

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051183.D
 Acq On : 14 Sep 2018 12:20
 Operator : MD\SY
 Sample : J4907-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-591(1)HOSE

Quant Time: Sep 14 23:38:59 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	103571	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	511242	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	412754	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	195902	29.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.80%
60) 4-Bromofluorobenzene	12.40	95	119642	19.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	64.97%
63) Toluene-d8	10.09	98	584997	30.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.30%

Target Compounds

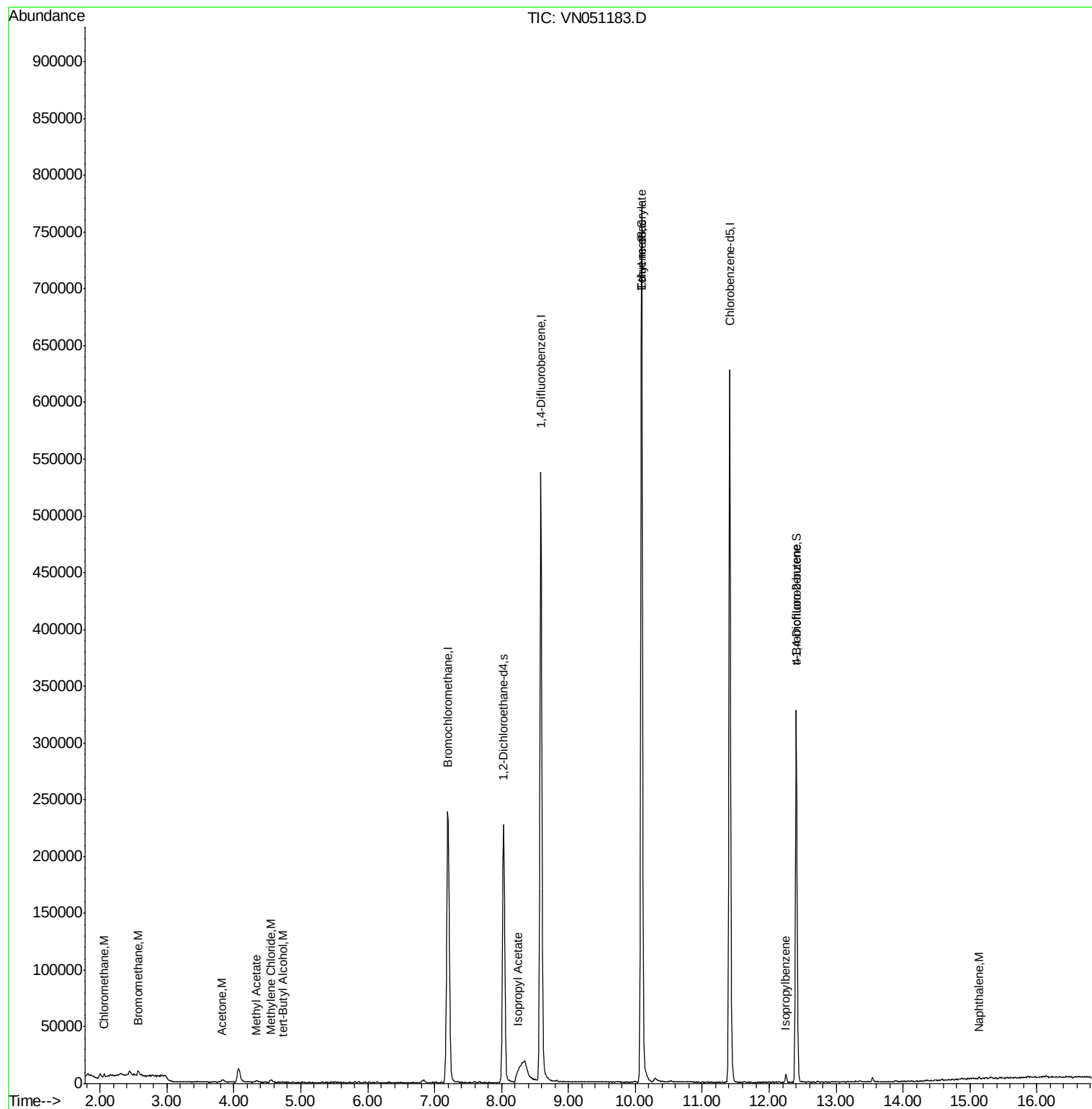
					Ovalue
3) Chloromethane	2.06	50	2461	0.32 ug/l	95
5) Bromomethane	2.57	94	2797	0.61 ug/l	95
12) Methyl Acetate	4.33	43	1698	0.26 ug/l	100
15) Acetone	3.81	58	174	0.31 ug/l #	25
18) Methylene Chloride	4.55	84	1767	0.27 ug/l	95
23) tert-Butyl Alcohol	4.74	59	103	0.22 ug/l #	100
44) Isopropyl Acetate	8.24	43	5354	0.63 ug/l #	1
51) Ethyl methacrylate	10.10	69	1892	0.29 ug/l	88
70) Isopropylbenzene	12.25	105	5200	0.22 ug/l	95
77) t-1,4-Dichloro-2-butene	12.40	75	54986	35.46 ug/l #	13
91) Naphthalene	15.14	128	1468	8.68 ug/l #	82

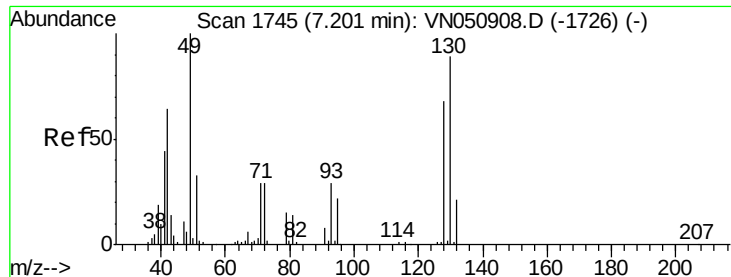
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1687

Delta R.T. -0.00 min

Lab File: VN051183.D

Acq: 14 Sep 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

CBH-591(1)HOSE

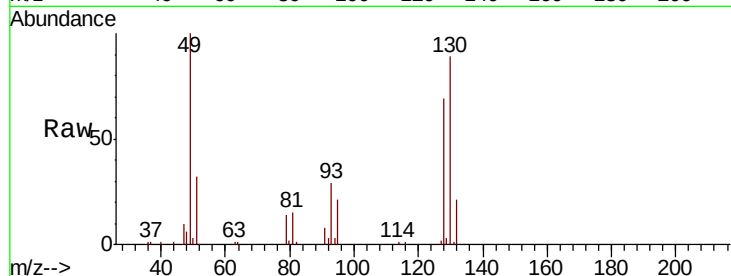
Tot Ion:128 Resp: 103571

Ion Ratio Lower Upper

128 100

49 143.5 0.0 380.3

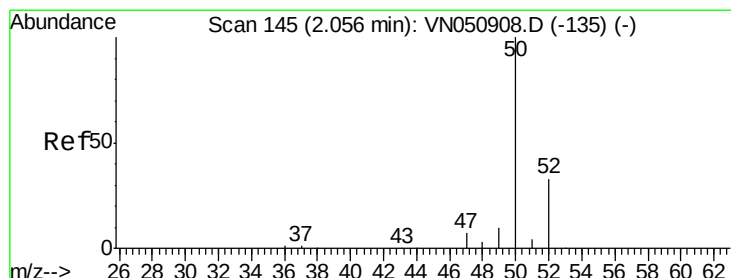
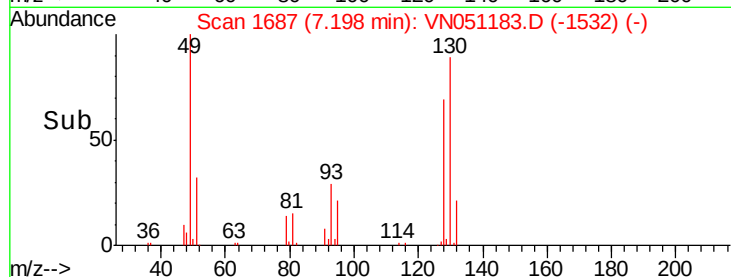
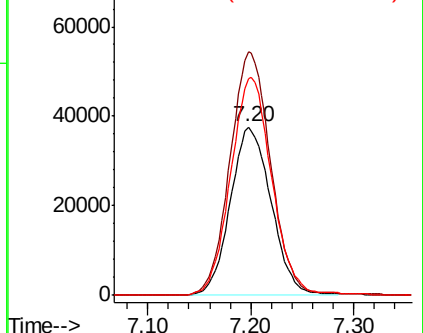
130 130.1 0.0 325.3



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: 0.32 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051183.D

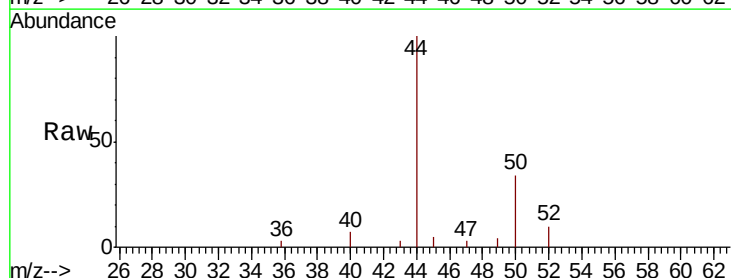
Acq: 14 Sep 2018 12:20

Tgt Ion: 50 Resp: 2461

Ion Ratio Lower Upper

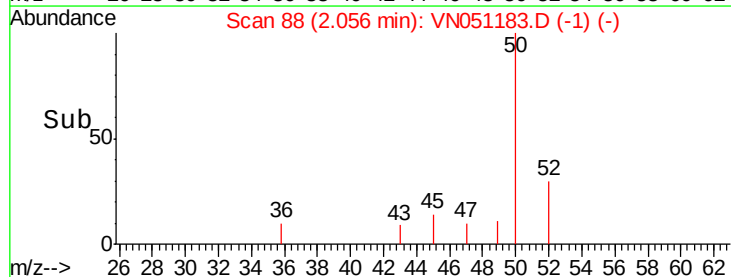
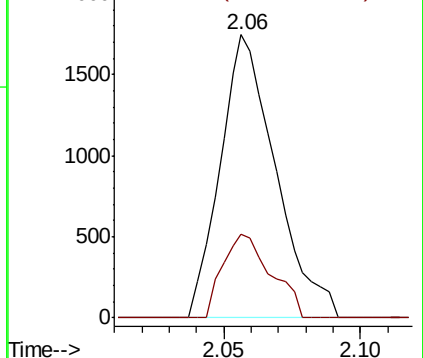
50 100

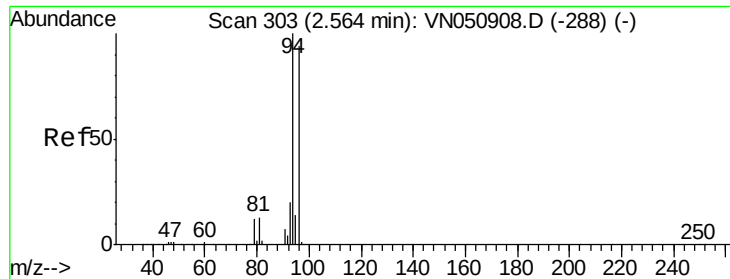
52 29.7 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#5

Bromomethane

Concen: 0.61 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051183.D

Acq: 14 Sep 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

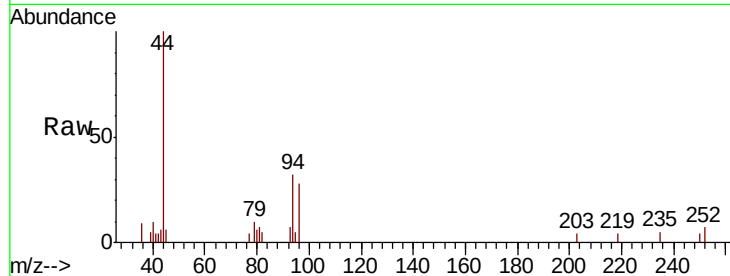
CBH-591(1)HOSE

Tot Ion: 94 Resp: 2797

Ion Ratio Lower Upper

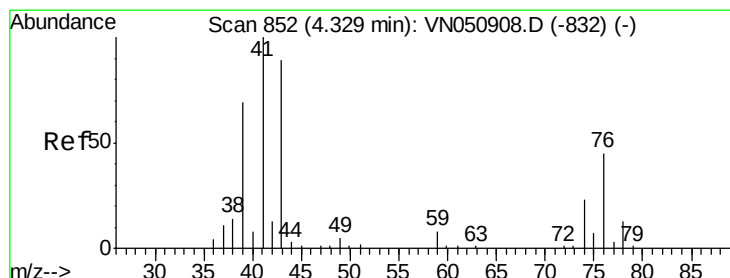
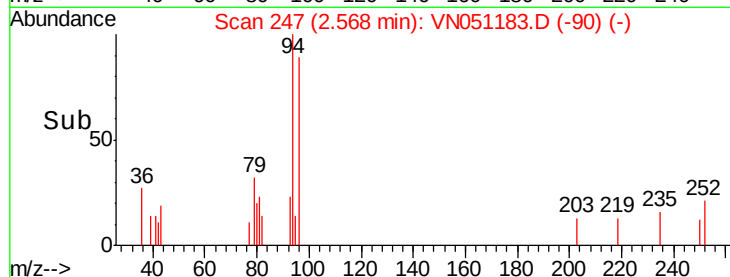
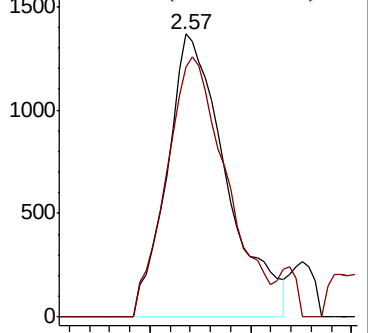
94 100

96 88.5 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: 0.26 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN051183.D

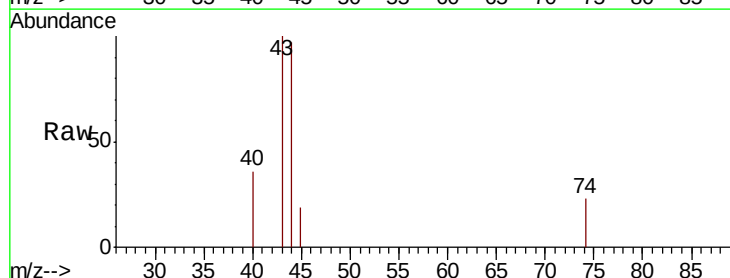
Acq: 14 Sep 2018 12:20

Tgt Ion: 43 Resp: 1698

Ion Ratio Lower Upper

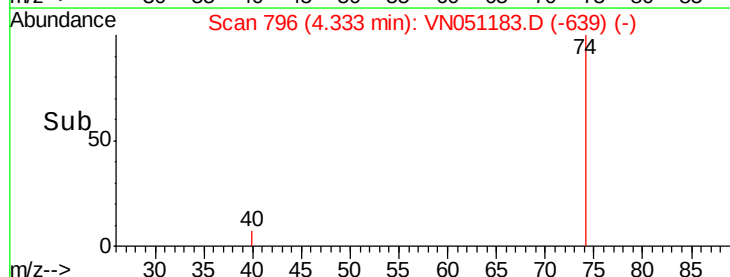
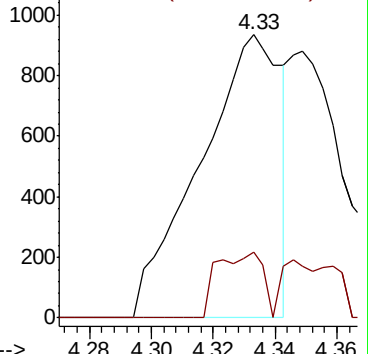
43 100

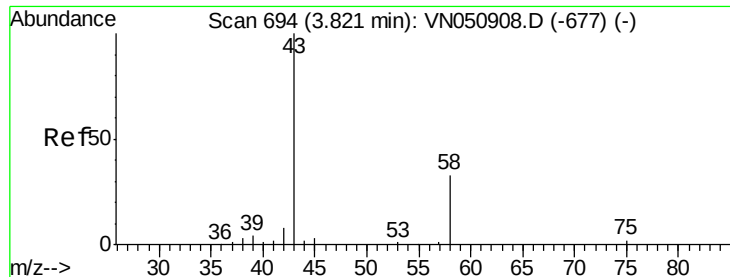
74 25.6 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#15

Acetone

Concen: 0.31 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN051183.D

Acq: 14 Sep 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

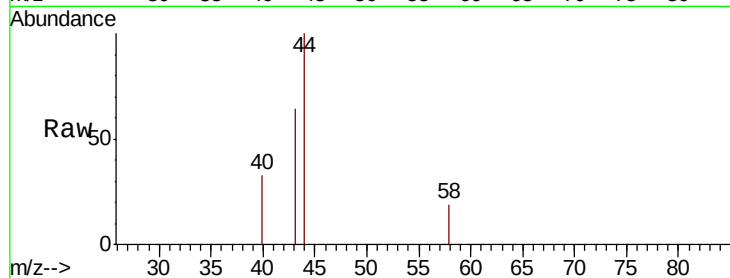
CBH-591(1)HOSE

Tot Ion: 58 Resp: 174

Ion Ratio Lower Upper

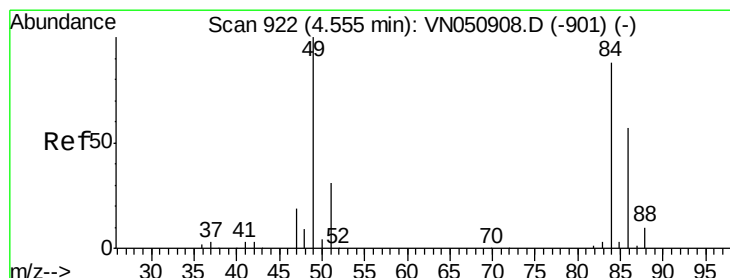
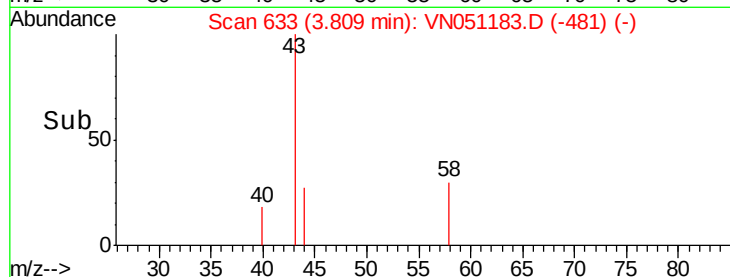
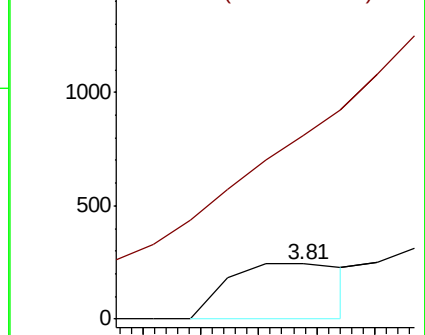
58 100

43 151.8 239.4 359.0#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#18

Methylene Chloride

Concen: 0.27 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051183.D

Acq: 14 Sep 2018 12:20

Tgt Ion: 84 Resp: 1767

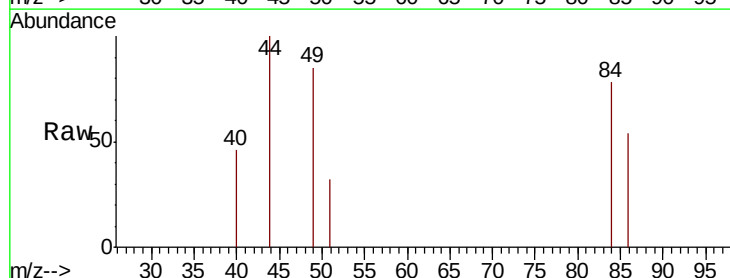
Ion Ratio Lower Upper

84 100

49 109.2 90.6 135.8

51 41.1 28.4 42.6

86 69.4 51.6 77.4

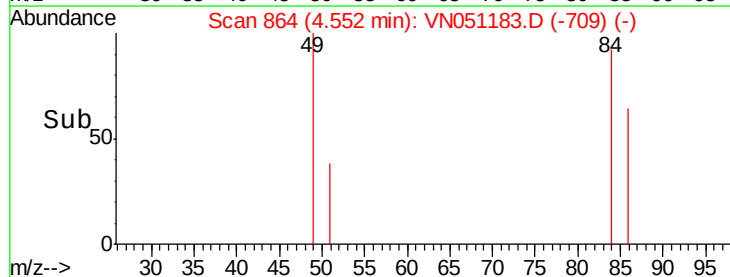
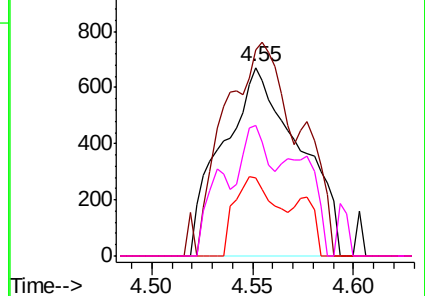


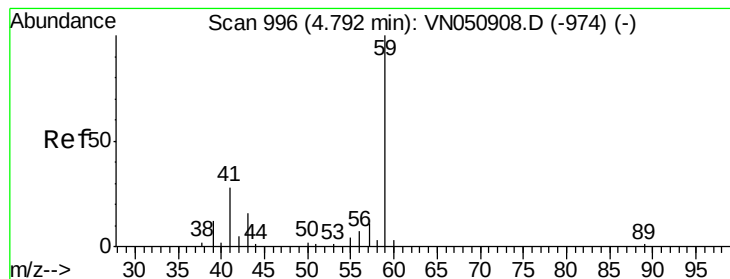
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#23

tert-Butyl Alcohol

Concen: 0.22 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.05 min

Lab File: VN051183.D

Acq: 14 Sep 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

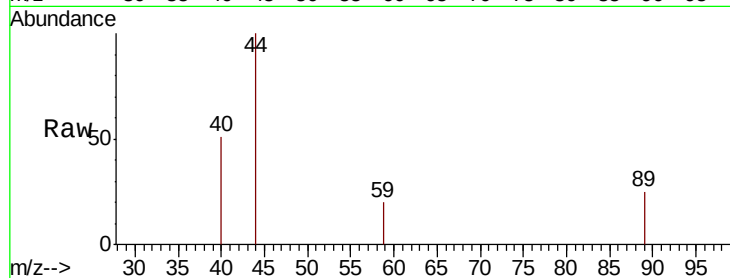
CBH-591(1)HOSE

Tot Ion: 59 Resp: 103

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

4.74

200

150

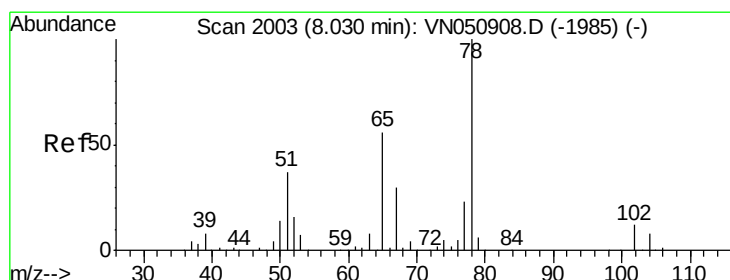
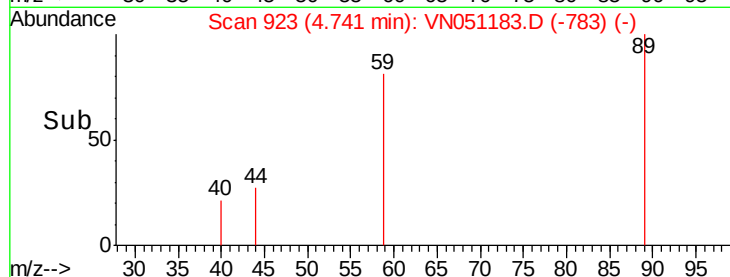
100

50

0

4.73 4.74 4.75 4.75

Time-->



#27

1,2-Dichloroethane-d4

Concen: 29.64 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051183.D

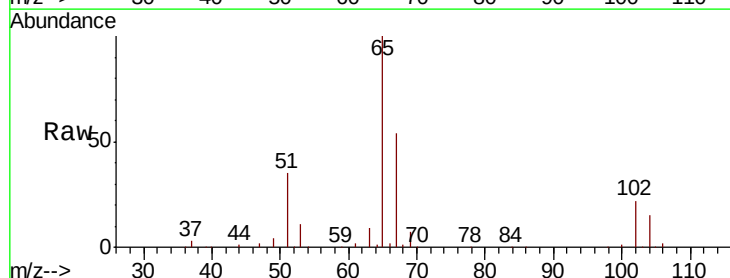
Acq: 14 Sep 2018 12:20

Tgt Ion: 65 Resp: 195902

Ion Ratio Lower Upper

65 100

67 54.1 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

80000

60000

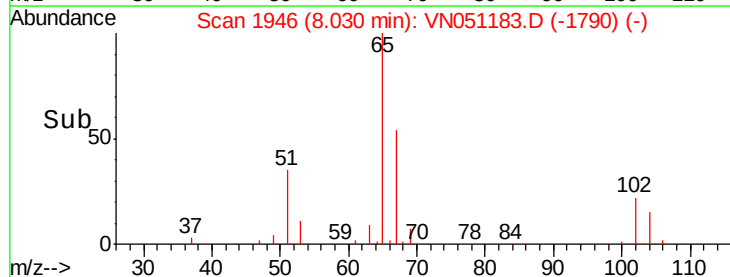
40000

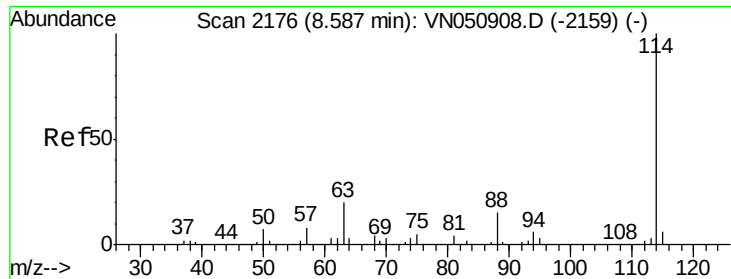
20000

0

8.00 8.10

Time-->

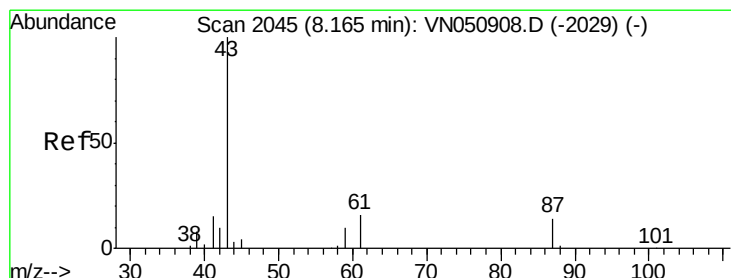
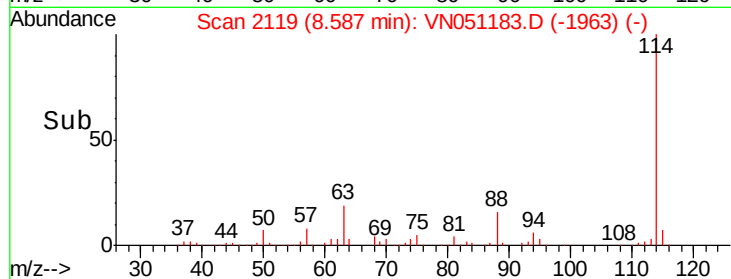
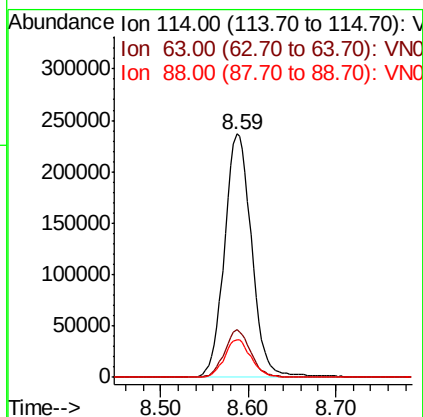
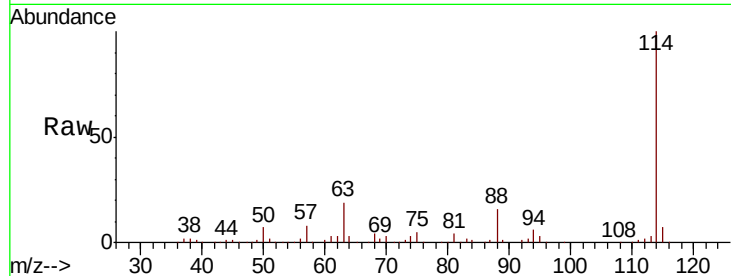




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051183.D
 Acq: 14 Sep 2018 12:20

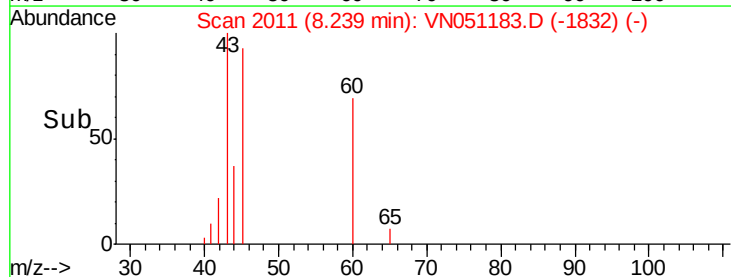
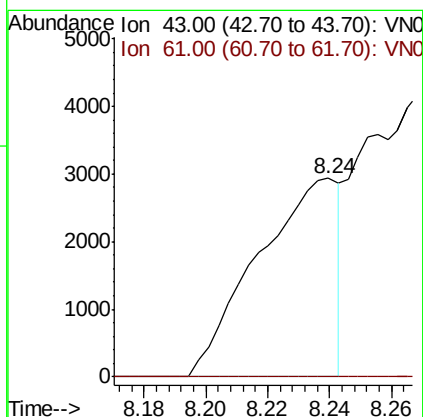
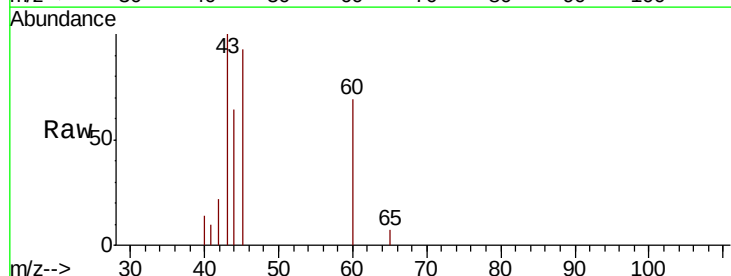
Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-591(1)HOSE

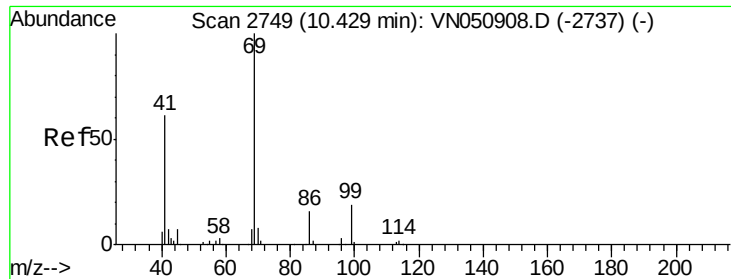
Tot Ion:114	Resp:	511242
Ion	Ratio	Lower Upper
114	100	
63	18.6	15.6 23.4
88	15.2	12.2 18.4



#44
 Isopropyl Acetate
 Concen: 0.63 ug/l
 RT: 8.24 min Scan# 2011
 Delta R.T. 0.07 min
 Lab File: VN051183.D
 Acq: 14 Sep 2018 12:20

Tgt Ion: 43	Resp:	5354
Ion	Ratio	Lower Upper
43	100	
61	68.8	16.3 24.5#





#51

Ethyl methacrylate

Concen: 0.29 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.33 min

Lab File: VN051183.D

Acq: 14 Sep 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

CBH-591(1)HOSE

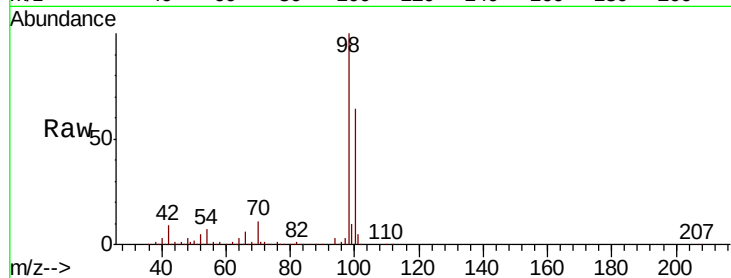
Tot Ion: 69 Resp: 1892

Ion Ratio Lower Upper

69 100

41 66.3 30.5 91.5

39 18.0 15.3 45.8

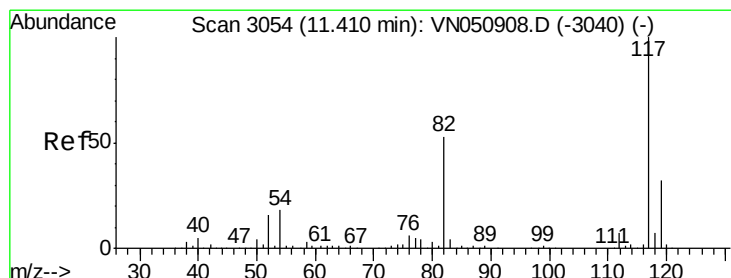
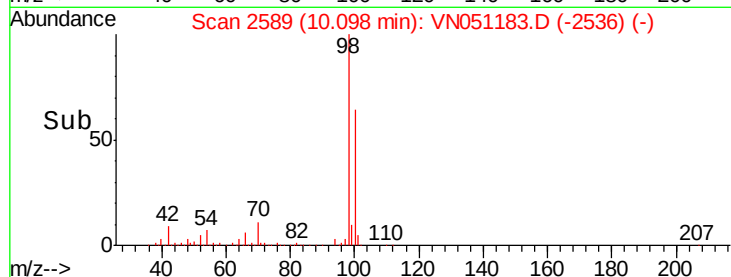
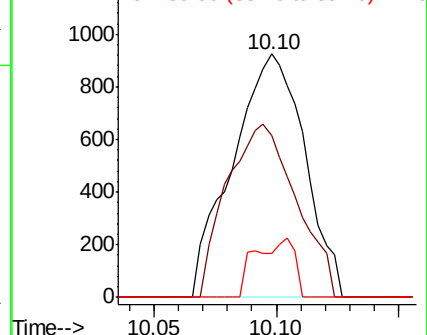


Abundance

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: VN051183.D

Acq: 14 Sep 2018 12:20

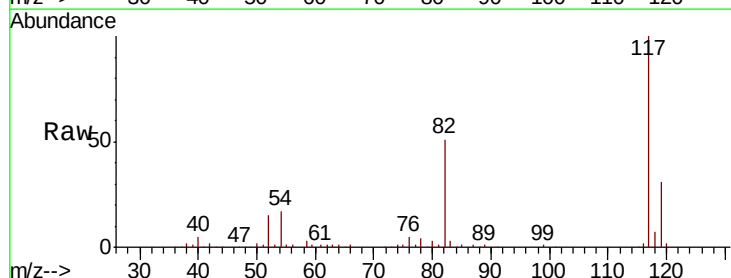
Tgt Ion: 117 Resp: 412754

Ion Ratio Lower Upper

117 100

82 52.2 42.6 64.0

119 31.7 25.7 38.5

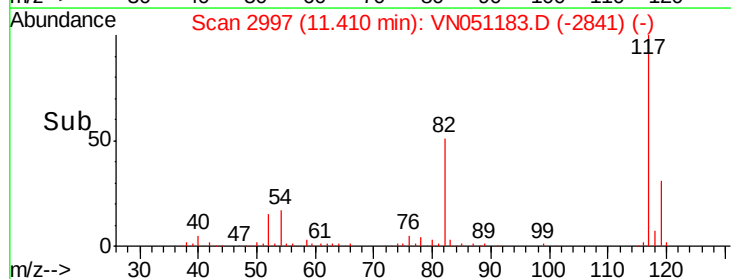
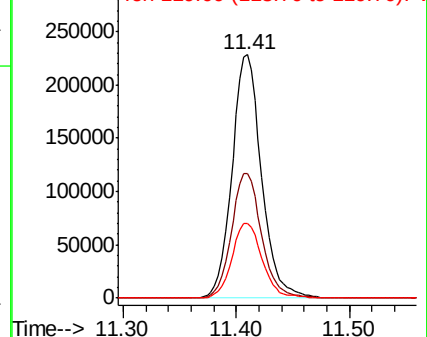


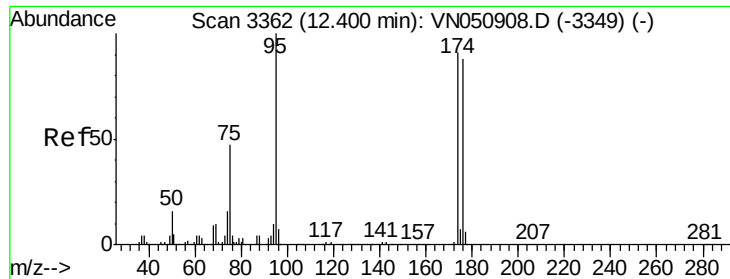
Abundance

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: 19.49 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051183.D

Acq: 14 Sep 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

CBH-591(1)HOSE

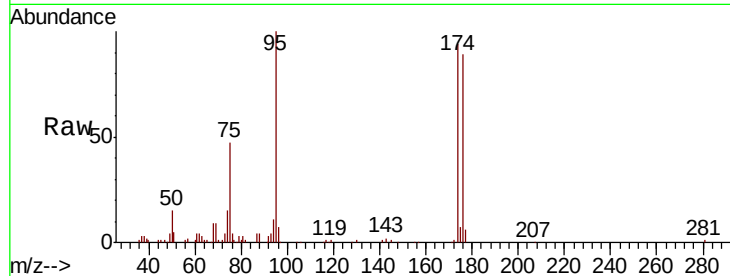
Tot Ion: 95 Resp: 119642

Ion Ratio Lower Upper

95 100

174 93.4 74.6 112.0

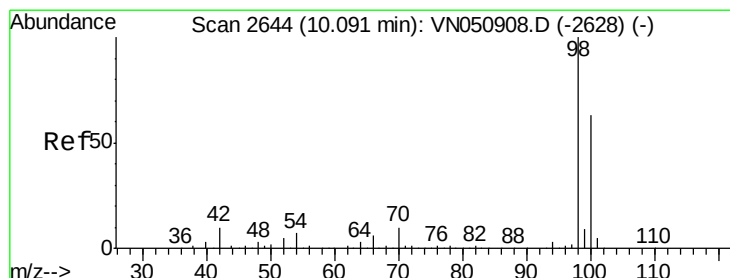
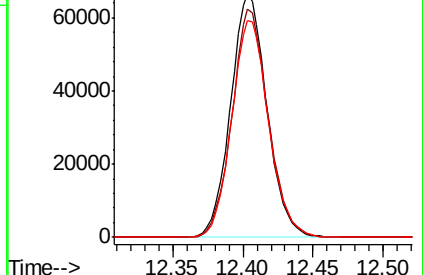
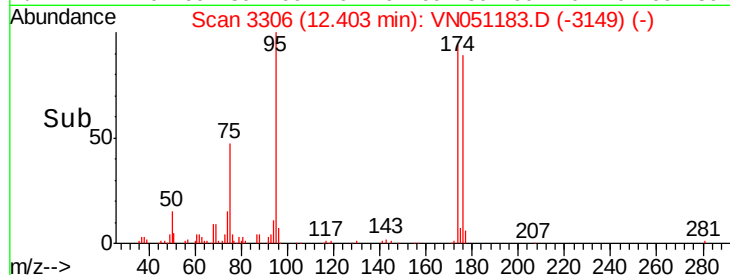
176 90.7 71.5 107.3



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: 30.39 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051183.D

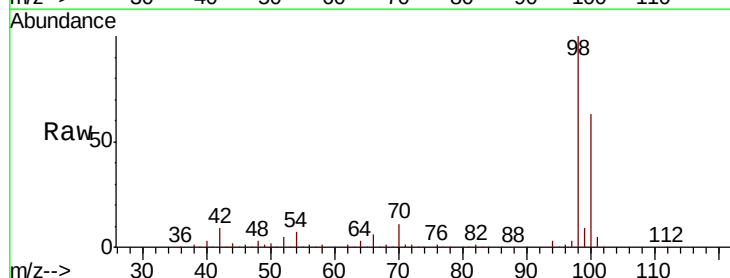
Acq: 14 Sep 2018 12:20

Tgt Ion: 98 Resp: 584997

Ion Ratio Lower Upper

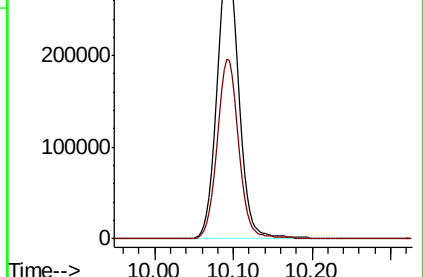
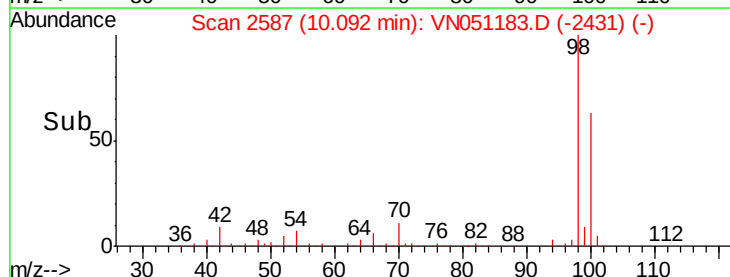
98 100

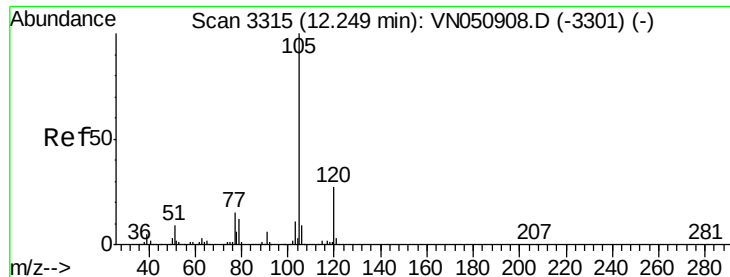
100 63.5 50.6 75.8



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

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





#70

Isopropylbenzene

Concen: 0.22 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051183.D

Acq: 14 Sep 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

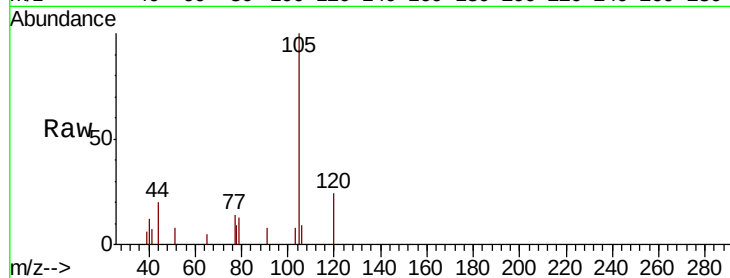
CBH-591(1)HOSE

Tot Ion:105 Resp: 5200

Ion Ratio Lower Upper

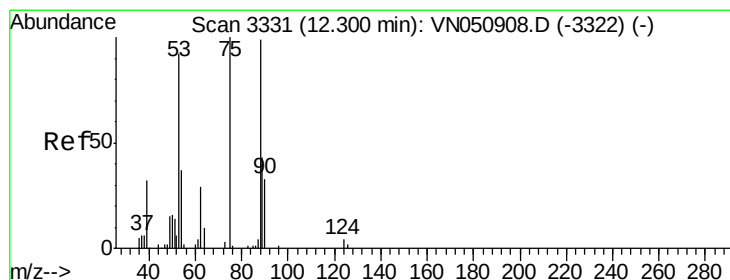
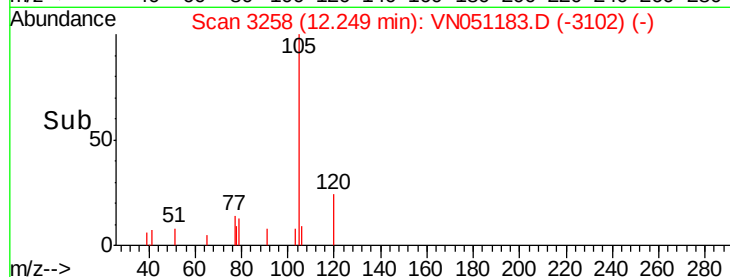
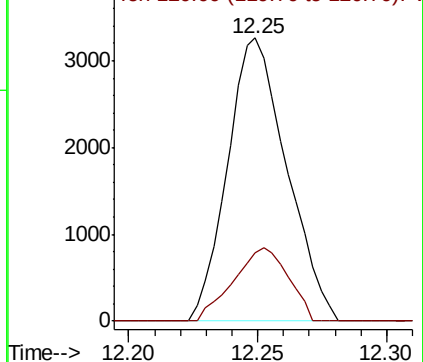
105 100

120 24.1 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 35.46 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051183.D

Acq: 14 Sep 2018 12:20

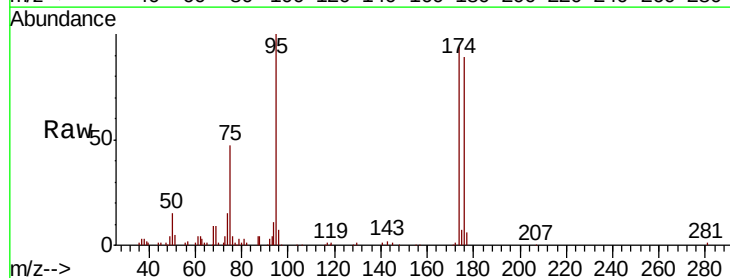
Tgt Ion: 75 Resp: 54986

Ion Ratio Lower Upper

75 100

53 0.0 45.5 136.4#

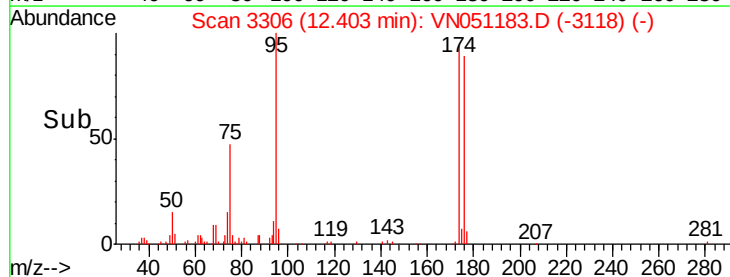
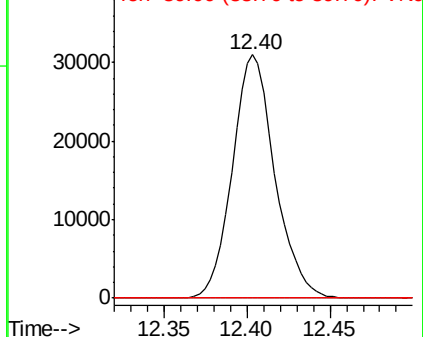
89 0.0 21.9 65.8#

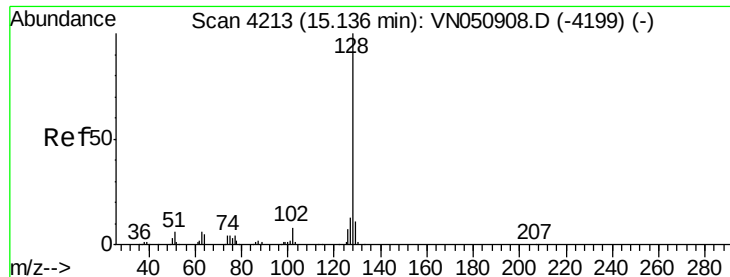


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO





#91

Naphthalene

Concen: 8.68 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051183.D

Acq: 14 Sep 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

CBH-591(1)HOSE

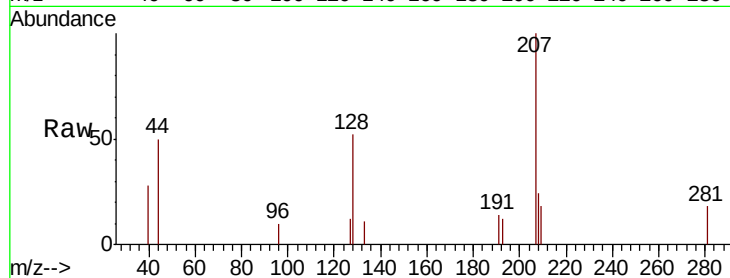
Tot Ion:128 Resp: 1468

Ion Ratio Lower Upper

128 100

127 5.4 10.6 16.0#

129 4.8 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

