

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082418\
 Data File : VN050885.D
 Acq On : 24 Aug 2018 18:34
 Operator : MD\SY
 Sample : J4653-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

Quant Time: Aug 24 22:57:15 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	603661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	987617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	810858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	268749	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	397273	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	
35) Dibromofluoromethane	7.59	113	379949	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
50) Toluene-d8	10.09	98	1339711	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
62) 4-Bromofluorobenzene	12.40	95	347293	35.58	ug/l	0.00
Spiked Amount			Recovery	=	71.16%	

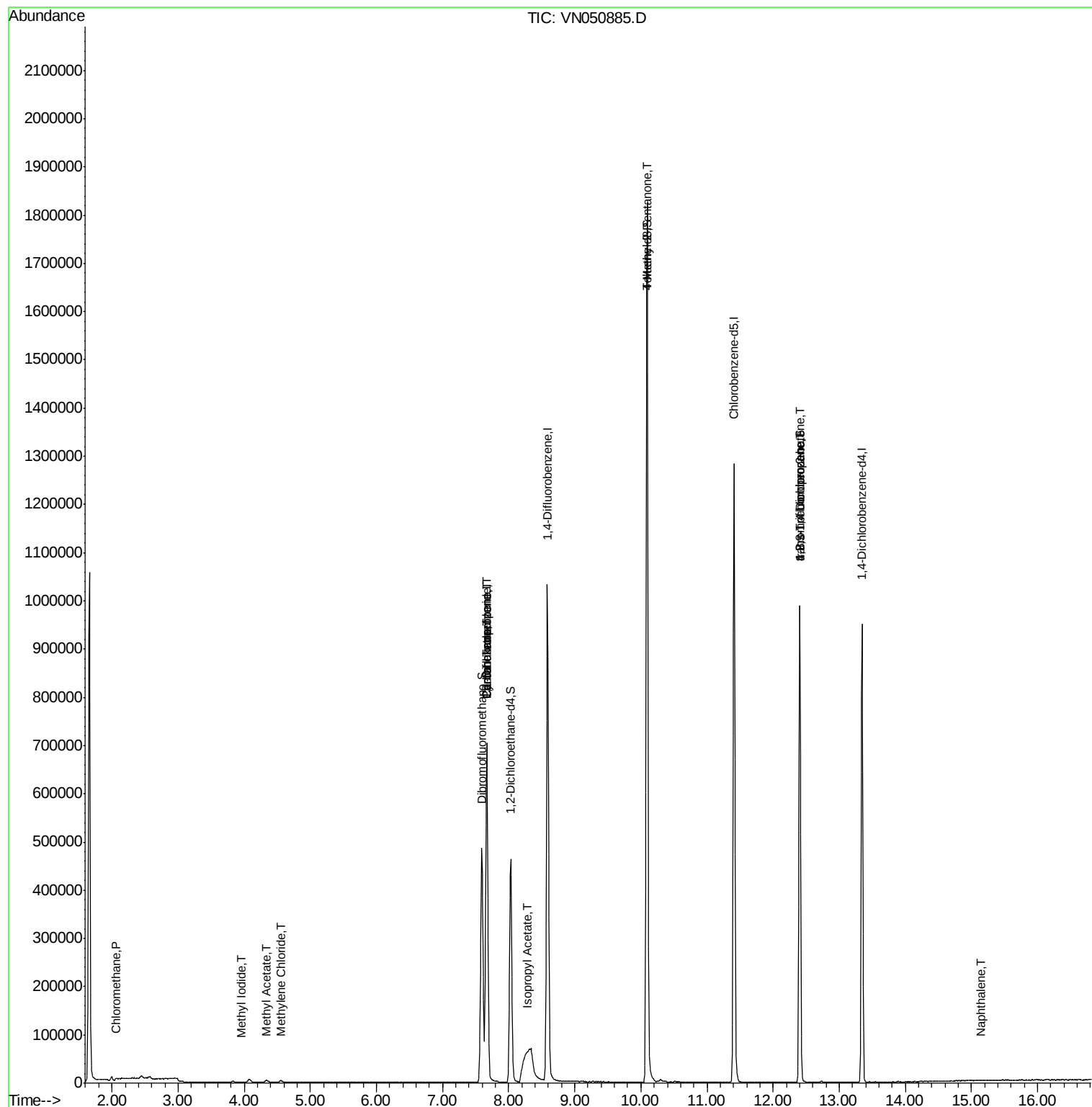
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2506	0.25	ug/l	89
5) Bromomethane	2.57	94	2400	Below Cal	#	77
10) Methyl Iodide	3.95	142	271	6.38	ug/l	# 43
16) Acetone	3.82	43	4637	Below Cal		91
18) Methyl Acetate	4.34	43	8739	1.27	ug/l	95
20) Methylene Chloride	4.55	84	2955	0.36	ug/l	# 78
31) Cyclohexane	7.67	56	10257	1.29	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	40569	3.48	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	53478	4.54	ug/l	# 17
43) Isopropyl Acetate	8.27	43	84813	7.37	ug/l	# 58
51) 4-Methyl-2-Pentanone	10.09	43	4635	0.67	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.40	83	112	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	160582	34.11	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	160582	115.33	ug/l	# 15
95) Naphthalene	15.14	128	62	5.41	ug/l	# 69

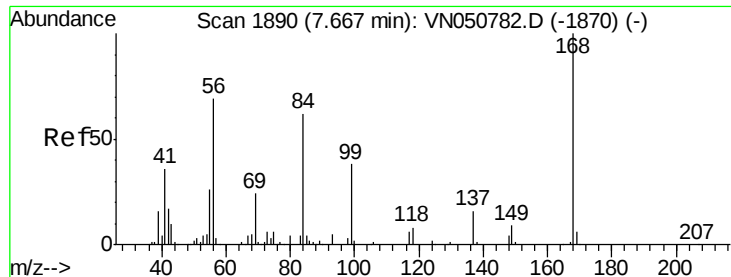
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

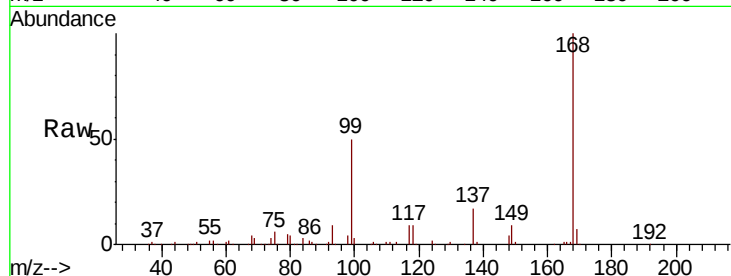
STORAGEBLANK-SAMPLEMANAG

Tot Ion:168 Resp: 603661

Ion Ratio Lower Upper

168 100

99 50.0 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

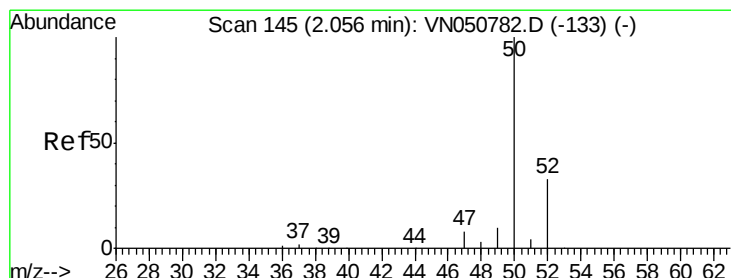
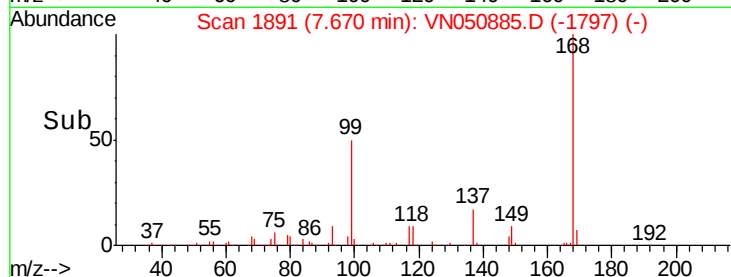
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.25 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050885.D

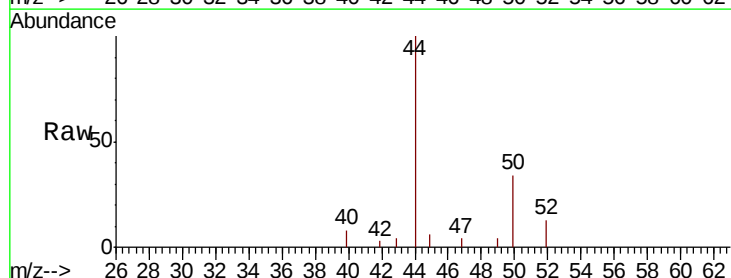
Acq: 24 Aug 2018 18:34

Tgt Ion: 50 Resp: 2506

Ion Ratio Lower Upper

50 100

52 38.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

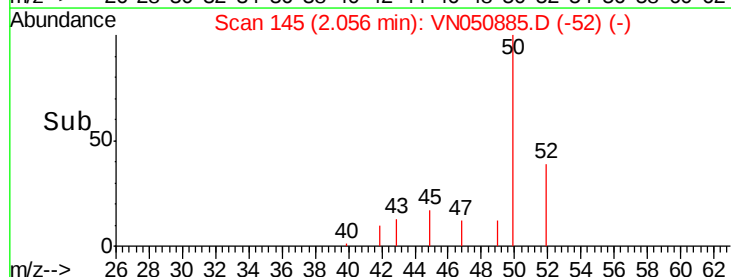
1500

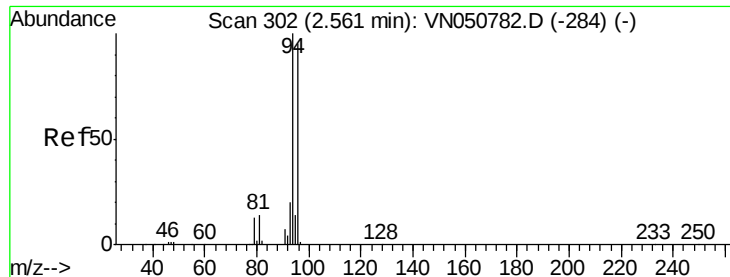
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

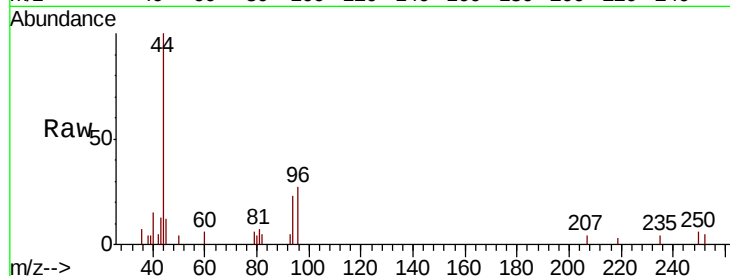
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 94 Resp: 2400

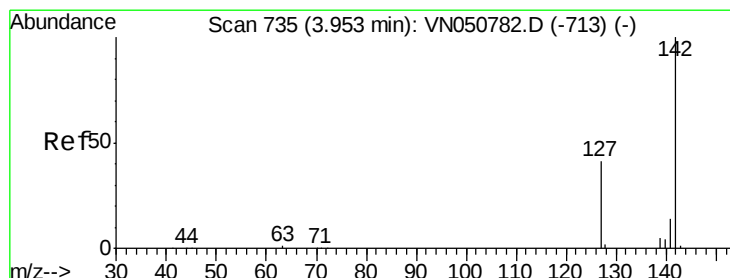
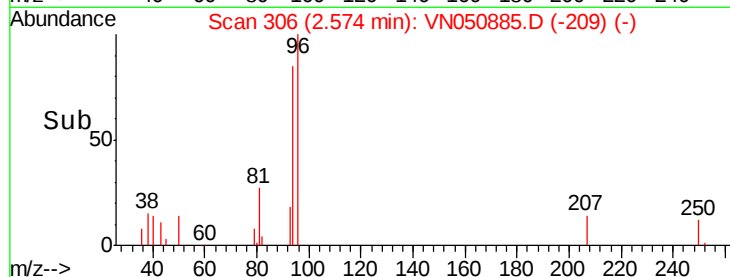
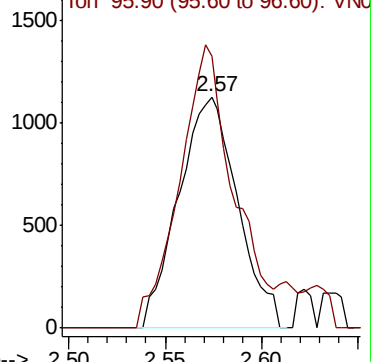
Ion Ratio Lower Upper

94 100

96 117.6 76.2 114.2#



Abundance Ion 93.90 (93.60 to 94.60): VN050782.D (-284) (-)



#10

Methyl Iodide

Concen: 6.38 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

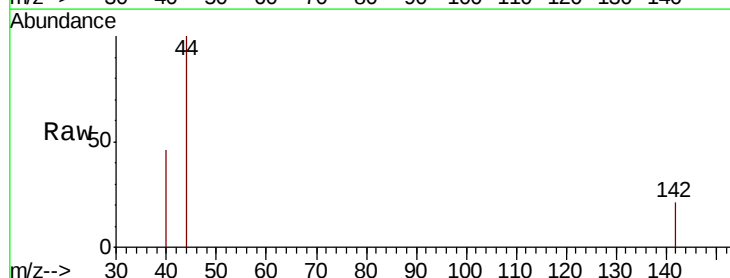
Tgt Ion: 142 Resp: 271

Ion Ratio Lower Upper

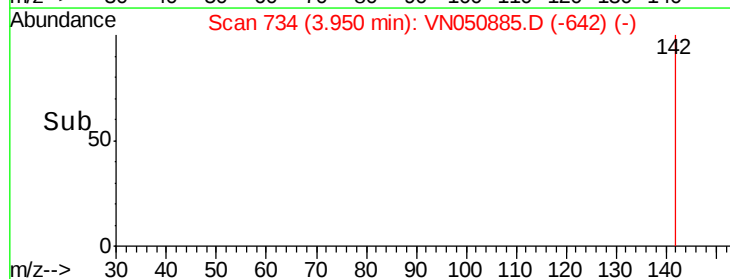
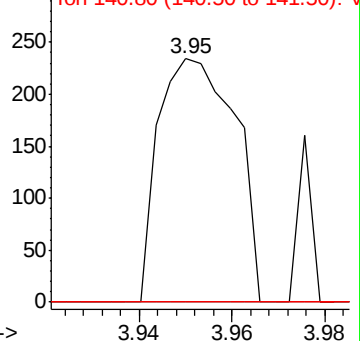
142 100

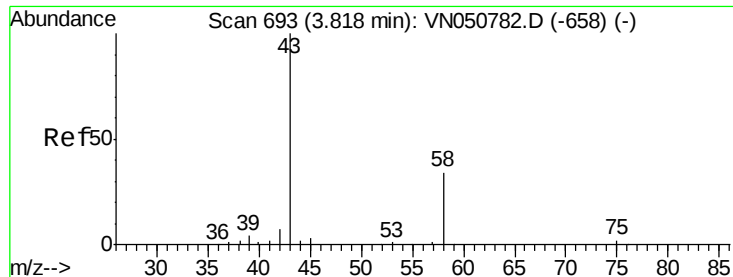
127 0.0 31.7 47.5#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VN050782.D (-713) (-)





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

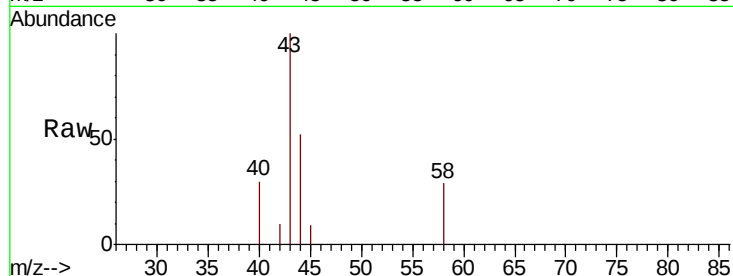
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 43 Resp: 4637

Ion Ratio Lower Upper

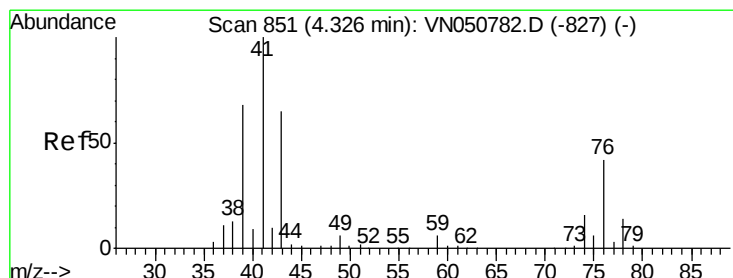
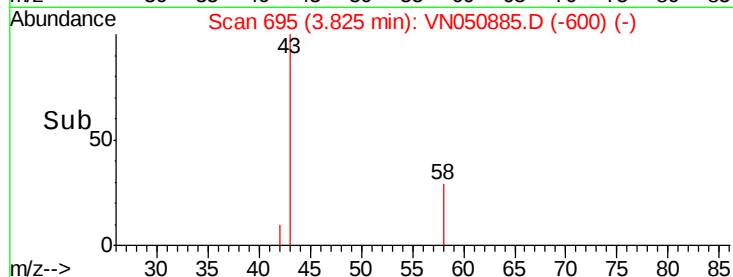
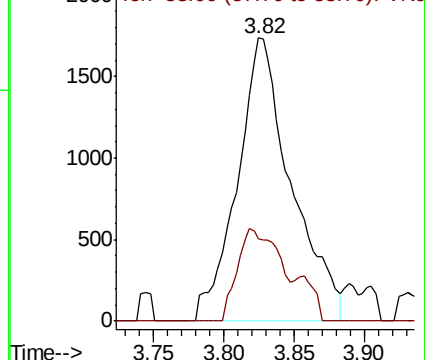
43 100

58 29.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.27 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050885.D

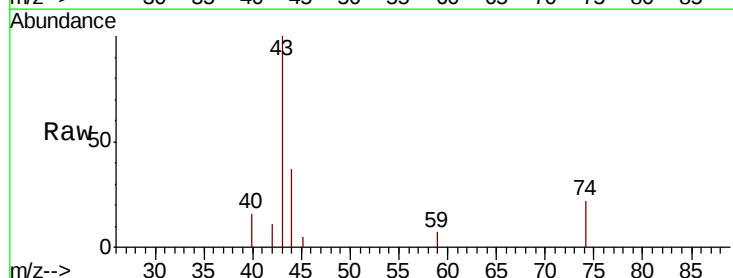
Acq: 24 Aug 2018 18:34

Tgt Ion: 43 Resp: 8739

Ion Ratio Lower Upper

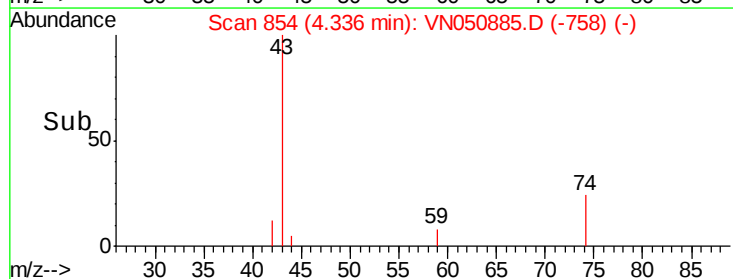
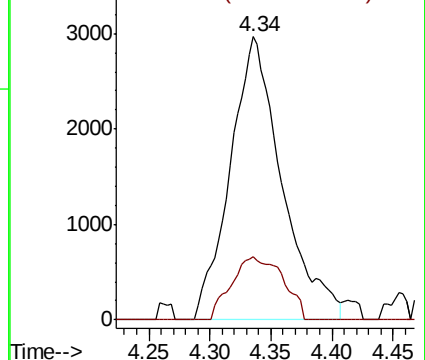
43 100

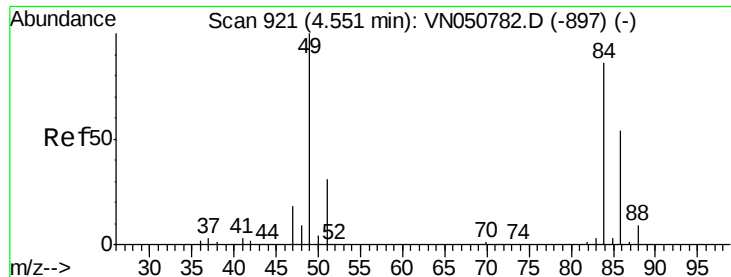
74 22.2 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

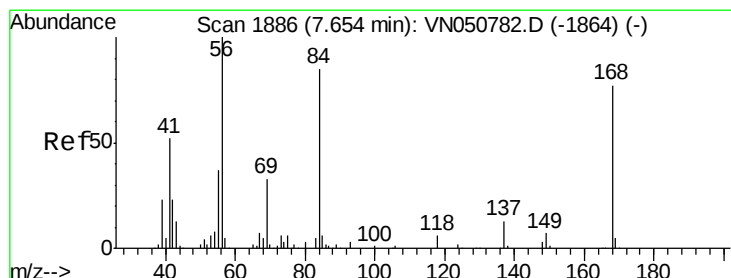
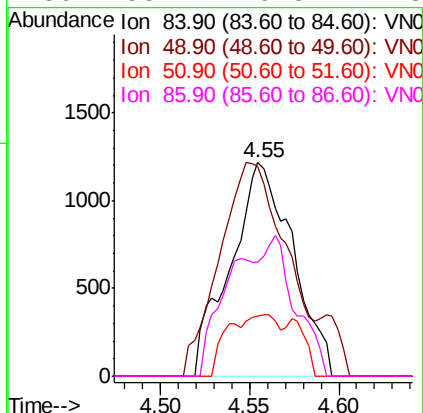
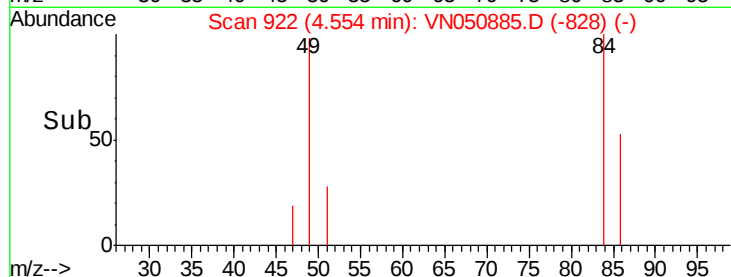
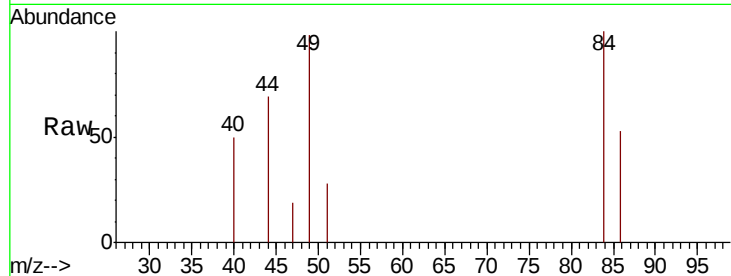




#20
Methvlene Chloride
Concen: 0.36 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050885.D
Acq: 24 Aug 2018 18:34

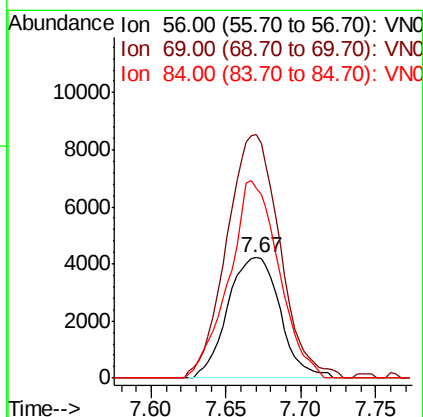
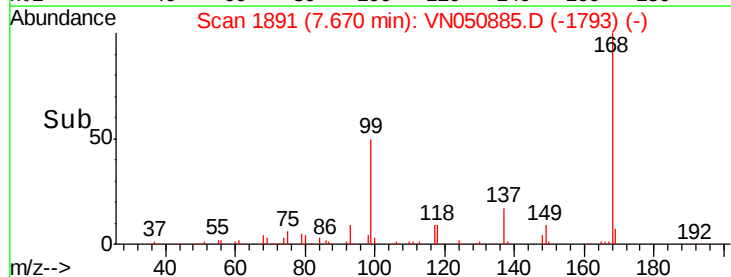
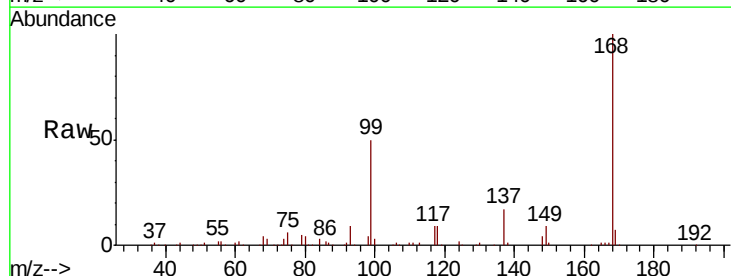
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

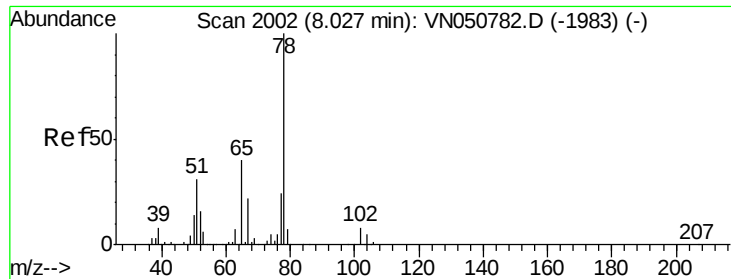
Tot Ion: 84 Resp: 2955
Ion Ratio Lower Upper
84 100
49 84.1 93.2 139.8#
51 28.1 29.0 43.6#
86 53.2 49.8 74.8



#31
Cyclohexane
Concen: 1.29 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN050885.D
Acq: 24 Aug 2018 18:34

Tgt Ion: 56 Resp: 10257
Ion Ratio Lower Upper
56 100
69 197.9 26.2 39.4#
84 157.5 68.3 102.5#





#33

1,2-Dichloroethane-d4

Concen: 54.67 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

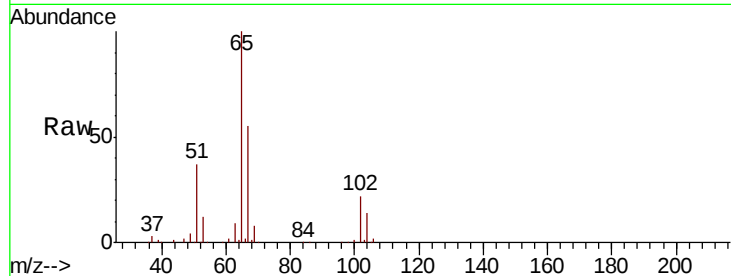
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 65 Resp: 397273

Ion Ratio Lower Upper

65 100

67 54.6 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

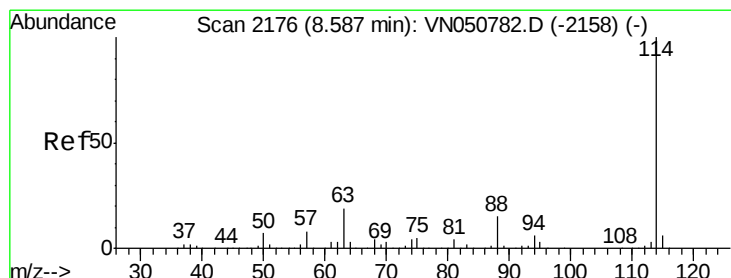
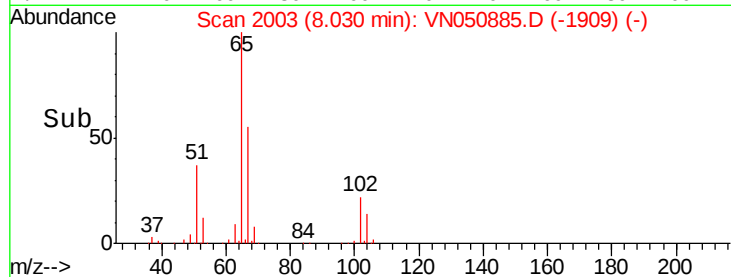
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

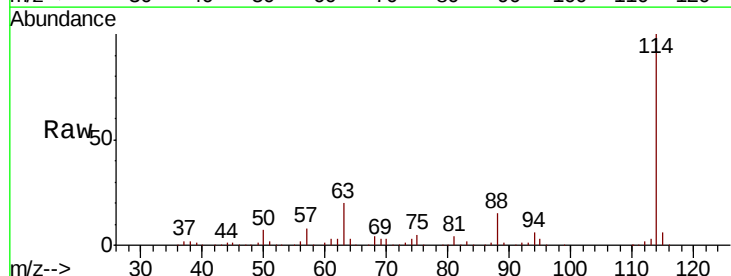
Tgt Ion: 114 Resp: 987617

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

88 15.5 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

600000

500000

400000

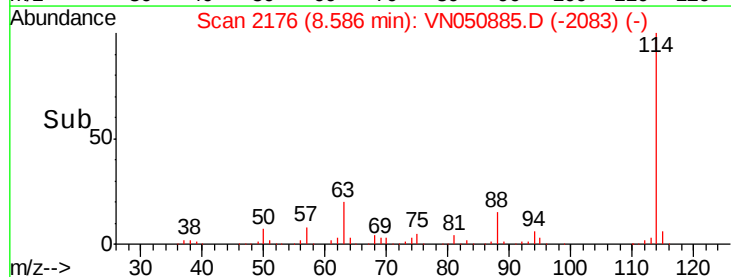
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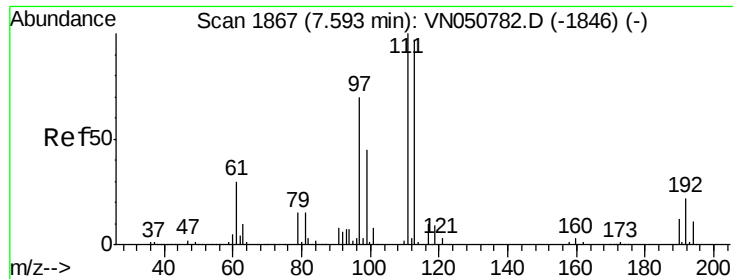
200000

100000

0

Time--> 8.50 8.60 8.70 8.80

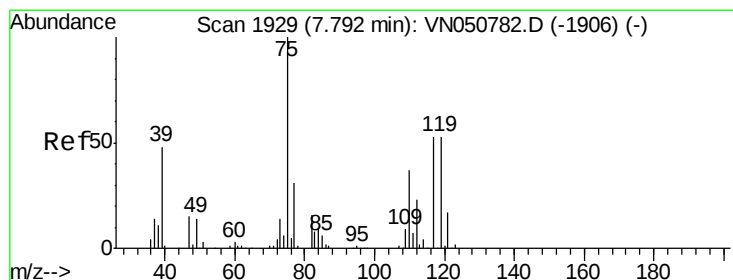
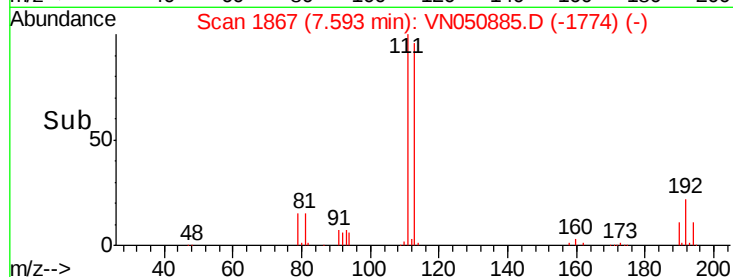
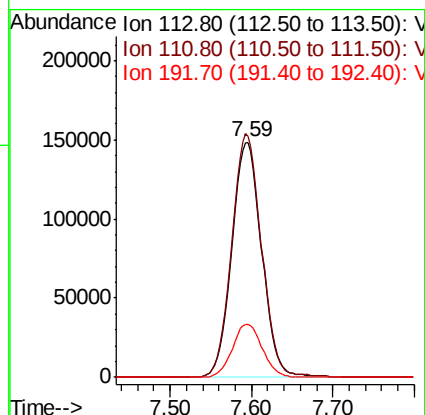
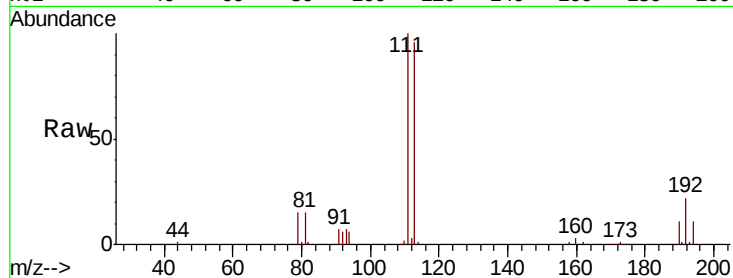




#35
 Dibromofluoromethane
 Concen: 48.36 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050885.D
 Acq: 24 Aug 2018 18:34

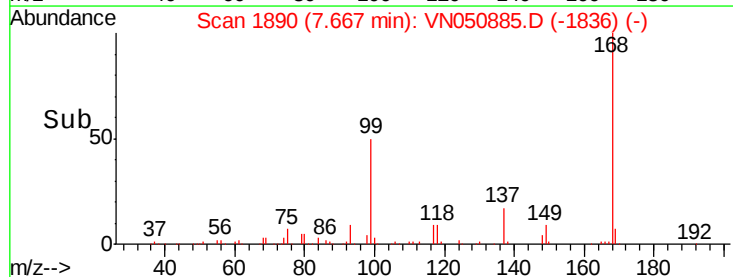
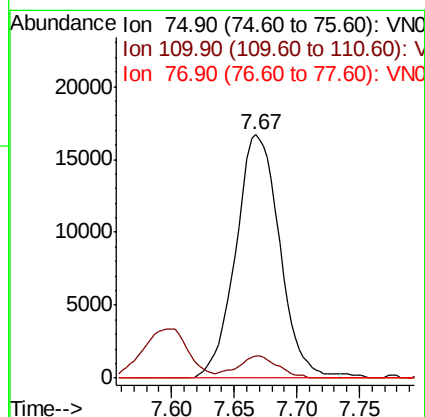
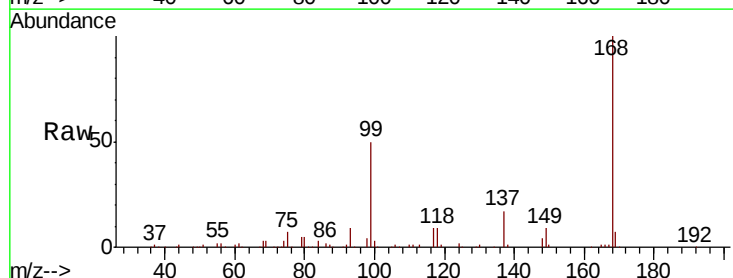
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

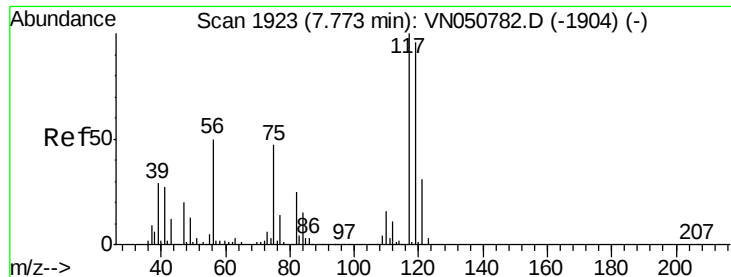
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	123.8
192	22.7	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.48 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050885.D
 Acq: 24 Aug 2018 18:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.4#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 4.54 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

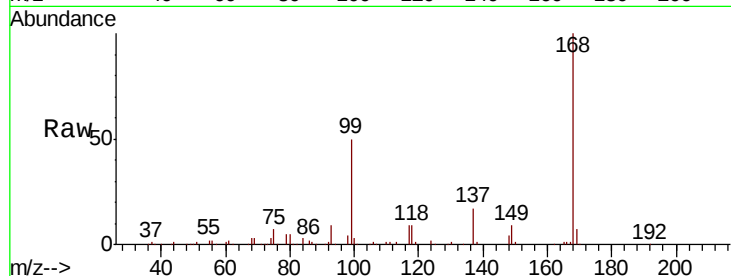
Tot Ion:117 Resp: 53478

Ion Ratio Lower Upper

117 100

119 5.6 76.3 114.5#

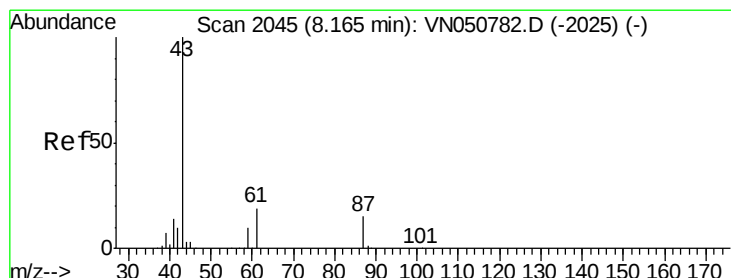
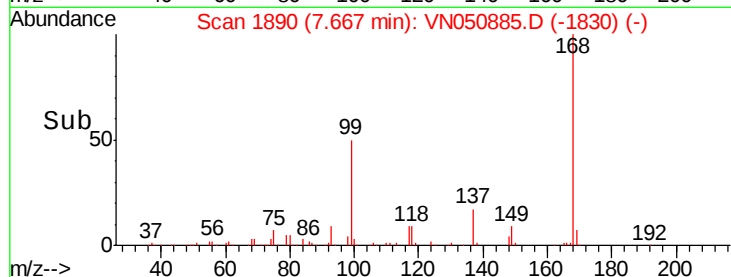
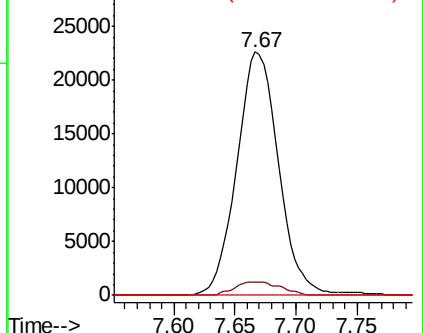
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 7.37 ug/l

RT: 8.27 min Scan# 2078

Delta R.T. 0.11 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

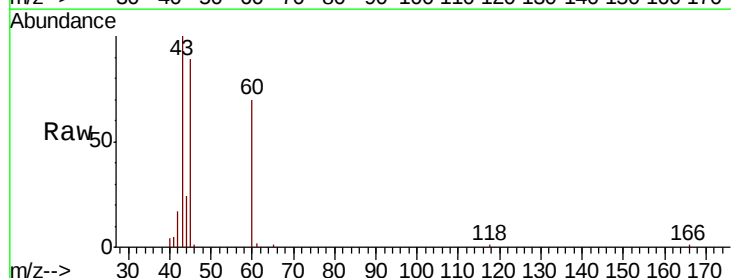
Tgt Ion: 43 Resp: 84813

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

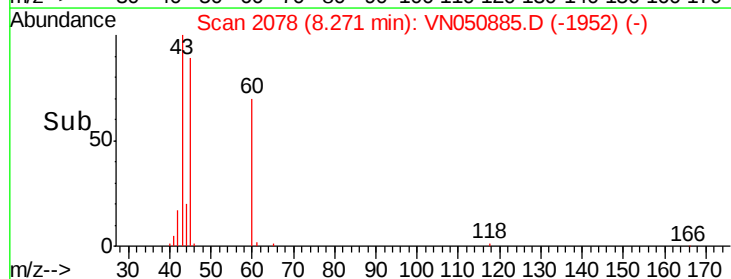
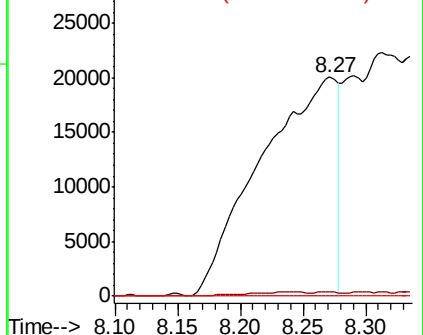
87 0.0 11.3 16.9#

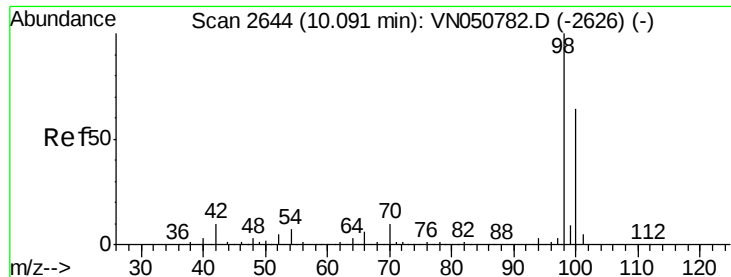


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 45.61 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

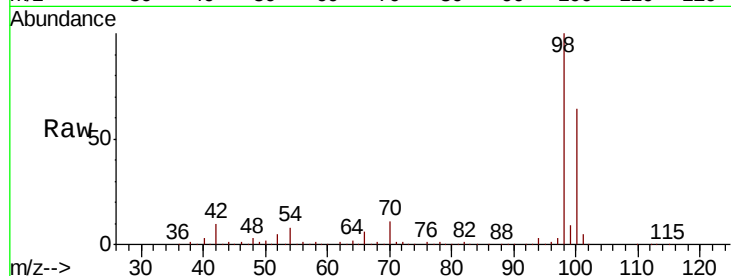
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 98 Resp: 1339711

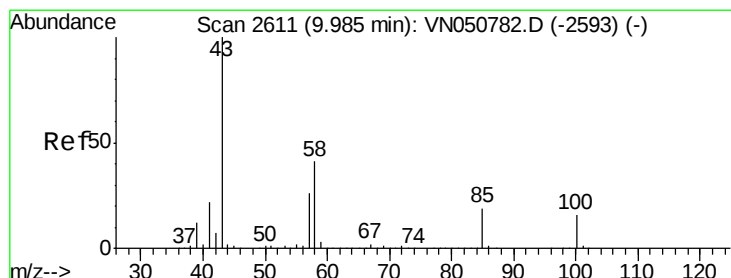
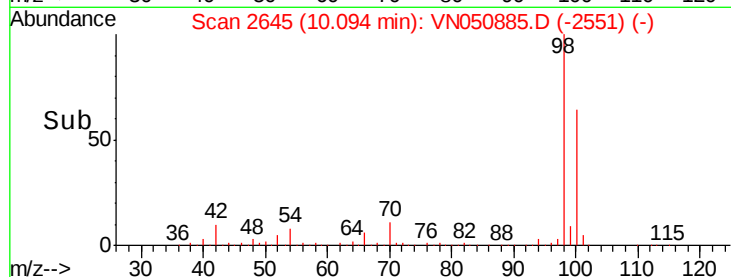
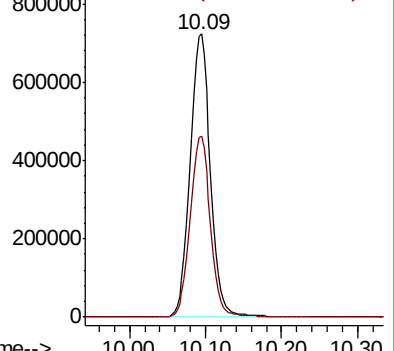
Ion Ratio Lower Upper

98 100

100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN050782.D (-2626) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.67 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.11 min

Lab File: VN050885.D

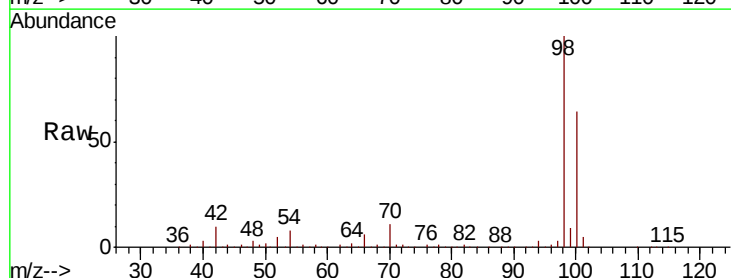
Acq: 24 Aug 2018 18:34

Tgt Ion: 43 Resp: 4635

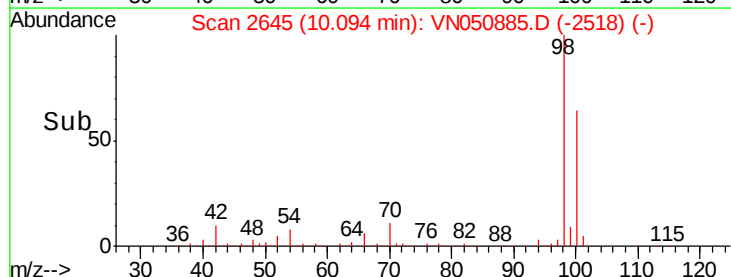
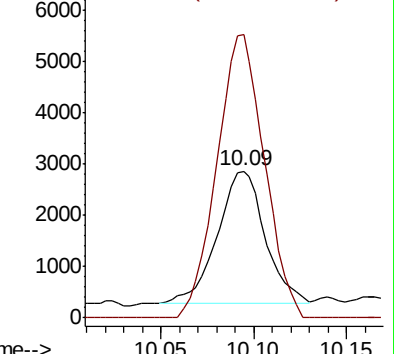
Ion Ratio Lower Upper

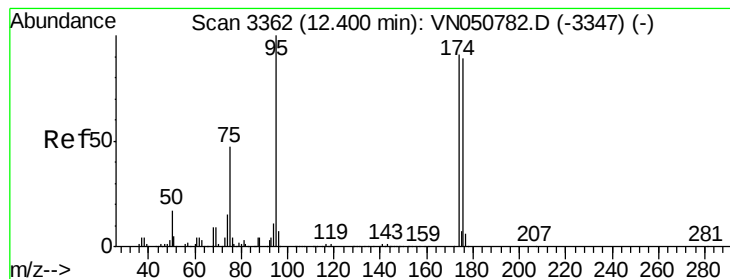
43 100

58 212.4 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-2593) (-)





#62

4-Bromofluorobenzene

Concen: 35.58 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

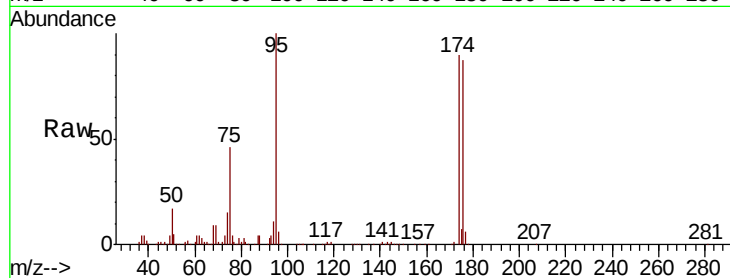
Tot Ion: 95 Resp: 347293

Ion Ratio Lower Upper

95 100

174 90.8 0.0 183.0

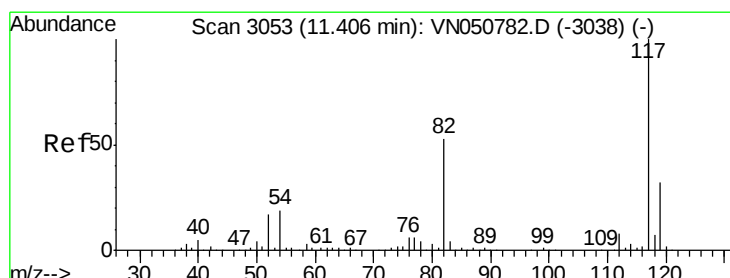
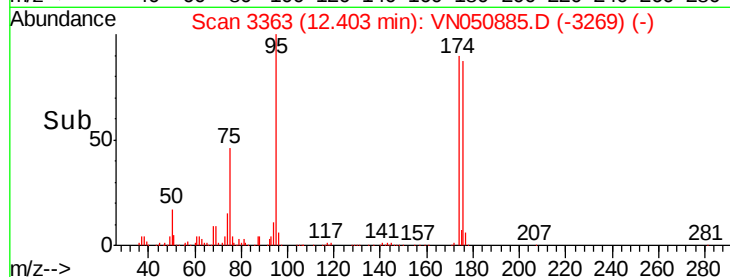
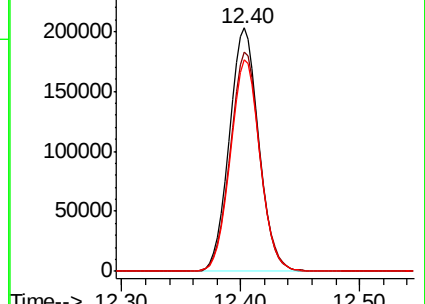
176 87.6 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN050782.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN050782.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN050782.D (-3347) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

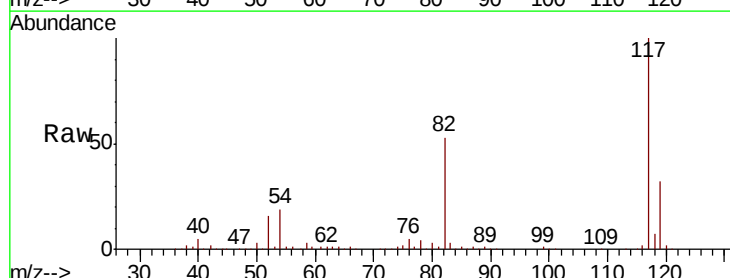
Tgt Ion: 117 Resp: 810858

Ion Ratio Lower Upper

117 100

82 52.7 42.6 64.0

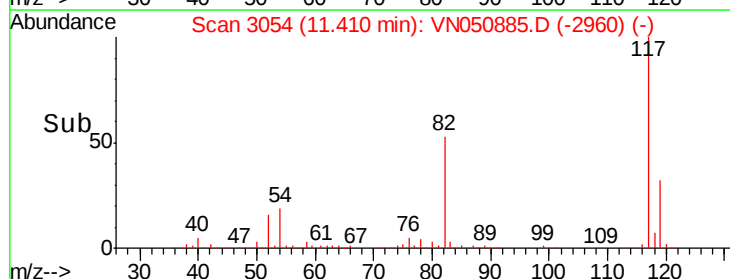
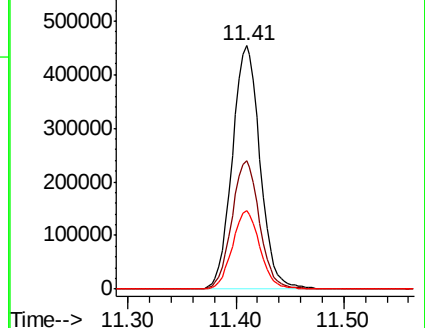
119 32.2 25.8 38.6

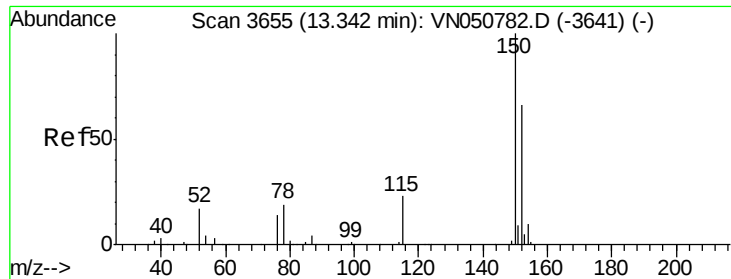


Abundance Ion 116.90 (116.60 to 117.60): VN050782.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050782.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050782.D (-3038) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

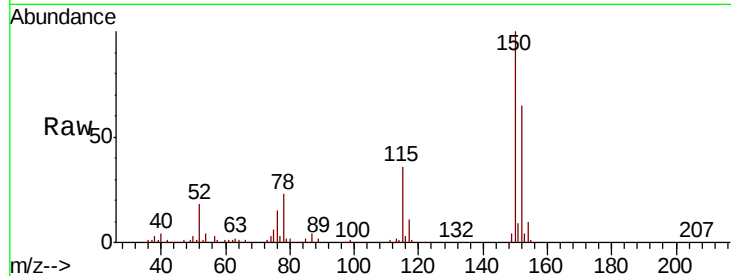
Tot Ion:152 Resp: 268749

Ion Ratio Lower Upper

152 100

115 56.4 27.8 83.4

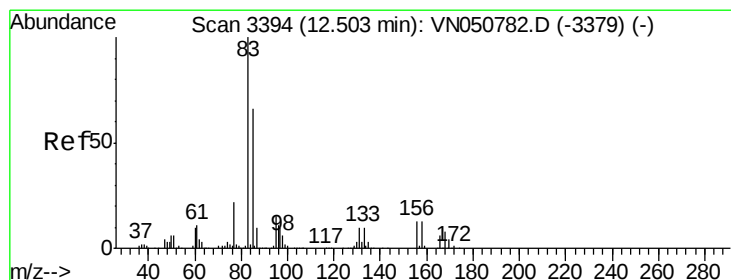
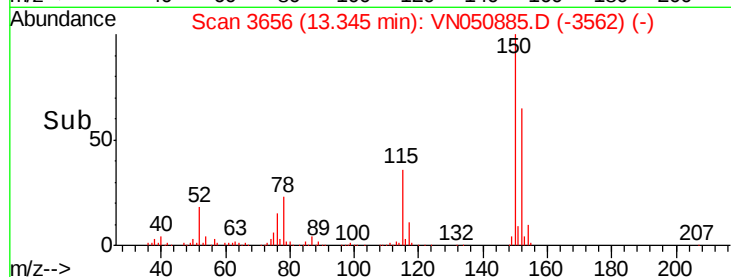
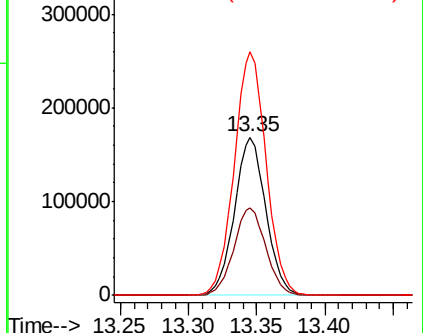
150 156.3 0.0 351.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3363

Delta R.T. -0.10 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

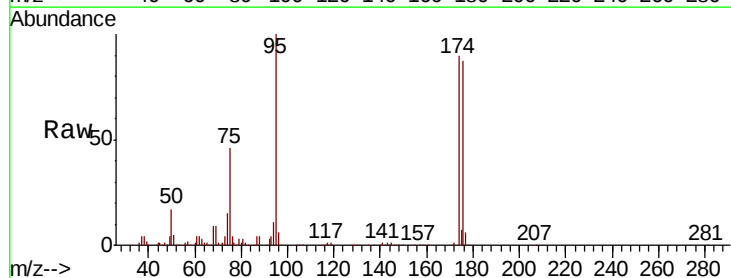
Tgt Ion: 83 Resp: 112

Ion Ratio Lower Upper

83 100

131 350.0 5.3 15.9#

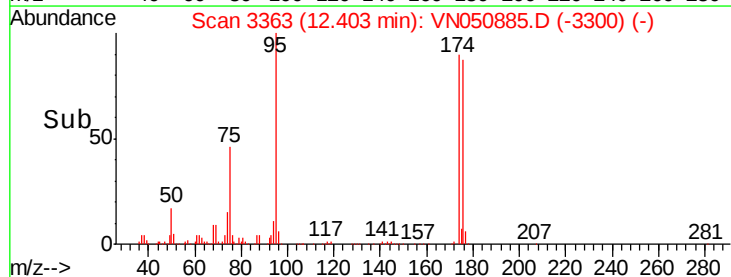
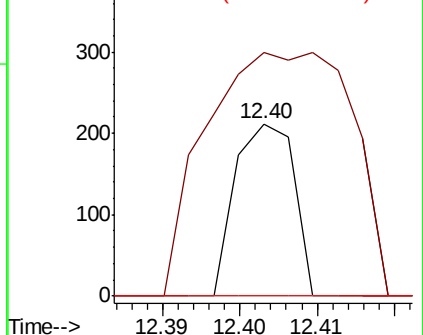
85 0.0 31.9 95.7#

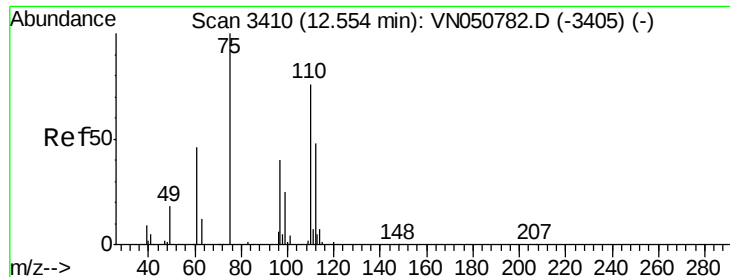


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 34.11 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

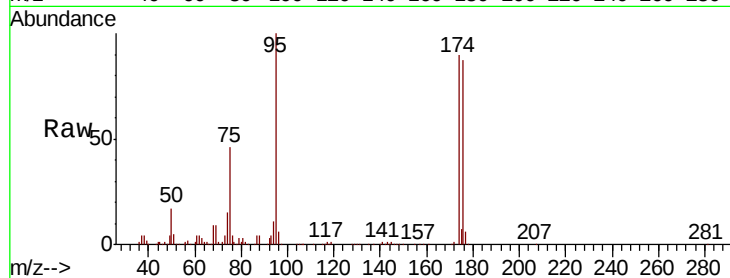
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 75 Resp: 160582

Ion Ratio Lower Upper

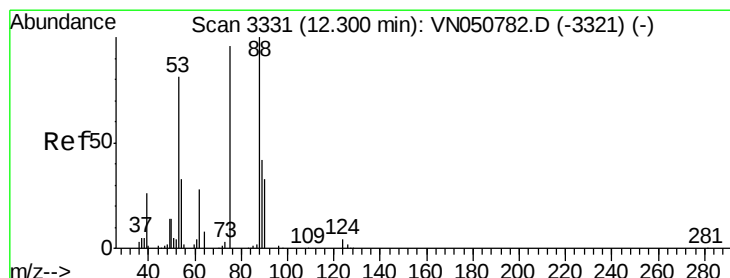
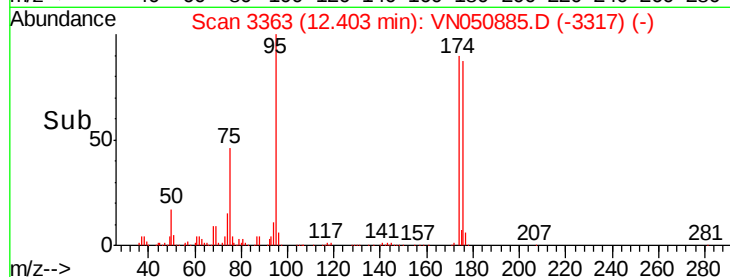
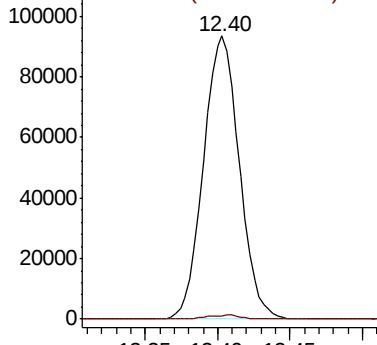
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 115.33 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050885.D

Acq: 24 Aug 2018 18:34

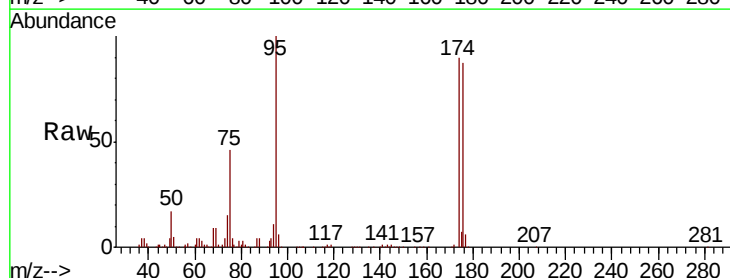
Tgt Ion: 75 Resp: 160582

Ion Ratio Lower Upper

75 100

53 0.2 68.9 103.3#

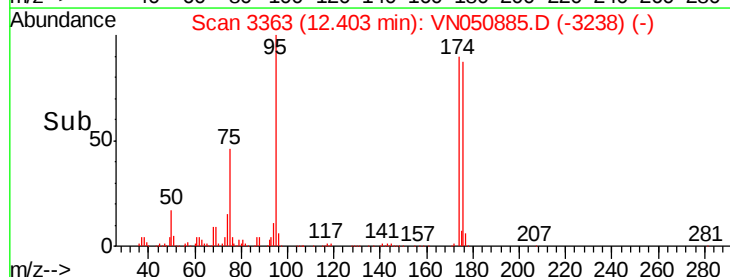
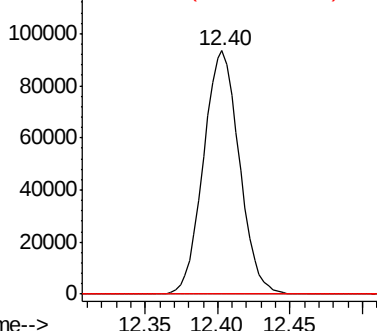
89 0.0 36.1 54.1#

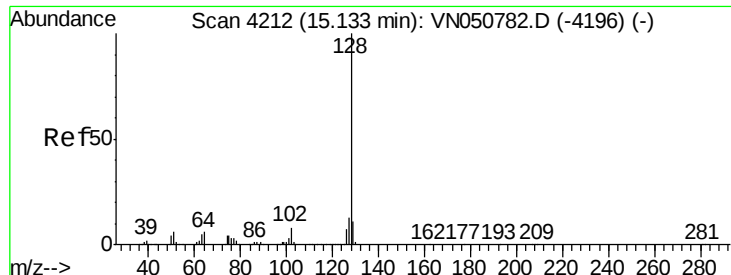


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

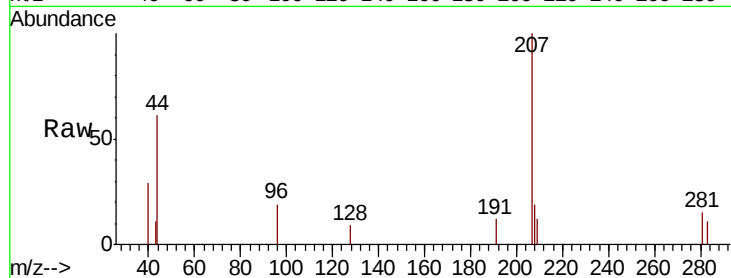




#95
 Naphthalene
 Concen: 5.41 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050885.D
 Acq: 24 Aug 2018 18:34

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
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

