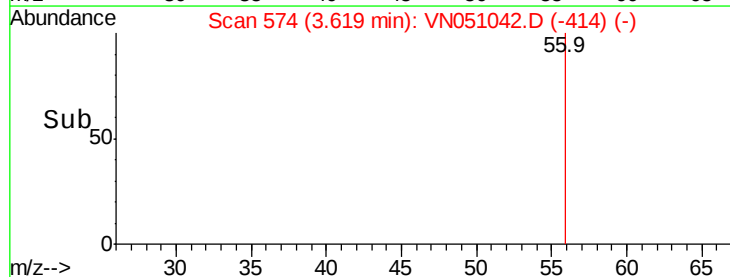
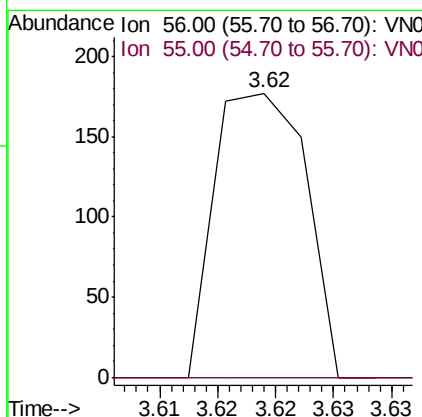
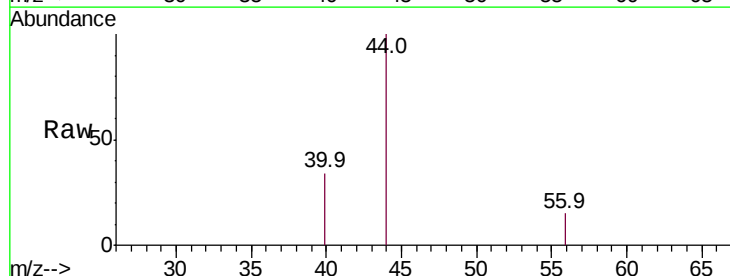
Instrument :
MSVOA_N
ClientSampled :
VN0907WBL01

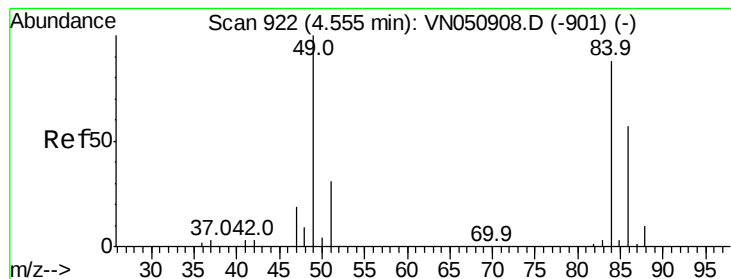
Tot Ion: 43 Resp: 1872
Ion Ratio Lower Upper
43 100
74 11.2 20.6 31.0#



#13
Acrolein
Concen: 0.542 ug/l
RT: 3.62 min Scan# 574
Delta R.T. 0.01 min
Lab File: VN051042.D
Acq: 7 Sep 2018 9:09

Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 0.0 59.1 88.7#





#18

Methvlene Chloride

Concen: 0.217 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051042.D

Acq: 7 Sep 2018 9:09

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBL01

Tot Ion: 84 Resp: 1761

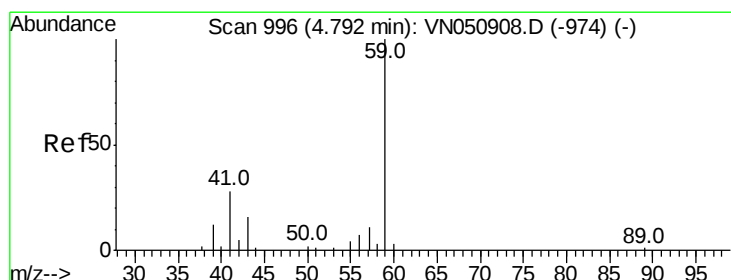
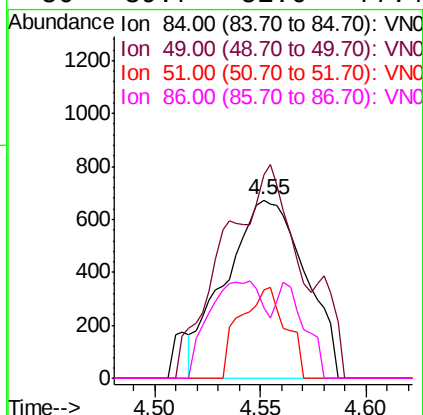
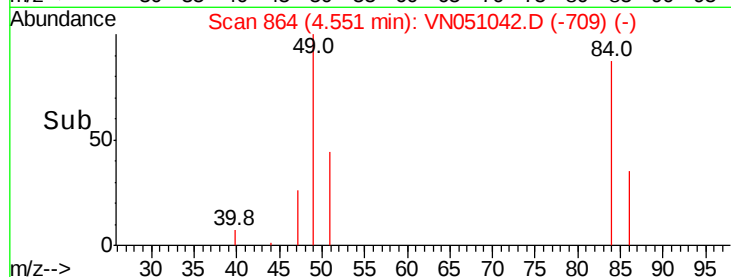
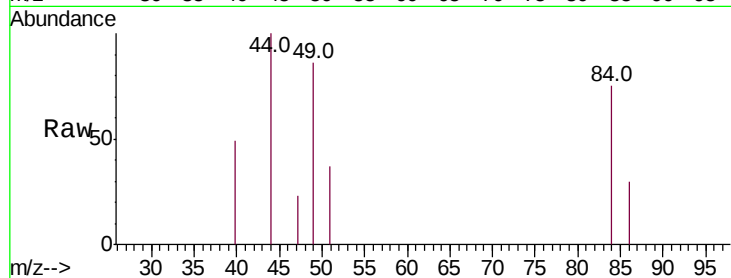
Ion Ratio Lower Upper

84 100

49 86.3 90.6 135.8#

51 49.9 28.4 42.6#

86 39.7 51.6 77.4#



#23

tert-Butyl Alcohol

Concen: 0.200 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.04 min

Lab File: VN051042.D

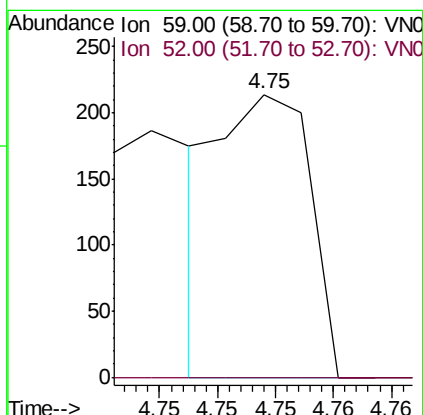
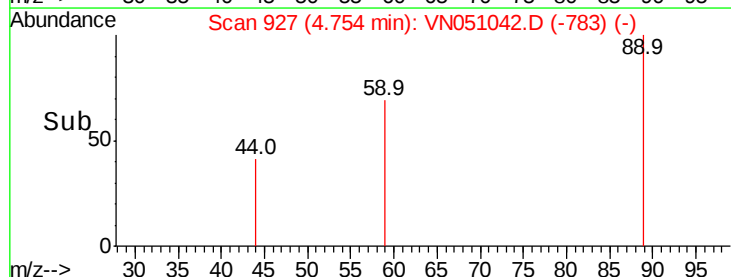
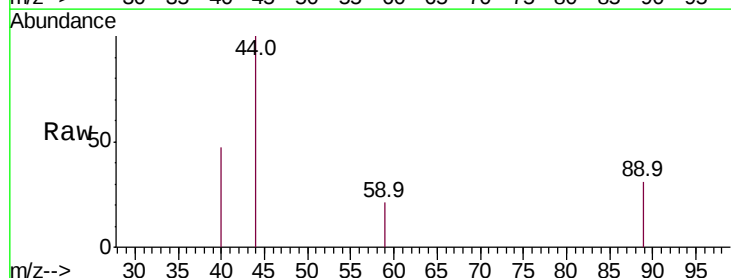
Acq: 7 Sep 2018 9:09

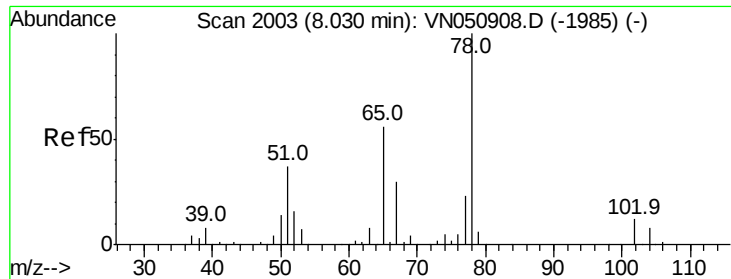
Tgt Ion: 59 Resp: 115

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 30.217 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051042.D

Acq: 7 Sep 2018 9:09

Instrument :

MSVOA_N

ClientSampleId :

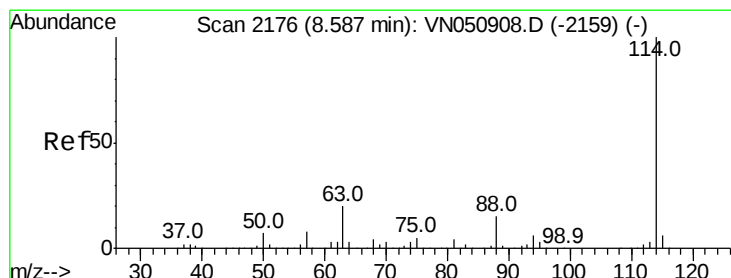
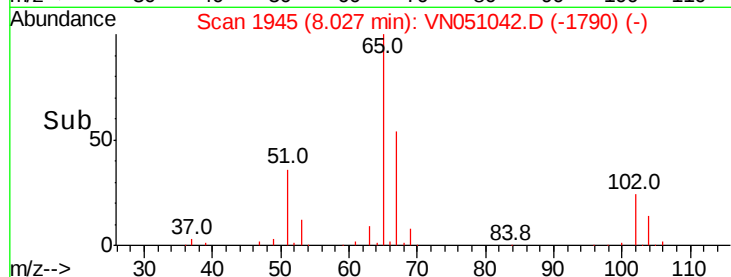
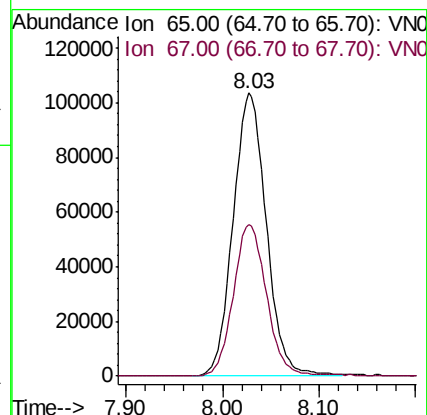
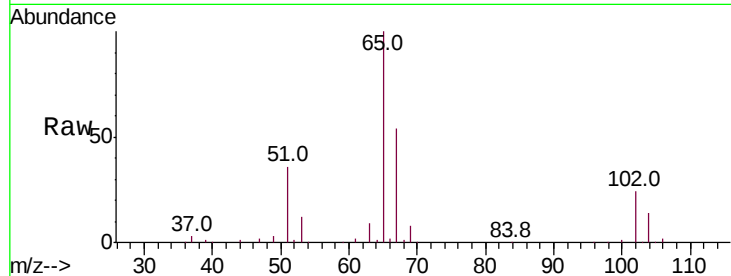
VN0907WBL01

Tot Ion: 65 Resp: 246777

Ion Ratio Lower Upper

65 100

67 53.5 43.7 65.5



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051042.D

Acq: 7 Sep 2018 9:09

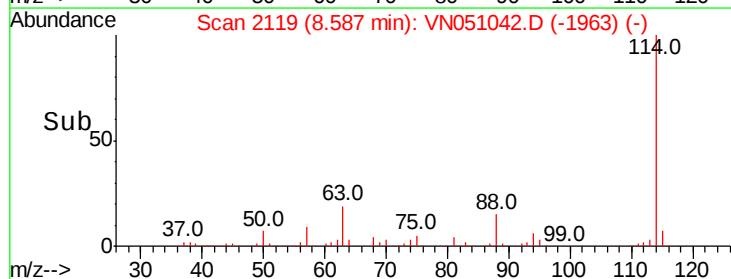
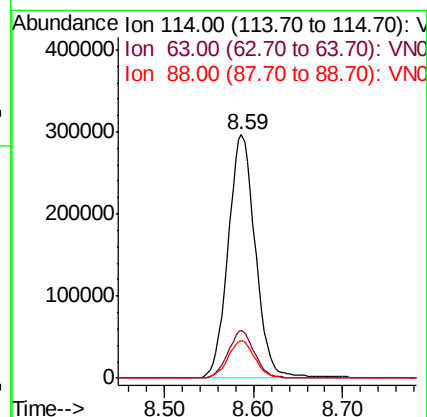
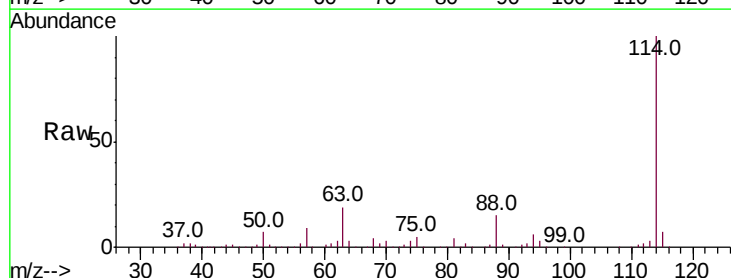
Tgt Ion: 114 Resp: 627337

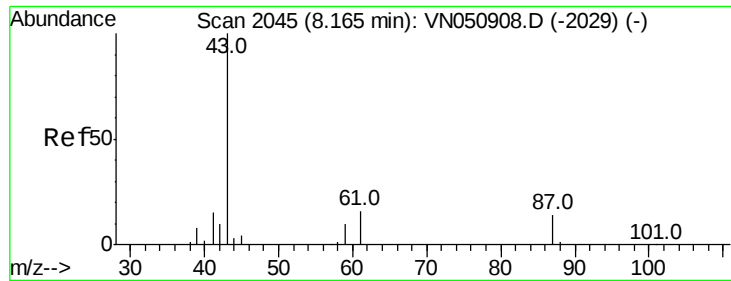
Ion Ratio Lower Upper

114 100

63 19.0 15.6 23.4

88 15.1 12.2 18.4





#44

Isopropyl Acetate

Concen: 0.710 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.08 min

Lab File: VN051042.D

Acq: 7 Sep 2018 9:09

Instrument :

MSVOA_N

ClientSampled :

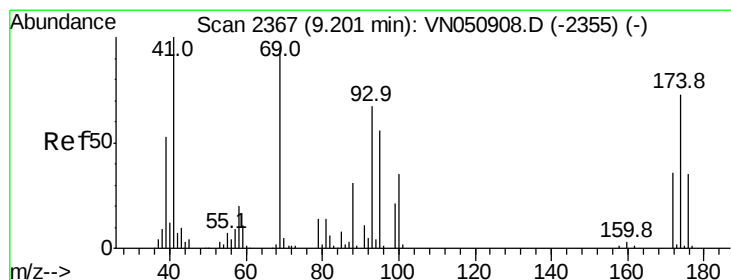
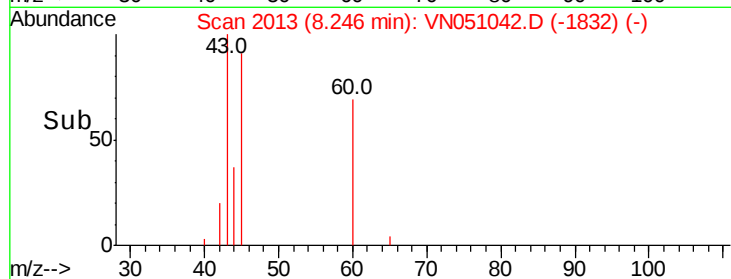
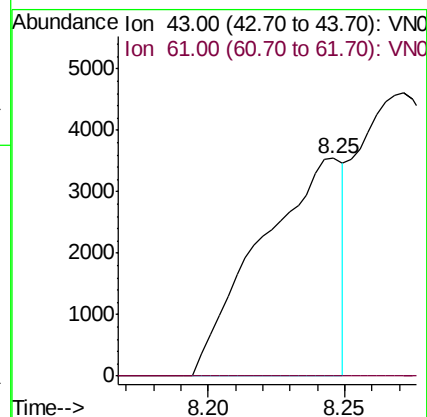
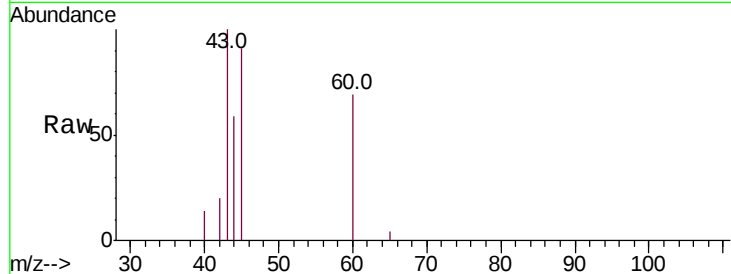
VN0907WBL01

Tot Ion: 43 Resp: 7418

Ion Ratio Lower Upper

43 100

61 2.2 16.3 24.5#



#45

1,4-Dioxane

Concen: 0.864 ug/l

RT: 8.78 min Scan# 2178

Delta R.T. -0.42 min

Lab File: VN051042.D

Acq: 7 Sep 2018 9:09

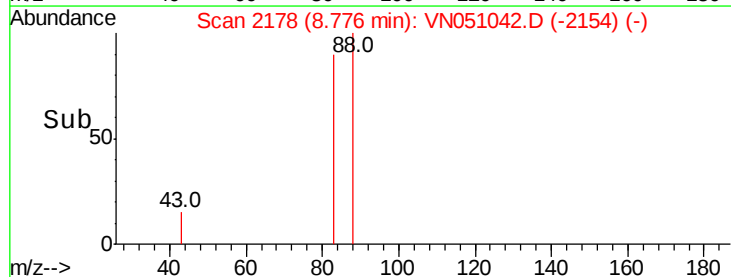
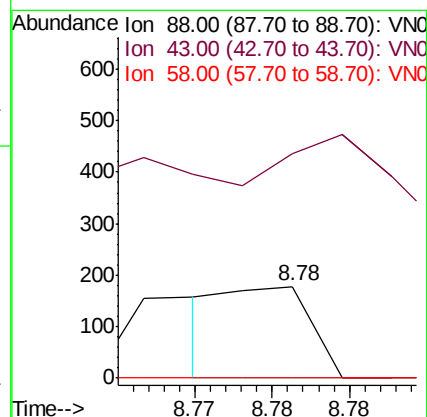
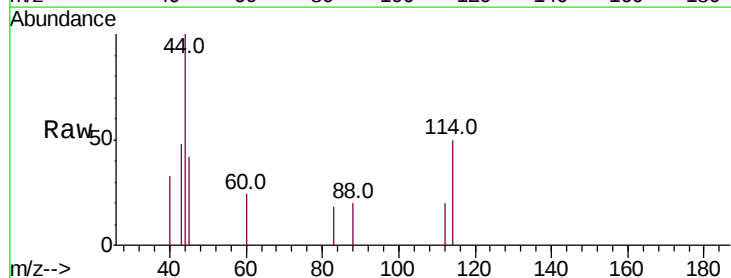
Tgt Ion: 88 Resp: 67

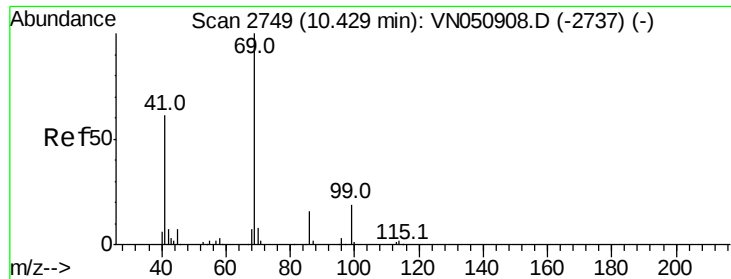
Ion Ratio Lower Upper

88 100

43 144.8 23.5 35.3#

58 0.0 55.2 82.8#





#51

Ethyl methacrylate

Concen: 0.218 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.33 min

Lab File: VN051042.D

Acq: 7 Sep 2018 9:09

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBL01

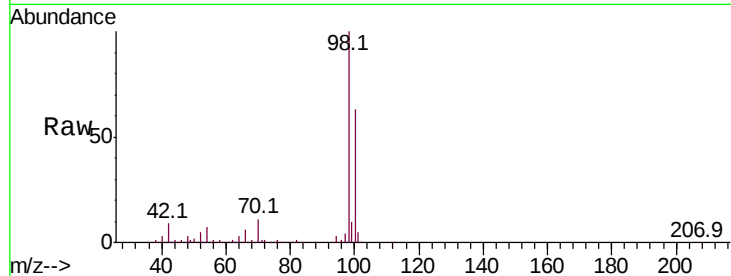
Tot Ion: 69 Resp: 1770

Ion Ratio Lower Upper

69 100

41 50.5 30.5 91.5

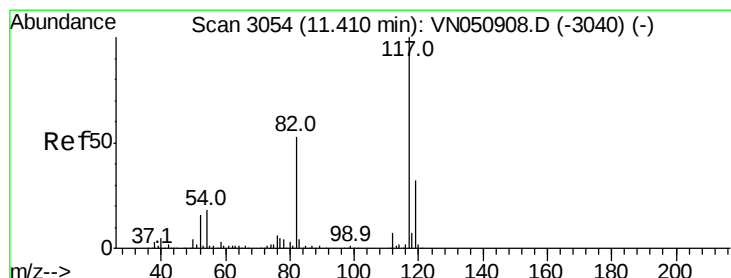
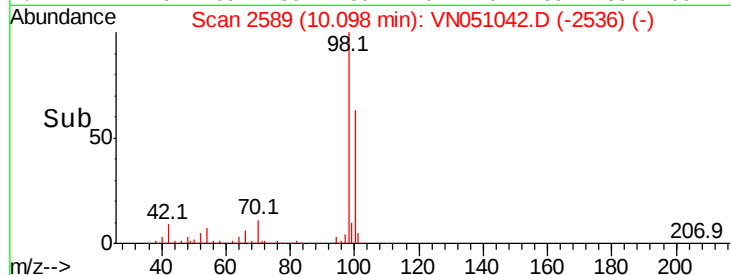
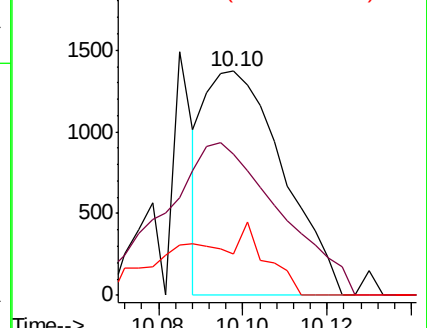
39 18.3 15.3 45.8



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: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051042.D

Acq: 7 Sep 2018 9:09

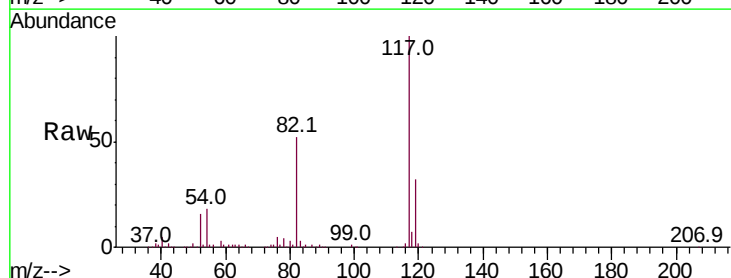
Tgt Ion: 117 Resp: 542281

Ion Ratio Lower Upper

117 100

82 52.6 42.6 64.0

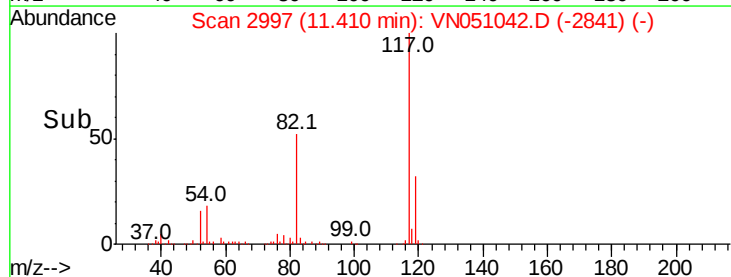
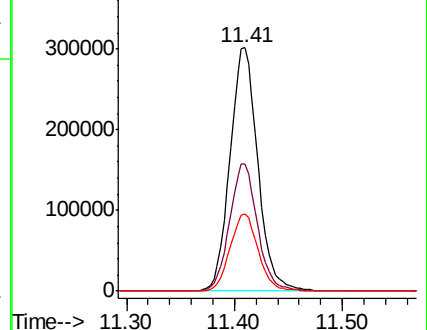
119 32.1 25.7 38.5

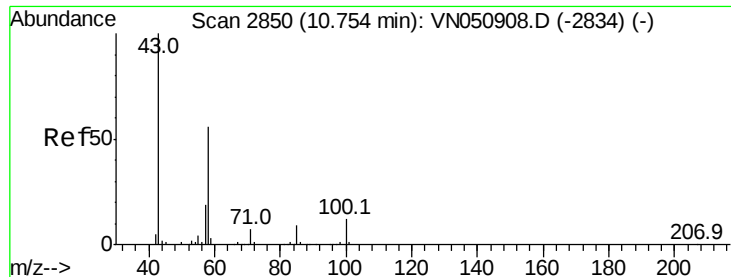


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 119.00 (118.70 to 119.70): V

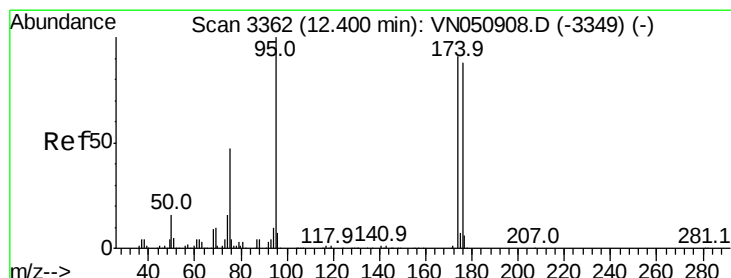
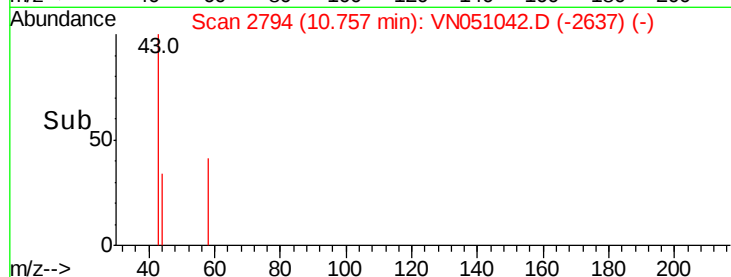
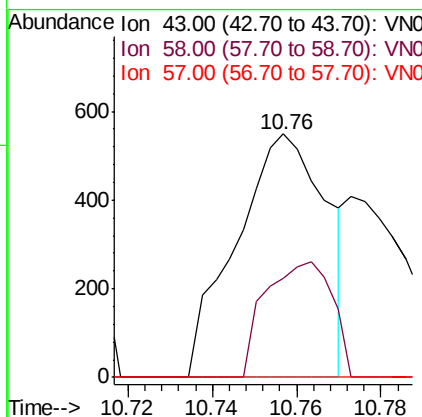
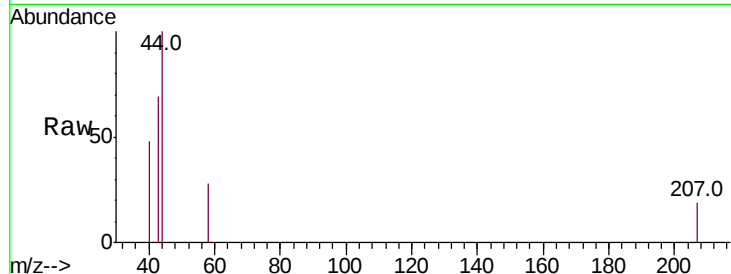




#59
2-Hexanone
Concen: 0.202 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN051042.D
Acq: 7 Sep 2018 9:09

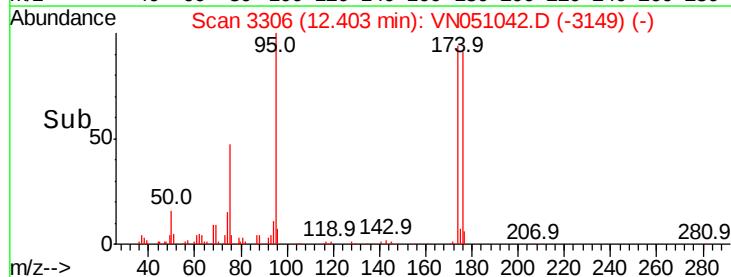
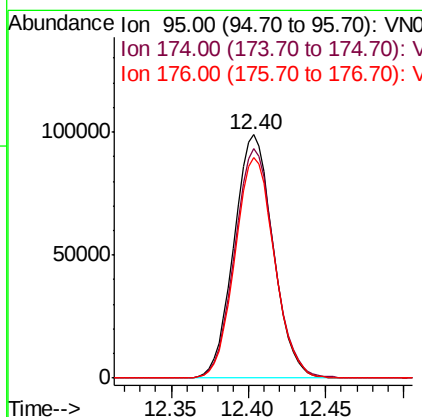
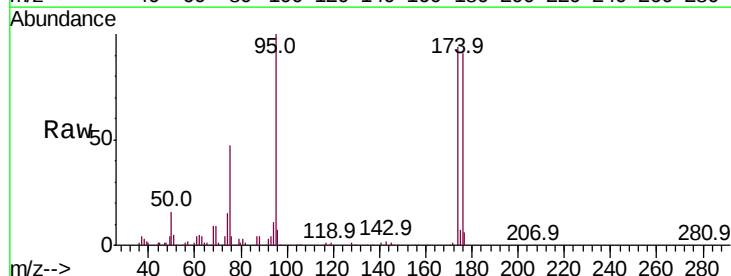
Instrument :
MSVOA_N
ClientSampleId :
VN0907WBL01

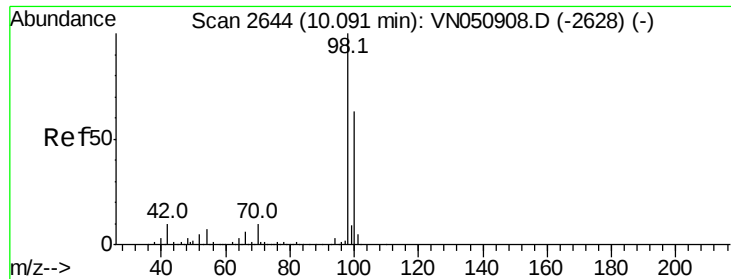
Tot Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
58 35.2 45.5 68.3#
57 0.0 15.2 22.8#



#60
4-Bromofluorobenzene
Concen: 21.582 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051042.D
Acq: 7 Sep 2018 9:09

Tgt Ion: 95 Resp: 174033
Ion Ratio Lower Upper
95 100
174 95.3 74.6 112.0
176 91.2 71.5 107.3





#63

Toluene-d8

Concen: 29.951 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051042.D

Acq: 7 Sep 2018 9:09

Instrument :

MSVOA_N

ClientSampleId :

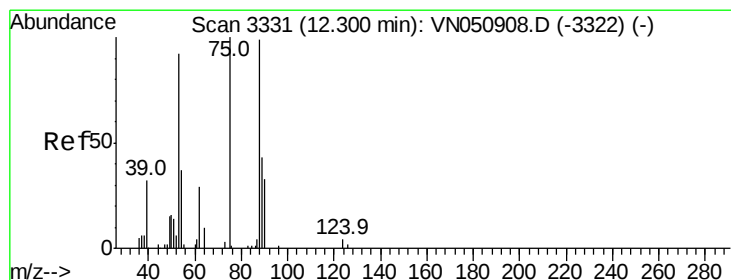
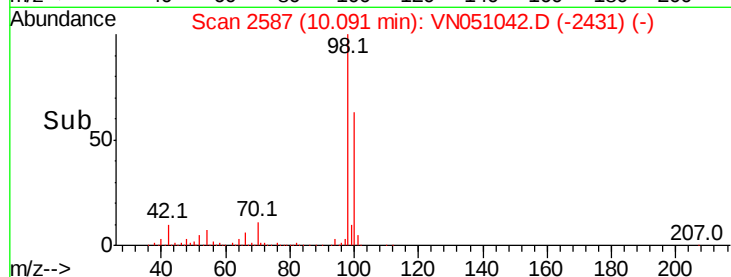
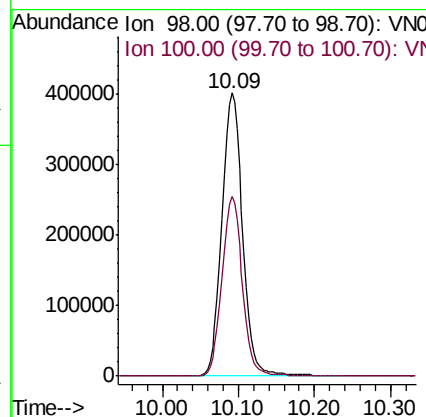
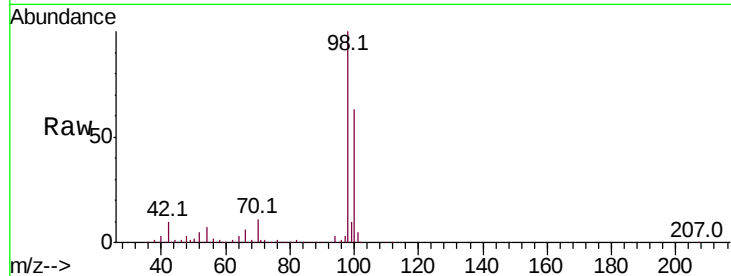
VN0907WBL01

Tot Ion: 98 Resp: 757407

Ion Ratio Lower Upper

98 100

100 62.5 50.6 75.8



#77

t-1,4-Dichloro-2-butene

Concen: 39.823 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051042.D

Acq: 7 Sep 2018 9:09

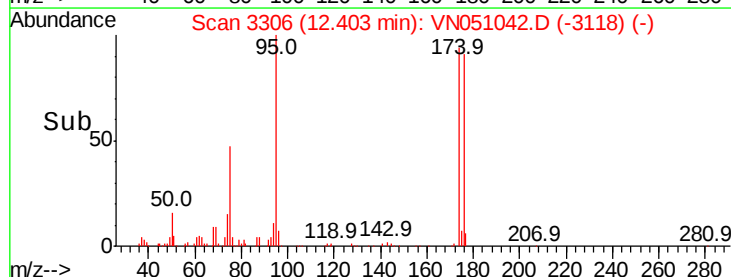
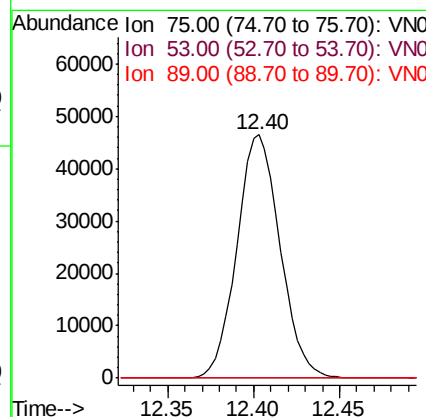
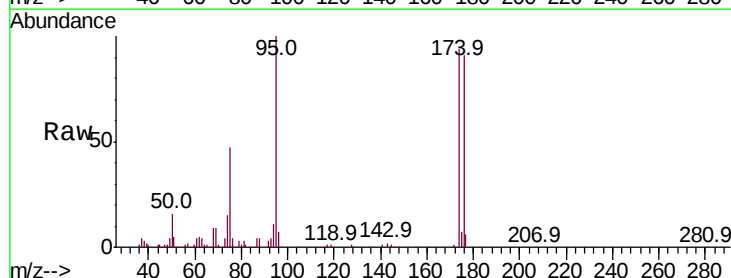
Tgt Ion: 75 Resp: 81130

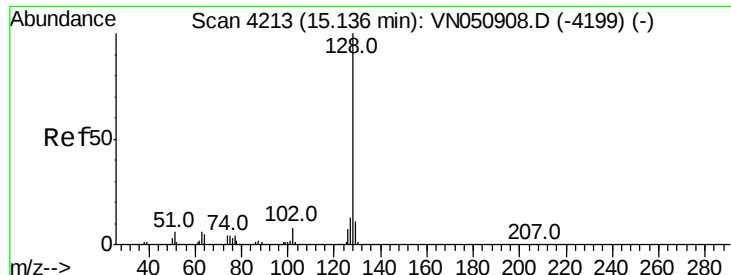
Ion Ratio Lower Upper

75 100

53 0.0 45.5 136.4#

89 0.0 21.9 65.8#





#91

Naphthalene

Concen: 8.643 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051042.D

Acq: 7 Sep 2018 9:09

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBL01

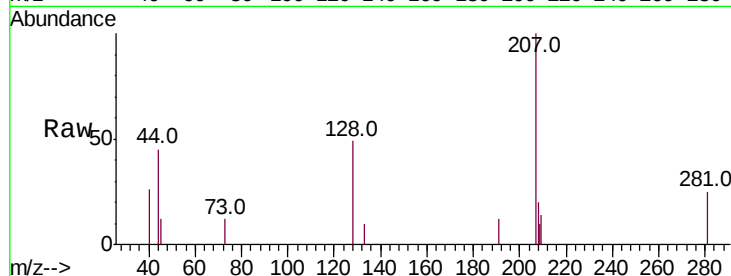
Tot Ion:128 Resp: 1204

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

