

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051187.D
 Acq On : 14 Sep 2018 13:58
 Operator : MD\SY
 Sample : J4907-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-139(5)

Quant Time: Sep 14 23:39:40 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	101504	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	488755	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	388159	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	189145	29.20	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.33%
60) 4-Bromofluorobenzene	12.40	95	109685	19.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	63.33%
63) Toluene-d8	10.09	98	552715	30.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.77%

Target Compounds

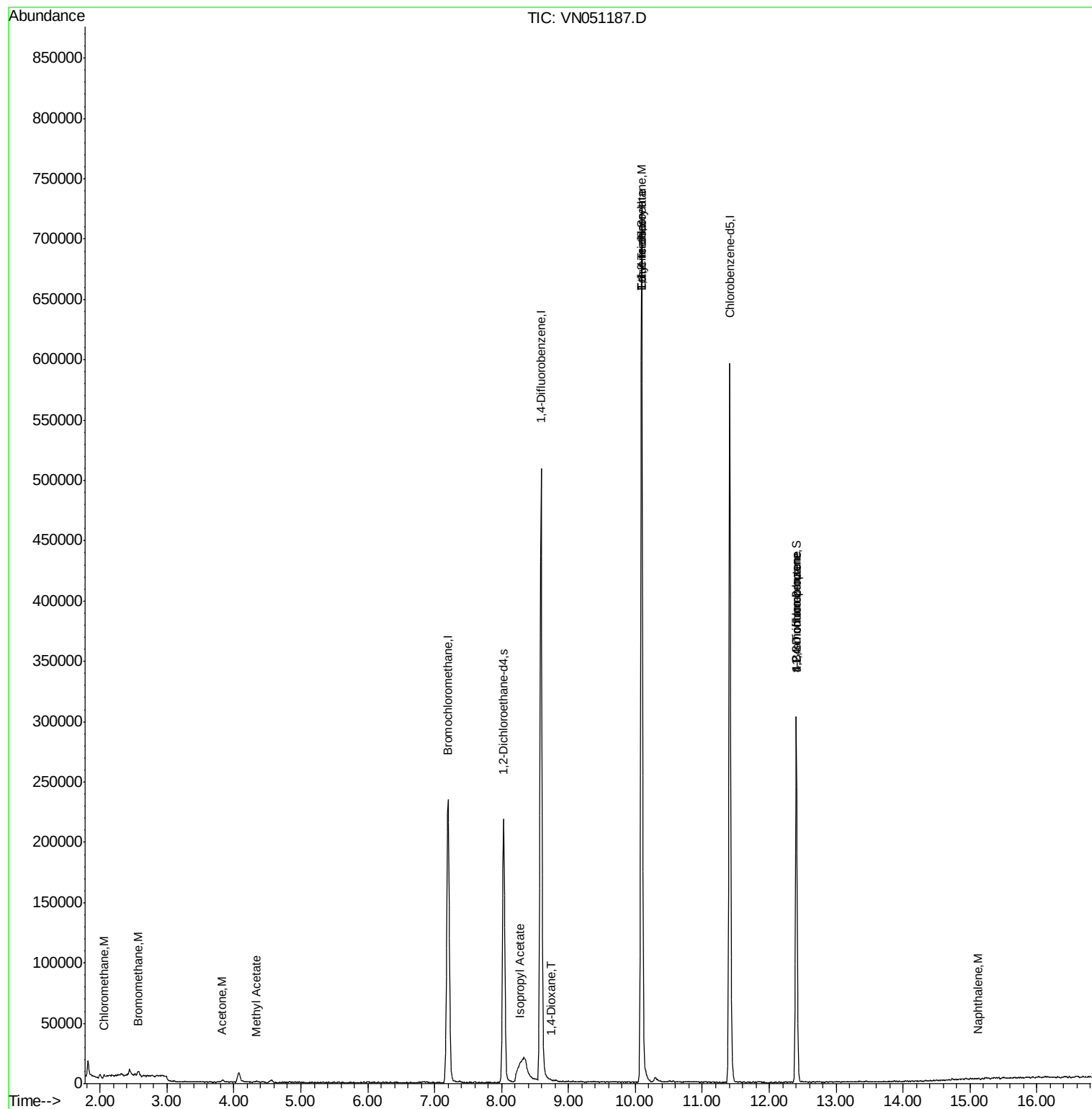
					Ovalue
3) Chloromethane	2.06	50	1973	0.27 ug/l	93
5) Bromomethane	2.57	94	1390	0.31 ug/l #	78
12) Methyl Acetate	4.34	43	1442	0.23 ug/l #	84
15) Acetone	3.83	58	261	0.48 ug/l #	14
44) Isopropyl Acetate	8.27	43	12665	1.56 ug/l #	58
45) 1,4-Dioxane	8.75	88	67	1.11 ug/l #	1
50) 1,1,2-Trichloroethane	10.10	97	17153	3.31 ug/l #	1
51) Ethyl methacrylate	10.10	69	1750	0.28 ug/l #	81
72) 1,2,3-Trichloropropane	12.40	75	51250	10.01 ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	51250	35.14 ug/l #	13
91) Naphthalene	15.13	128	197	8.59 ug/l #	69

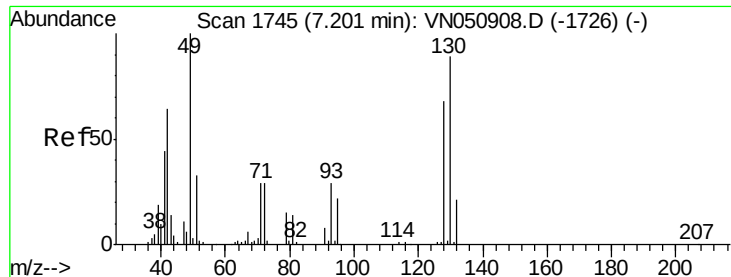
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051187.D

Acq: 14 Sep 2018 13:58

Instrument :

MSVOA_N

ClientSampled :

CBH-139(5)

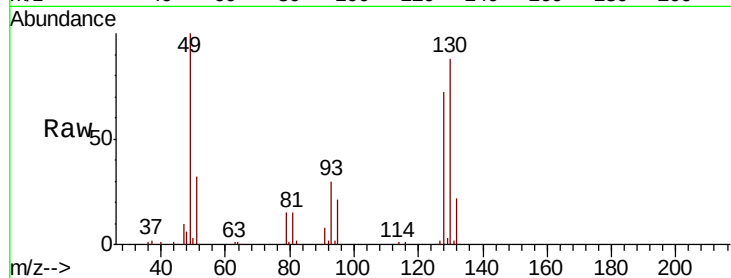
Tot Ion:128 Resp: 101504

Ion Ratio Lower Upper

128 100

49 140.5 0.0 380.3

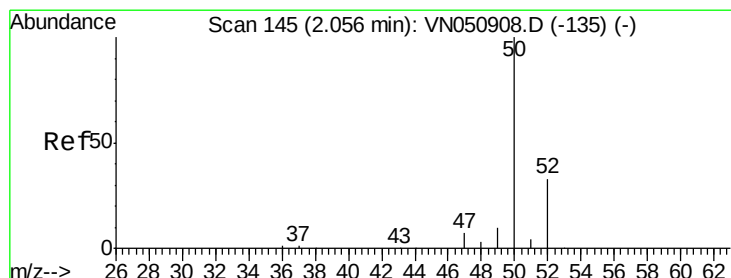
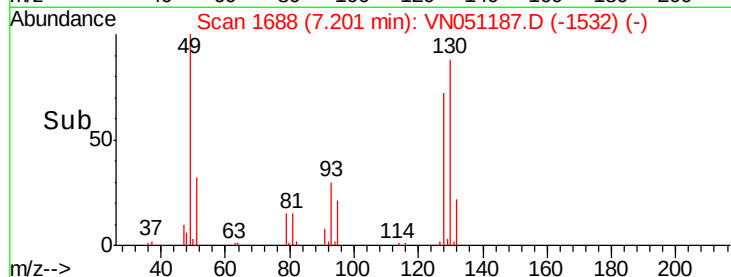
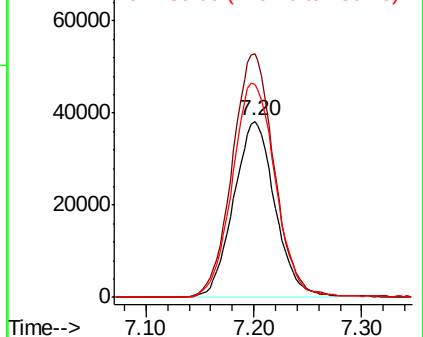
130 126.9 0.0 325.3



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: 0.27 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051187.D

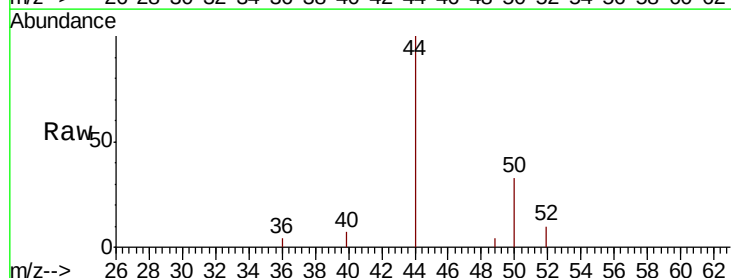
Acq: 14 Sep 2018 13:58

Tgt Ion: 50 Resp: 1973

Ion Ratio Lower Upper

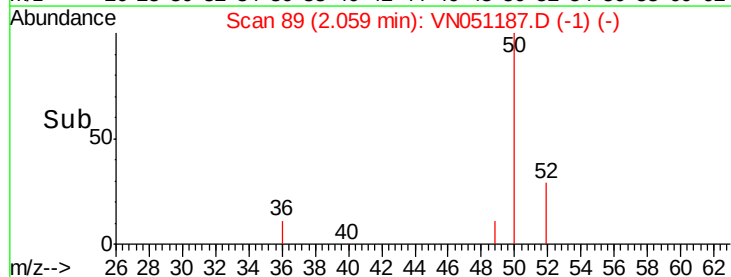
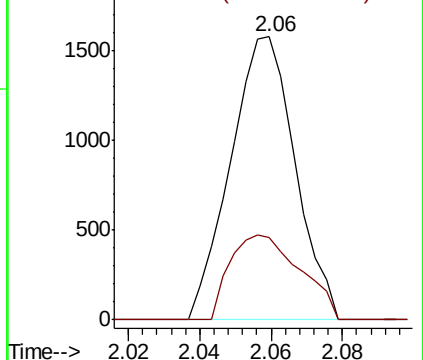
50 100

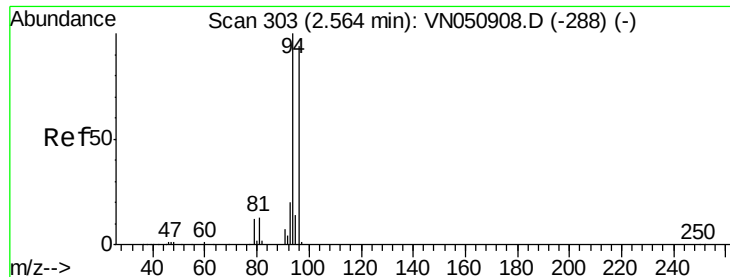
52 28.9 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#5

Bromomethane

Concen: 0.31 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051187.D

Acq: 14 Sep 2018 13:58

Instrument :

MSVOA_N

ClientSampled :

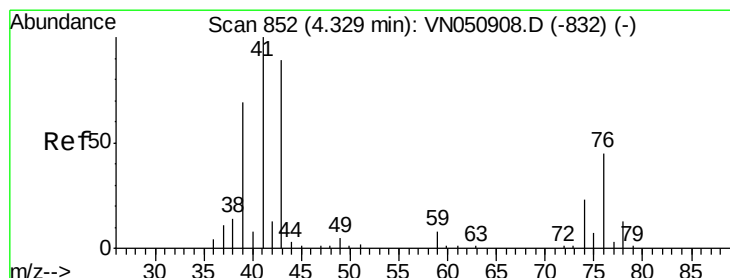
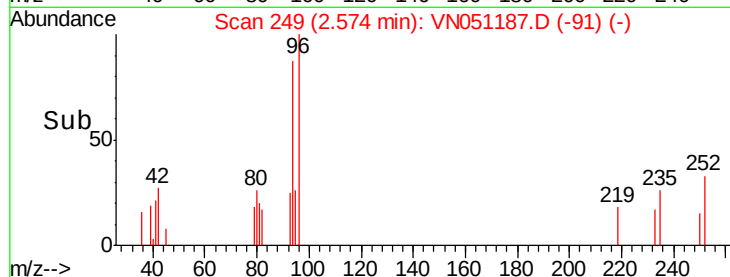
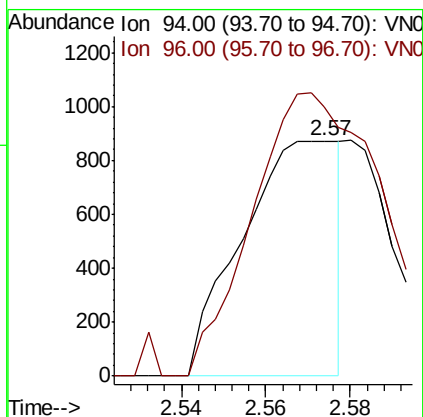
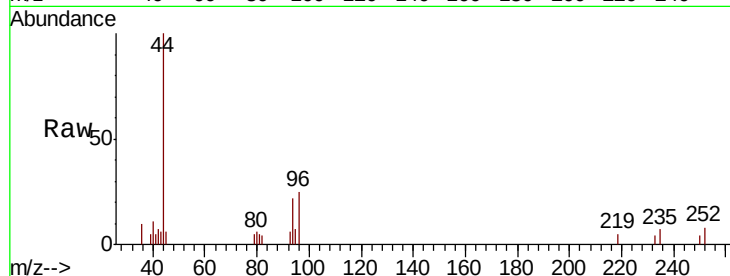
CBH-139(5)

Tot Ion: 94 Resp: 1390

Ion Ratio Lower Upper

94 100

96 114.7 74.9 112.3#



#12

Methyl Acetate

Concen: 0.23 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051187.D

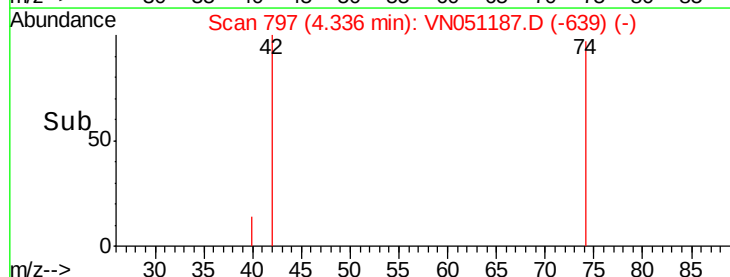
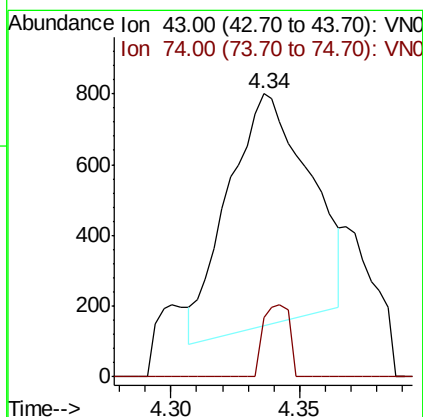
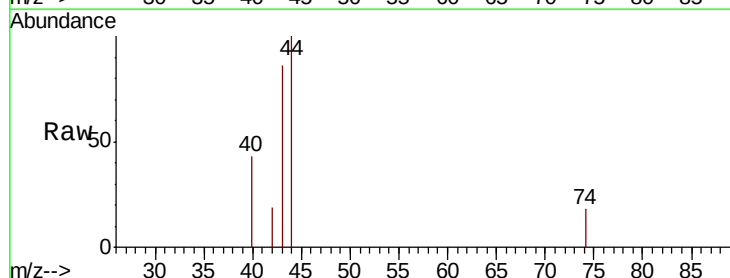
Acq: 14 Sep 2018 13:58

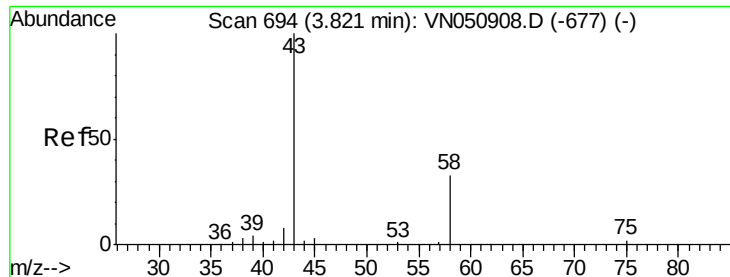
Tgt Ion: 43 Resp: 1442

Ion Ratio Lower Upper

43 100

74 33.9 20.6 31.0#





#15

Acetone

Concen: 0.48 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051187.D

Acq: 14 Sep 2018 13:58

Instrument :

MSVOA_N

ClientSampled :

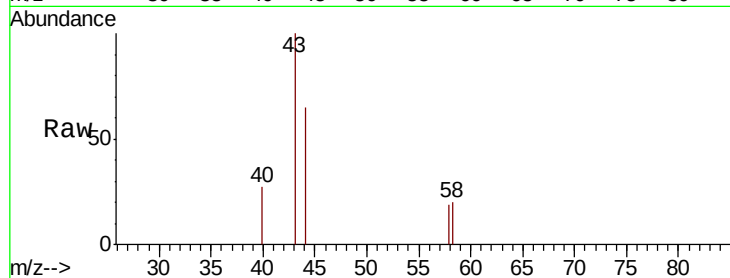
CBH-139(5)

Tot Ion: 58 Resp: 261

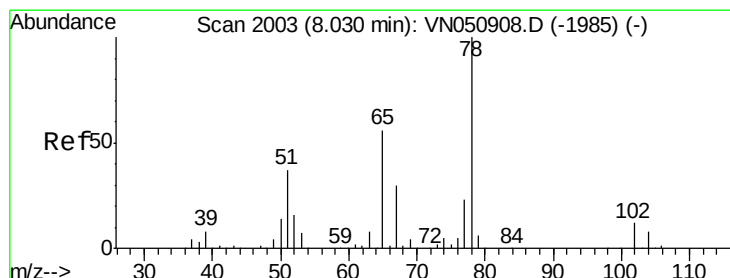
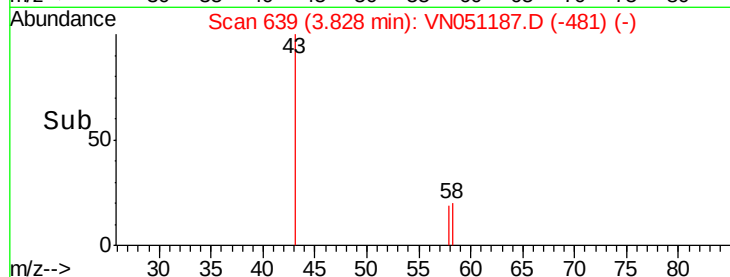
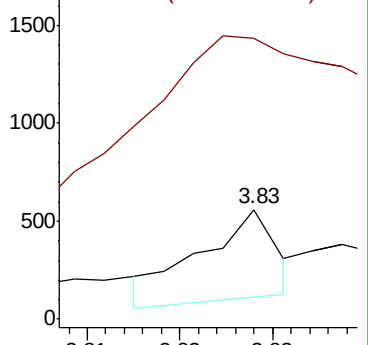
Ion Ratio Lower Upper

58 100

43 131.7 239.4 359.0#



Abundance Ion 58.00 (57.70 to 58.70): VN050908.D (-677) (-)



#27

1,2-Dichloroethane-d4

Concen: 29.20 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.00 min

Lab File: VN051187.D

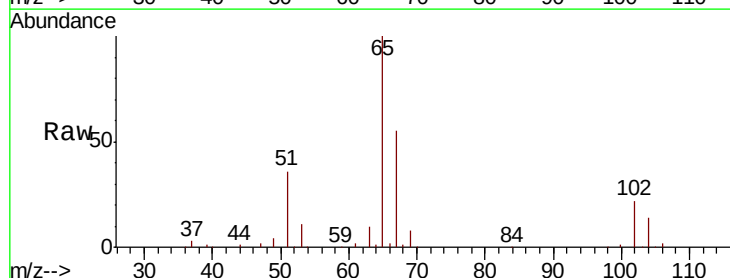
Acq: 14 Sep 2018 13:58

Tgt Ion: 65 Resp: 189145

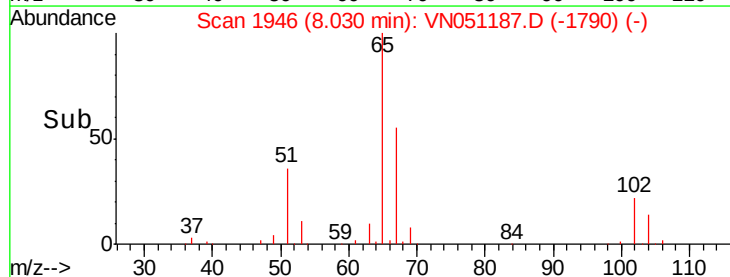
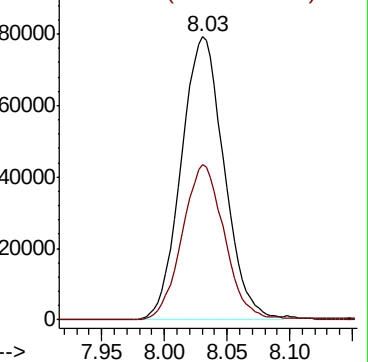
Ion Ratio Lower Upper

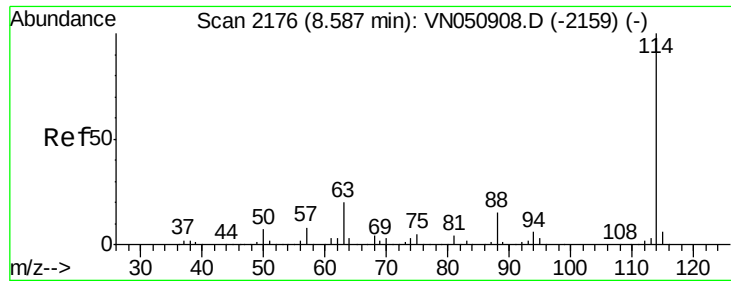
65 100

67 54.0 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN050908.D (-1985) (-)

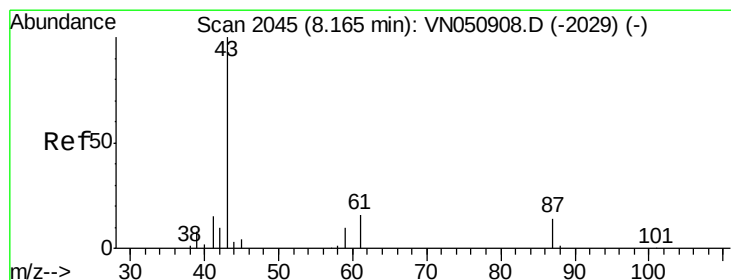
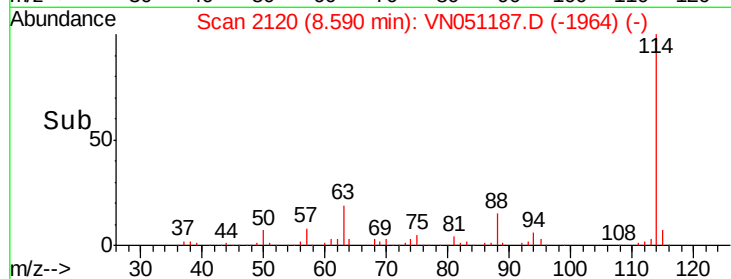
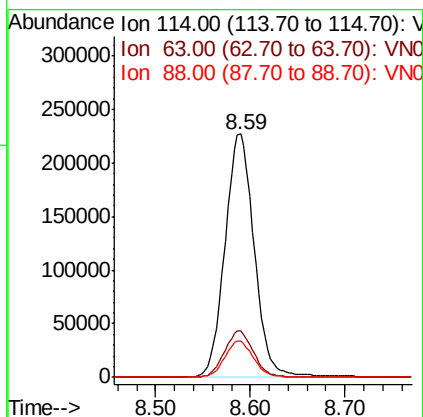
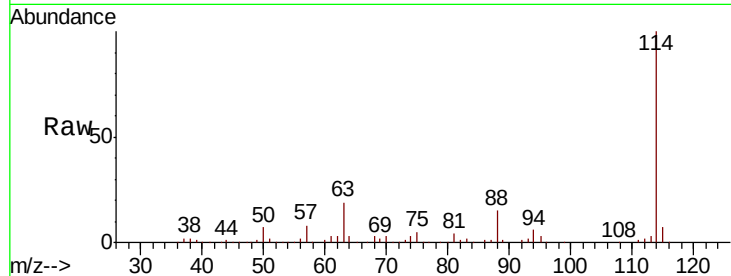




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051187.D
 Acq: 14 Sep 2018 13:58

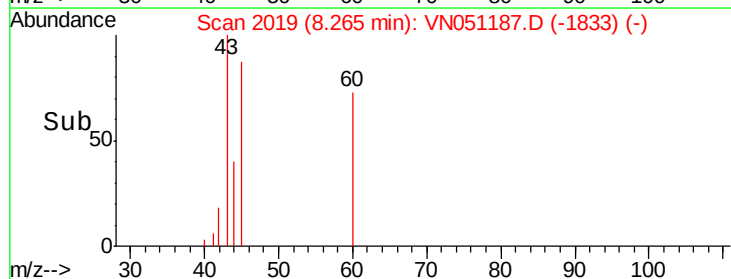
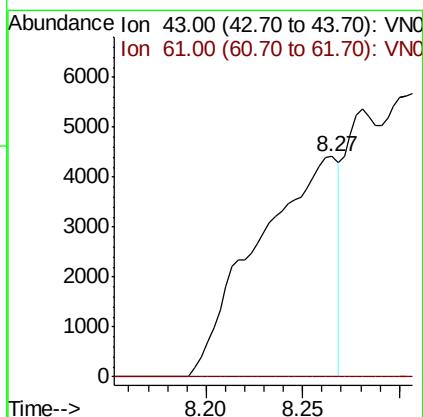
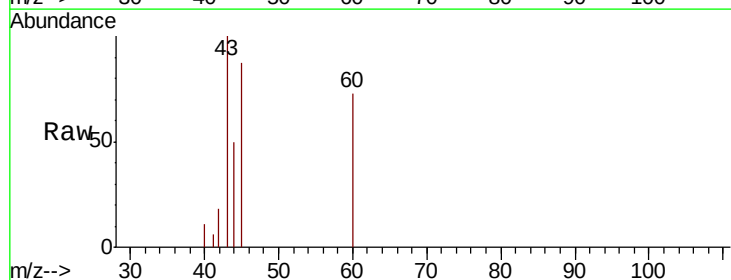
Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-139(5)

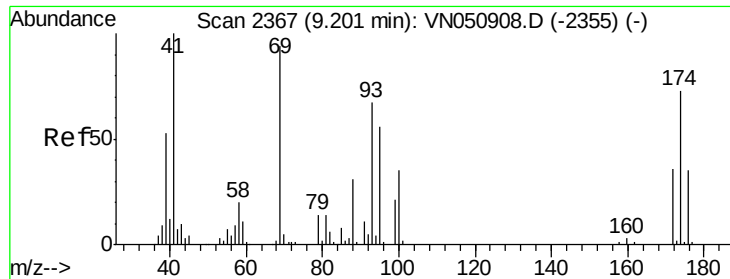
Tot Ion:114 Resp: 488755
 Ion Ratio Lower Upper
 114 100
 63 18.9 15.6 23.4
 88 14.7 12.2 18.4



#44
 Isopropyl Acetate
 Concen: 1.56 ug/l
 RT: 8.27 min Scan# 2019
 Delta R.T. 0.10 min
 Lab File: VN051187.D
 Acq: 14 Sep 2018 13:58

Tgt Ion: 43 Resp: 12665
 Ion Ratio Lower Upper
 43 100
 61 0.8 16.3 24.5#

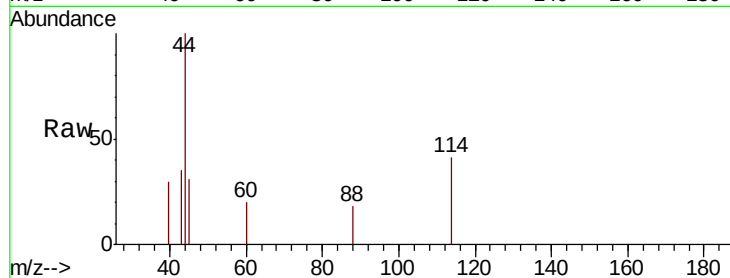




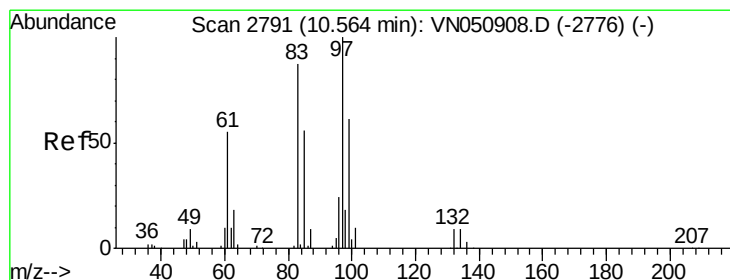
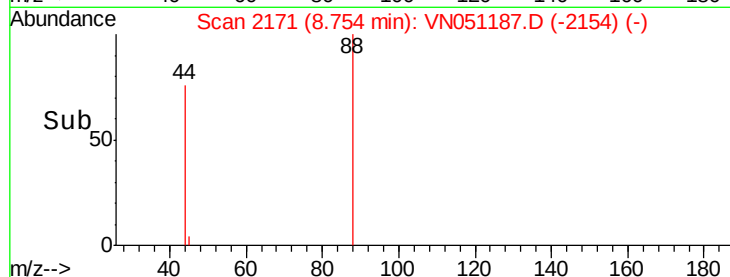
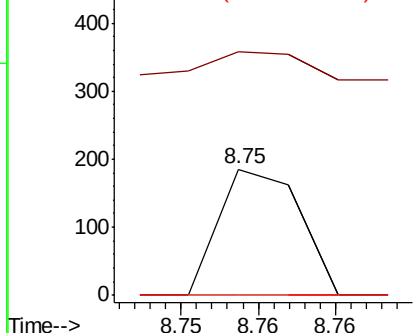
#45
 1,4-Dioxane
 Concen: 1.11 ug/l
 RT: 8.75 min Scan# 2171
 Delta R.T. -0.45 min
 Lab File: VN051187.D
 Acq: 14 Sep 2018 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-139(5)

Tot Ion: 88 Resp: 67
 Ion Ratio Lower Upper
 88 100
 43 217.9 23.5 35.3#
 58 0.0 55.2 82.8#

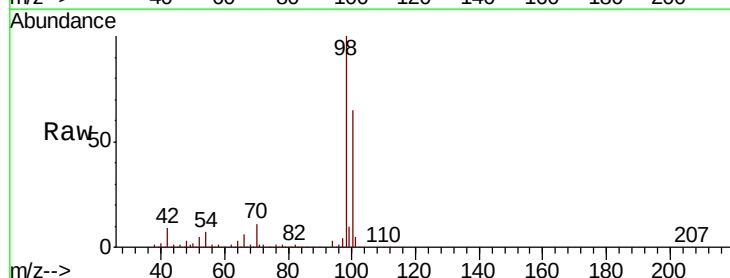


Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

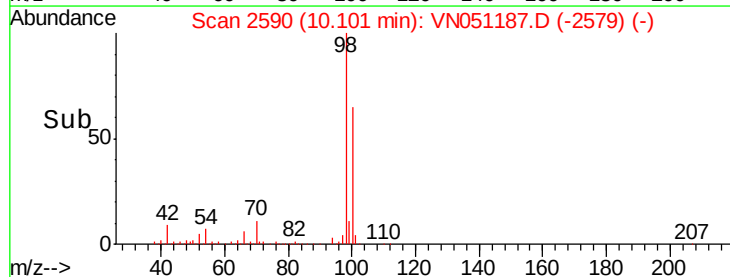
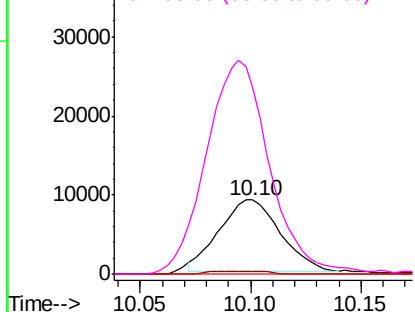


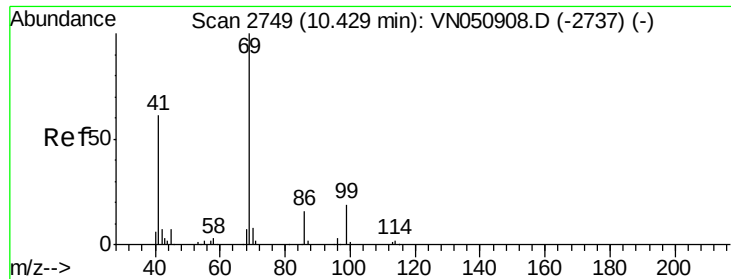
#50
 1,1,2-Trichloroethane
 Concen: 3.31 ug/l
 RT: 10.10 min Scan# 2590
 Delta R.T. -0.46 min
 Lab File: VN051187.D
 Acq: 14 Sep 2018 13:58

Tgt Ion: 97 Resp: 17153
 Ion Ratio Lower Upper
 97 100
 83 3.4 69.8 104.6#
 85 0.0 45.0 67.6#
 99 254.8 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

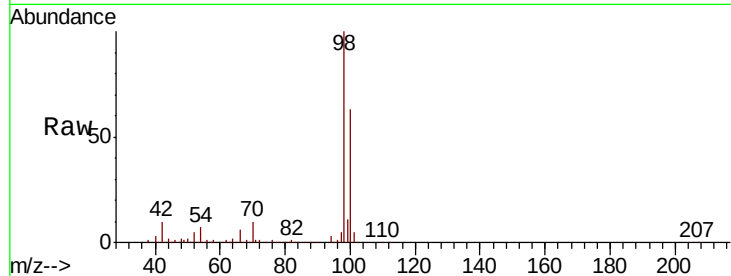




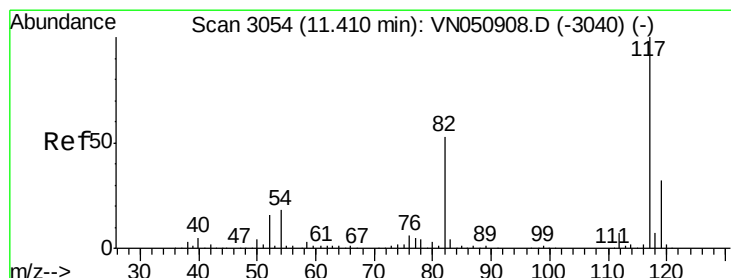
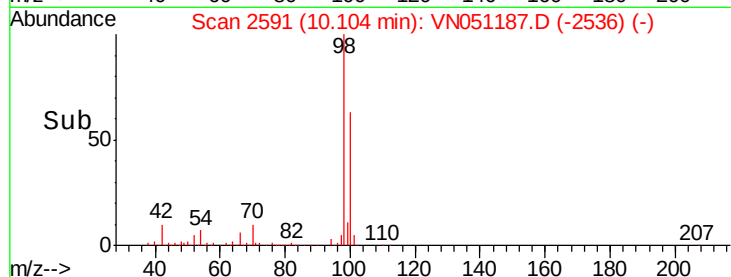
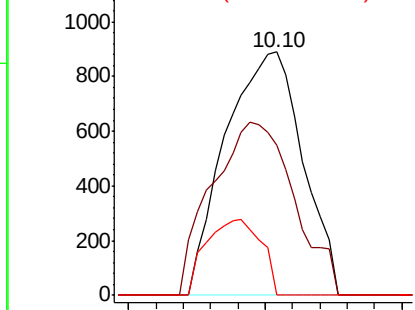
#51
Ethyl methacrylate
Concen: 0.28 ug/l
RT: 10.10 min Scan# 2591
Delta R.T. -0.32 min
Lab File: VN051187.D
Acq: 14 Sep 2018 13:58

Instrument :
MSVOA_N
ClientSampleId :
CBH-139(5)

Tot Ion: 69 Resp: 1750
Ion Ratio Lower Upper
69 100
41 61.6 30.5 91.5
39 0.0 15.3 45.8#

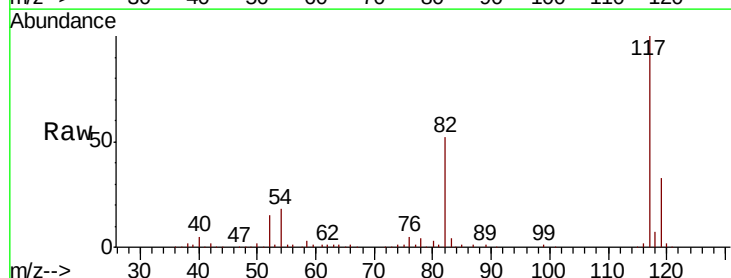


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

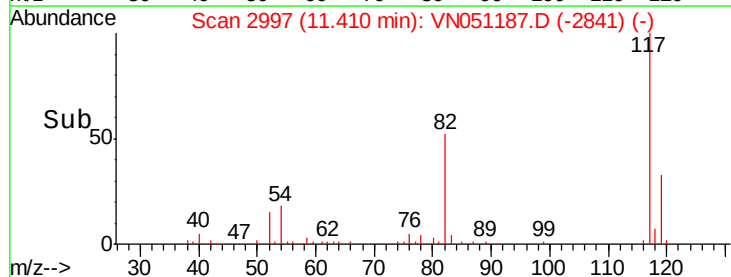
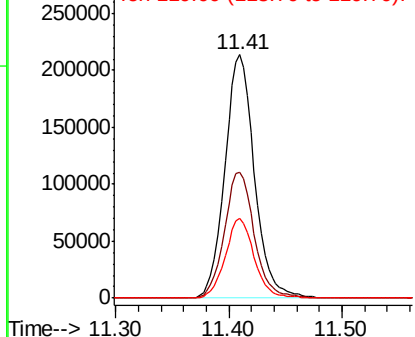


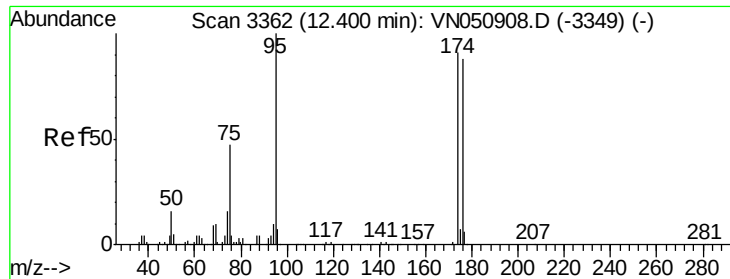
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051187.D
Acq: 14 Sep 2018 13:58

Tgt Ion: 117 Resp: 388159
Ion Ratio Lower Upper
117 100
82 52.3 42.6 64.0
119 32.2 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

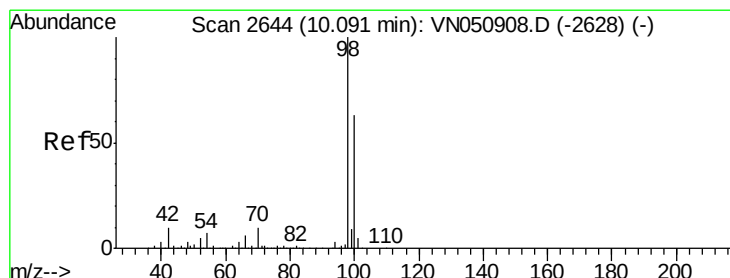
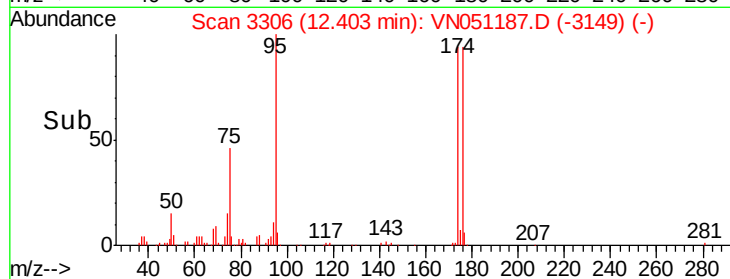
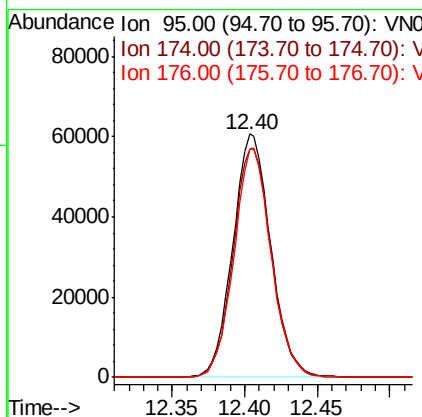
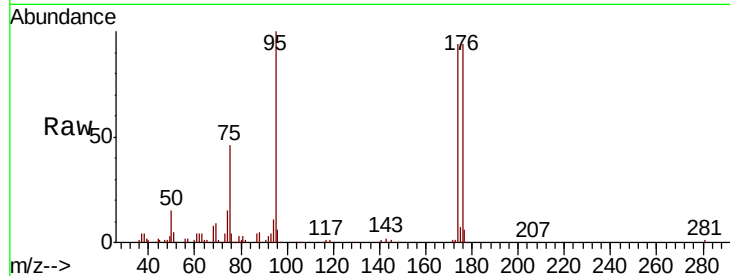




#60
 4-Bromofluorobenzene
 Concen: 19.00 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051187.D
 Acq: 14 Sep 2018 13:58

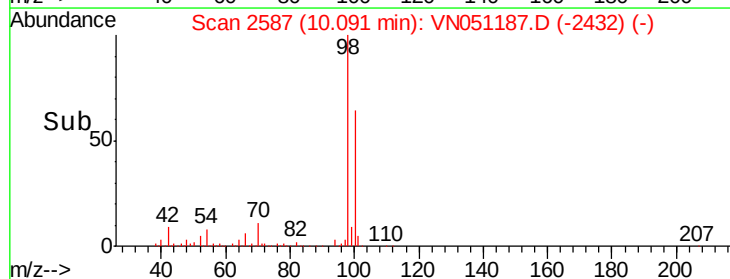
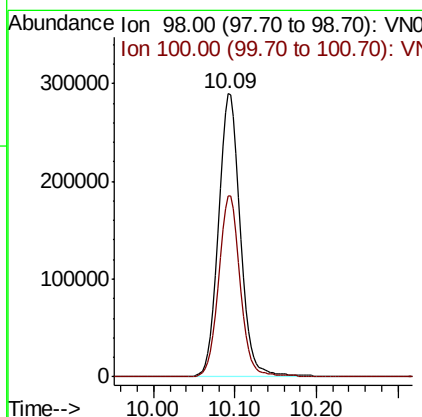
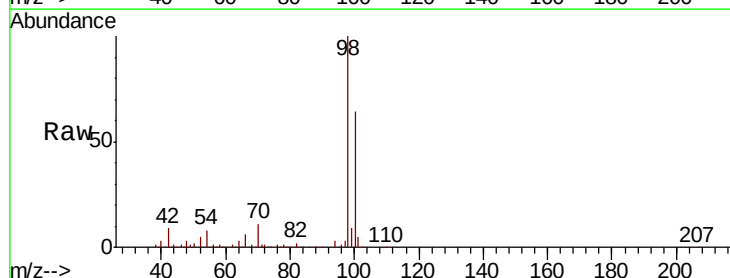
Instrument :
 MSVOA_N
 ClientSampled :
 CBH-139(5)

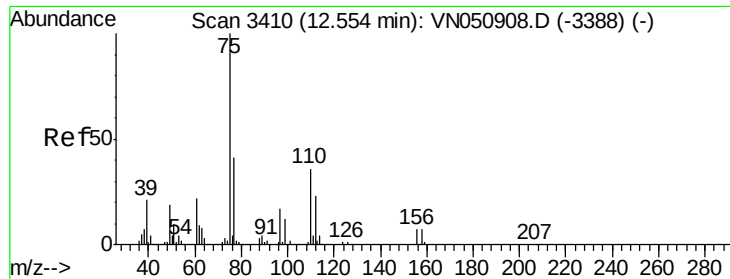
Tot Ion: 95 Resp: 109685
 Ion Ratio Lower Upper
 95 100
 174 95.9 74.6 112.0
 176 92.3 71.5 107.3



#63
 Toluene-d8
 Concen: 30.53 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051187.D
 Acq: 14 Sep 2018 13:58

Tgt Ion: 98 Resp: 552715
 Ion Ratio Lower Upper
 98 100
 100 62.7 50.6 75.8

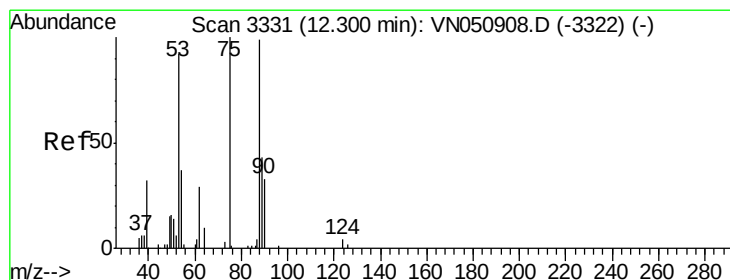
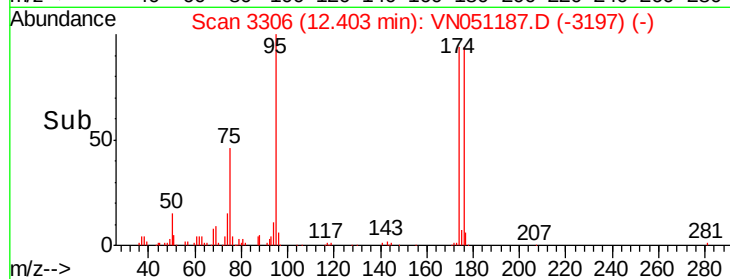
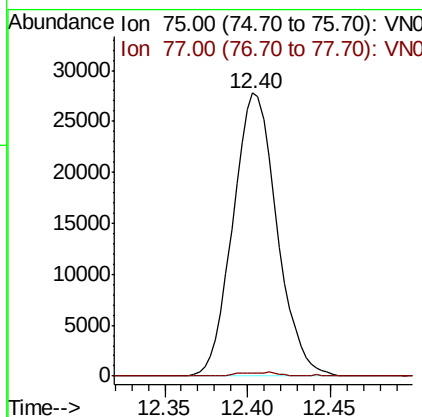
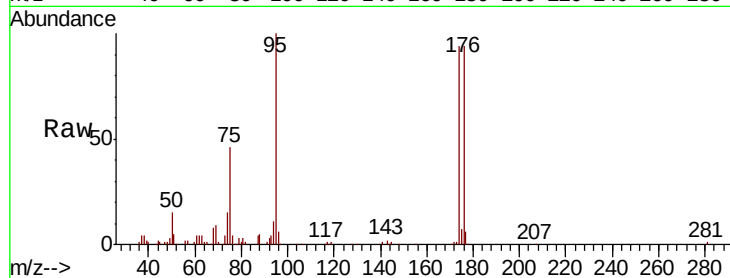




#72
 1,2,3-Trichloropropane
 Concen: 10.01 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN051187.D
 Acq: 14 Sep 2018 13:58

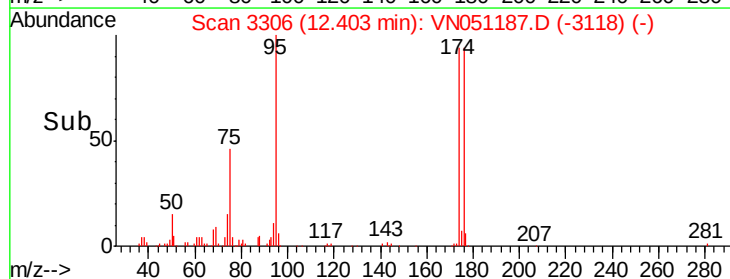
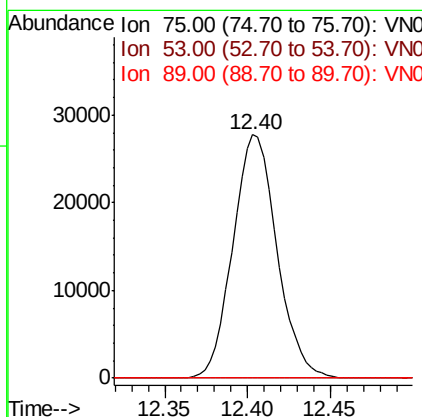
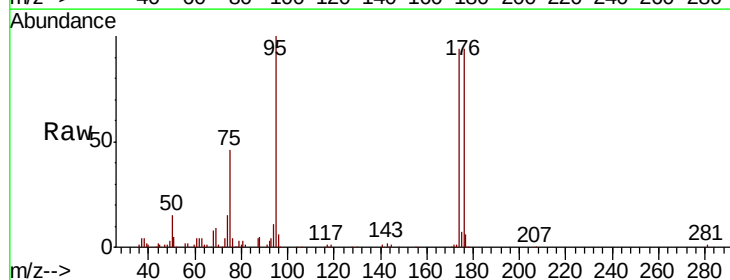
Instrument :
 MSVOA_N
 ClientSampled :
 CBH-139(5)

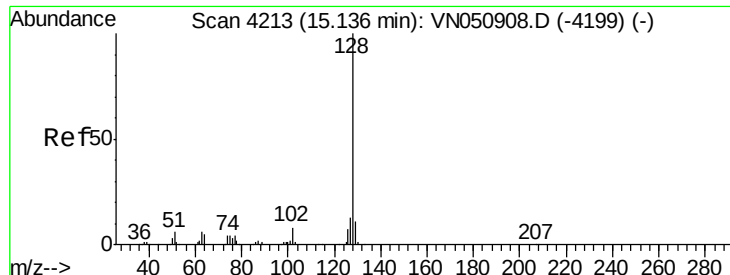
Tot Ion: 75 Resp: 51250
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 301.6



#77
 t-1,4-Dichloro-2-butene
 Concen: 35.14 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN051187.D
 Acq: 14 Sep 2018 13:58

Tgt Ion: 75 Resp: 51250
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.5 136.4#
 89 0.0 21.9 65.8#





#91

Naphthalene

Concen: 8.59 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.01 min

Lab File: VN051187.D

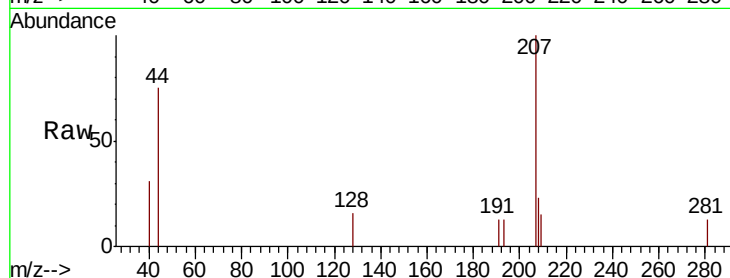
Acq: 14 Sep 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

CBH-139(5)



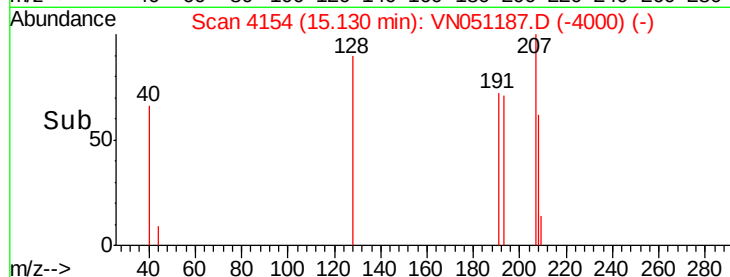
Tot Ion:128 Resp: 197

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

