

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050398.D
 Acq On : 6 Aug 2018 21:14
 Operator : MD\SY
 Sample : J4298-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Quant Time: Aug 07 05:51:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	627331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1066770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	903544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	355803	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	451511	53.87	ug/l	0.00
Spiked Amount			Recovery	=	107.74%	
35) Dibromofluoromethane	7.59	113	408098	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
50) Toluene-d8	10.09	98	1443134	44.84	ug/l	0.00
Spiked Amount			Recovery	=	89.68%	
62) 4-Bromofluorobenzene	12.40	95	414893	37.83	ug/l	0.00
Spiked Amount			Recovery	=	75.66%	

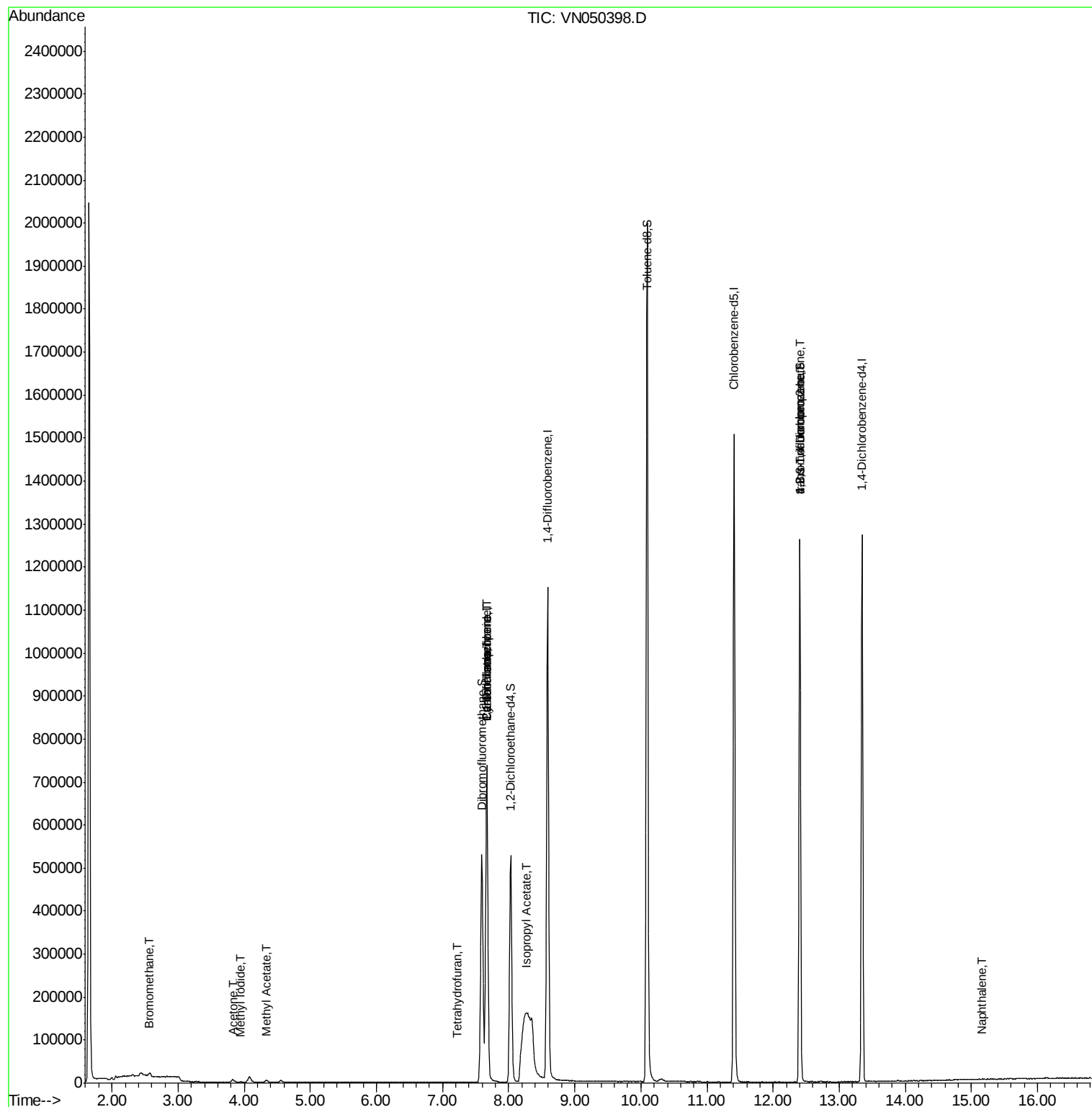
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3764	Below Cal		98
5) Bromomethane	2.56	94	4792	1.26 ug/l	#	79
10) Methyl Iodide	3.95	142	1397	0.44 ug/l	#	66
16) Acetone	3.83	43	10899	4.01 ug/l		100
18) Methyl Acetate	4.33	43	10473	1.42 ug/l		94
20) Methylene Chloride	4.55	84	3023	Below Cal	#	78
29) Tetrahydrofuran	7.22	42	564	0.25 ug/l	#	32
31) Cyclohexane	7.67	56	11763	0.35 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	44561	3.80 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	57016	4.66 ug/l	#	17
43) Isopropyl Acetate	8.26	43	273016	18.74 ug/l	#	61
76) 1,2,3-Trichloropropane	12.40	75	201573	31.30 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	201573	109.97 ug/l	#	13
95) Naphthalene	15.14	128	302	3.64 ug/l	#	69

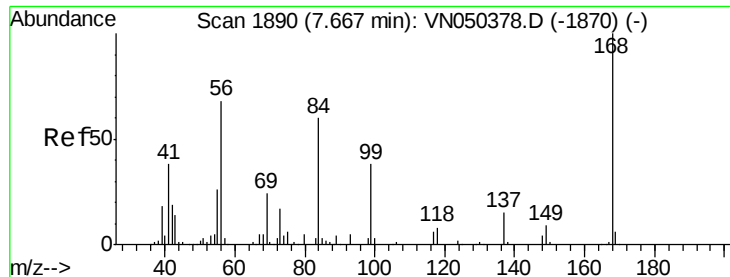
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050398.D

Acq: 6 Aug 2018 21:14

Instrument :

MSVOA_N

ClientSampleId :

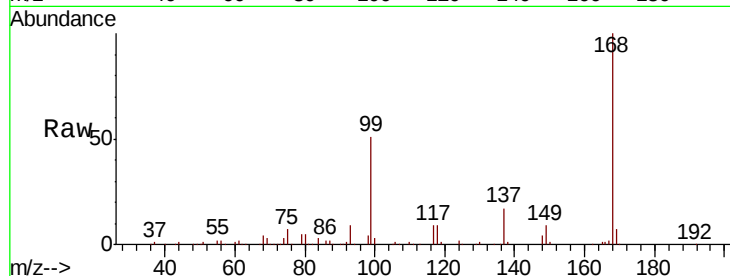
TRIPBLANK

Tot Ion:168 Resp: 627331

Ion Ratio Lower Upper

168 100

99 50.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

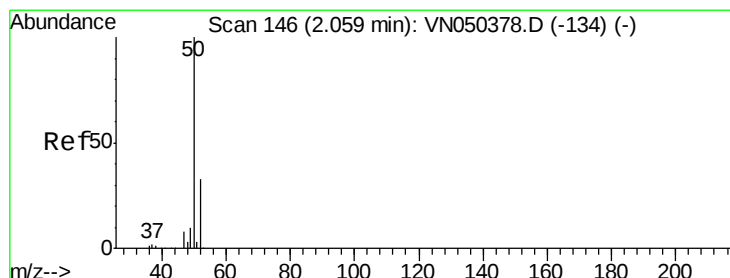
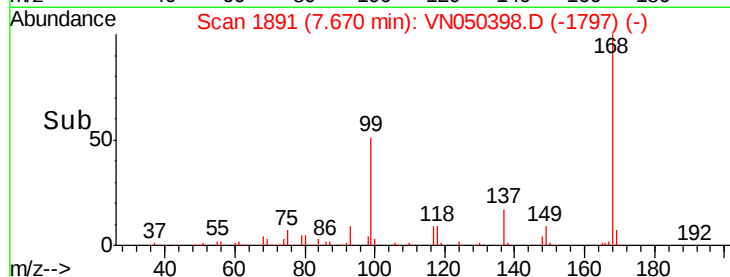
100000

50000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050398.D

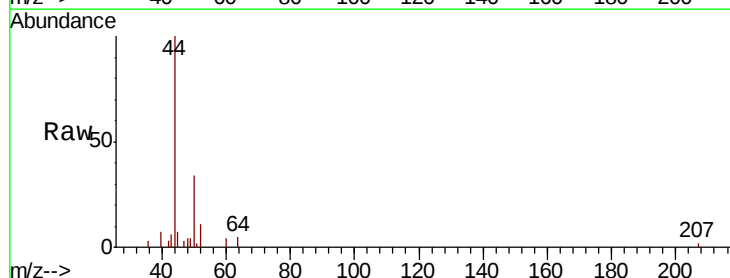
Acq: 6 Aug 2018 21:14

Tgt Ion: 50 Resp: 3764

Ion Ratio Lower Upper

50 100

52 31.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

3000

2500

2000

1500

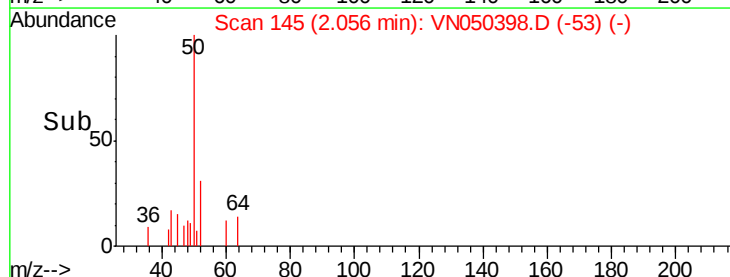
1000

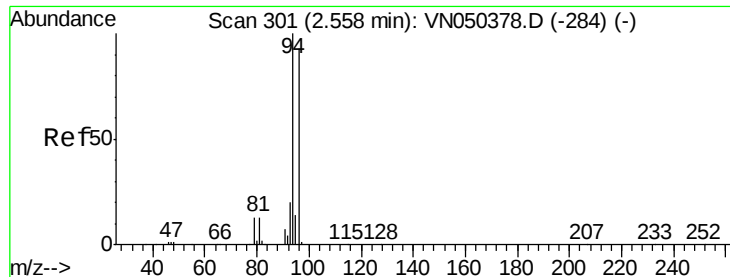
500

0

Time-->

2.02 2.04 2.06 2.08 2.10





#5

Bromomethane

Concen: 1.26 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050398.D

Acq: 6 Aug 2018 21:14

Instrument :

MSVOA_N

ClientSampleId :

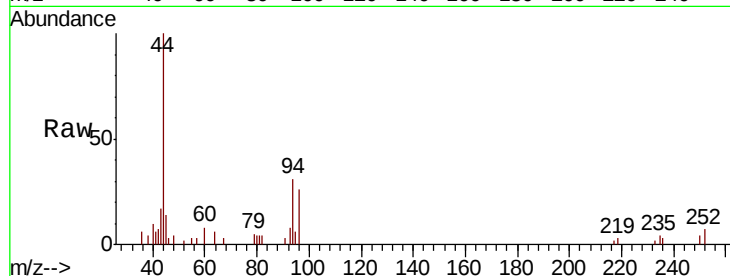
TRIPBLANK

Tot Ion: 94 Resp: 4792

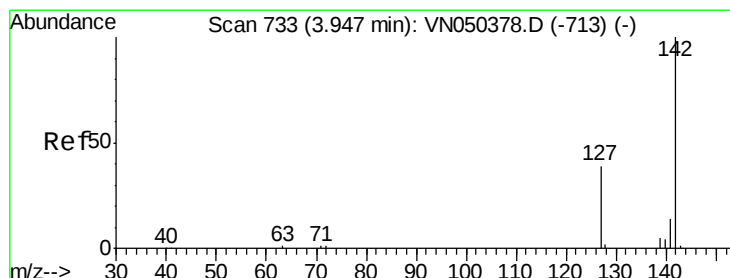
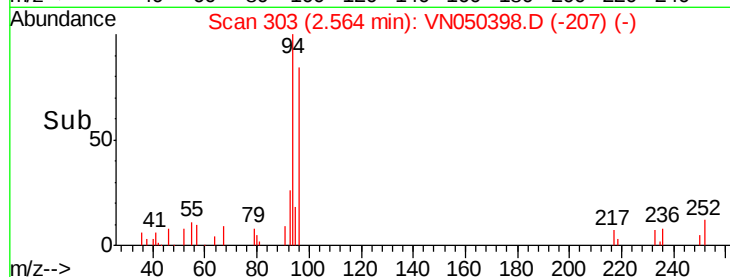
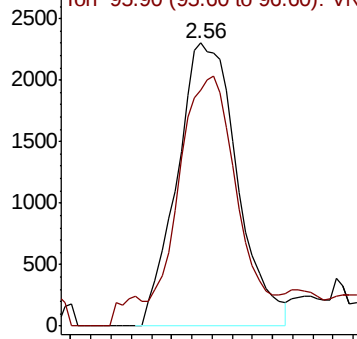
Ion Ratio Lower Upper

94 100

96 73.1 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050398.D (-284) (-)



#10

Methyl Iodide

Concen: 0.44 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050398.D

Acq: 6 Aug 2018 21:14

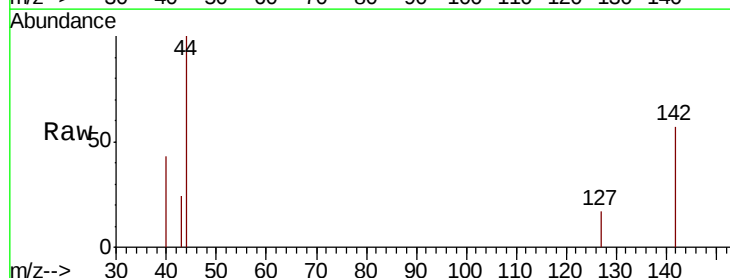
Tgt Ion: 142 Resp: 1397

Ion Ratio Lower Upper

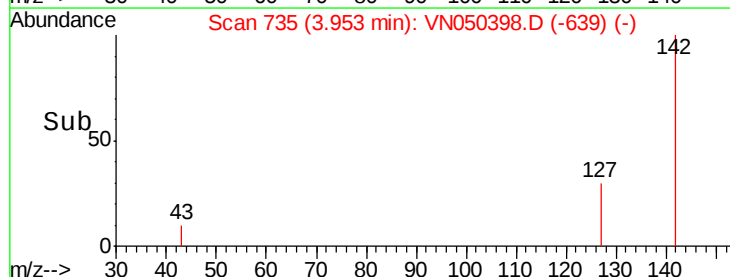
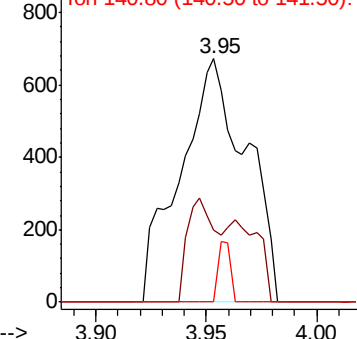
142 100

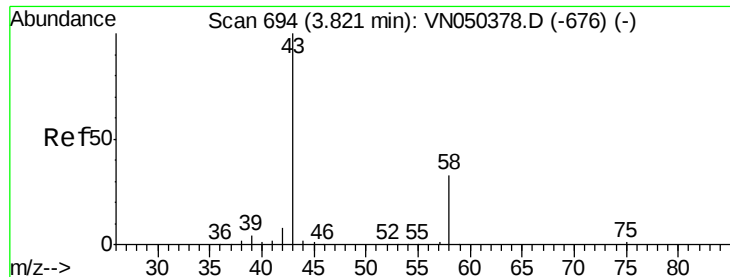
127 18.6 33.4 50.2#

141 4.6 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050398.D (-713) (-)





#16

Acetone

Concen: 4.01 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050398.D

Acq: 6 Aug 2018 21:14

Instrument :

MSVOA_N

ClientSampleId :

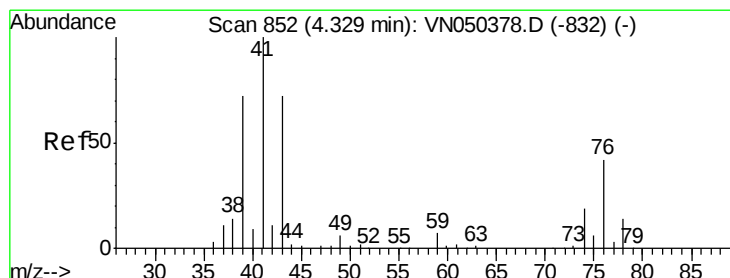
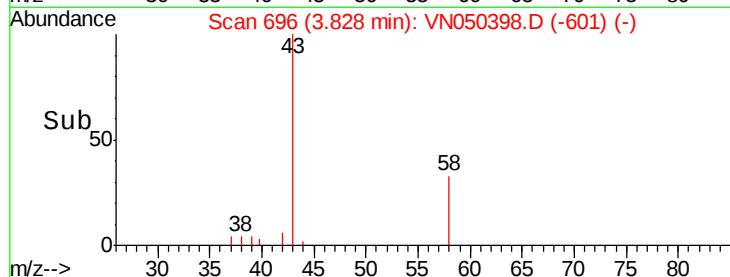
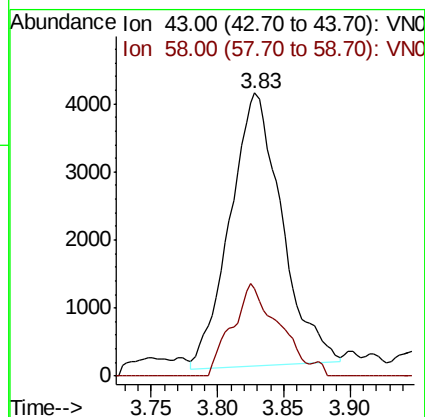
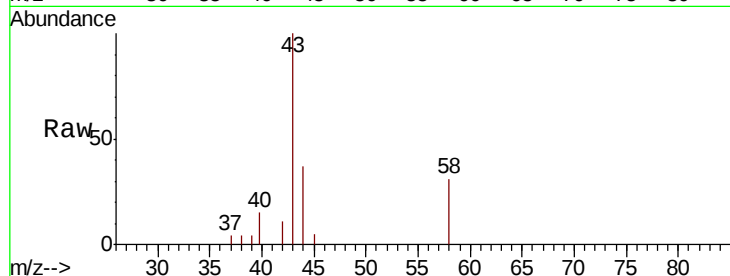
TRIPBLANK

Tot Ion: 43 Resp: 10899

Ion Ratio Lower Upper

43 100

58 32.4 25.8 38.8



#18

Methyl Acetate

Concen: 1.42 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050398.D

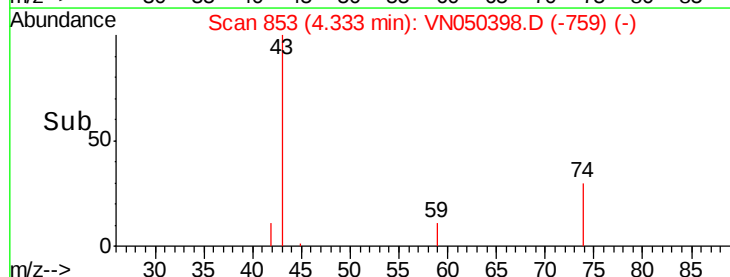
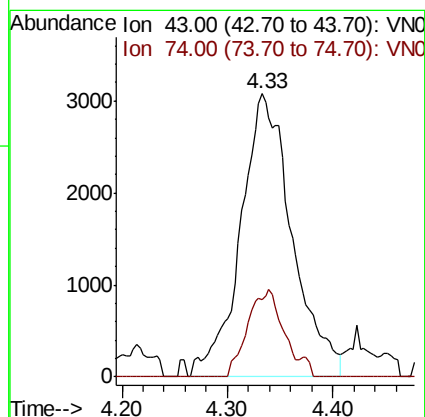
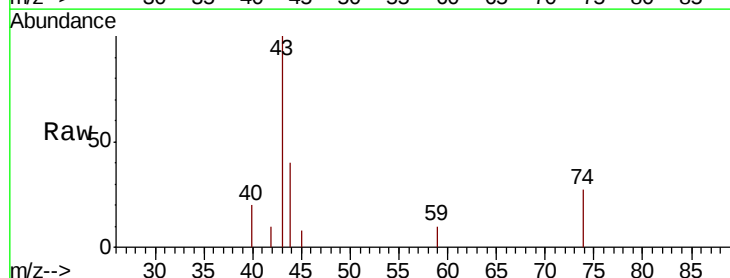
Acq: 6 Aug 2018 21:14

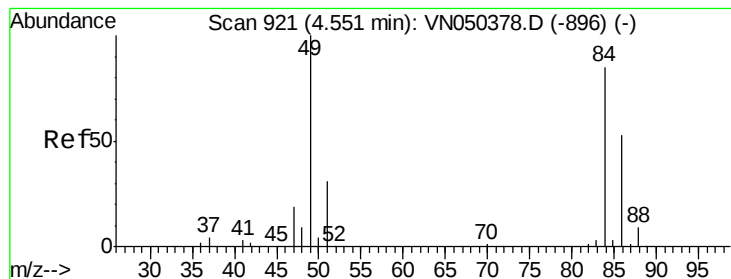
Tgt Ion: 43 Resp: 10473

Ion Ratio Lower Upper

43 100

74 21.0 19.2 28.8





#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN050398.D

Acq: 6 Aug 2018 21:14

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

Tot Ion: 84 Resp: 3023

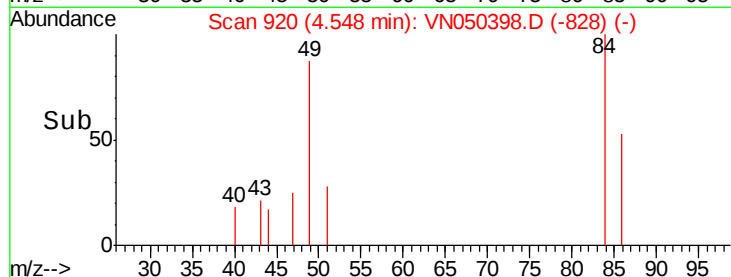
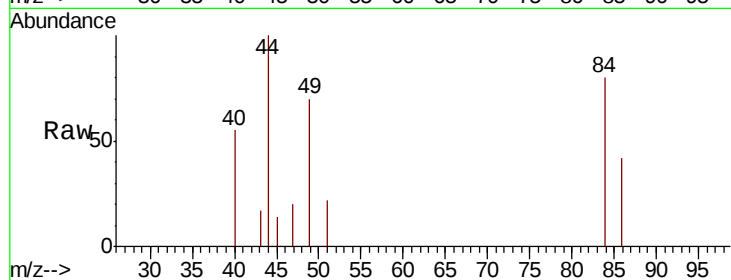
Ion Ratio Lower Upper

84 100

49 86.8 94.8 142.2#

51 27.8 28.3 42.5#

86 52.8 51.0 76.6

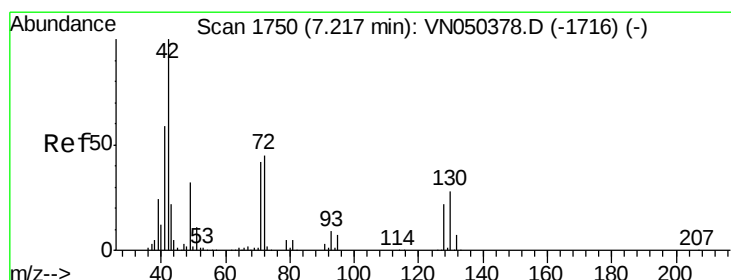
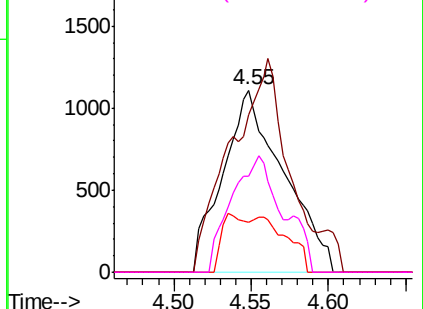


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN050398.D

Acq: 6 Aug 2018 21:14

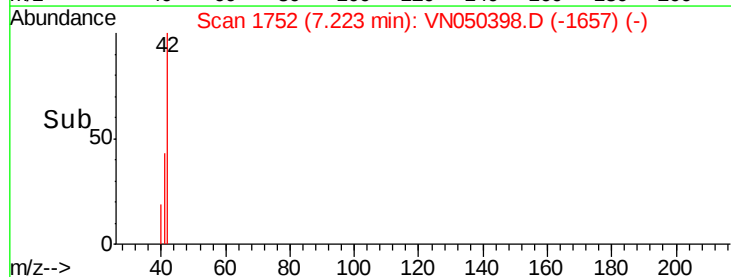
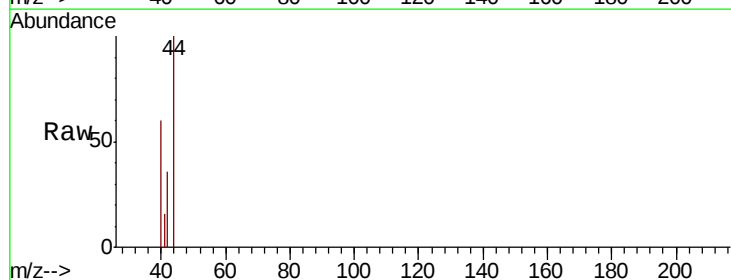
Tgt Ion: 42 Resp: 564

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

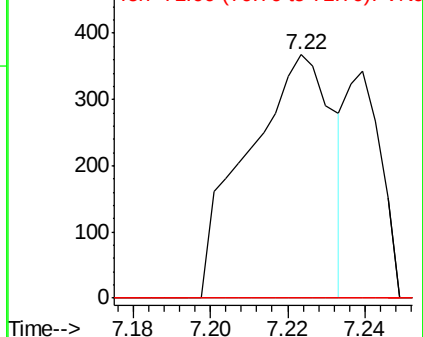
71 0.0 33.7 50.5#

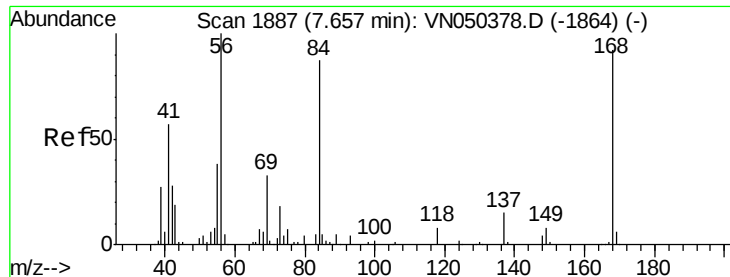


Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO

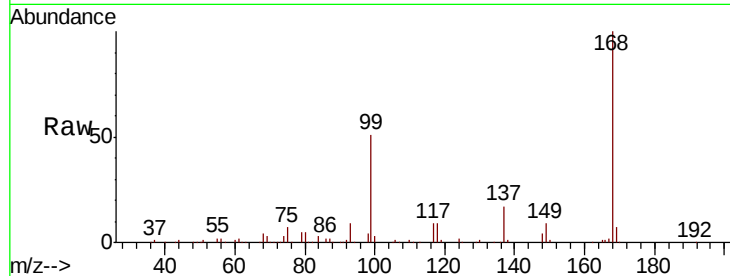




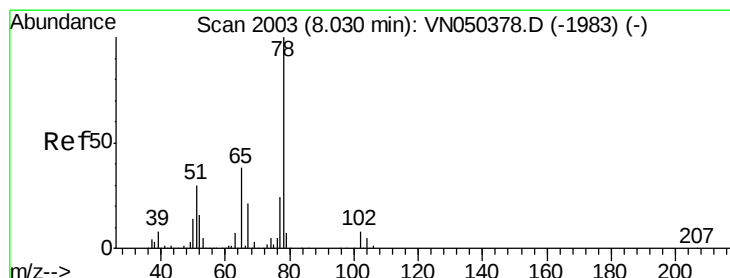
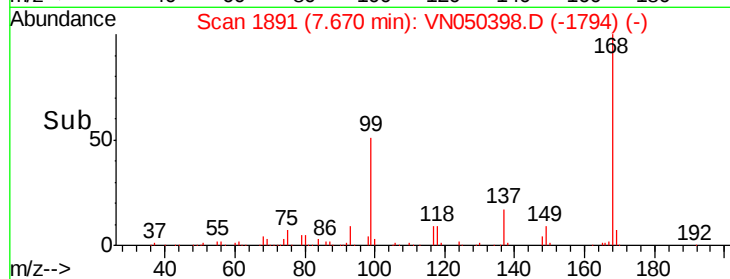
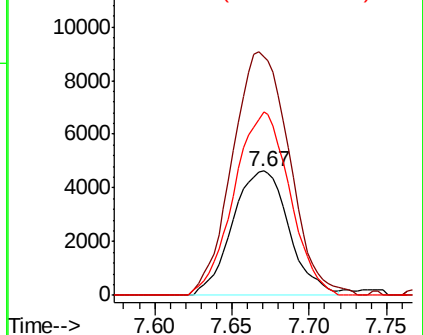
#31
Cyclohexane
Concen: 0.35 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050398.D
Acq: 6 Aug 2018 21:14

Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

Tot Ion: 56 Resp: 11763
Ion Ratio Lower Upper
56 100
69 191.8 26.2 39.4#
84 147.1 67.4 101.0#

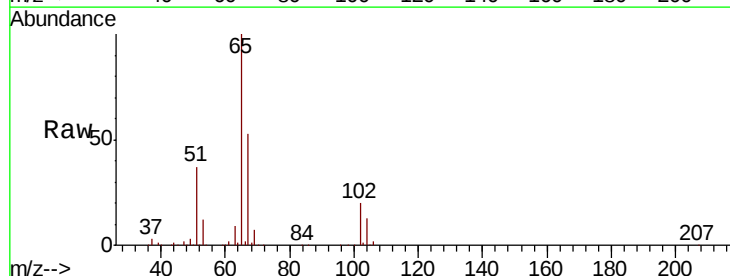


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

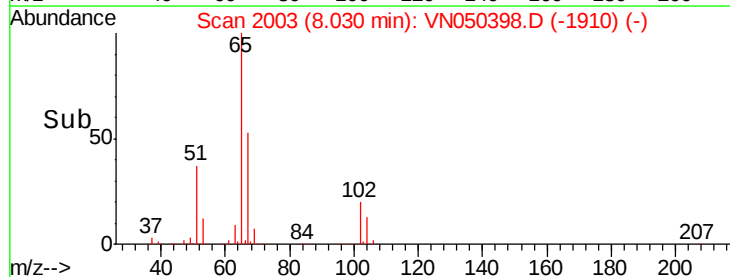
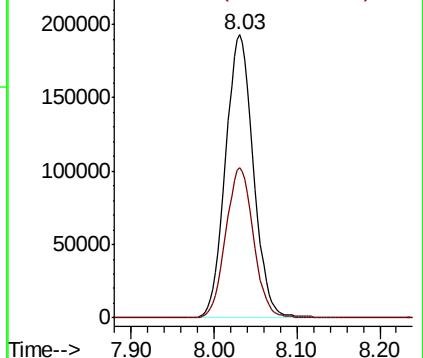


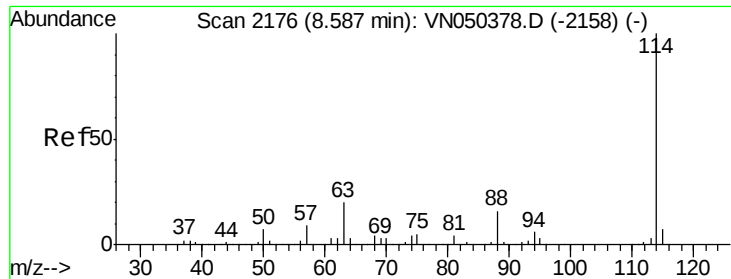
#33
1,2-Dichloroethane-d4
Concen: 53.87 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050398.D
Acq: 6 Aug 2018 21:14

Tgt Ion: 65 Resp: 451511
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

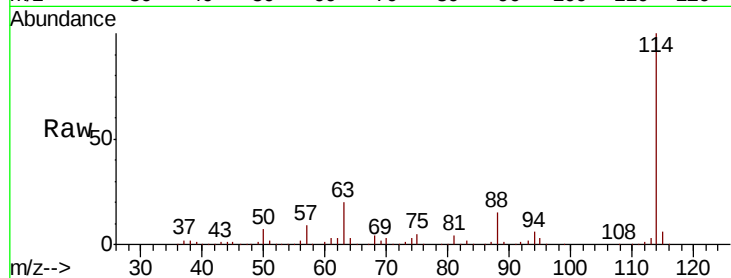




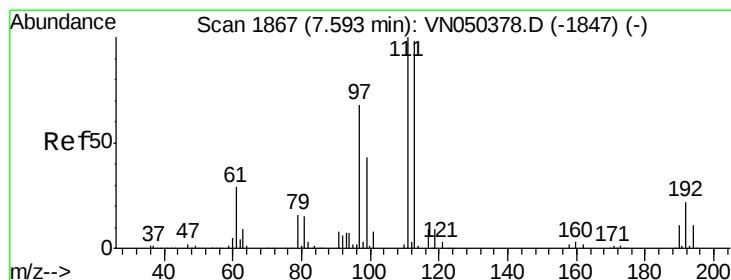
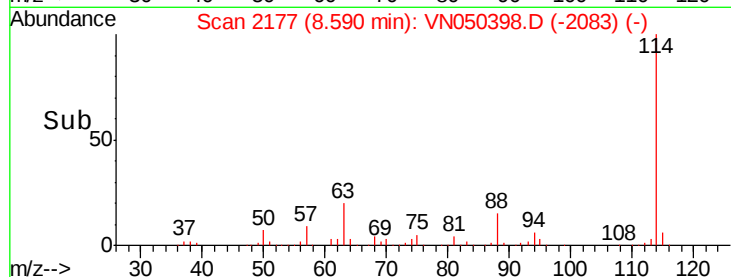
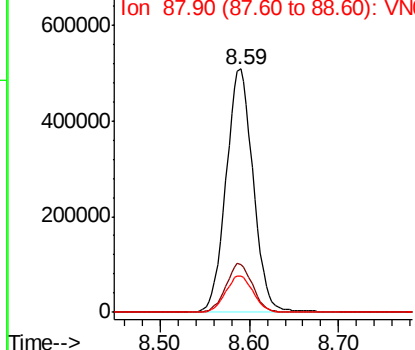
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050398.D
 Acq: 6 Aug 2018 21:14

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Tot Ion:114 Resp: 1066770
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.0 0.0 31.2

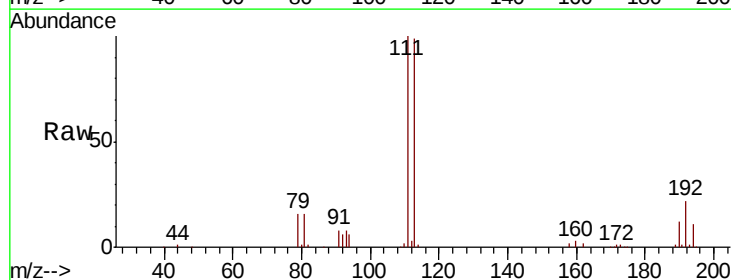


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

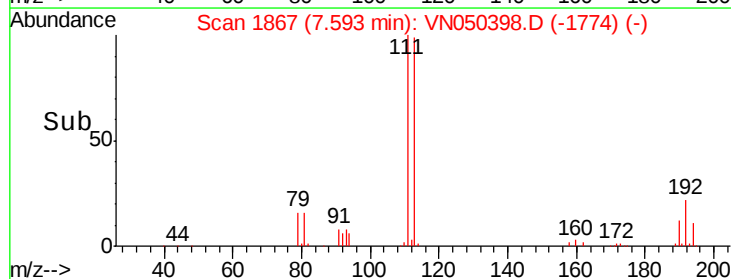
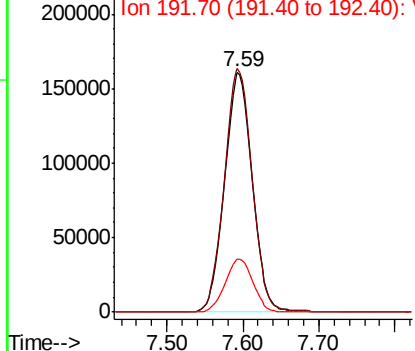


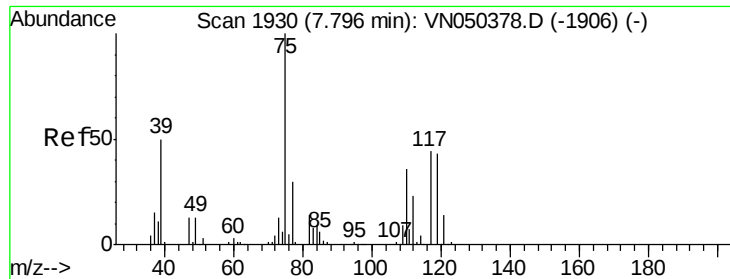
#35
 Dibromofluoromethane
 Concen: 47.68 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050398.D
 Acq: 6 Aug 2018 21:14

Tgt Ion:113 Resp: 408098
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.7 121.1
 192 22.3 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.80 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050398.D

Acq: 6 Aug 2018 21:14

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

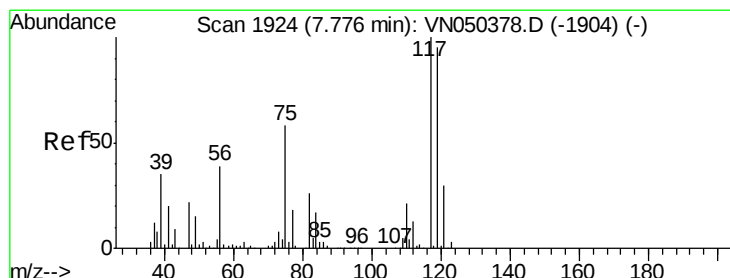
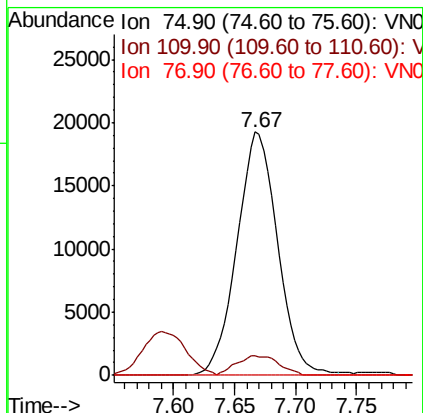
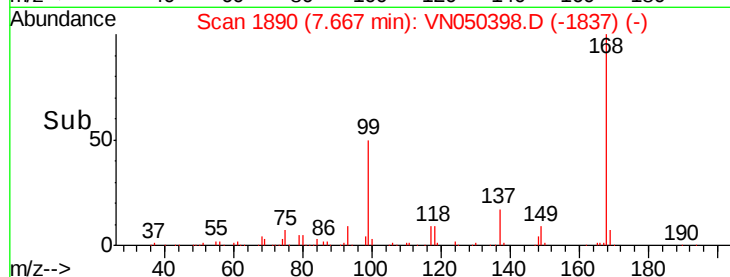
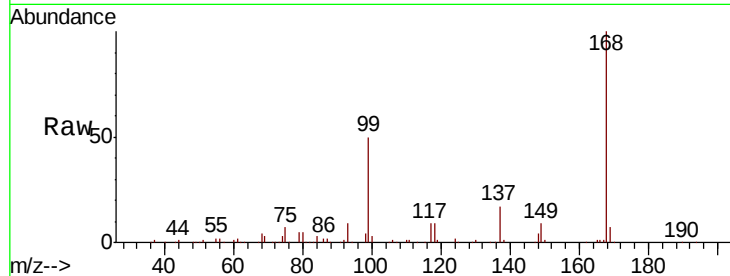
Tot Ion: 75 Resp: 44561

Ion Ratio Lower Upper

75 100

110 8.4 18.4 55.2#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 4.66 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050398.D

Acq: 6 Aug 2018 21:14

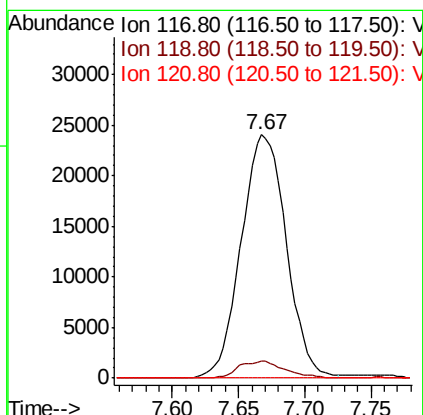
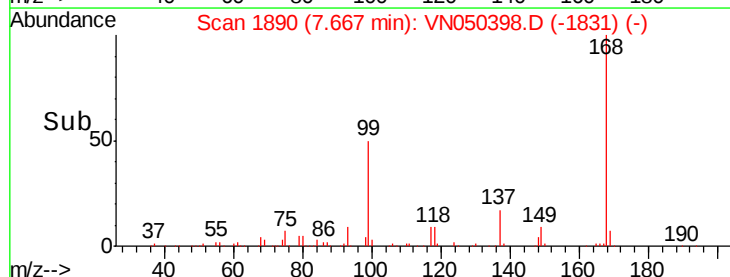
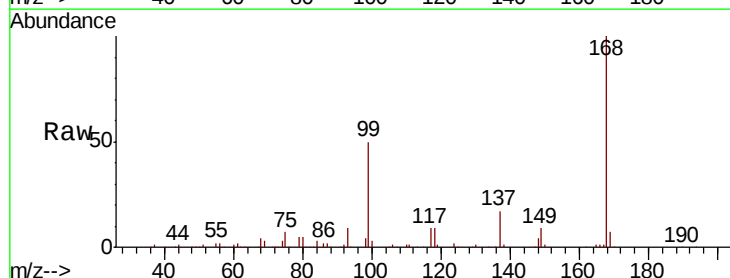
Tgt Ion: 117 Resp: 57016

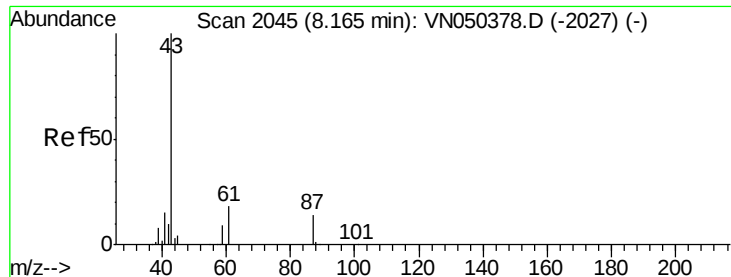
Ion Ratio Lower Upper

117 100

119 7.1 77.4 116.0#

121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 18.74 ug/l

RT: 8.26 min Scan# 2075

Delta R.T. 0.10 min

Lab File: VN050398.D

Acq: 6 Aug 2018 21:14

Instrument :

MSVOA_N

ClientSampleId :

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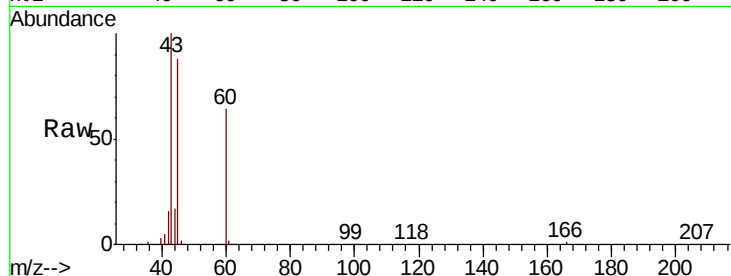
Tot Ion: 43 Resp: 273016

Ion Ratio Lower Upper

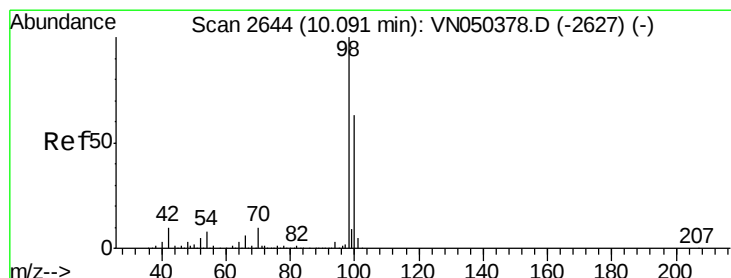
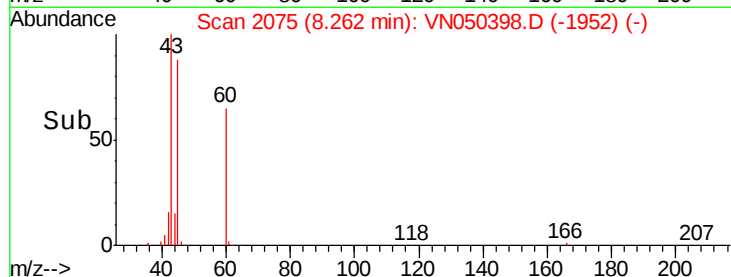
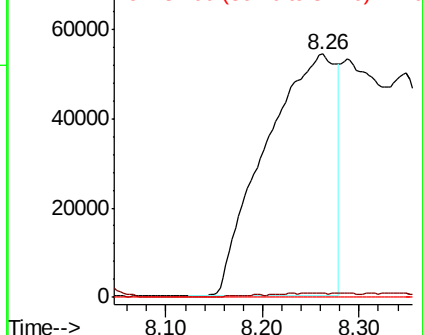
43 100

61 0.0 15.8 23.6#

87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#50

Toluene-d8

Concen: 44.84 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050398.D

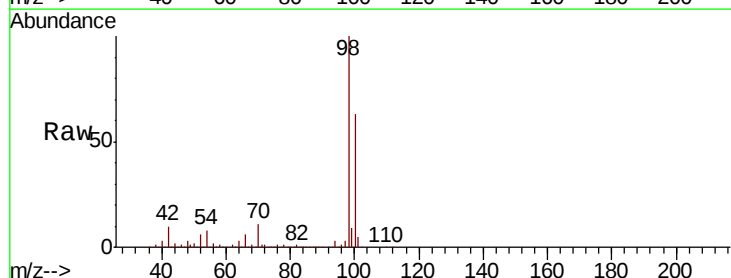
Acq: 6 Aug 2018 21:14

Tgt Ion: 98 Resp: 1443134

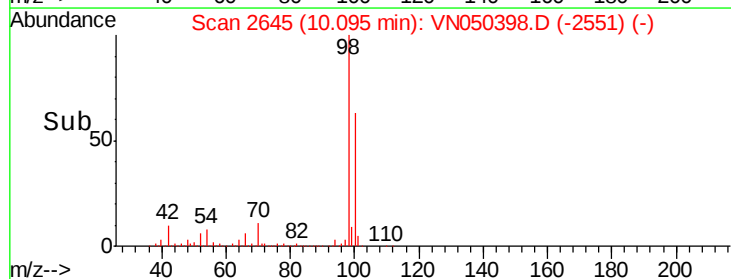
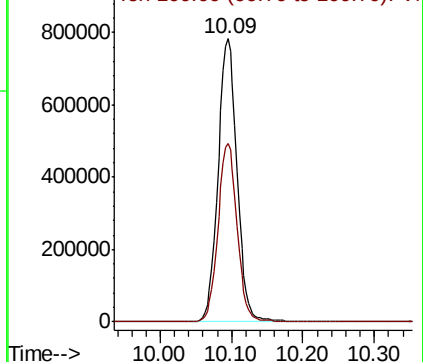
Ion Ratio Lower Upper

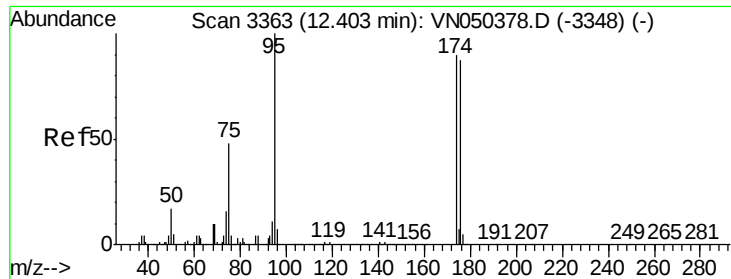
98 100

100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO





#62

4-Bromofluorobenzene

Concen: 37.83 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050398.D

Acq: 6 Aug 2018 21:14

Instrument :

MSVOA_N

ClientSampleId :

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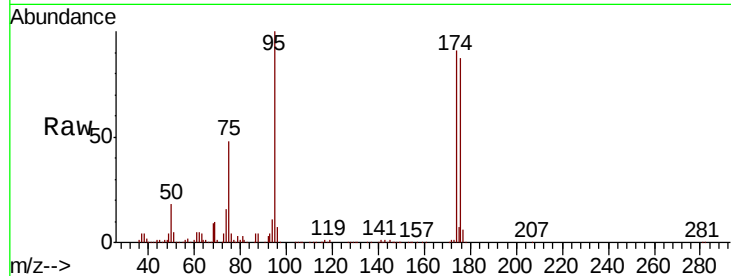
Tot Ion: 95 Resp: 414893

Ion Ratio Lower Upper

95 100

174 92.2 0.0 178.2

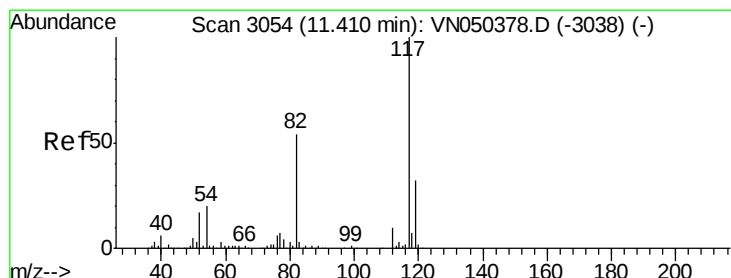
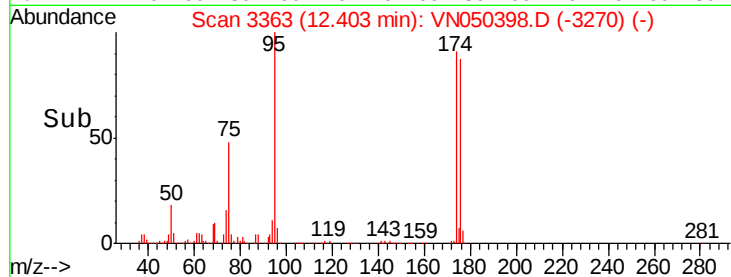
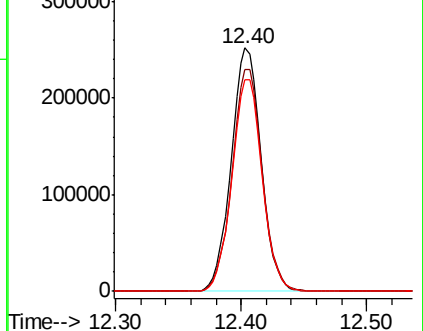
176 88.3 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050398.D

Acq: 6 Aug 2018 21:14

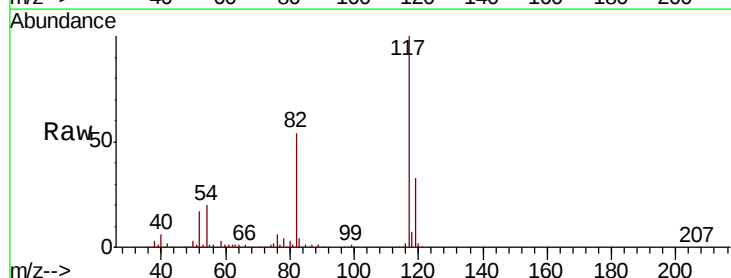
Tgt Ion: 117 Resp: 903544

Ion Ratio Lower Upper

117 100

82 54.2 43.7 65.5

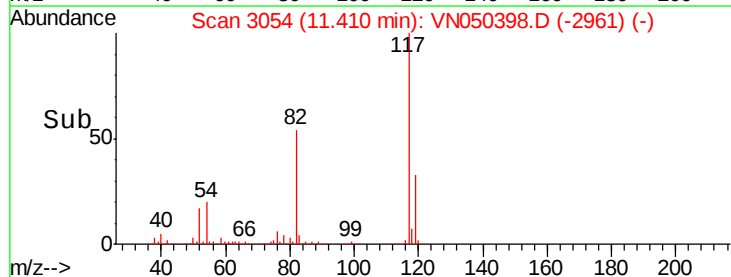
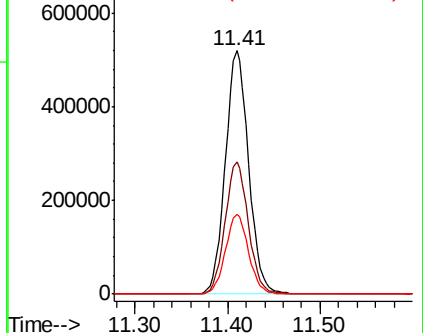
119 33.0 26.1 39.1

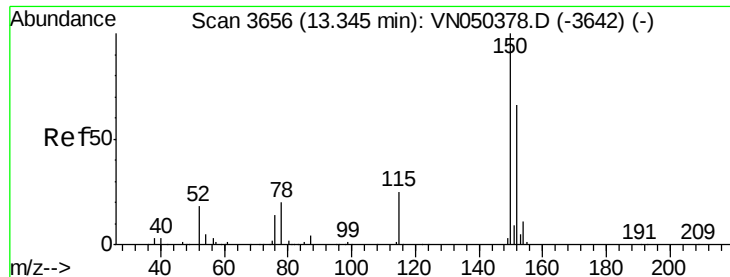


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050398.D

Acq: 6 Aug 2018 21:14

Instrument :

MSVOA_N

ClientSampleId :

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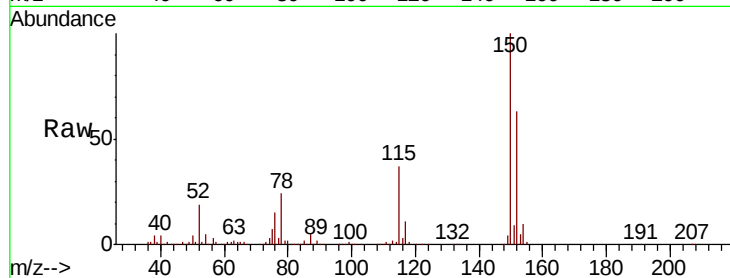
Tot Ion:152 Resp: 355803

Ion Ratio Lower Upper

152 100

115 56.8 27.8 83.3

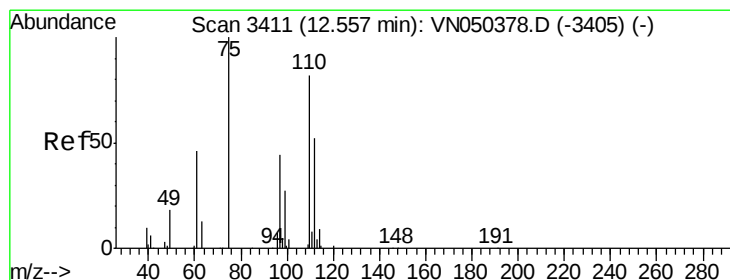
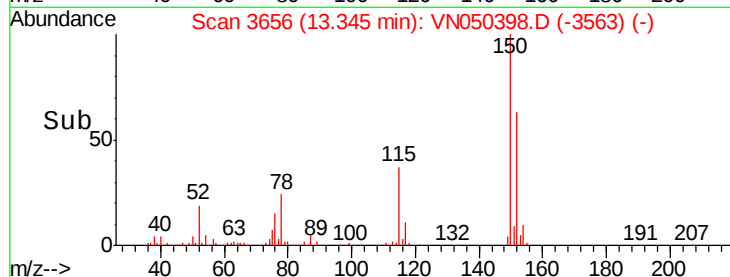
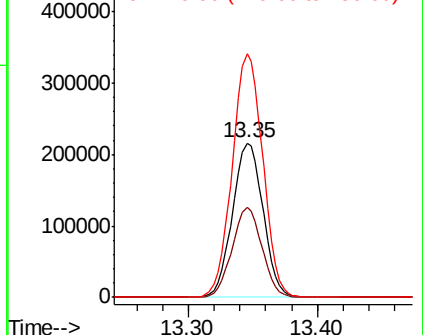
150 157.3 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 31.30 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050398.D

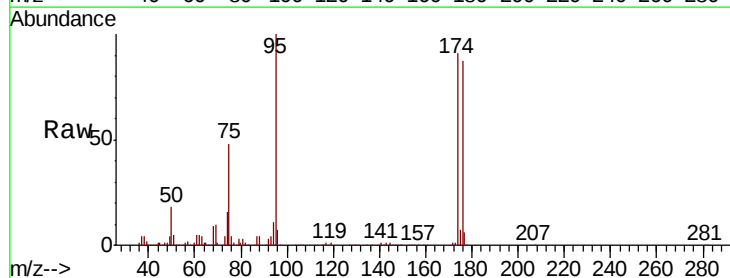
Acq: 6 Aug 2018 21:14

Tgt Ion: 75 Resp: 201573

Ion Ratio Lower Upper

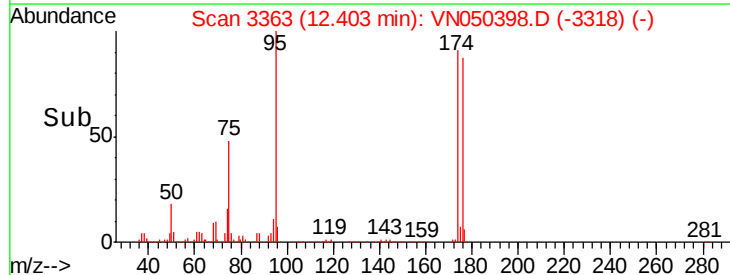
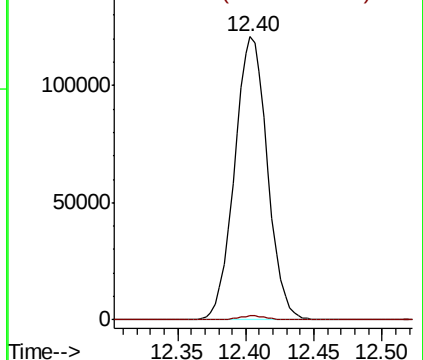
75 100

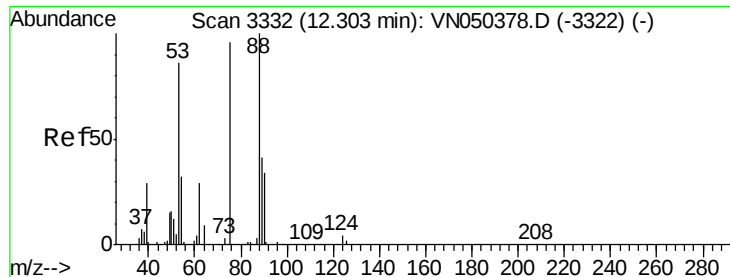
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 109.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050398.D

Acq: 6 Aug 2018 21:14

Instrument :

MSVOA_N

ClientSampleId :

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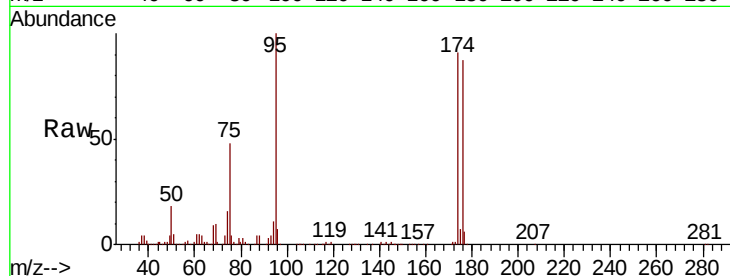
Tot Ion: 75 Resp: 201573

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

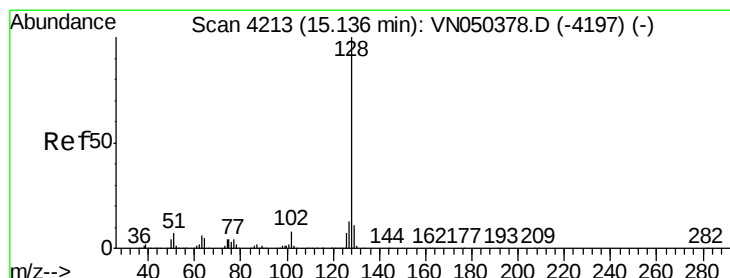
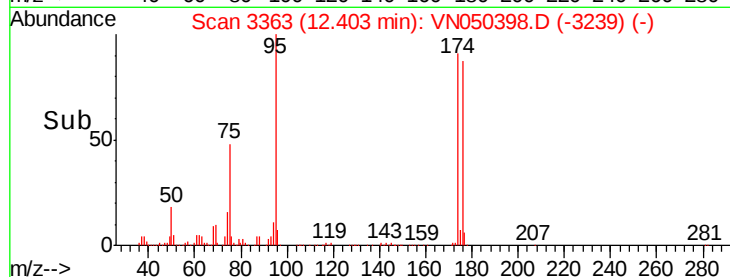
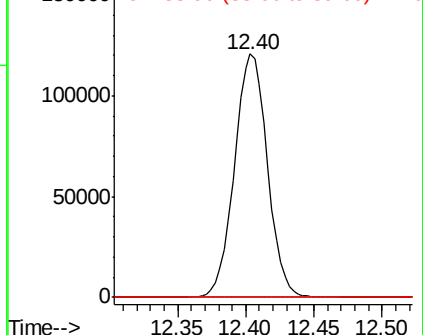
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 3.64 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN050398.D

Acq: 6 Aug 2018 21:14

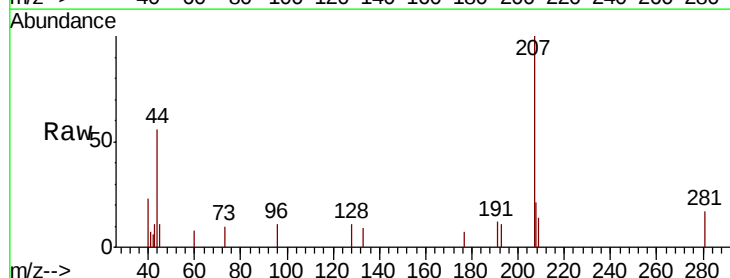
Tgt Ion: 128 Resp: 302

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.8 13.2#



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

