

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051185.D
 Acq On : 14 Sep 2018 13:09
 Operator : MD\SY
 Sample : J4907-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-594(3)

Quant Time: Sep 14 23:39:20 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	99161	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	493938	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	395043	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	187960	29.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.00%
60) 4-Bromofluorobenzene	12.41	95	112111	19.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	63.60%
63) Toluene-d8	10.09	98	557869	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

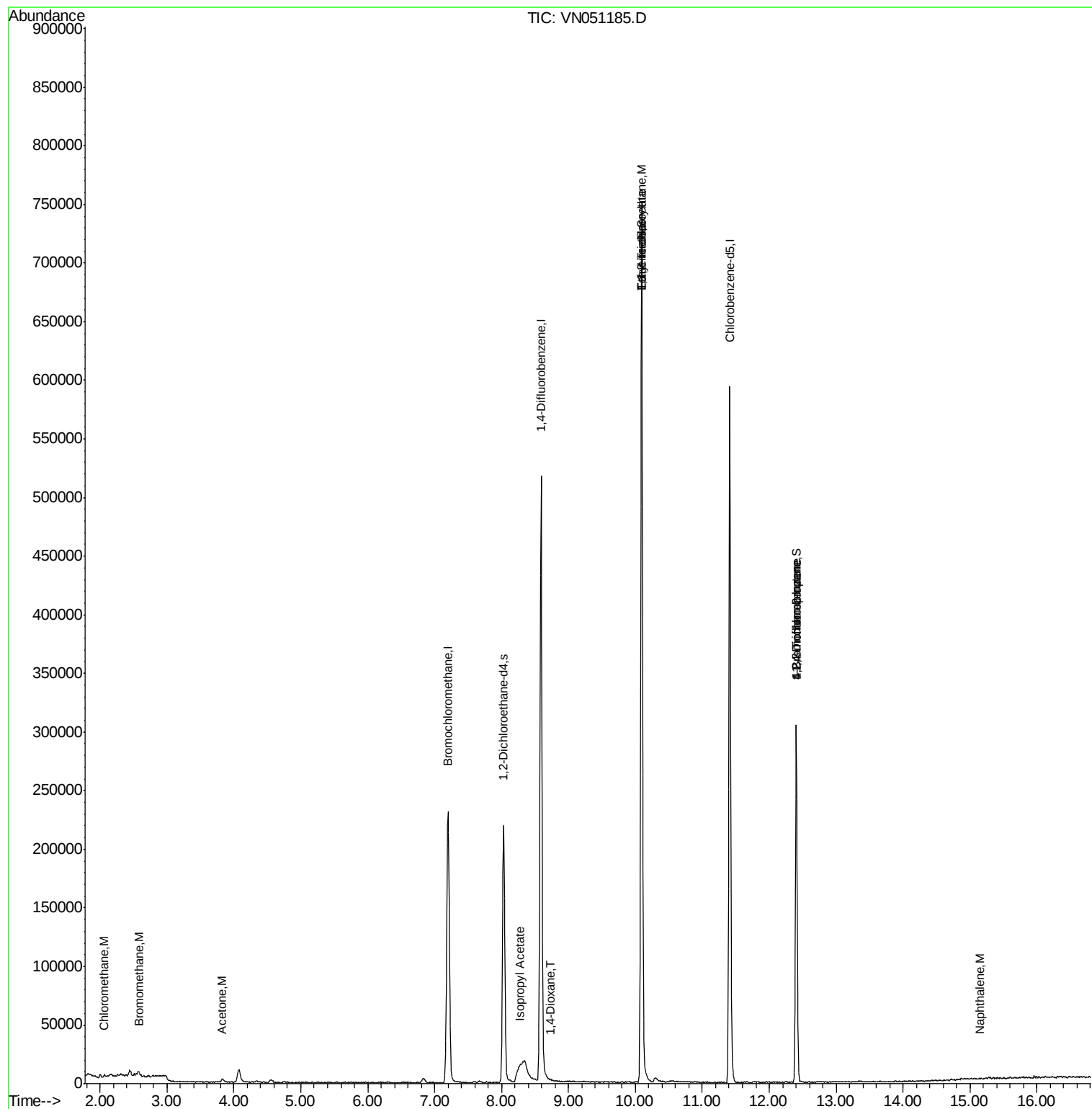
					Ovalue
3) Chloromethane	2.06	50	2244	0.31 ug/l	94
5) Bromomethane	2.57	94	1244	0.28 ug/l	87
15) Acetone	3.83	58	1057	1.97 ug/l #	49
44) Isopropyl Acetate	8.27	43	11420	1.39 ug/l #	57
45) 1,4-Dioxane	8.73	88	65	1.06 ug/l #	4
50) 1,1,2-Trichloroethane	10.10	97	18985	3.63 ug/l #	1
51) Ethyl methacrylate	10.10	69	1897	0.30 ug/l	90
72) 1,2,3-Trichloropropane	12.40	75	52067	9.99 ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	52067	35.08 ug/l #	13
91) Naphthalene	15.14	128	30	8.58 ug/l #	69

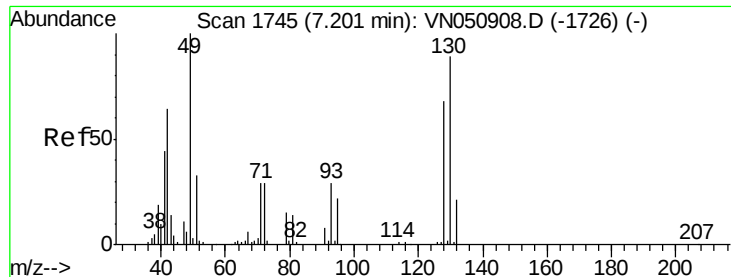
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091418\
Data File : VN051185.D
Acq On : 14 Sep 2018 13:09
Operator : MD\SY
Sample : J4907-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CBH-594(3)

Quant Time: Sep 14 23:39:20 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: VN051185.D

Acq: 14 Sep 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

CBH-594(3)

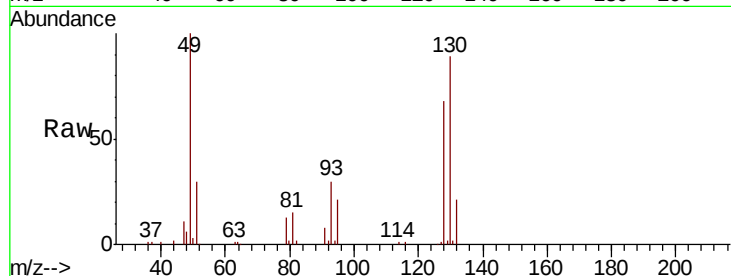
Tot Ion:128 Resp: 99161

Ion Ratio Lower Upper

128 100

49 146.8 0.0 380.3

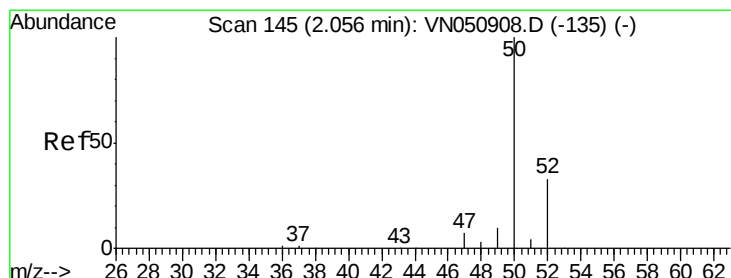
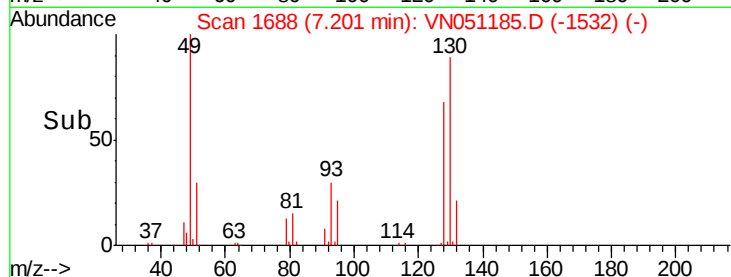
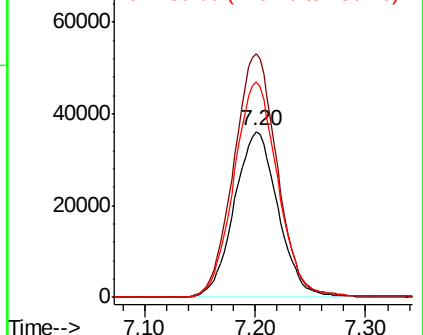
130 131.1 0.0 325.3



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: 0.31 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051185.D

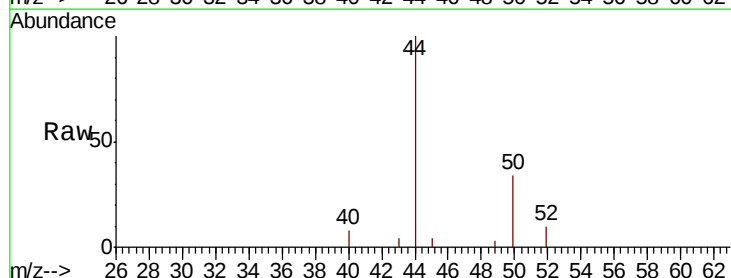
Acq: 14 Sep 2018 13:09

Tgt Ion: 50 Resp: 2244

Ion Ratio Lower Upper

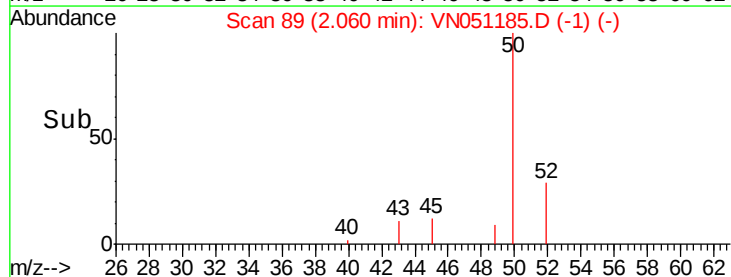
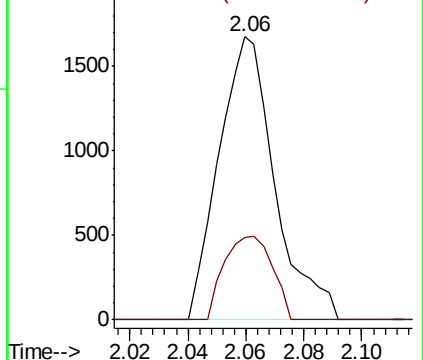
50 100

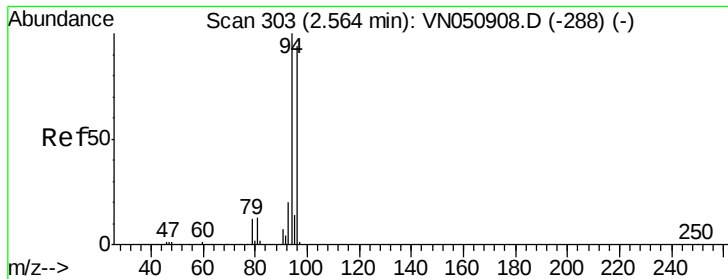
52 29.4 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#5

Bromomethane

Concen: 0.28 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051185.D

Acq: 14 Sep 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

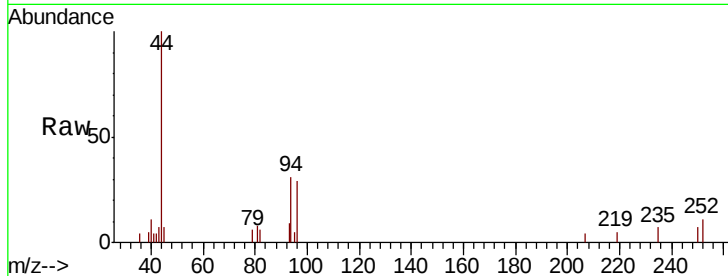
CBH-594(3)

Tot Ion: 94 Resp: 1244

Ion Ratio Lower Upper

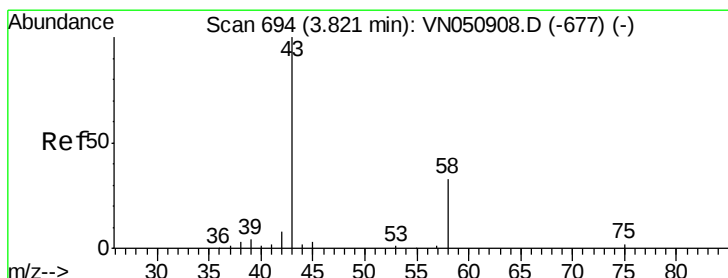
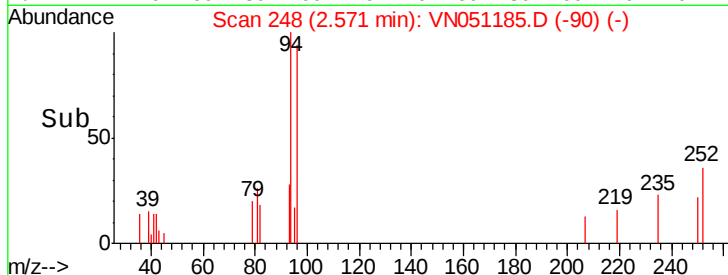
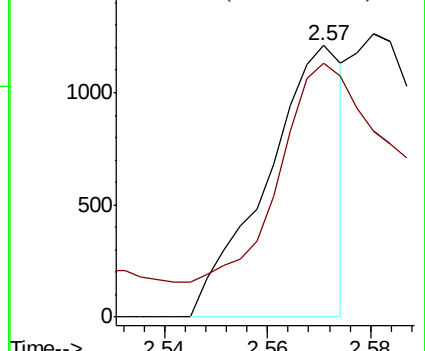
94 100

96 80.7 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: 1.97 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051185.D

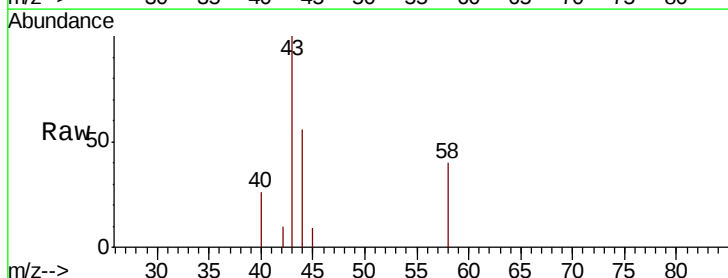
Acq: 14 Sep 2018 13:09

Tgt Ion: 58 Resp: 1057

Ion Ratio Lower Upper

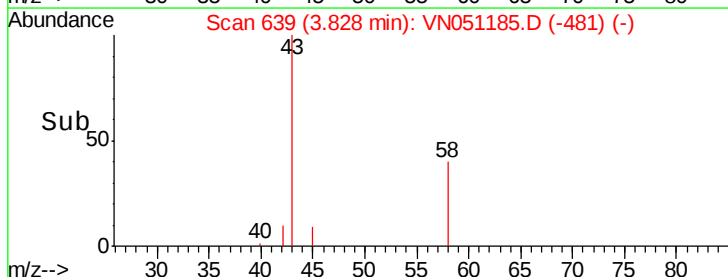
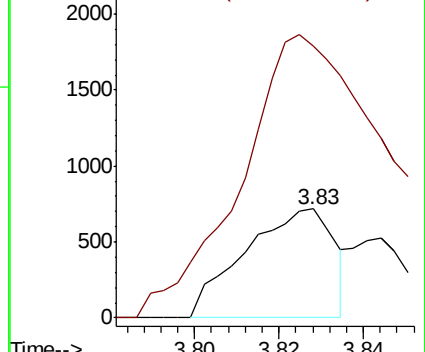
58 100

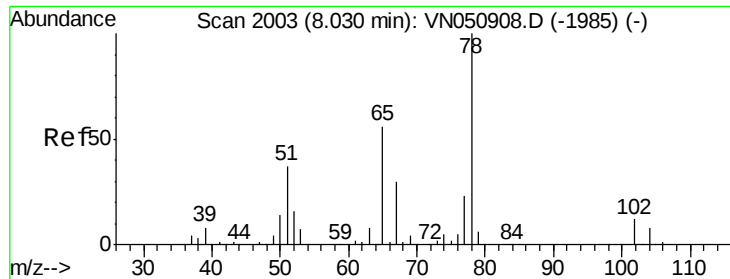
43 198.5 239.4 359.0#



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: 29.70 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051185.D

Acq: 14 Sep 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

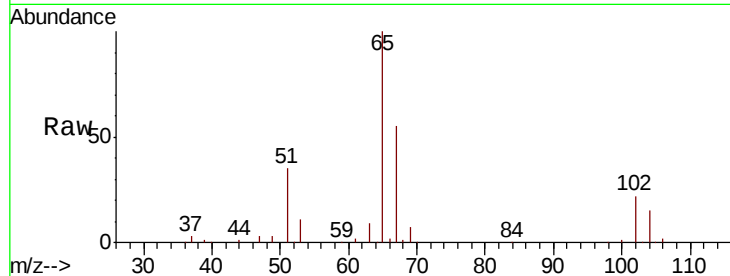
CBH-594(3)

Tot Ion: 65 Resp: 187960

Ion Ratio Lower Upper

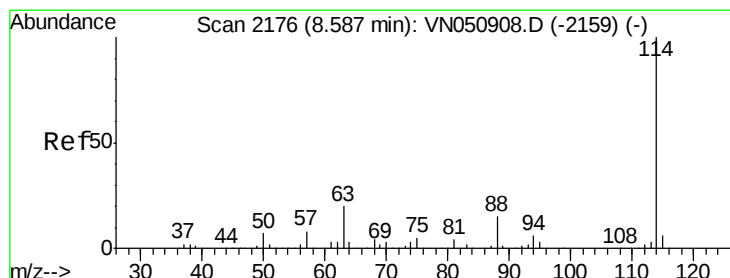
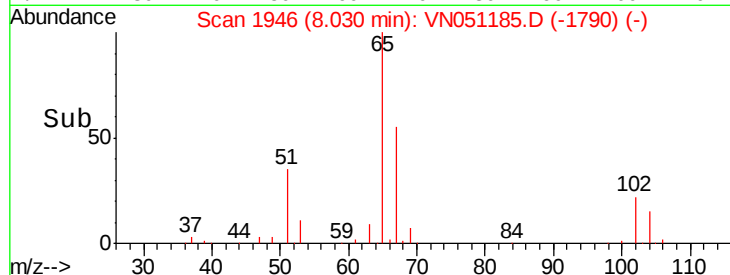
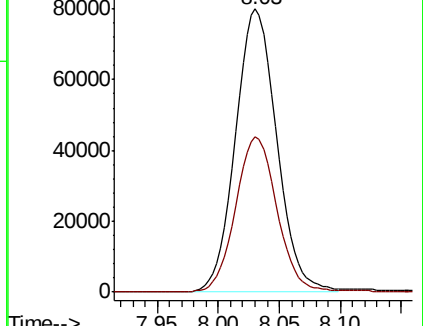
65 100

67 54.9 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN051185.D (-1946) (-)

Ion 67.00 (66.70 to 67.70): VN051185.D (-1946) (-)



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2120

Delta R.T. 0.00 min

Lab File: VN051185.D

Acq: 14 Sep 2018 13:09

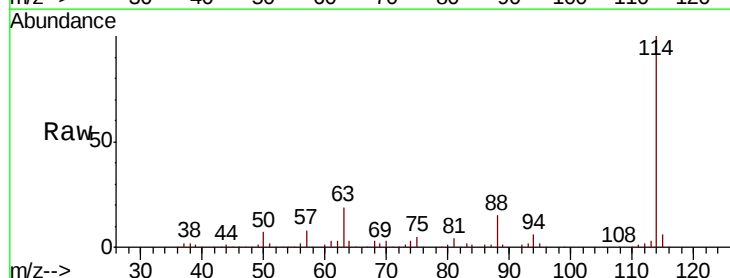
Tgt Ion: 114 Resp: 493938

Ion Ratio Lower Upper

114 100

63 18.5 15.6 23.4

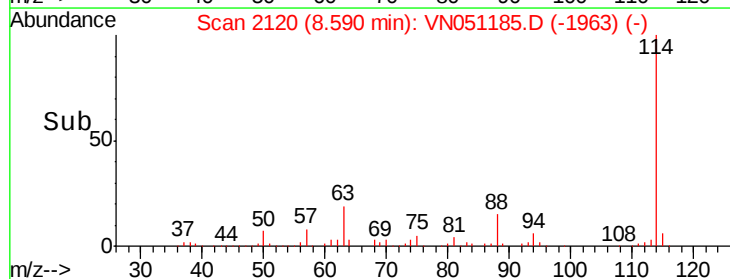
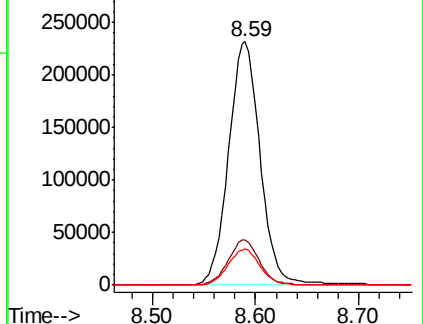
88 15.0 12.2 18.4

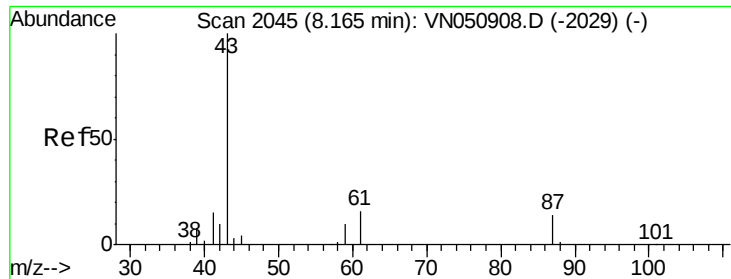


Abundance Ion 114.00 (113.70 to 114.70): VN051185.D (-2120) (-)

Ion 63.00 (62.70 to 63.70): VN051185.D (-2120) (-)

Ion 88.00 (87.70 to 88.70): VN051185.D (-2120) (-)





#44

Isopropyl Acetate

Concen: 1.39 ug/l

RT: 8.27 min Scan# 2019

Delta R.T. 0.10 min

Lab File: VN051185.D

Acq: 14 Sep 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

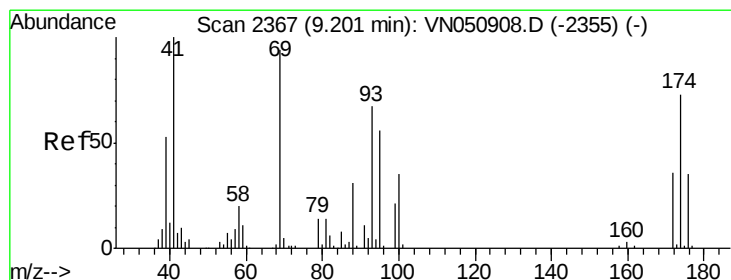
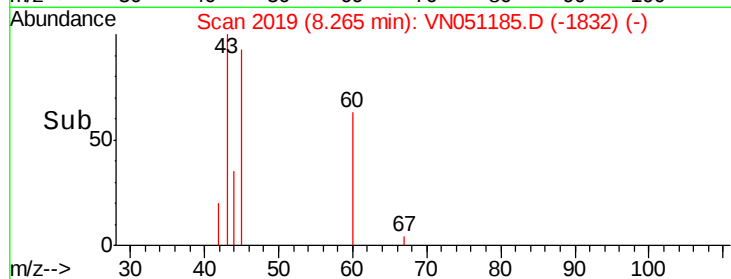
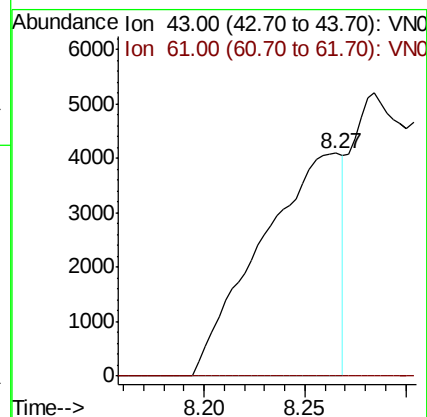
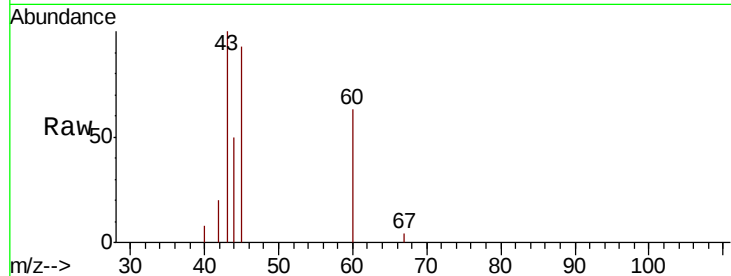
CBH-594(3)

Tot Ion: 43 Resp: 11420

Ion Ratio Lower Upper

43 100

61 0.5 16.3 24.5#



#45

1,4-Dioxane

Concen: 1.06 ug/l

RT: 8.73 min Scan# 2164

Delta R.T. -0.47 min

Lab File: VN051185.D

Acq: 14 Sep 2018 13:09

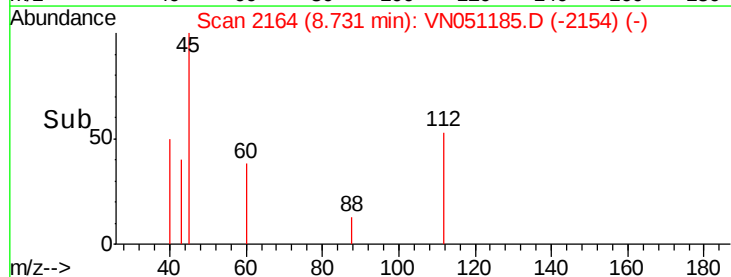
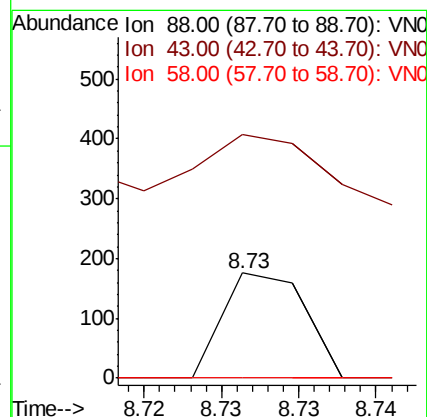
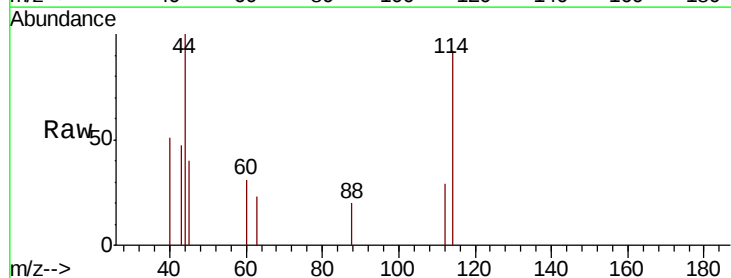
Tgt Ion: 88 Resp: 65

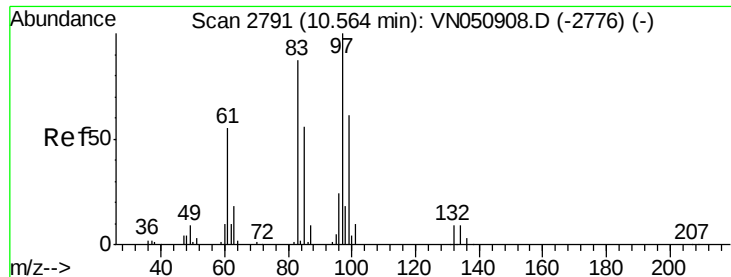
Ion Ratio Lower Upper

88 100

43 95.4 23.5 35.3#

58 0.0 55.2 82.8#

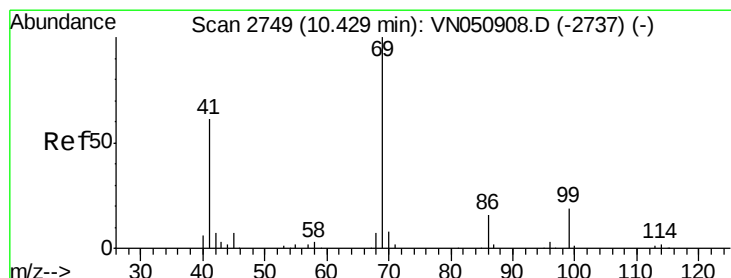
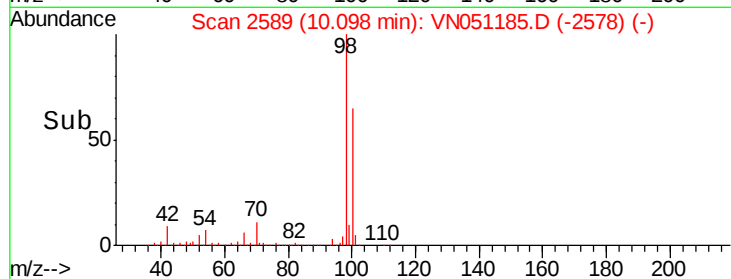
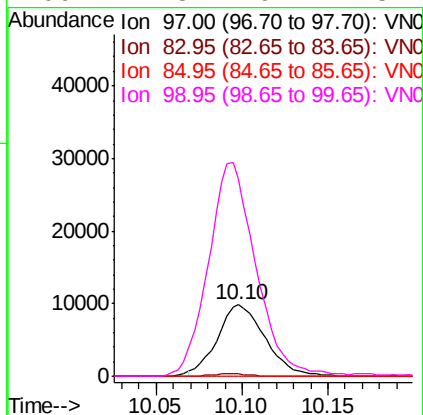
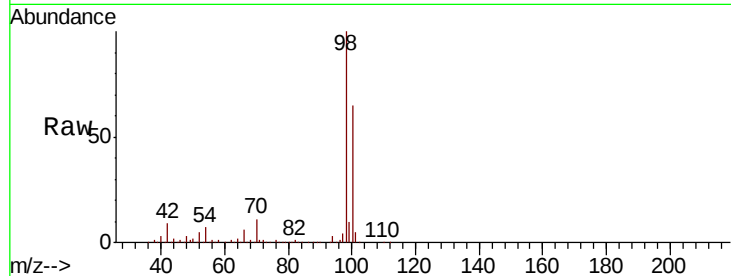




#50
1,1,2-Trichloroethane
Concen: 3.63 ug/l
RT: 10.10 min Scan# 2589
Delta R.T. -0.47 min
Lab File: VN051185.D
Acq: 14 Sep 2018 13:09

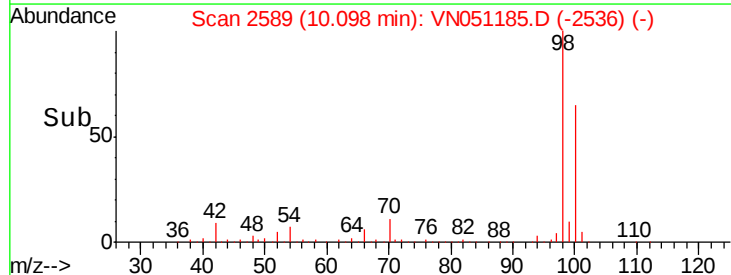
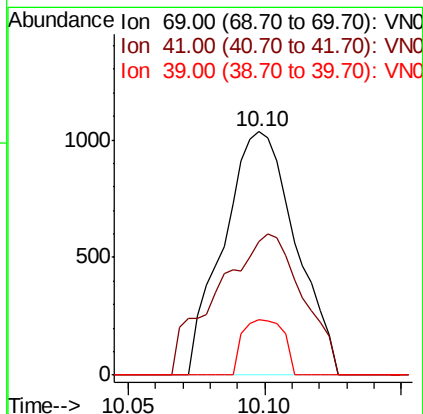
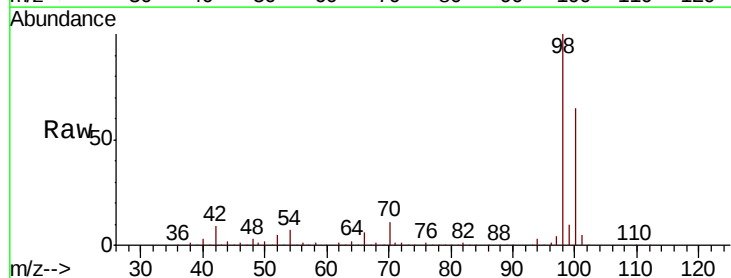
Instrument :
MSVOA_N
ClientSampleId :
CBH-594(3)

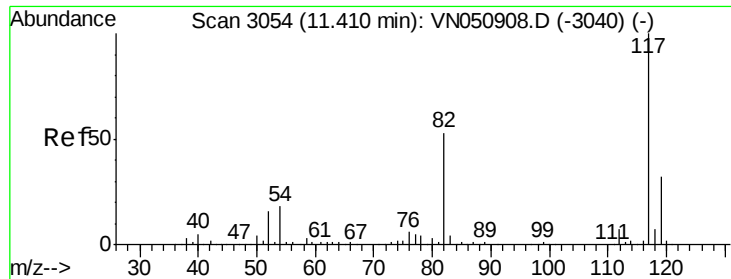
Tot Ion: 97 Resp: 18985
Ion Ratio Lower Upper
97 100
83 3.4 69.8 104.6#
85 0.0 45.0 67.6#
99 274.8 49.1 73.7#



#51
Ethyl methacrylate
Concen: 0.30 ug/l
RT: 10.10 min Scan# 2589
Delta R.T. -0.33 min
Lab File: VN051185.D
Acq: 14 Sep 2018 13:09

Tgt Ion: 69 Resp: 1897
Ion Ratio Lower Upper
69 100
41 55.0 30.5 91.5
39 23.0 15.3 45.8

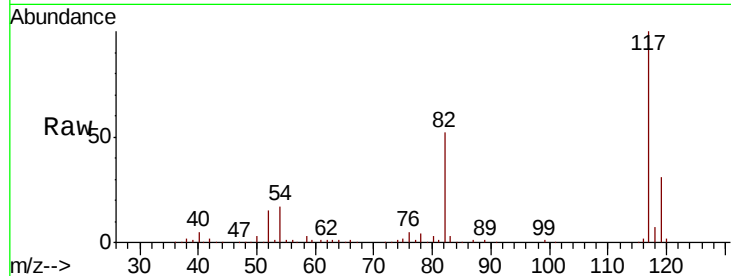




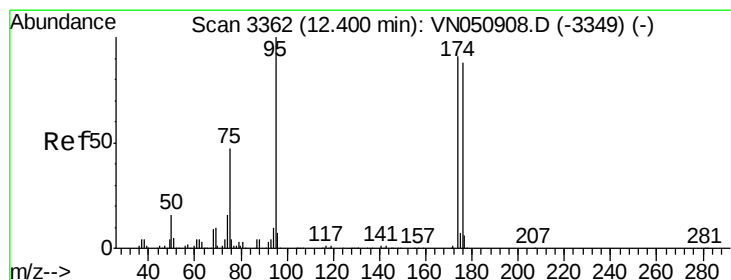
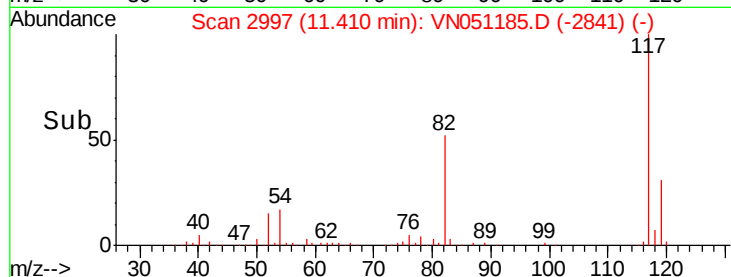
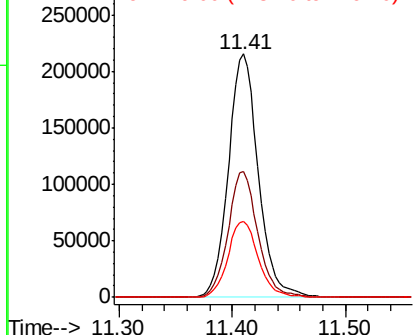
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051185.D
Acq: 14 Sep 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
CBH-594(3)

Tot Ion:117 Resp: 395043
Ion Ratio Lower Upper
117 100
82 51.5 42.6 64.0
119 32.0 25.7 38.5

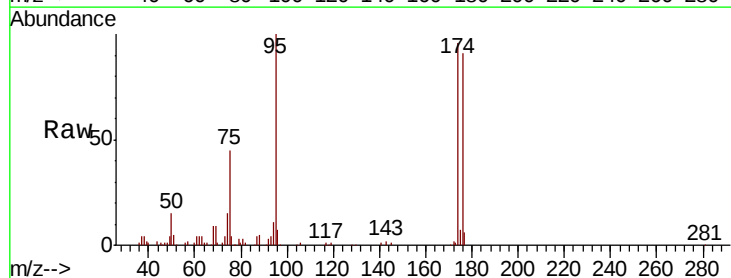


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

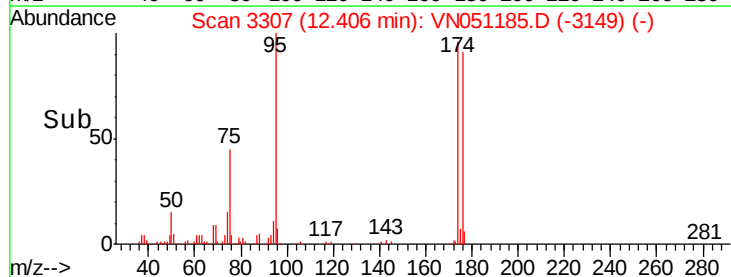
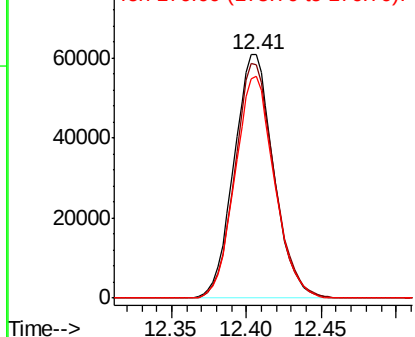


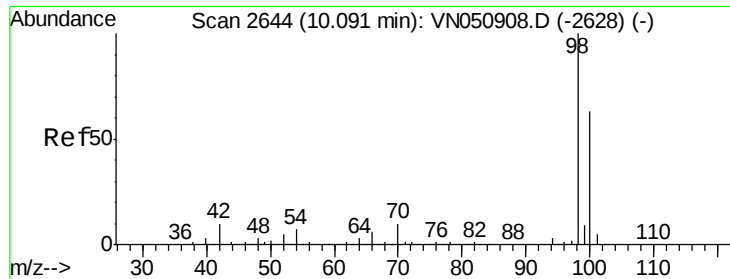
#60
4-Bromofluorobenzene
Concen: 19.08 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.01 min
Lab File: VN051185.D
Acq: 14 Sep 2018 13:09

Tgt Ion: 95 Resp: 112111
Ion Ratio Lower Upper
95 100
174 95.6 74.6 112.0
176 90.4 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: 30.28 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051185.D

Acq: 14 Sep 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

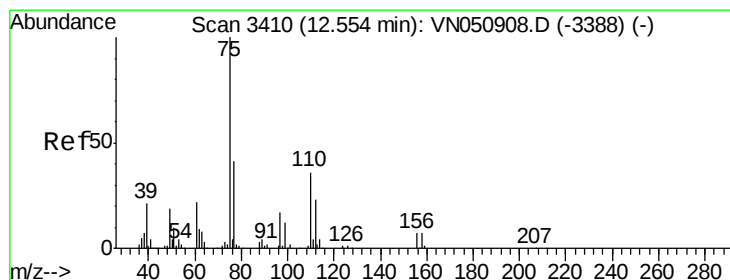
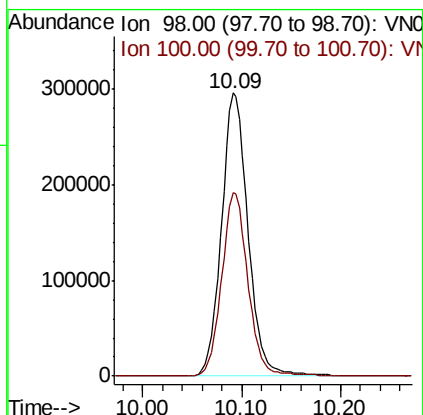
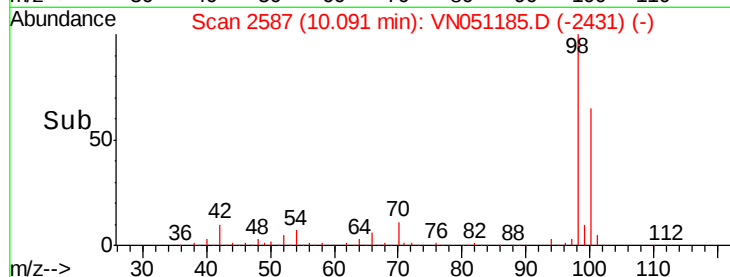
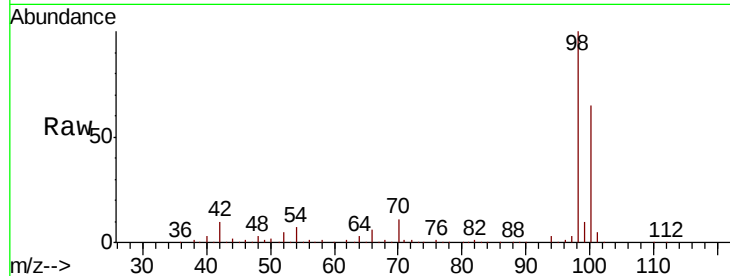
CBH-594(3)

Tot Ion: 98 Resp: 557869

Ion Ratio Lower Upper

98 100

100 64.3 50.6 75.8



#72

1,2,3-Trichloropropane

Concen: 9.99 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051185.D

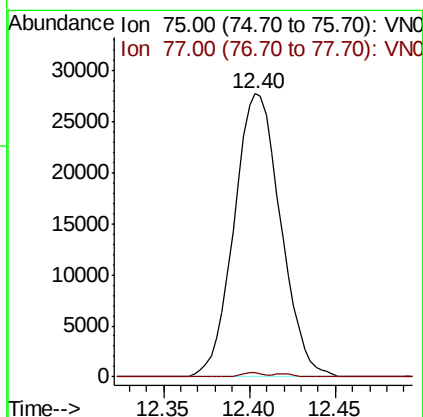
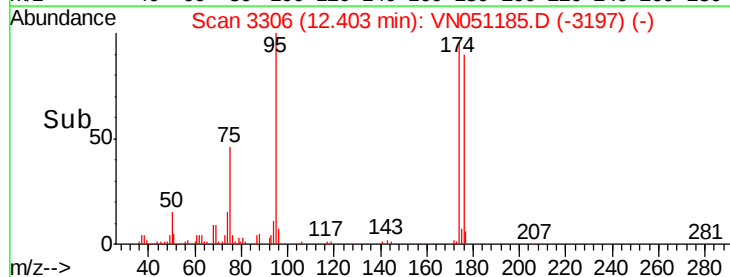
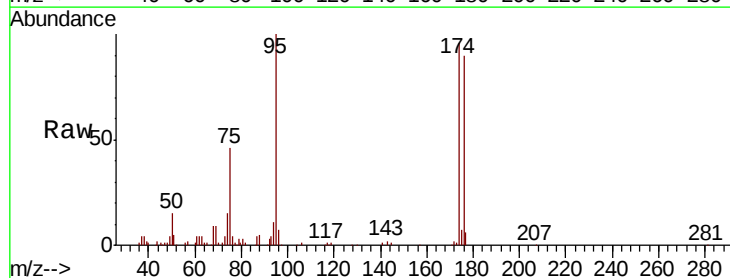
Acq: 14 Sep 2018 13:09

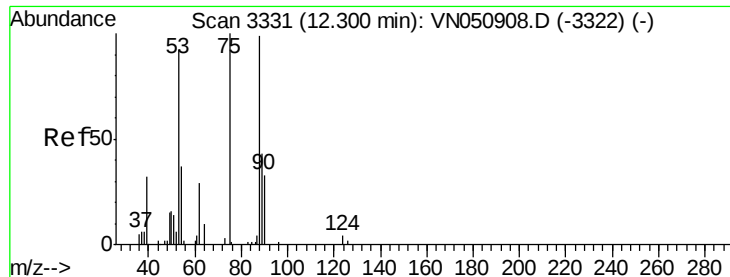
Tgt Ion: 75 Resp: 52067

Ion Ratio Lower Upper

75 100

77 0.8 0.0 301.6

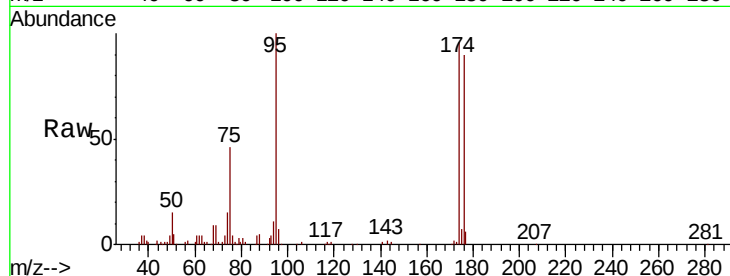




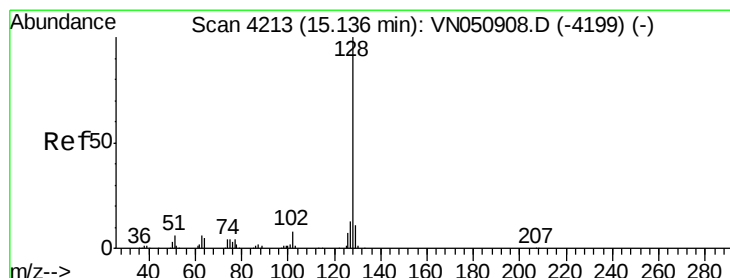
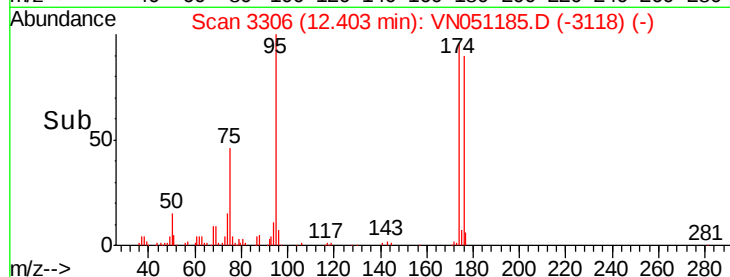
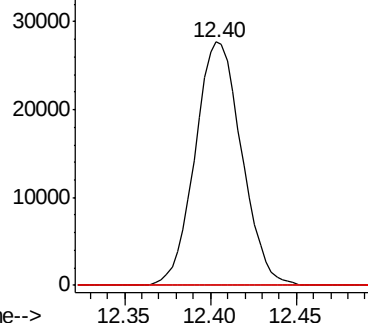
#77
t-1,4-Dichloro-2-butene
Concen: 35.08 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051185.D
Acq: 14 Sep 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
CBH-594(3)

Tot Ion: 75 Resp: 52067
Ion Ratio Lower Upper
75 100
53 0.0 45.5 136.4#
89 0.0 21.9 65.8#

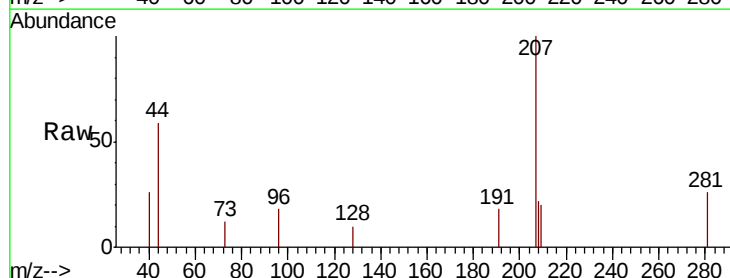


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0



#91
Naphthalene
Concen: 8.58 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051185.D
Acq: 14 Sep 2018 13:09

Tgt Ion: 128 Resp: 30
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

