

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051186.D
 Acq On : 14 Sep 2018 13:33
 Operator : MD\SY
 Sample : J4907-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-140(4)

Quant Time: Sep 14 23:39:30 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	102242	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	489785	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	397954	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	190135	29.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.13%
60) 4-Bromofluorobenzene	12.40	95	118088	19.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	66.53%
63) Toluene-d8	10.09	98	569127	30.67	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.23%

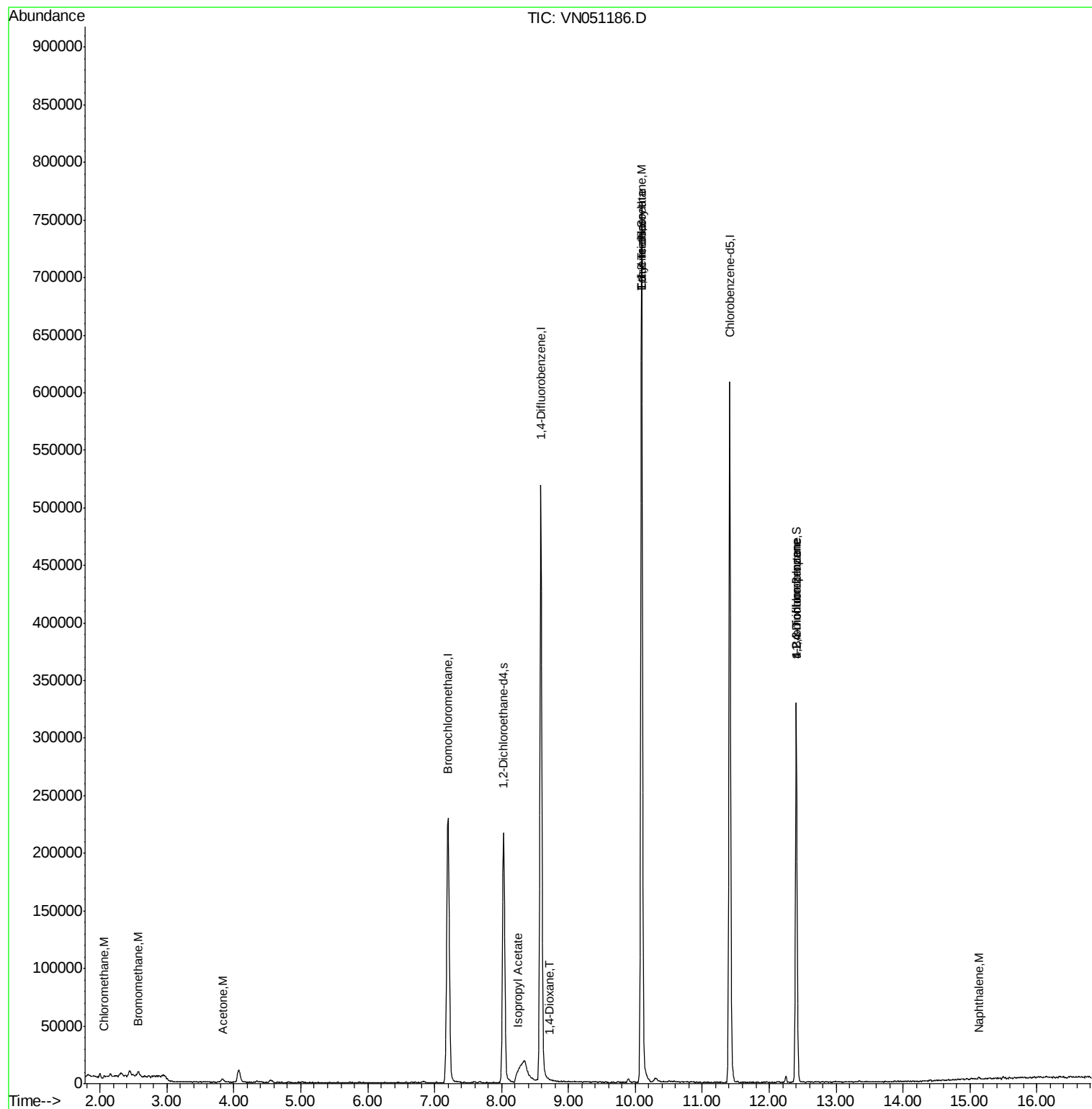
Target Compounds						Ovalue
3) Chloromethane	2.06	50	1914	0.26	ug/l	# 77
5) Bromomethane	2.57	94	2039	0.45	ug/l	98
15) Acetone	3.83	58	1038	1.88	ug/l	# 68
44) Isopropyl Acetate	8.23	43	3974	0.49	ug/l	# 1
45) 1,4-Dioxane	8.72	88	66	1.09	ug/l	# 1
50) 1,1,2-Trichloroethane	10.10	97	18026	3.48	ug/l	# 1
51) Ethyl methacrylate	10.09	69	1834	0.29	ug/l	89
72) 1,2,3-Trichloropropane	12.40	75	54195	10.33	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	54195	36.25	ug/l	# 13
91) Naphthalene	15.13	128	2109	8.73	ug/l	# 74

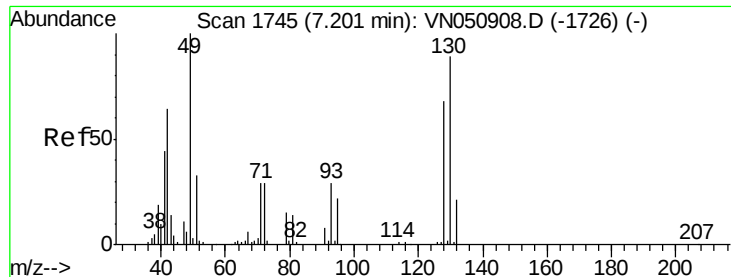
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091418\
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Instrument :
MSVOA_N
ClientSampled :
CBH-140(4)

Quant Time: Sep 14 23:39:30 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# 1688

Delta R.T. 0.00 min

Lab File: VN051186.D

Acq: 14 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampled :

CBH-140(4)

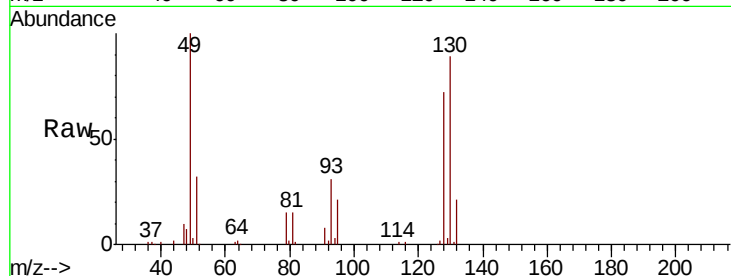
Tot Ion:128 Resp: 102242

Ion Ratio Lower Upper

128 100

49 140.2 0.0 380.3

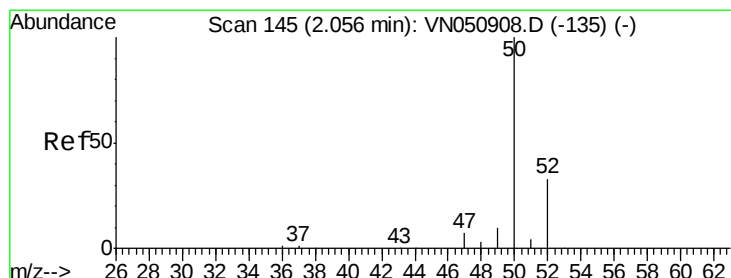
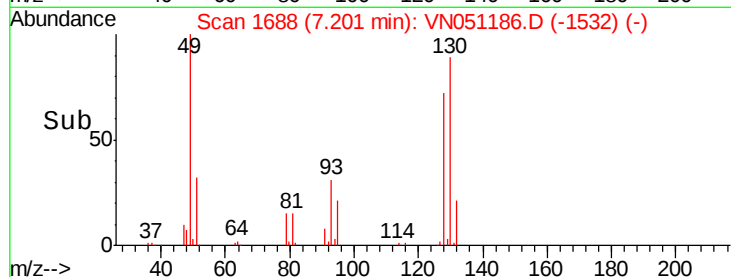
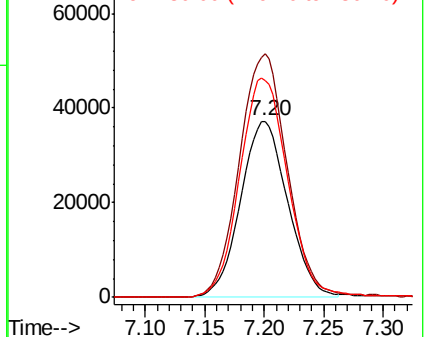
130 127.1 0.0 325.3



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



#3

Chloromethane

Concen: 0.26 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051186.D

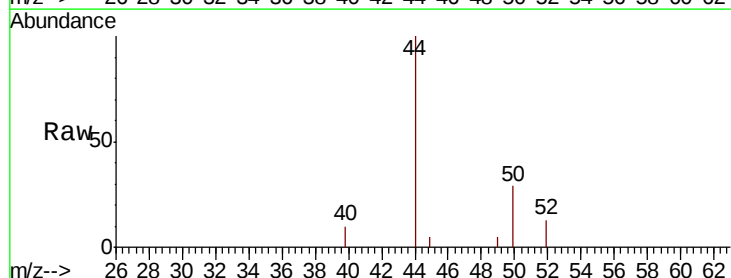
Acq: 14 Sep 2018 13:33

Tgt Ion: 50 Resp: 1914

Ion Ratio Lower Upper

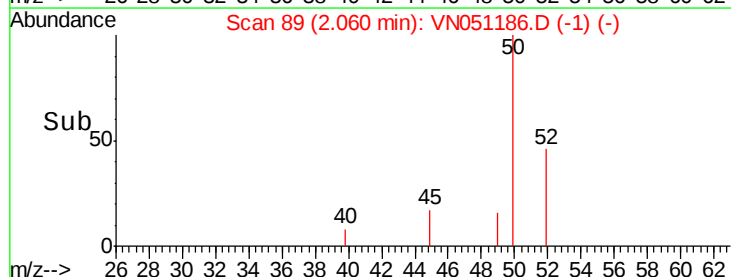
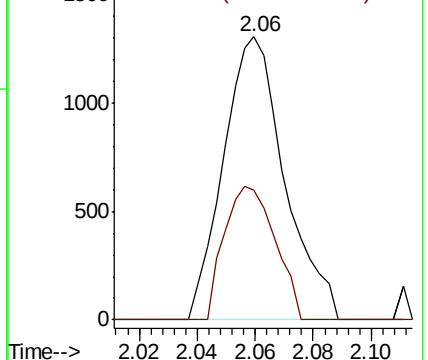
50 100

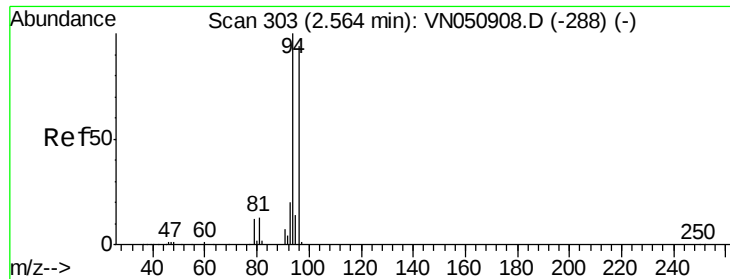
52 45.9 26.2 39.4#



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#5

Bromomethane

Concen: 0.45 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051186.D

Acq: 14 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampled :

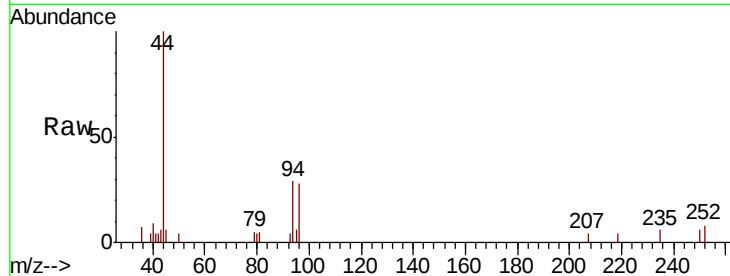
CBH-140(4)

Tot Ion: 94 Resp: 2039

Ion Ratio Lower Upper

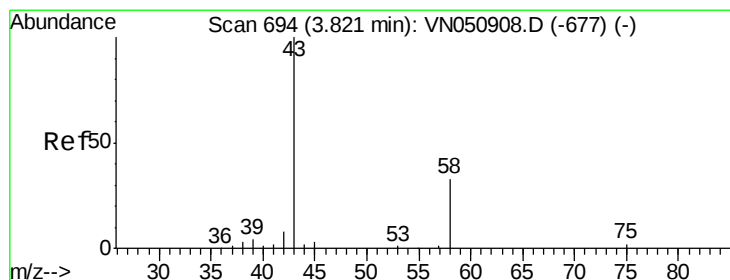
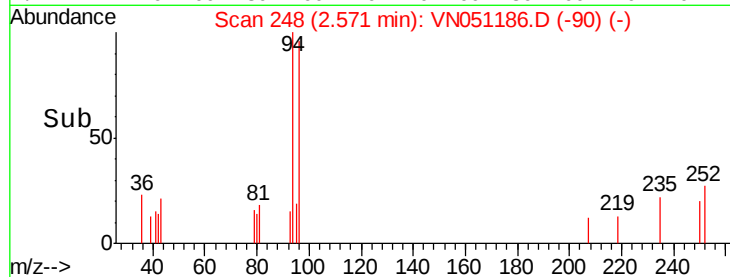
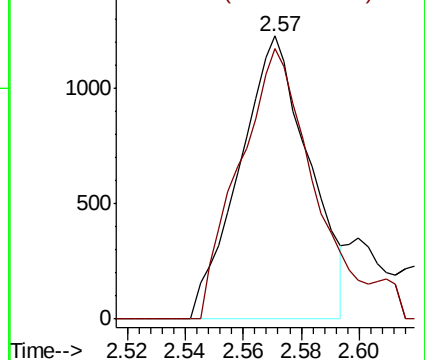
94 100

96 95.7 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#15

Acetone

Concen: 1.88 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051186.D

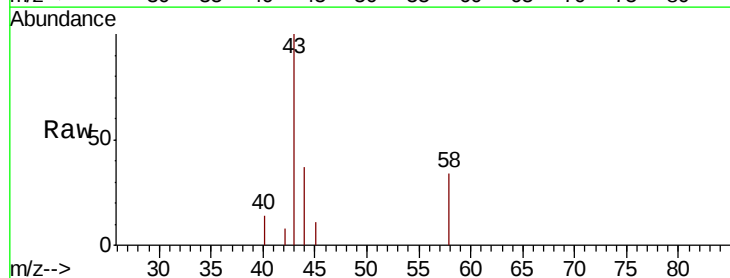
Acq: 14 Sep 2018 13:33

Tgt Ion: 58 Resp: 1038

Ion Ratio Lower Upper

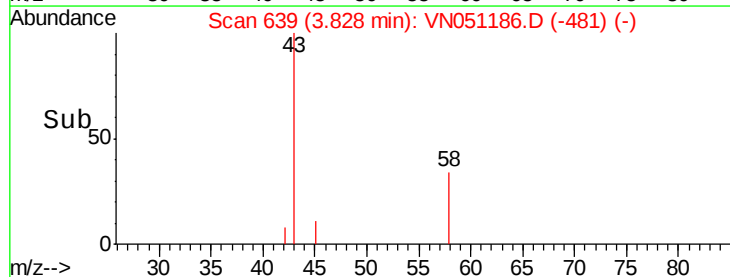
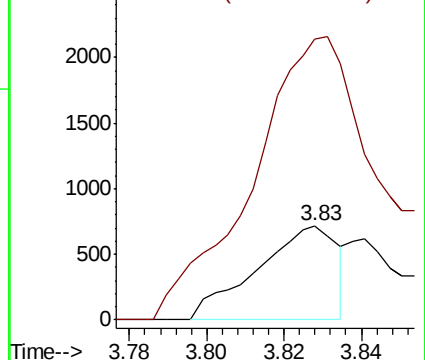
58 100

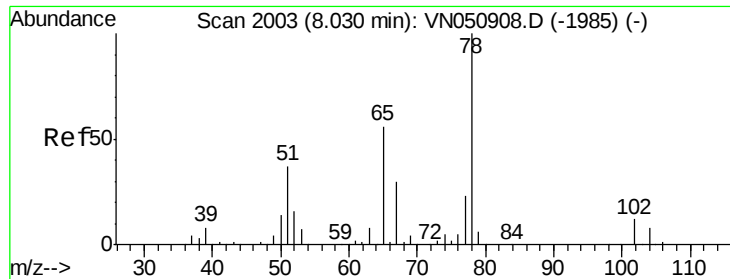
43 237.2 239.4 359.0#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 29.14 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051186.D

Acq: 14 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampled :

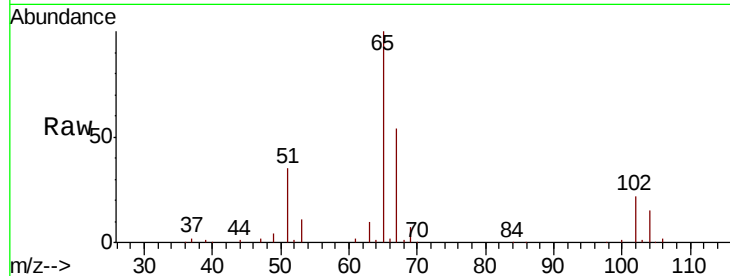
CBH-140(4)

Tot Ion: 65 Resp: 190135

Ion Ratio Lower Upper

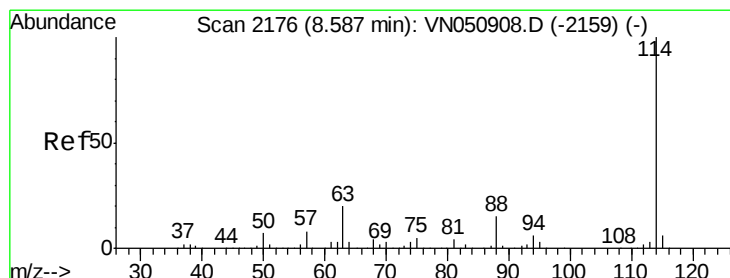
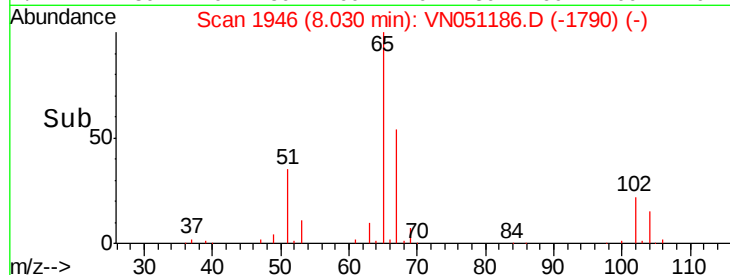
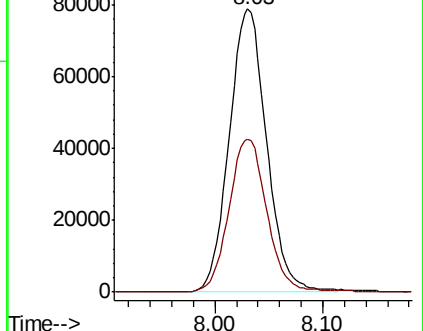
65 100

67 54.6 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN051186.D (-1946) (-)

Ion 67.00 (66.70 to 67.70): VN051186.D (-1946) (-)



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051186.D

Acq: 14 Sep 2018 13:33

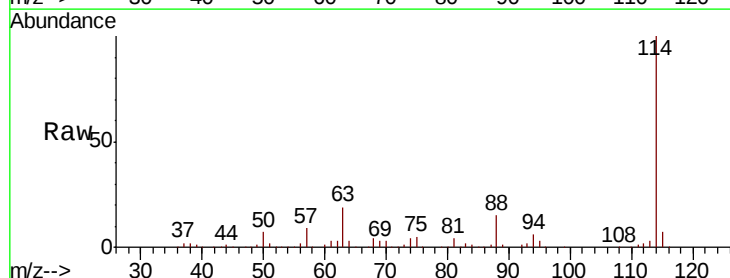
Tgt Ion: 114 Resp: 489785

Ion Ratio Lower Upper

114 100

63 19.2 15.6 23.4

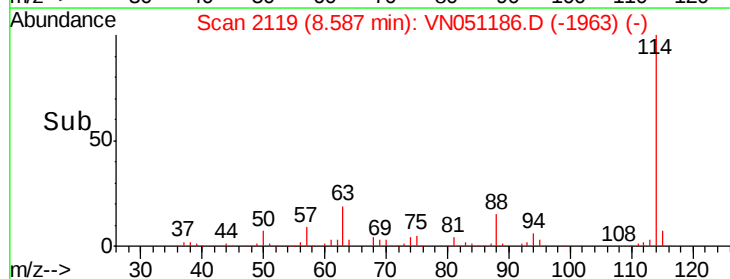
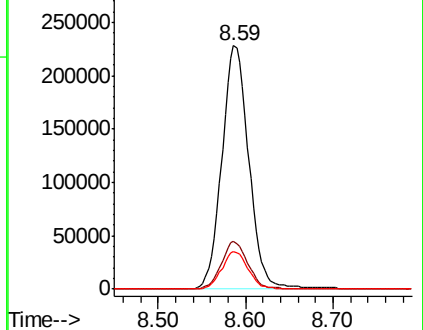
88 15.2 12.2 18.4

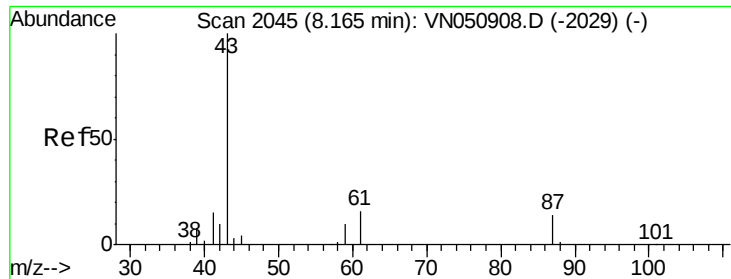


Abundance Ion 114.00 (113.70 to 114.70): VN051186.D (-2119) (-)

Ion 63.00 (62.70 to 63.70): VN051186.D (-2119) (-)

Ion 88.00 (87.70 to 88.70): VN051186.D (-2119) (-)





#44

Isopropyl Acetate

Concen: 0.49 ug/l

RT: 8.23 min Scan# 2008

Delta R.T. 0.06 min

Lab File: VN051186.D

Acq: 14 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampled :

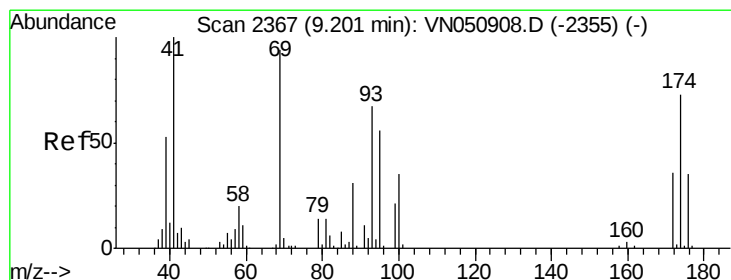
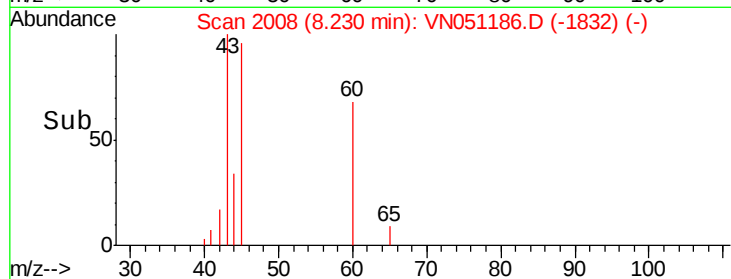
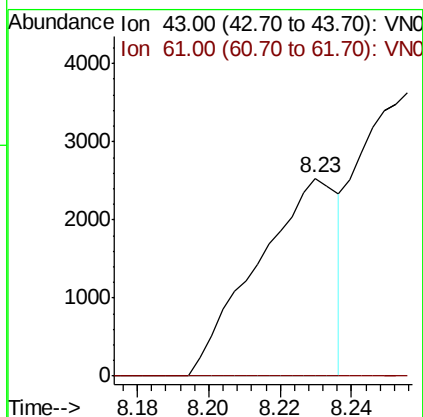
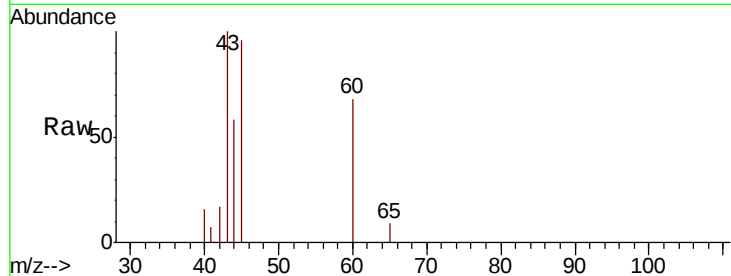
CBH-140(4)

Tot Ion: 43 Resp: 3974

Ion Ratio Lower Upper

43 100

61 86.4 16.3 24.5#



#45

1,4-Dioxane

Concen: 1.09 ug/l

RT: 8.72 min Scan# 2160

Delta R.T. -0.48 min

Lab File: VN051186.D

Acq: 14 Sep 2018 13:33

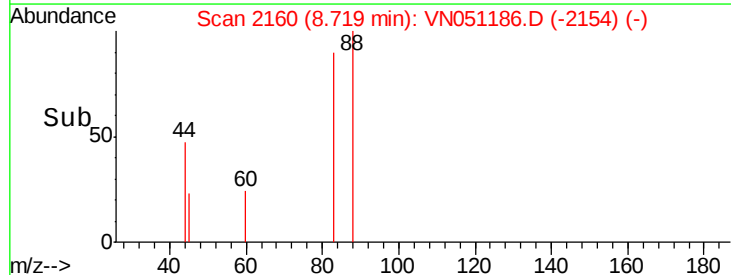
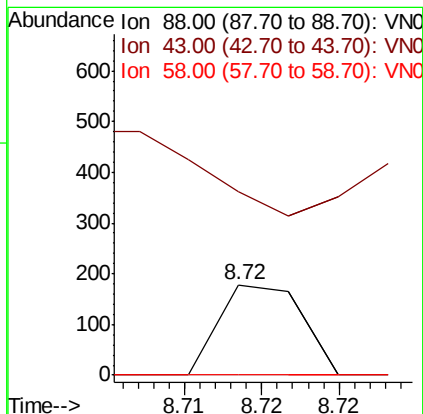
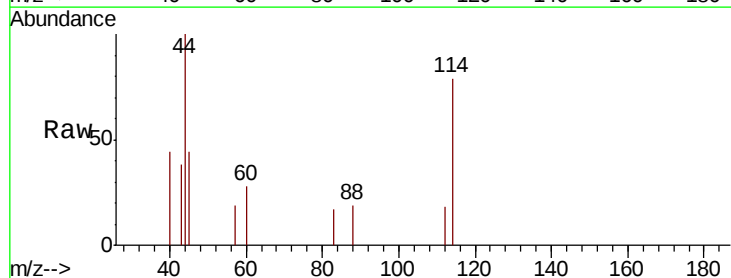
Tgt Ion: 88 Resp: 66

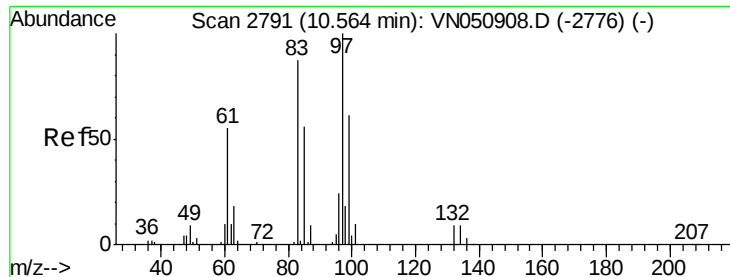
Ion Ratio Lower Upper

88 100

43 122.7 23.5 35.3#

58 0.0 55.2 82.8#





#50

1,1,2-Trichloroethane

Concen: 3.48 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.47 min

Lab File: VN051186.D

Acq: 14 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

CBH-140(4)

Tot Ion: 97 Resp: 18026

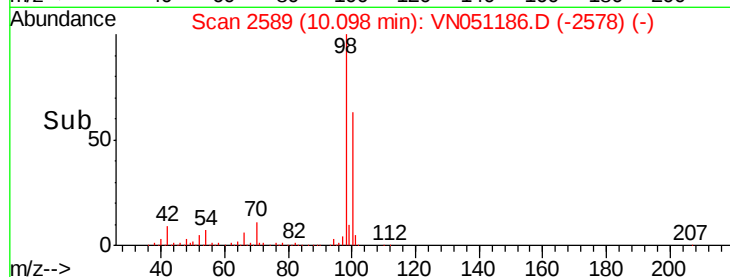
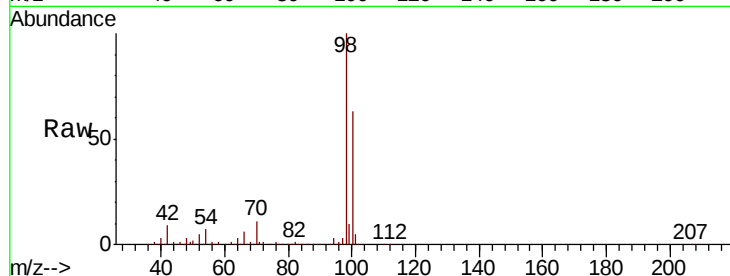
Ion Ratio Lower Upper

97 100

83 2.8 69.8 104.6#

85 0.0 45.0 67.6#

99 291.4 49.1 73.7#

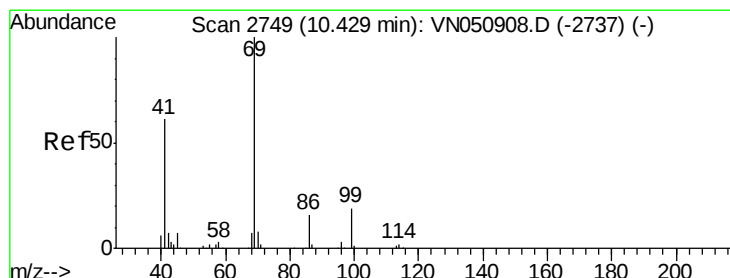
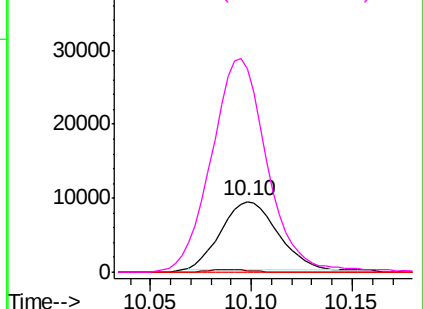


Abundance Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO



#51

Ethyl methacrylate

Concen: 0.29 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.33 min

Lab File: VN051186.D

Acq: 14 Sep 2018 13:33

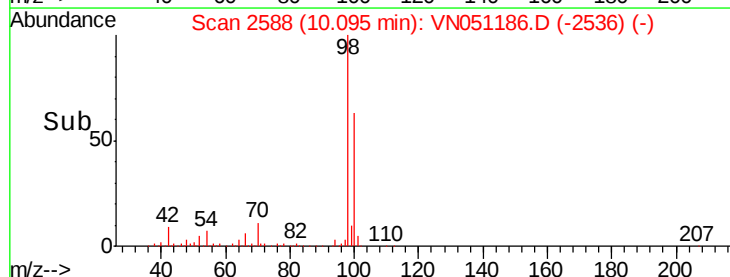
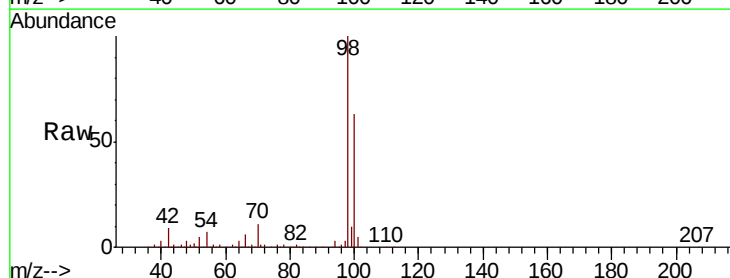
Tgt Ion: 69 Resp: 1834

Ion Ratio Lower Upper

69 100

41 70.8 30.5 91.5

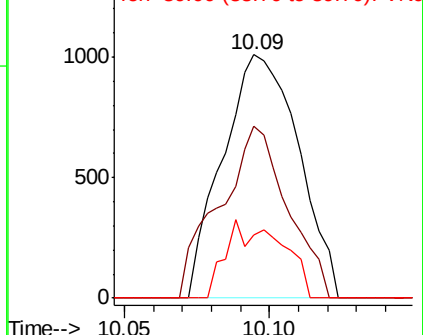
39 25.8 15.3 45.8

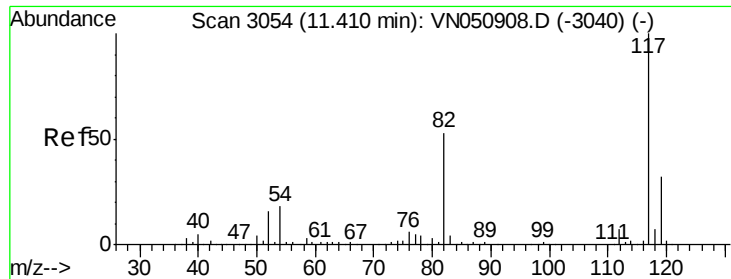


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

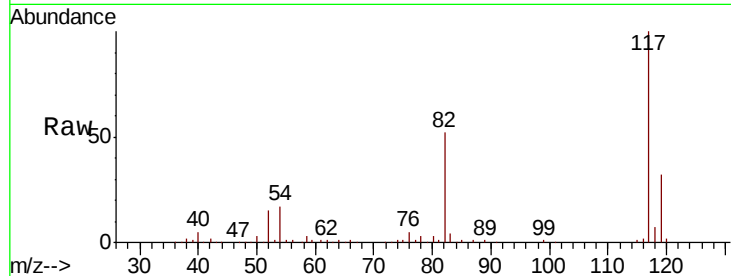




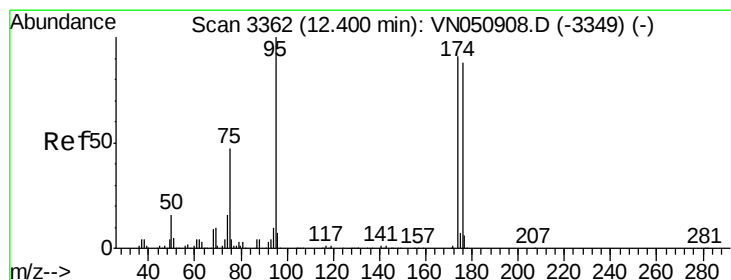
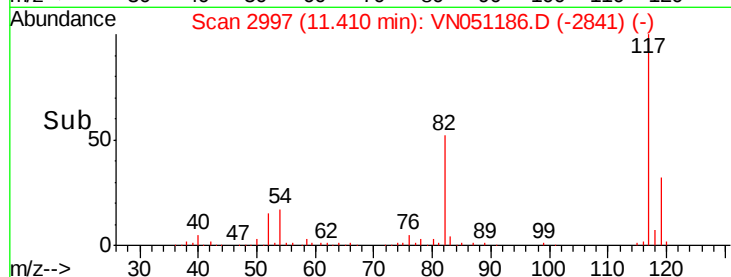
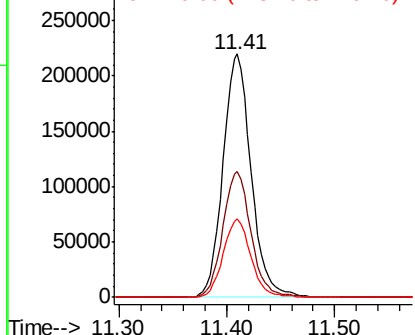
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051186.D
Acq: 14 Sep 2018 13:33

Instrument :
MSVOA_N
ClientSampleId :
CBH-140(4)

Tot Ion:117 Resp: 397954
Ion Ratio Lower Upper
117 100
82 51.9 42.6 64.0
119 32.0 25.7 38.5

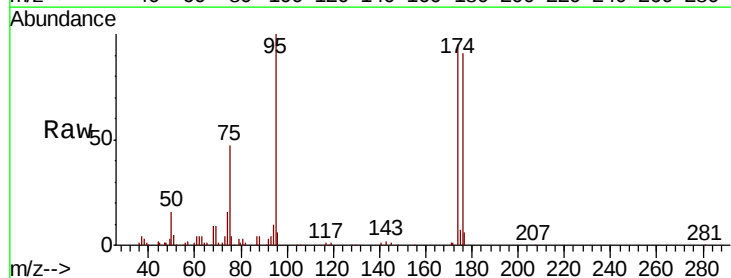


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

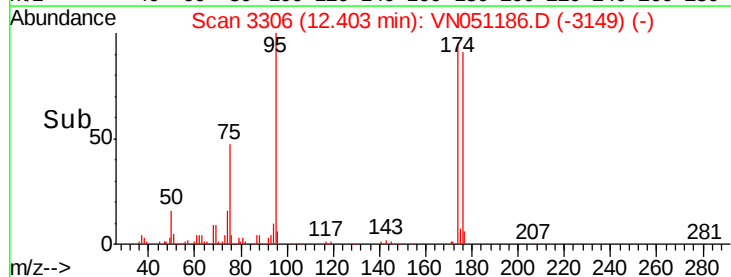
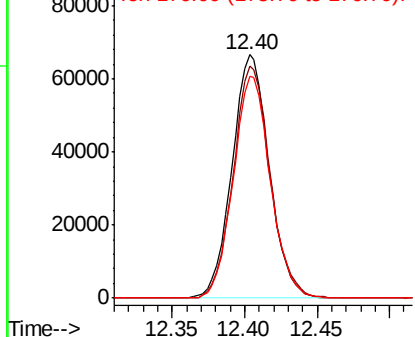


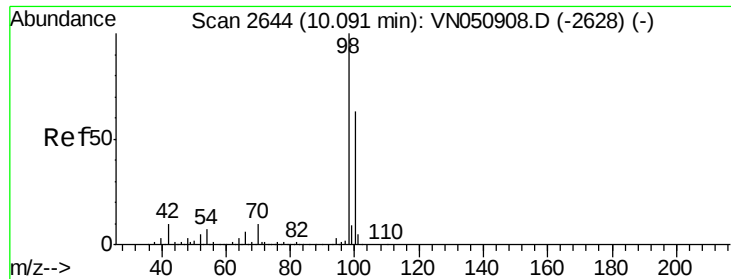
#60
4-Bromofluorobenzene
Concen: 19.96 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051186.D
Acq: 14 Sep 2018 13:33

Tgt Ion: 95 Resp: 118088
Ion Ratio Lower Upper
95 100
174 95.3 74.6 112.0
176 91.1 71.5 107.3



Abundance Ion 95.00 (94.70 to 95.70): V
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 30.67 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051186.D

Acq: 14 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampled :

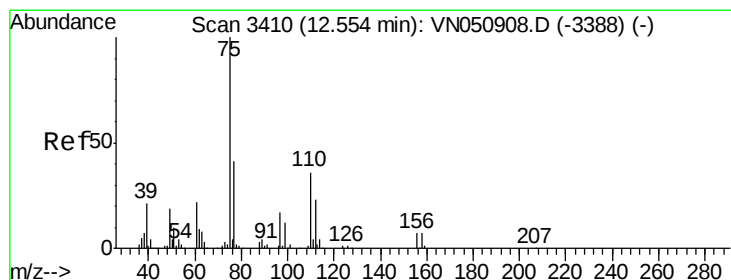
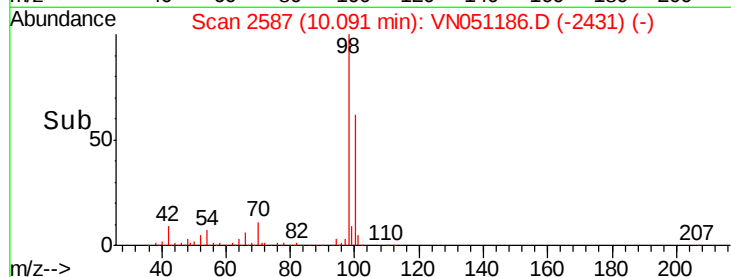
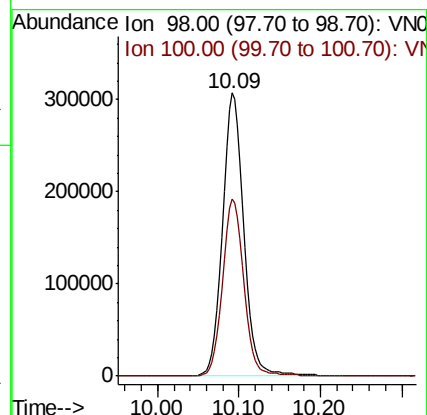
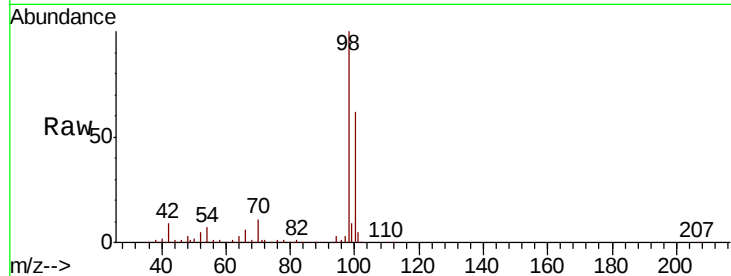
CBH-140(4)

Tot Ion: 98 Resp: 569127

Ion Ratio Lower Upper

98 100

100 62.3 50.6 75.8



#72

1,2,3-Trichloropropane

Concen: 10.33 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051186.D

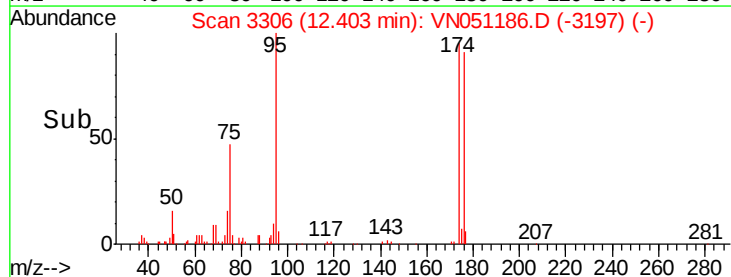
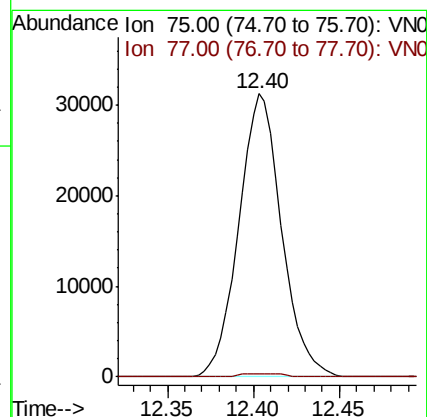
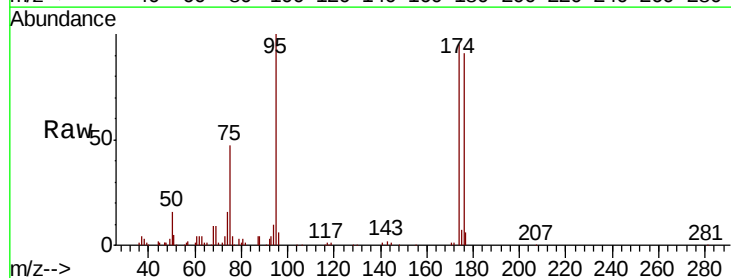
Acq: 14 Sep 2018 13:33

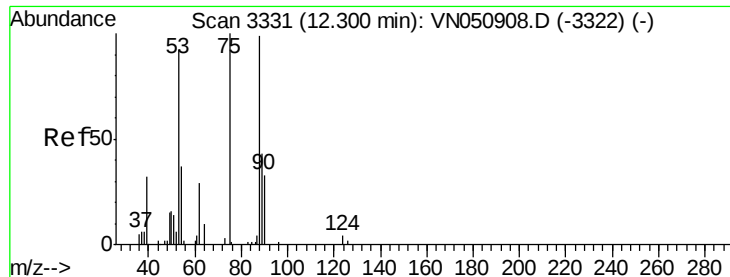
Tgt Ion: 75 Resp: 54195

Ion Ratio Lower Upper

75 100

77 0.6 0.0 301.6

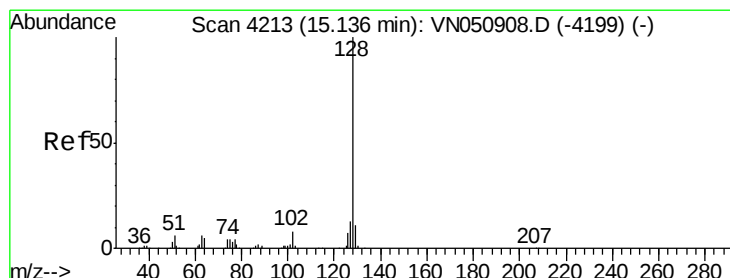
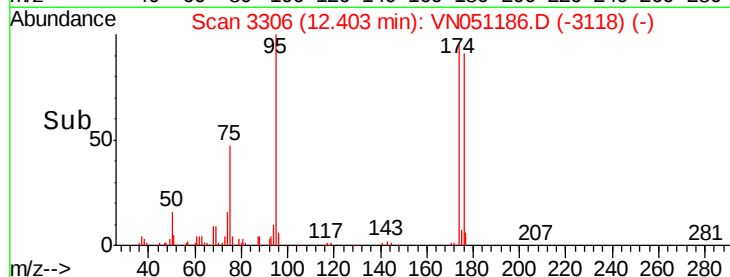
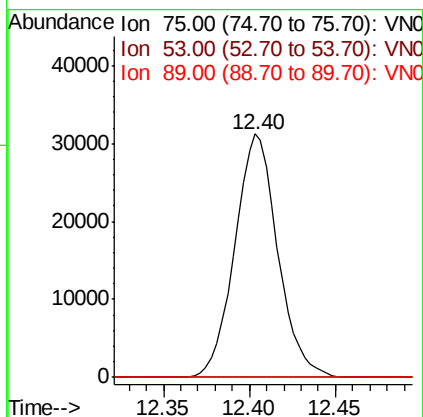
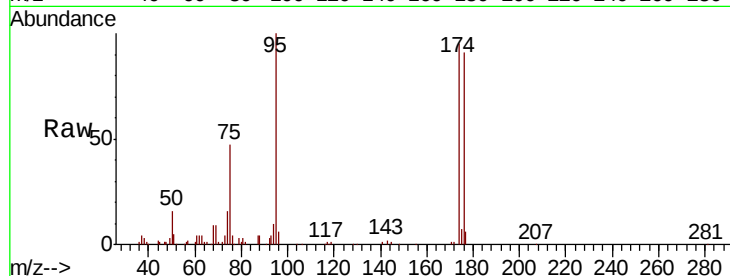




#77
t-1,4-Dichloro-2-butene
Concen: 36.25 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051186.D
Acq: 14 Sep 2018 13:33

Instrument :
MSVOA_N
ClientSampled :
CBH-140(4)

Tot Ion: 75 Resp: 54195
Ion Ratio Lower Upper
75 100
53 0.0 45.5 136.4#
89 0.0 21.9 65.8#



#91
Naphthalene
Concen: 8.73 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051186.D
Acq: 14 Sep 2018 13:33

Tgt Ion:128 Resp: 2109
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 4.8 8.7 13.1#

