

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051184.D
 Acq On : 14 Sep 2018 12:44
 Operator : MD\SY
 Sample : J4907-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-128(2)

Quant Time: Sep 14 23:39:10 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	97074	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	490298	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	394388	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	185262	29.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.70%
60) 4-Bromofluorobenzene	12.40	95	114955	19.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	65.33%
63) Toluene-d8	10.09	98	562566	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

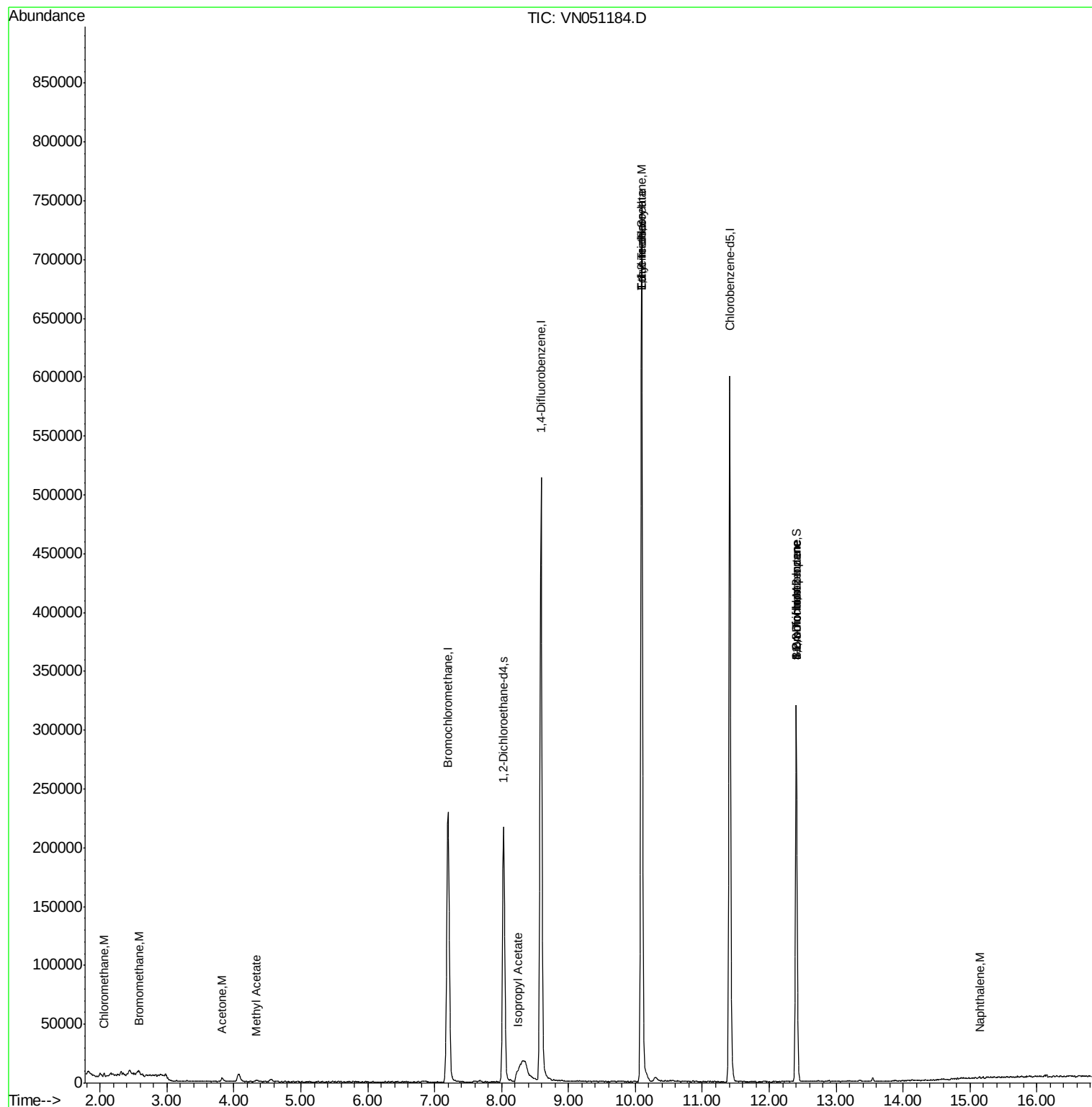
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.06	50	2278	0.32	ug/l	96
5) Bromomethane	2.57	94	2588	0.60	ug/l	84
12) Methyl Acetate	4.33	43	1790	0.30	ug/l #	83
15) Acetone	3.82	58	629	1.20	ug/l #	62
44) Isopropyl Acetate	8.23	43	3557	0.44	ug/l #	40
50) 1,1,2-Trichloroethane	10.10	97	18044	3.48	ug/l #	1
51) Ethyl methacrylate	10.09	69	1817	0.29	ug/l	93
56) Bromoform	12.40	173	1224	0.29	ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	53969	10.38	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	53969	36.42	ug/l #	13
91) Naphthalene	15.13	128	411	8.61	ug/l #	69

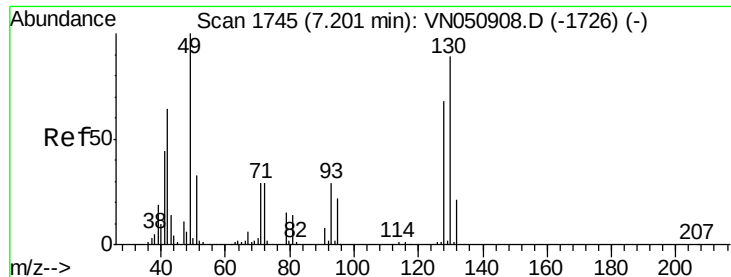
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CBH-128(2)

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QLast Update : Wed Aug 29 01:38:44 2018
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN051184.D

Acq: 14 Sep 2018 12:44

Instrument :

MSVOA_N

ClientSampled :

CBH-128(2)

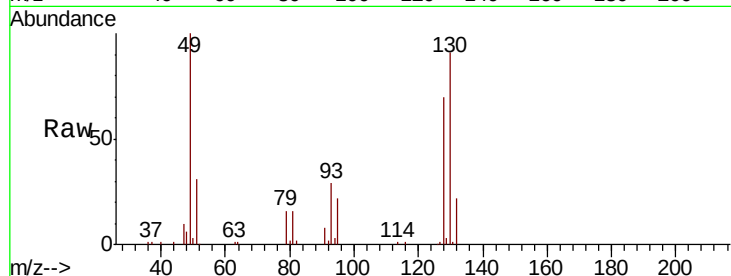
Tot Ion:128 Resp: 97074

Ion Ratio Lower Upper

128 100

49 146.4 0.0 380.3

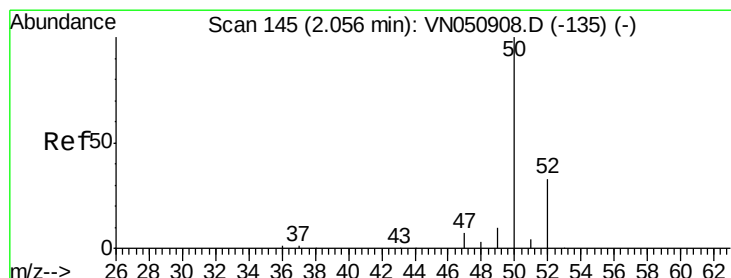
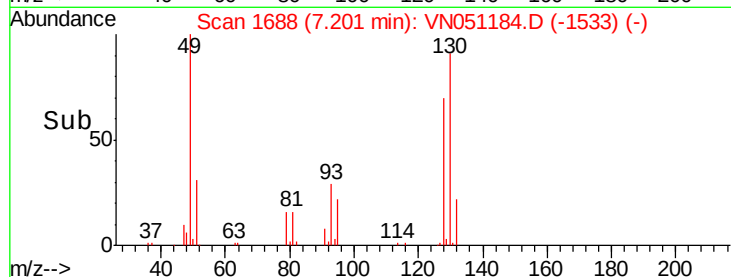
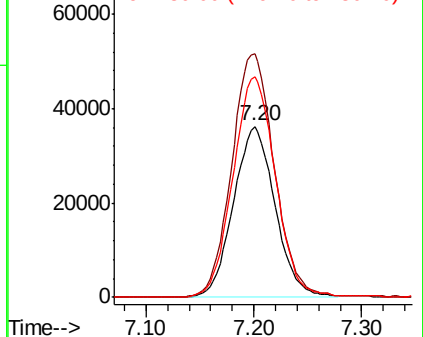
130 132.2 0.0 325.3



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: 0.32 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051184.D

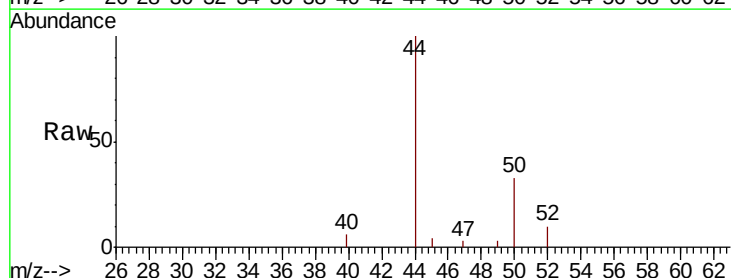
Acq: 14 Sep 2018 12:44

Tgt Ion: 50 Resp: 2278

Ion Ratio Lower Upper

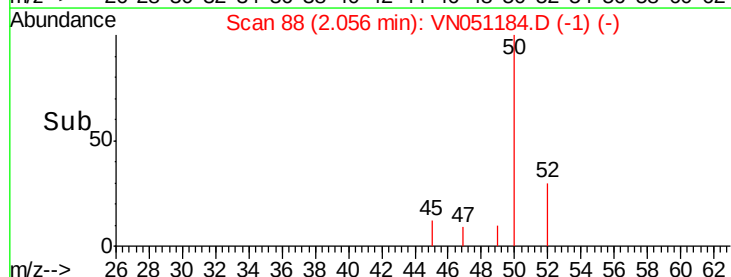
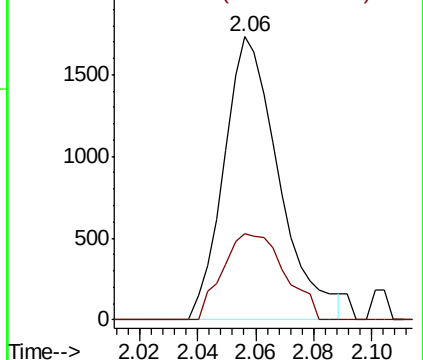
50 100

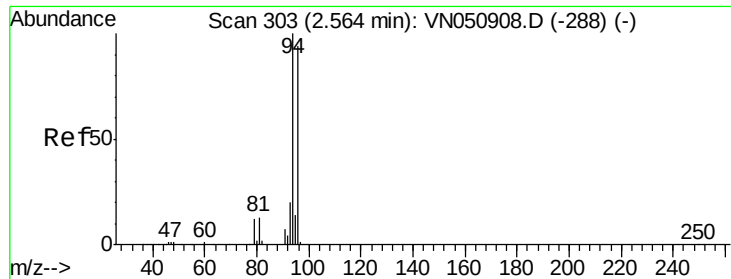
52 30.5 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#5

Bromomethane

Concen: 0.60 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051184.D

Acq: 14 Sep 2018 12:44

Instrument :

MSVOA_N

ClientSampled :

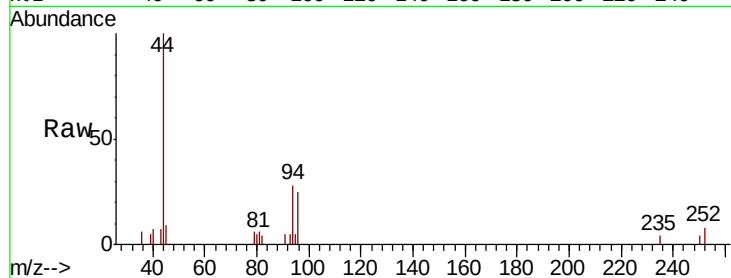
CBH-128(2)

Tot Ion: 94 Resp: 2588

Ion Ratio Lower Upper

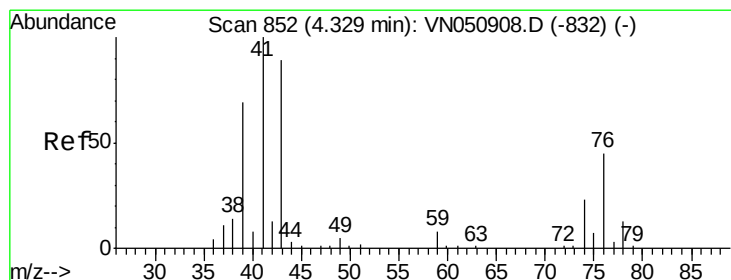
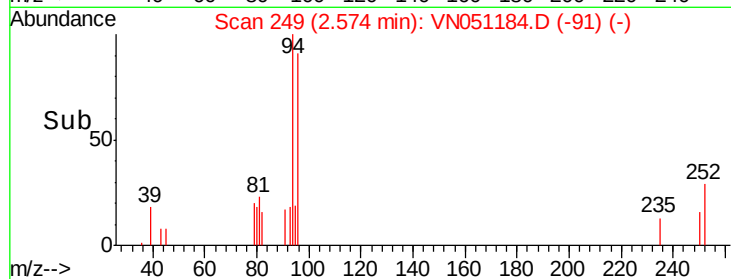
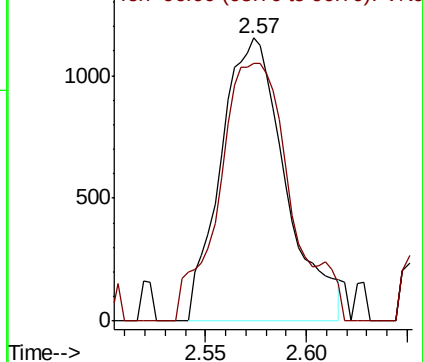
94 100

96 77.8 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#12

Methyl Acetate

Concen: 0.30 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN051184.D

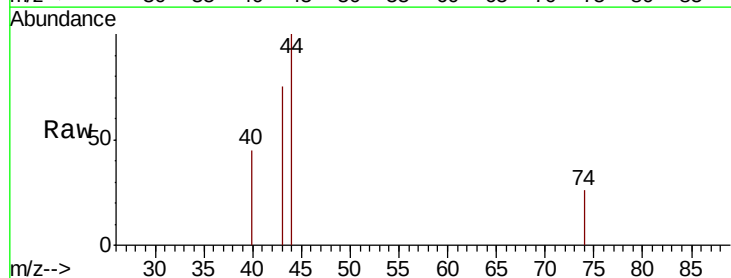
Acq: 14 Sep 2018 12:44

Tgt Ion: 43 Resp: 1790

Ion Ratio Lower Upper

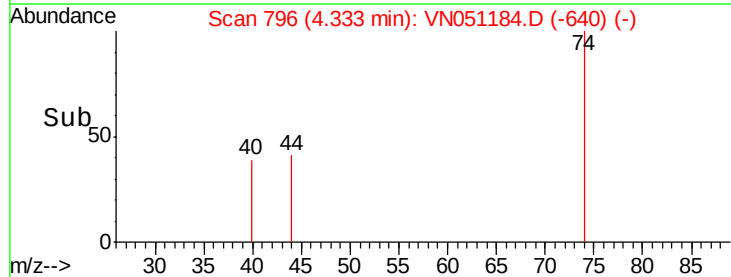
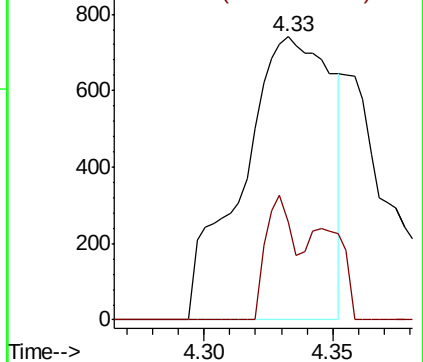
43 100

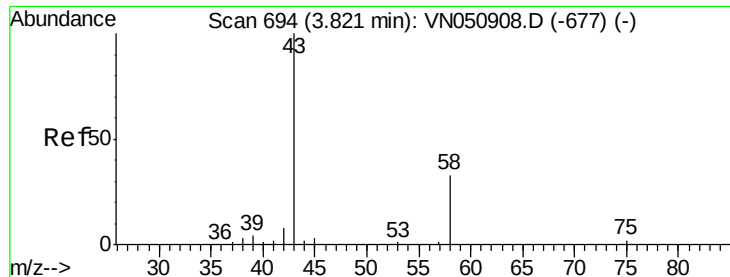
74 34.5 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#15

Acetone

Concen: 1.20 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN051184.D

Acq: 14 Sep 2018 12:44

Instrument :

MSVOA_N

ClientSampled :

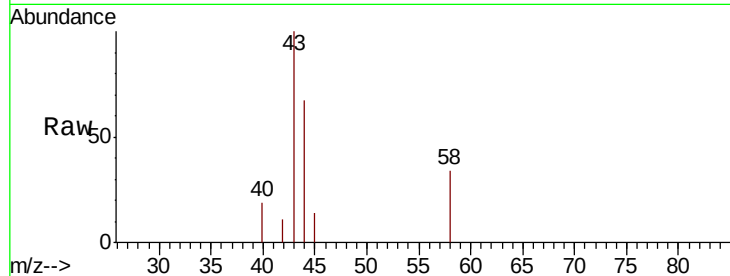
CBH-128(2)

Tot Ion: 58 Resp: 629

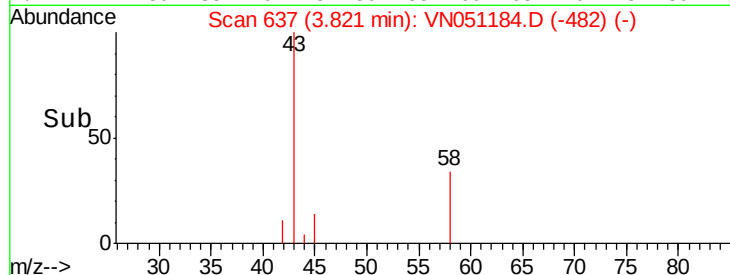
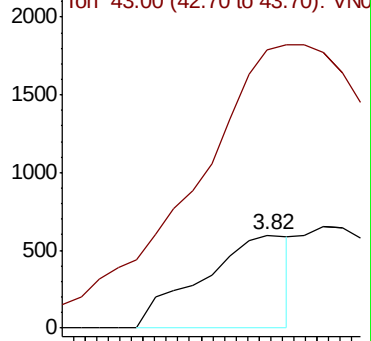
Ion Ratio Lower Upper

58 100

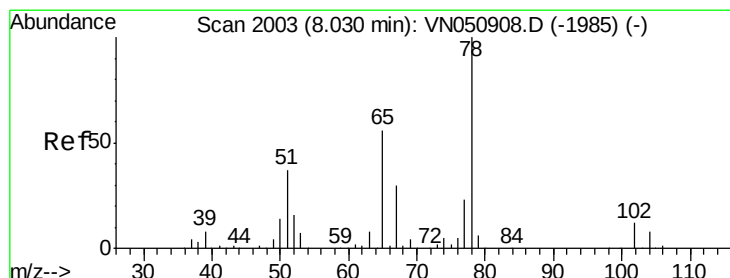
43 224.9 239.4 359.0#



Abundance Ion 58.00 (57.70 to 58.70): VN051184.D (-482) (-)



Time-->



#27

1,2-Dichloroethane-d4

Concen: 29.91 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.00 min

Lab File: VN051184.D

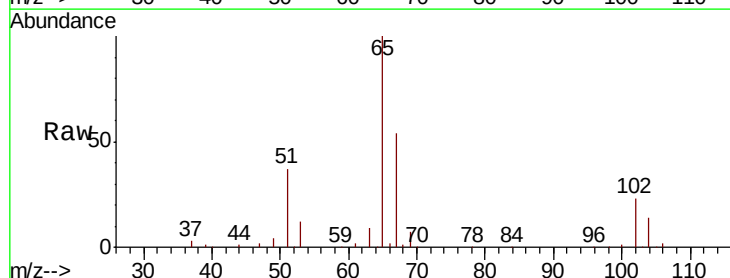
Acq: 14 Sep 2018 12:44

Tgt Ion: 65 Resp: 185262

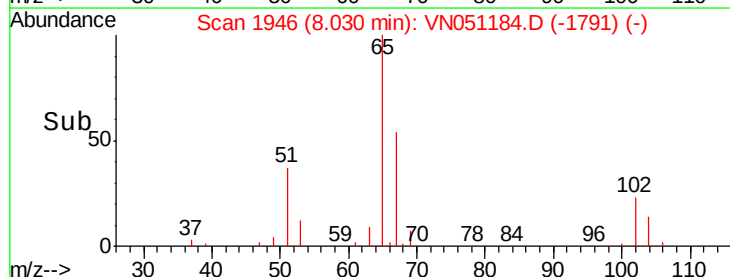
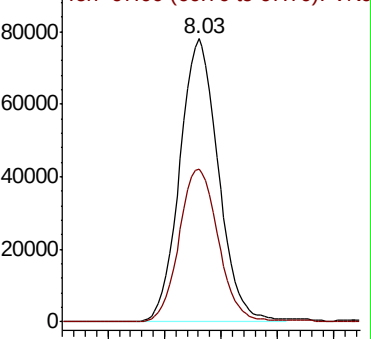
Ion Ratio Lower Upper

65 100

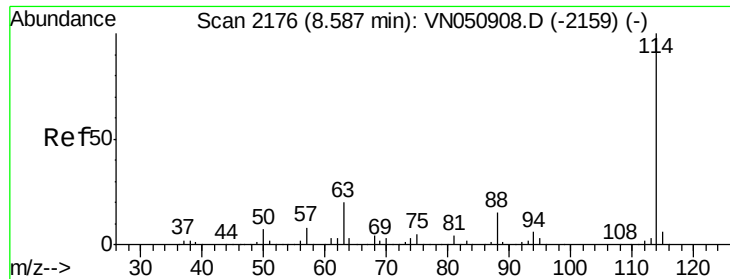
67 54.9 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN051184.D (-1791) (-)



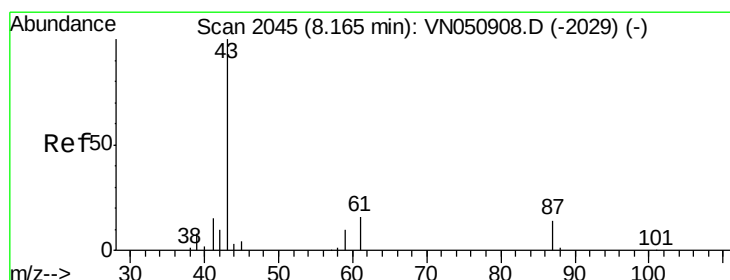
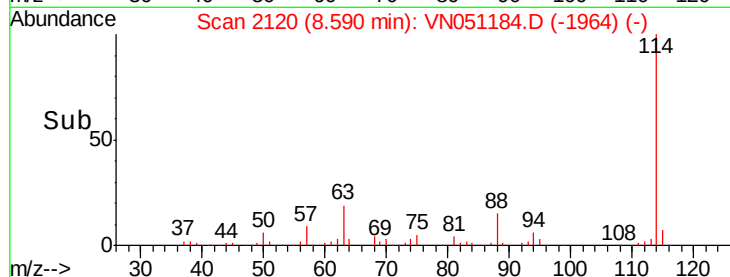
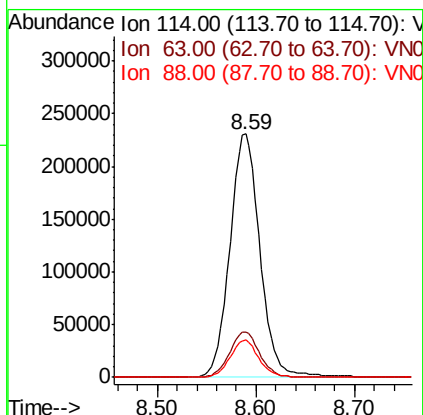
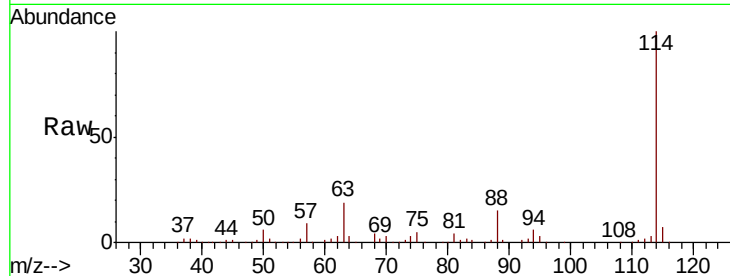
Time-->



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051184.D
 Acq: 14 Sep 2018 12:44

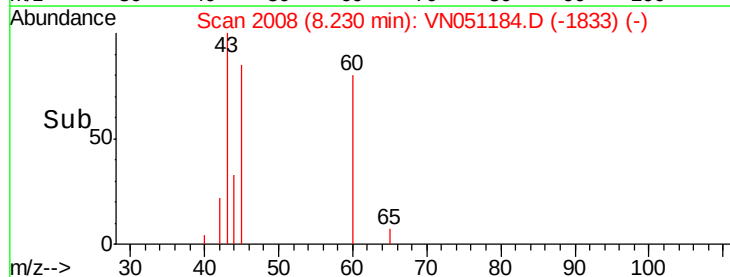
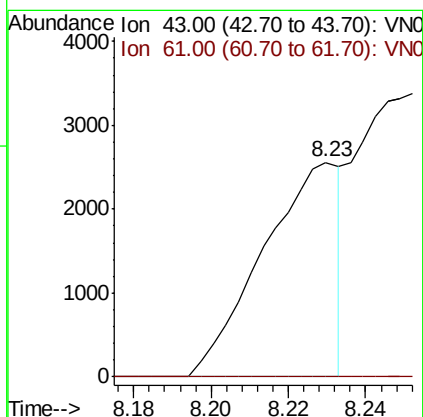
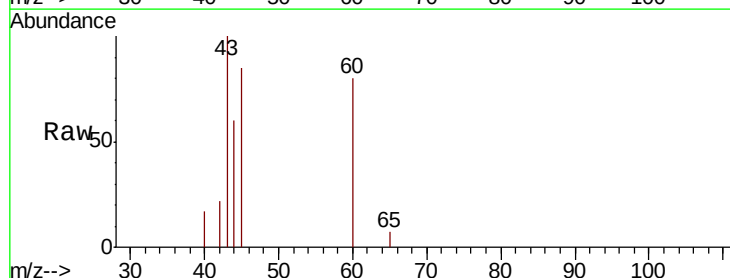
Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-128(2)

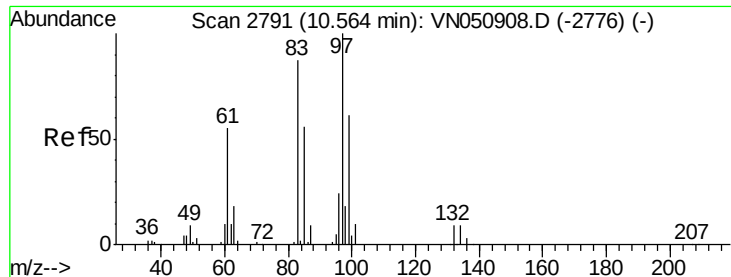
Tot Ion:114 Resp: 490298
 Ion Ratio Lower Upper
 114 100
 63 18.6 15.6 23.4
 88 14.6 12.2 18.4



#44
 Isopropyl Acetate
 Concen: 0.44 ug/l
 RT: 8.23 min Scan# 2008
 Delta R.T. 0.06 min
 Lab File: VN051184.D
 Acq: 14 Sep 2018 12:44

Tgt Ion: 43 Resp: 3557
 Ion Ratio Lower Upper
 43 100
 61 48.4 16.3 24.5#

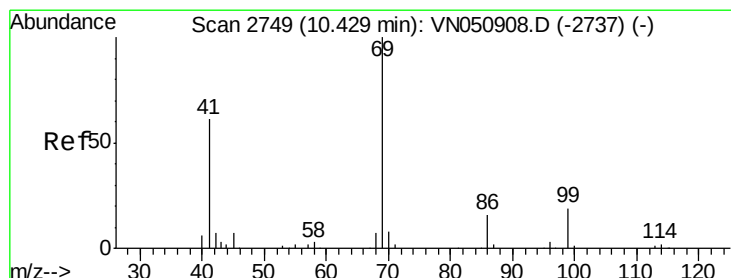
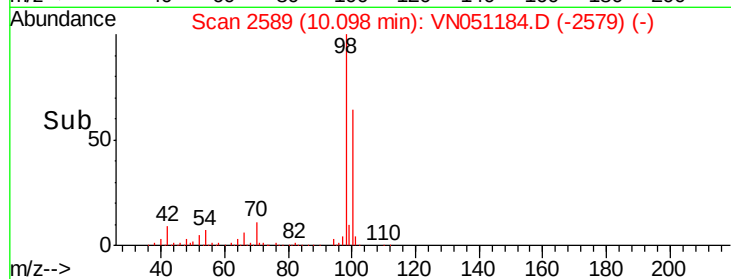
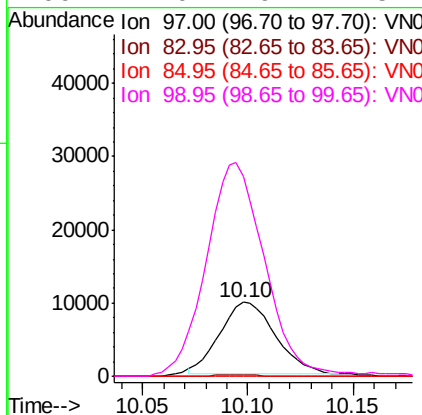
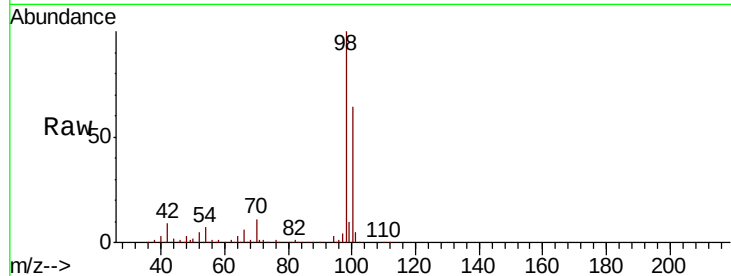




#50
 1,1,2-Trichloroethane
 Concen: 3.48 ug/l
 RT: 10.10 min Scan# 2589
 Delta R.T. -0.47 min
 Lab File: VN051184.D
 Acq: 14 Sep 2018 12:44

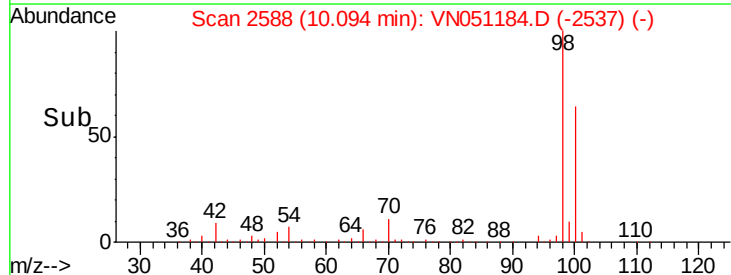
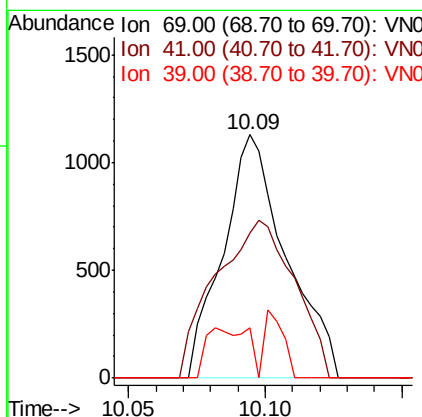
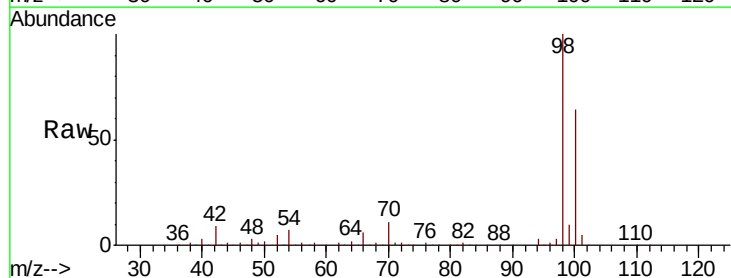
Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-128(2)

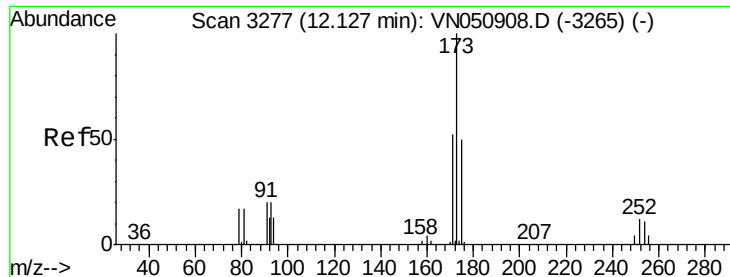
Tot Ion	97	Resp	18044
Ion Ratio	Lower	Upper	
97	100		
83	2.5	69.8	104.6#
85	0.0	45.0	67.6#
99	271.0	49.1	73.7#



#51
 Ethyl methacrylate
 Concen: 0.29 ug/l
 RT: 10.09 min Scan# 2588
 Delta R.T. -0.33 min
 Lab File: VN051184.D
 Acq: 14 Sep 2018 12:44

Tgt Ion	69	Resp	1817
Ion Ratio	Lower	Upper	
69	100		
41	59.6	30.5	91.5
39	20.4	15.3	45.8





#56

Bromoform

Concen: 0.29 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051184.D

Acq: 14 Sep 2018 12:44

Instrument :

MSVOA_N

ClientSampled :

CBH-128(2)

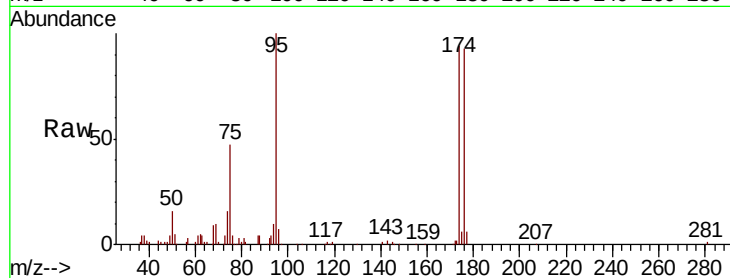
Tot Ion:173 Resp: 1224

Ion Ratio Lower Upper

173 100

175 631.1 39.2 58.8#

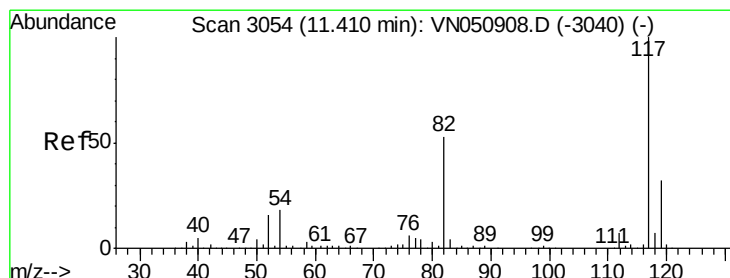
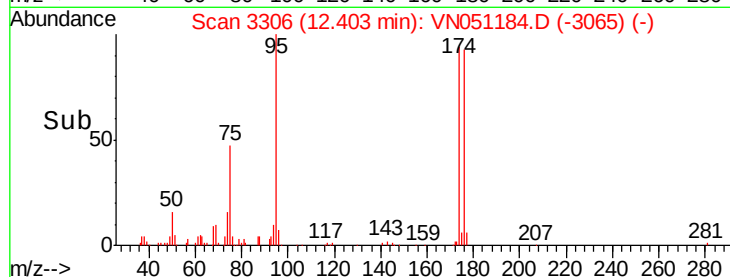
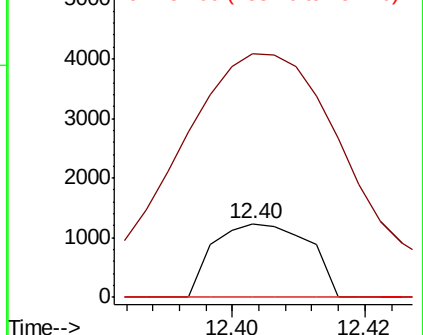
254 0.0 9.0 13.6#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN051184.D

Acq: 14 Sep 2018 12:44

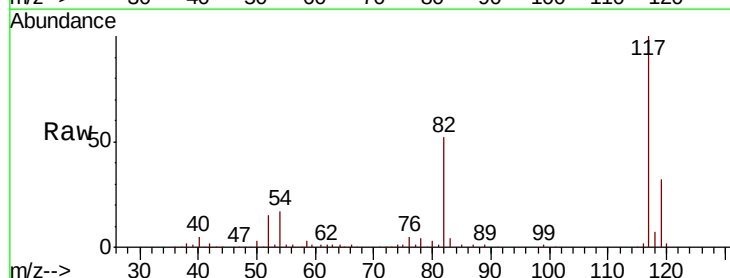
Tgt Ion:117 Resp: 394388

Ion Ratio Lower Upper

117 100

82 52.6 42.6 64.0

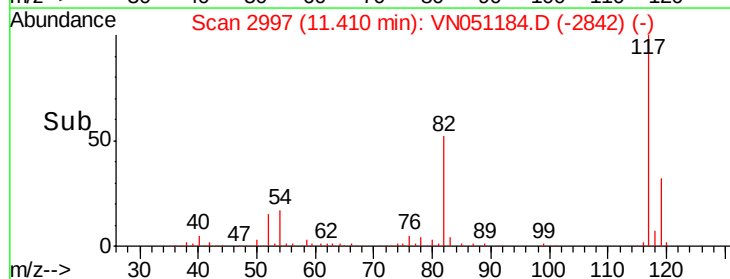
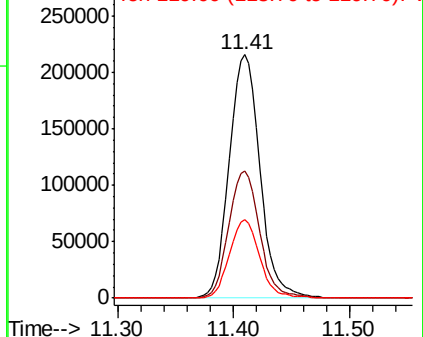
119 31.8 25.7 38.5

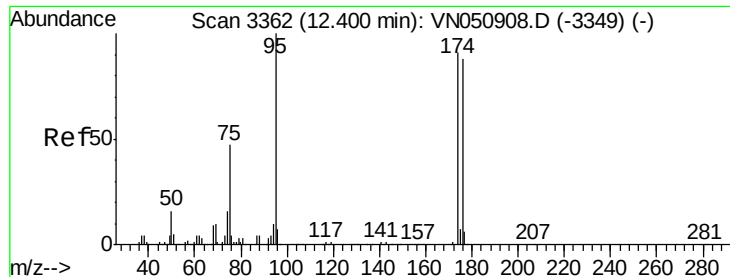


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 19.60 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051184.D

Acq: 14 Sep 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

CBH-128(2)

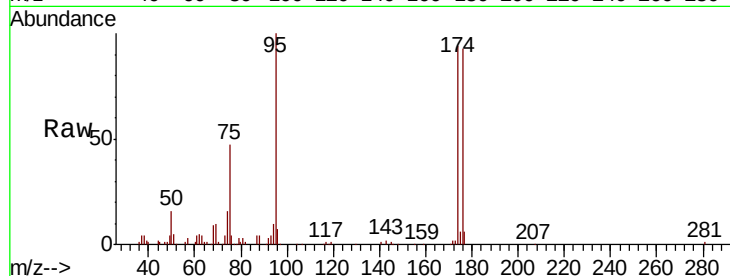
Tot Ion: 95 Resp: 114955

Ion Ratio Lower Upper

95 100

174 95.5 74.6 112.0

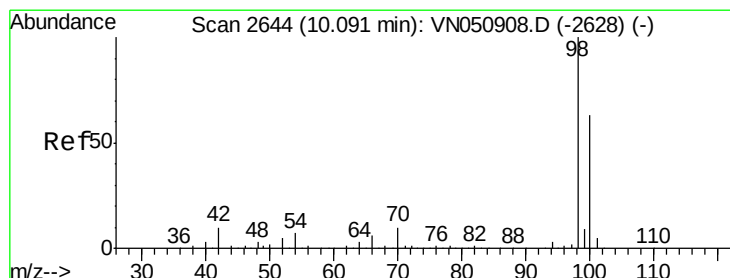
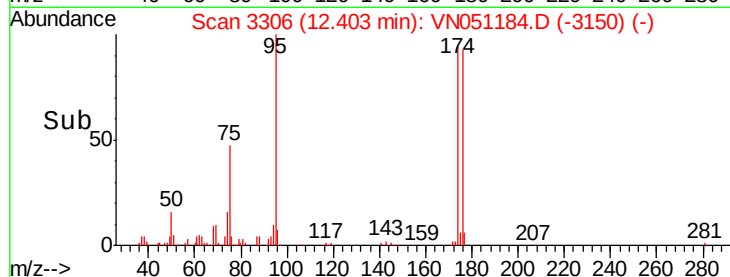
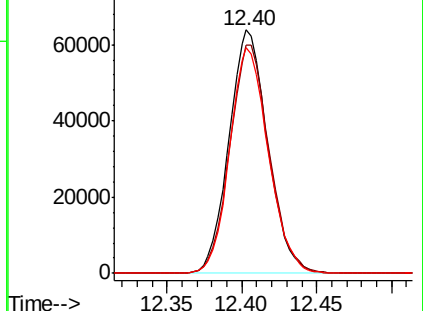
176 92.5 71.5 107.3



Abundance Ion 95.00 (94.70 to 95.70): VN050908.D (-3349) (-)

Ion 174.00 (173.70 to 174.70): VN050908.D (-3349) (-)

Ion 176.00 (175.70 to 176.70): VN050908.D (-3349) (-)



#63

Toluene-d8

Concen: 30.59 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051184.D

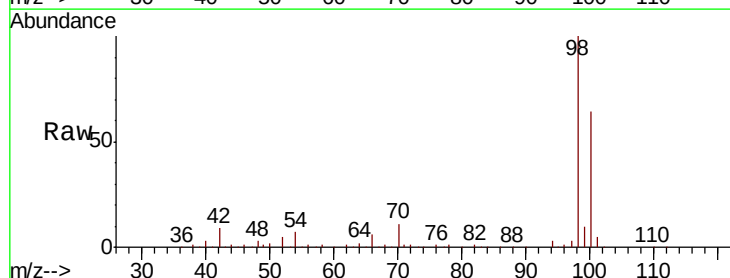
Acq: 14 Sep 2018 12:44

Tgt Ion: 98 Resp: 562566

Ion Ratio Lower Upper

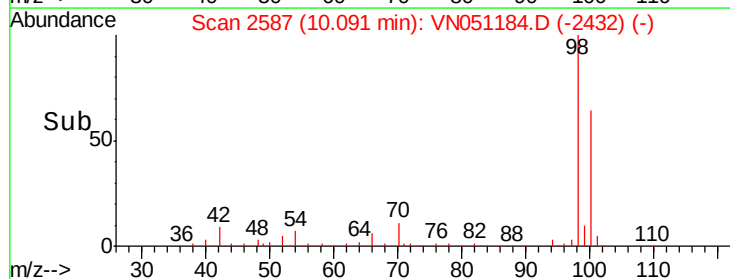
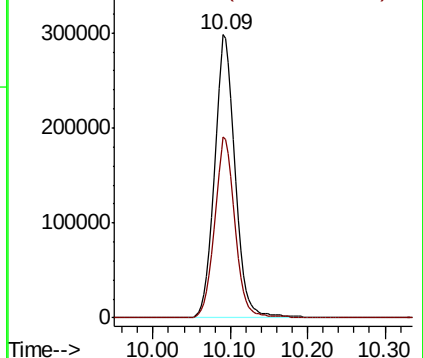
98 100

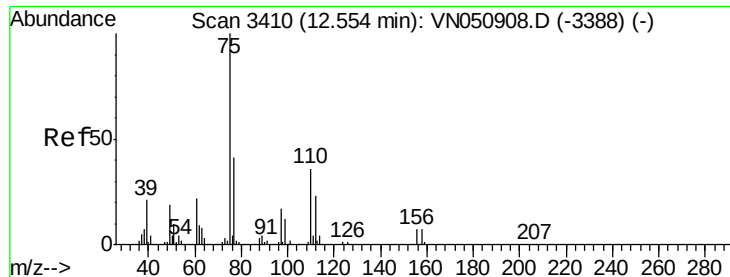
100 63.0 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN050908.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050908.D (-2628) (-)





#72

1,2,3-Trichloropropane

Concen: 10.38 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051184.D

Acq: 14 Sep 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

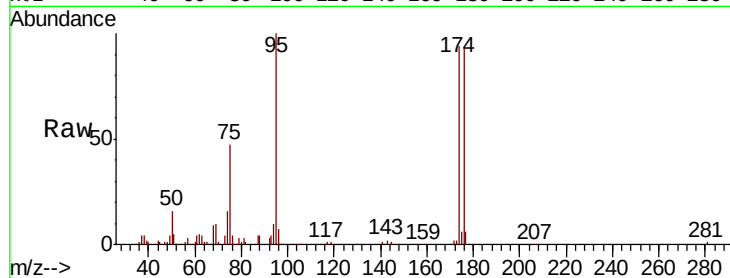
CBH-128(2)

Tot Ion: 75 Resp: 53969

Ion Ratio Lower Upper

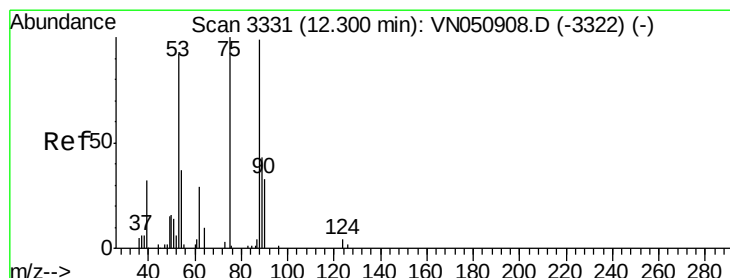
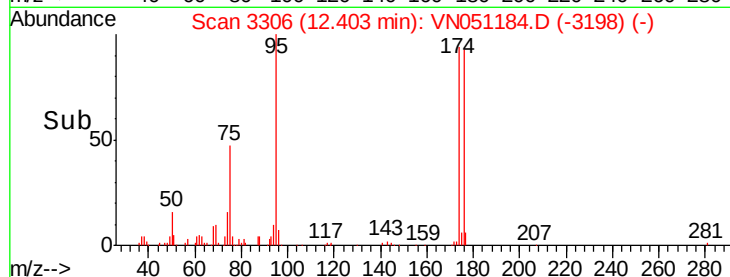
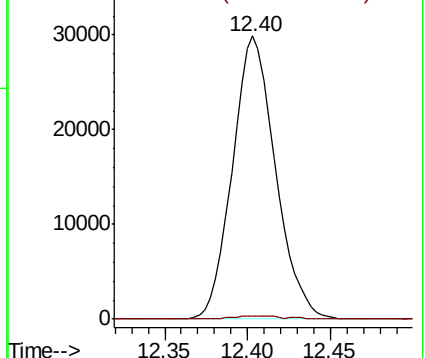
75 100

77 1.1 0.0 301.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

t-1,4-Dichloro-2-butene

Concen: 36.42 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051184.D

Acq: 14 Sep 2018 12:44

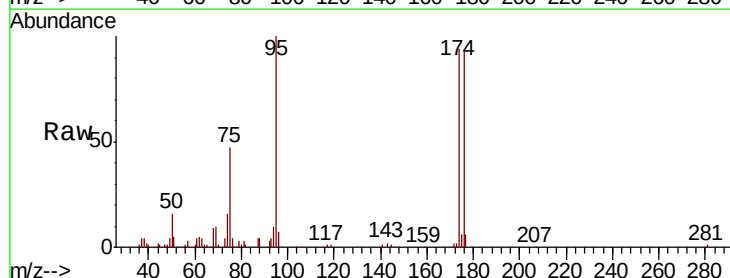
Tgt Ion: 75 Resp: 53969

Ion Ratio Lower Upper

75 100

53 0.0 45.5 136.4#

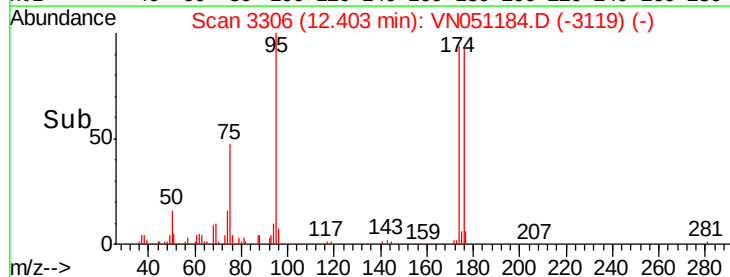
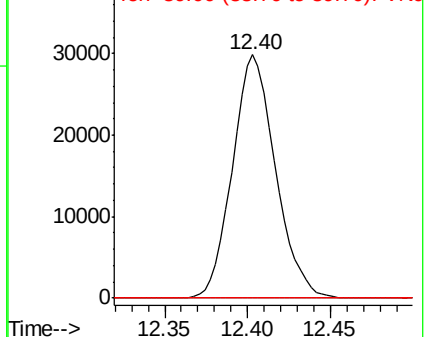
89 0.0 21.9 65.8#

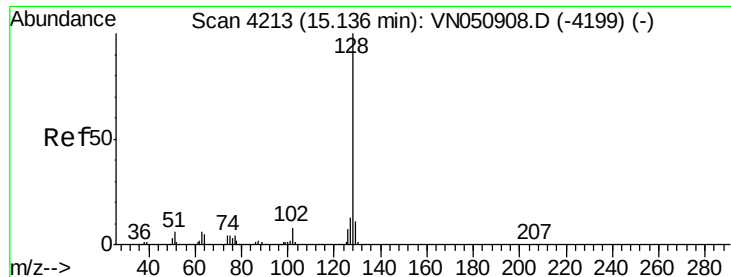


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0





#91

Naphthalene

Concen: 8.61 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051184.D

Acq: 14 Sep 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

CBH-128(2)

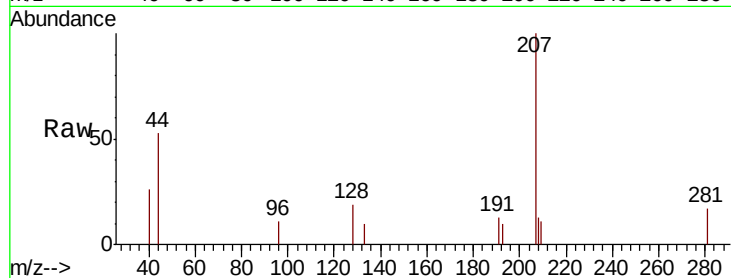
Tot Ion:128 Resp: 411

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

