

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050793.D
 Acq On : 21 Aug 2018 20:33
 Operator : MD\SY
 Sample : J4544-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE BLANK-WATERREF-4

Quant Time: Aug 22 06:43:35 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

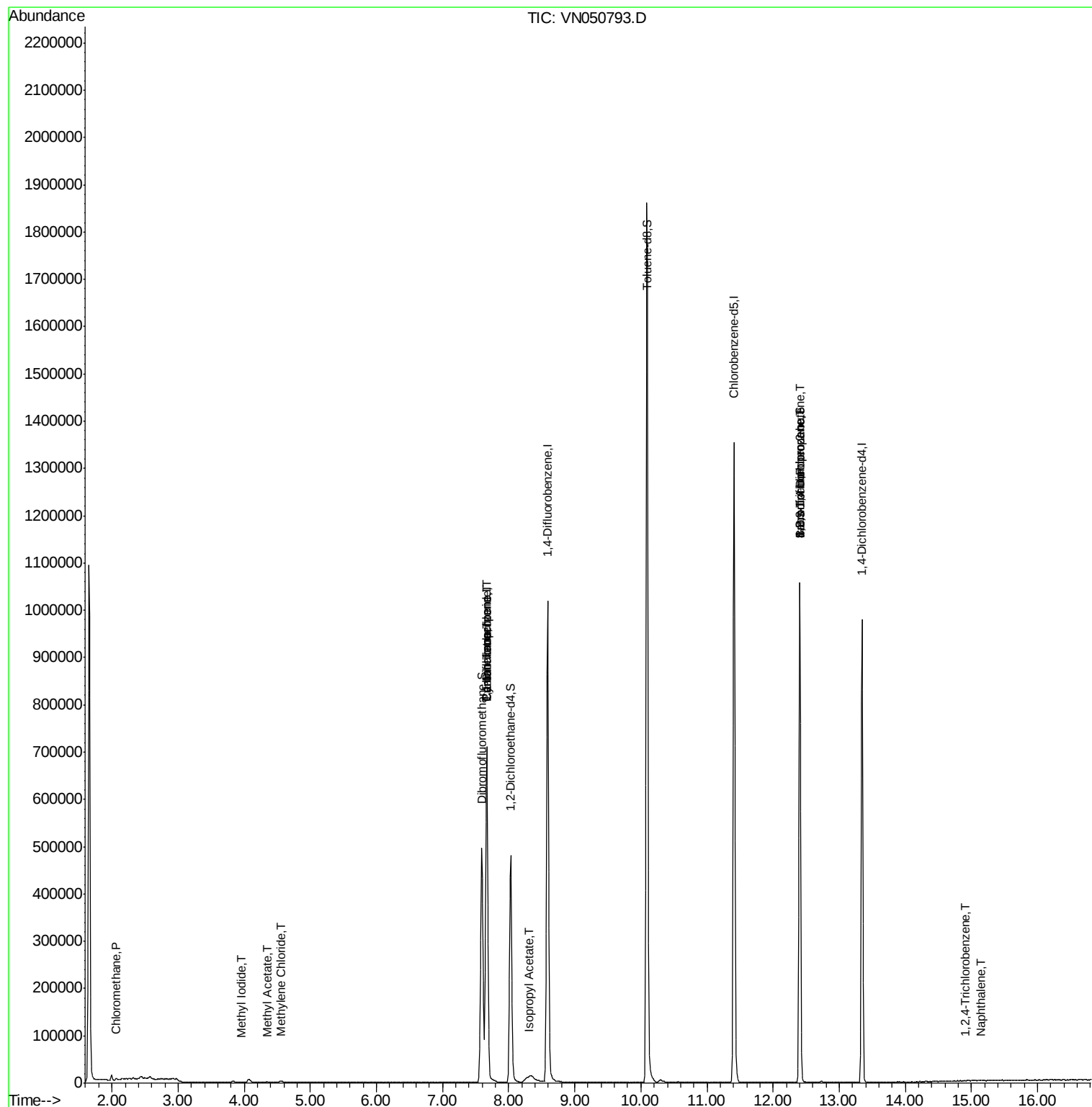
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	622823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	965863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	850599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	278461	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	409752	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
35) Dibromofluoromethane	7.59	113	388931	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	10.09	98	1370562	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.40	95	364771	38.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.42%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.06	50	2586	0.252	ug/l	99
5) Bromomethane	2.58	94	2996	Below Cal		99
10) Methyl Iodide	3.95	142	1127	6.484	ug/l #	60
16) Acetone	3.82	43	2583	Below Cal		90
18) Methyl Acetate	4.34	43	2355	0.333	ug/l #	73
20) Methylene Chloride	4.56	84	2311	0.273	ug/l	94
31) Cyclohexane	7.67	56	10488	1.281	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	41346	3.628	ug/l #	49
38) Carbon Tetrachloride	7.67	117	54288	4.712	ug/l #	17
43) Isopropyl Acetate	8.30	43	13171	1.170	ug/l #	58
71) Bromoform	12.40	173	2228	0.398	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	29	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	172967	35.464	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	172967	119.889	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	30	4.088	ug/l #	1
95) Naphthalene	15.14	128	400	5.432	ug/l #	69

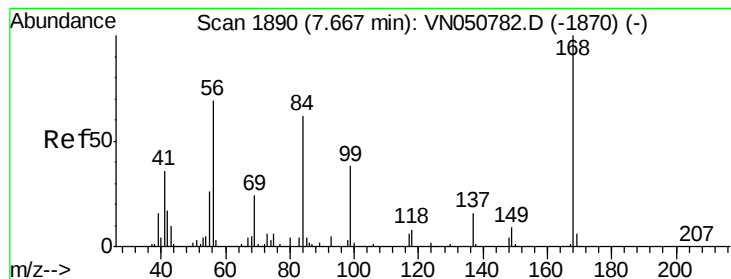
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050793.D

Acq: 21 Aug 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

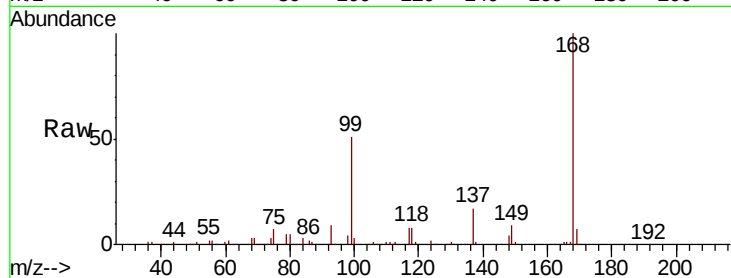
STORAGEBLANK-WATERREF-4

Tot Ion:168 Resp: 622823

Ion Ratio Lower Upper

168 100

99 50.7 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

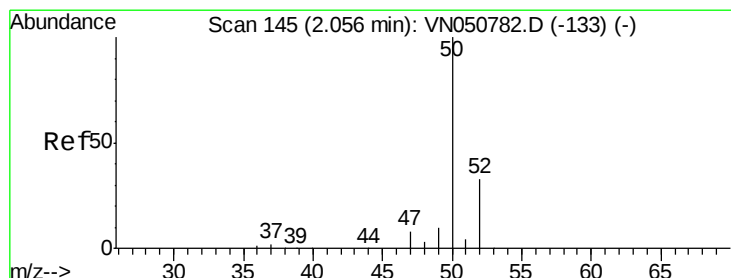
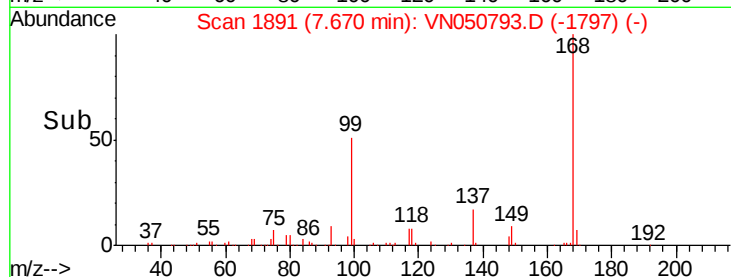
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.252 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050793.D

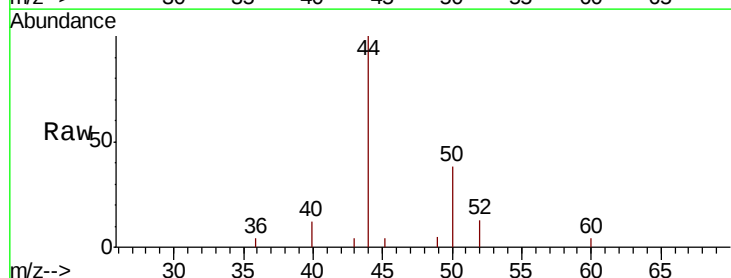
Acq: 21 Aug 2018 20:33

Tgt Ion: 50 Resp: 2586

Ion Ratio Lower Upper

50 100

52 33.6 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2000

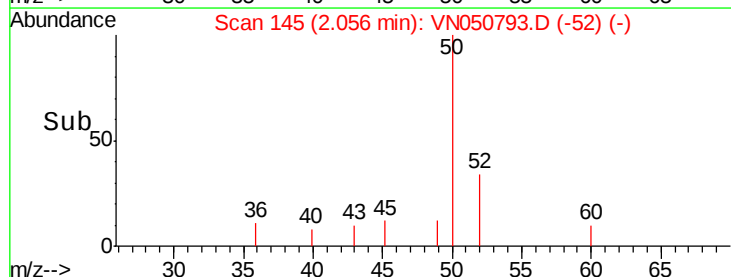
1500

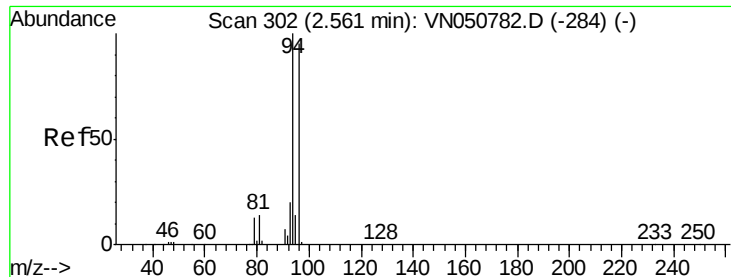
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 307

Delta R.T. 0.02 min

Lab File: VN050793.D

Acq: 21 Aug 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

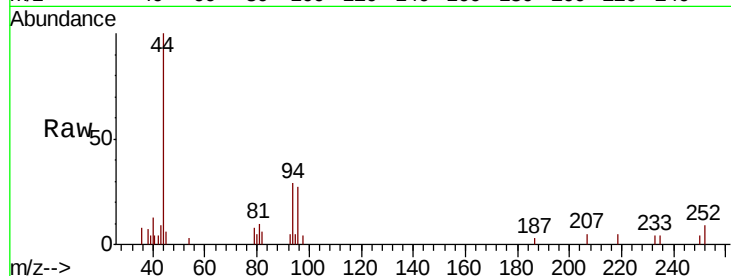
STORAGEBLANK-WATERREF-4

Tot Ion: 94 Resp: 2996

Ion Ratio Lower Upper

94 100

96 93.8 76.2 114.2



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

Ion 95.90 (95.60 to 96.60): VN050782.D (-284) (-)

2.58

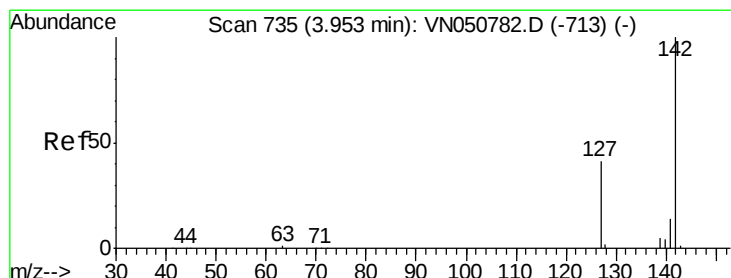
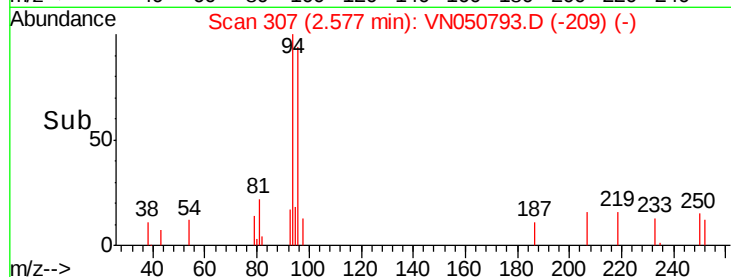
1500

1000

500

0

Time--> 2.50 2.55 2.60



#10

Methyl Iodide

Concen: 6.484 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050793.D

Acq: 21 Aug 2018 20:33

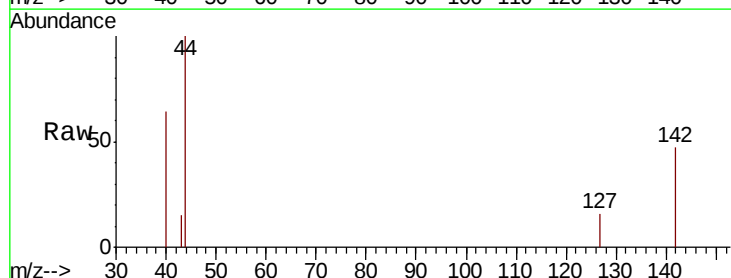
Tgt Ion: 142 Resp: 1127

Ion Ratio Lower Upper

142 100

127 14.1 31.7 47.5#

141 0.0 11.4 17.0#



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

Ion 126.80 (126.50 to 127.50): VN050782.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050782.D (-713) (-)

3.95

600

500

400

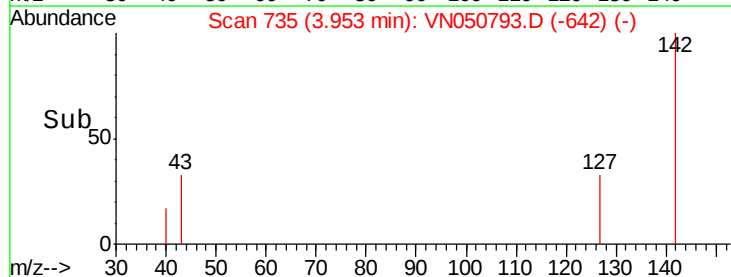
300

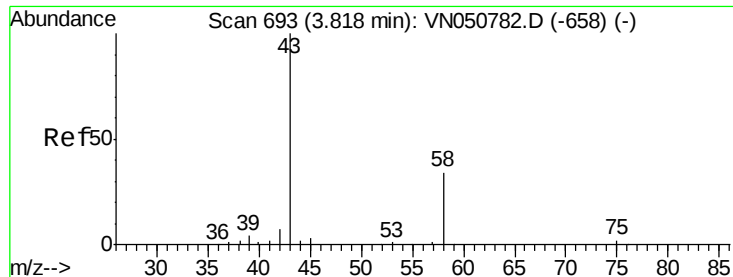
200

100

0

Time--> 3.90 3.95 4.00





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050793.D

Acq: 21 Aug 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

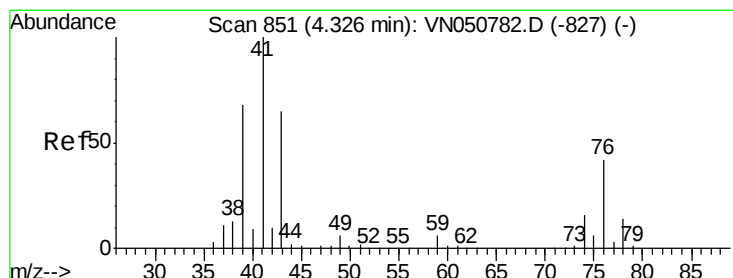
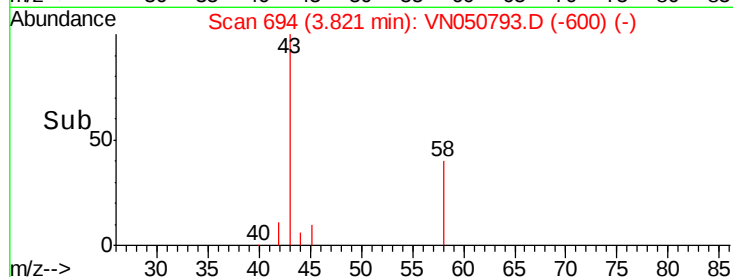
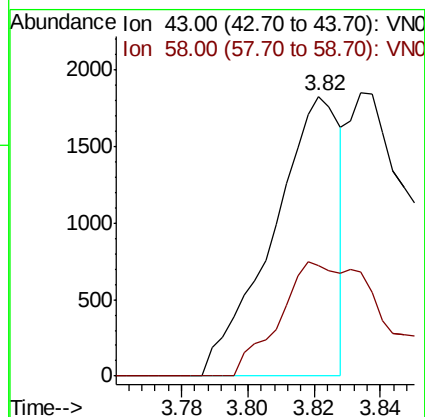
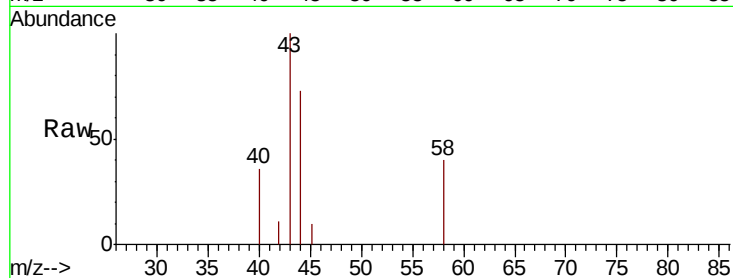
STORAGEBLANK-WATERREF-4

Tot Ion: 43 Resp: 2583

Ion Ratio Lower Upper

43 100

58 39.7 27.2 40.8



#18

Methyl Acetate

Concen: 0.333 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050793.D

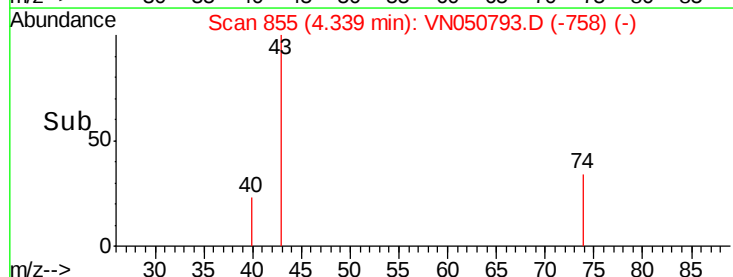
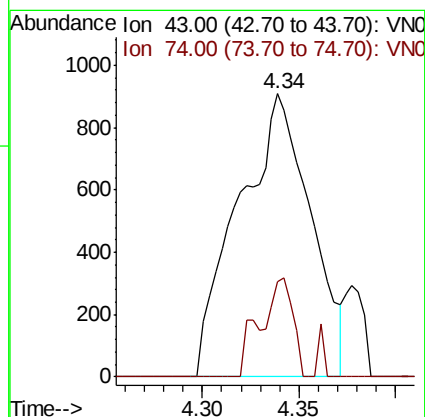
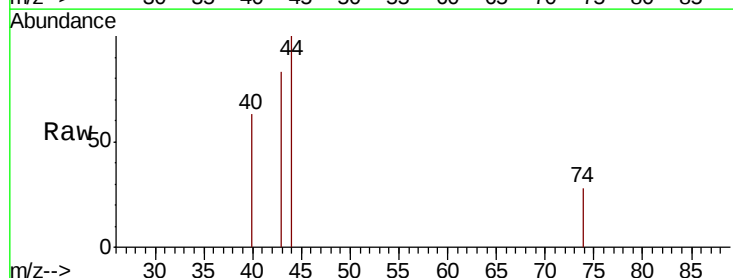
Acq: 21 Aug 2018 20:33

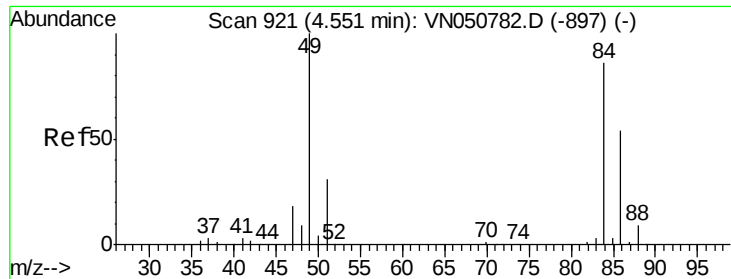
Tgt Ion: 43 Resp: 2355

Ion Ratio Lower Upper

43 100

74 11.4 19.8 29.8#

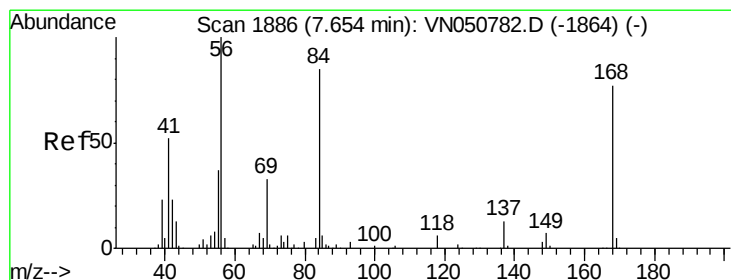
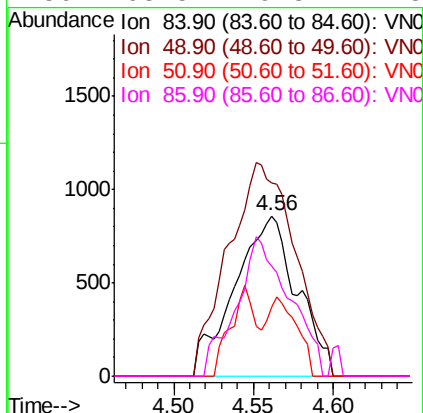
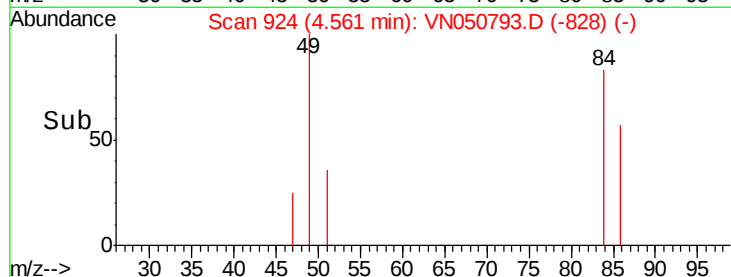
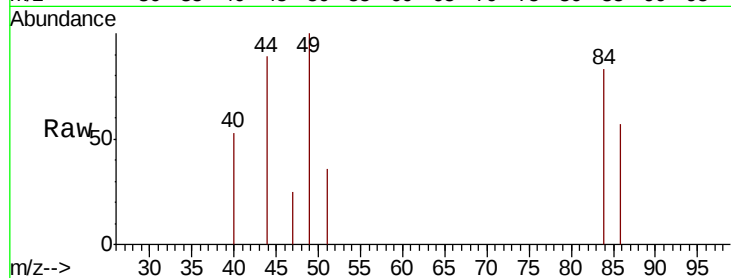




#20
Methvlene Chloride
Concen: 0.273 ug/l
RT: 4.56 min Scan# 924
Delta R.T. 0.01 min
Lab File: VN050793.D
Acq: 21 Aug 2018 20:33

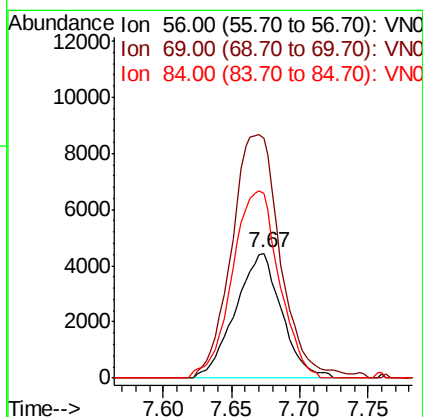
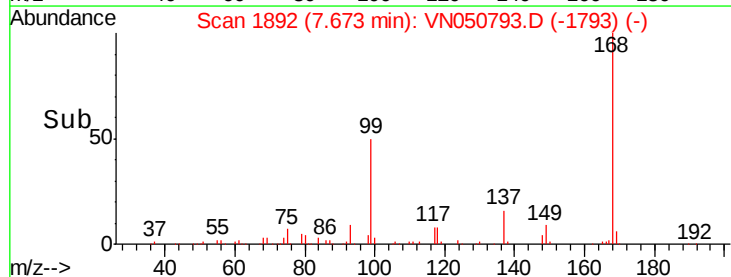
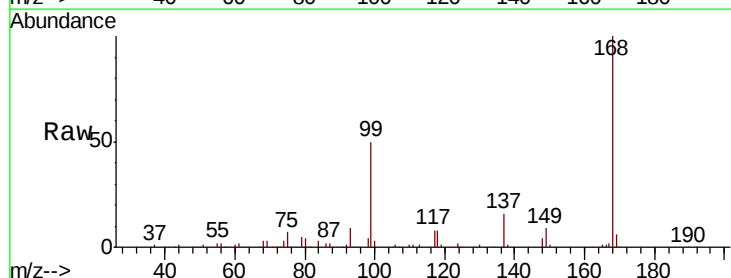
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-WATERREF-4

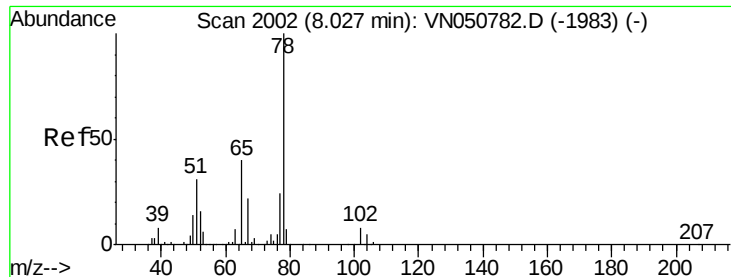
Tot Ion:	84	Resp:	2311
Ion	Ratio	Lower	Upper
84	100		
49	120.4	93.2	139.8
51	43.1	29.0	43.6
86	68.5	49.8	74.8



#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.67 min Scan# 1892
Delta R.T. 0.02 min
Lab File: VN050793.D
Acq: 21 Aug 2018 20:33

Tgt Ion:	56	Resp:	10488
Ion	Ratio	Lower	Upper
56	100		
69	191.6	26.2	39.4#
84	148.0	68.3	102.5#





#33

1,2-Dichloroethane-d4

Concen: 54.649 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050793.D

Acq: 21 Aug 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

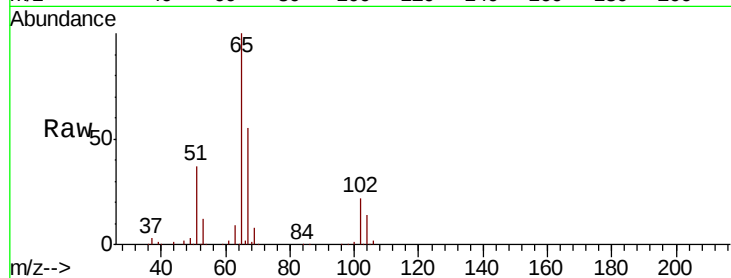
STORAGEBLANK-WATERREF-4

Tot Ion: 65 Resp: 409752

Ion Ratio Lower Upper

65 100

67 53.7 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN050782.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050782.D (-1983) (-)

8.03

200000

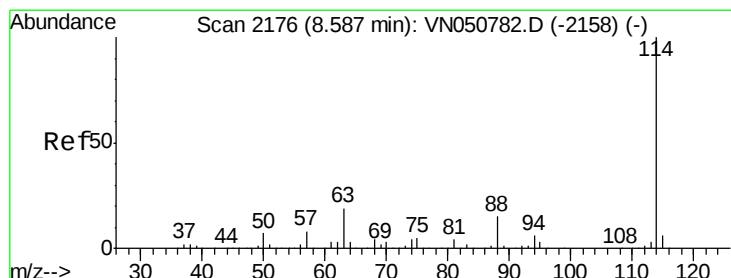
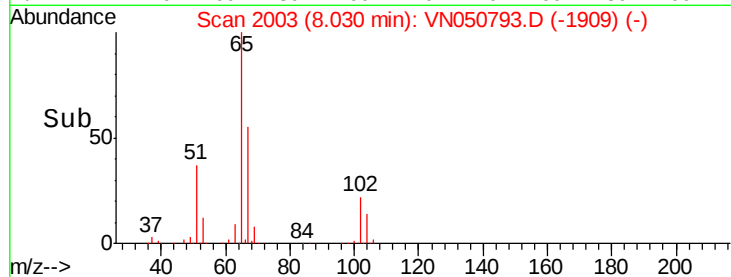
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050793.D

Acq: 21 Aug 2018 20:33

Tgt Ion: 114 Resp: 965863

Ion Ratio Lower Upper

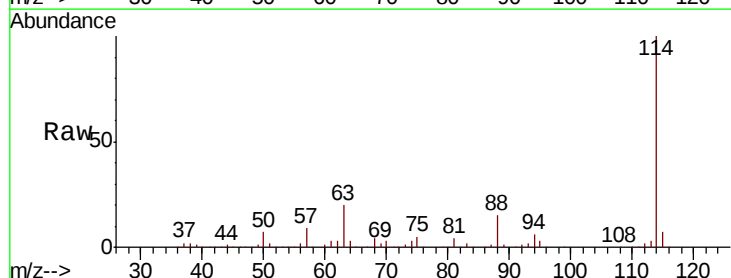
114 100

63 19.5

0.0 38.6

88 15.4

0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN050782.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050782.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050782.D (-2158) (-)

600000

500000

400000

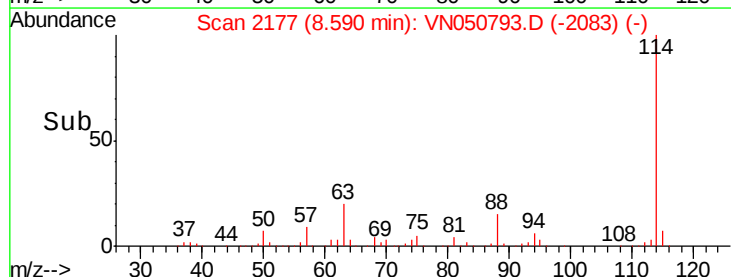
300000

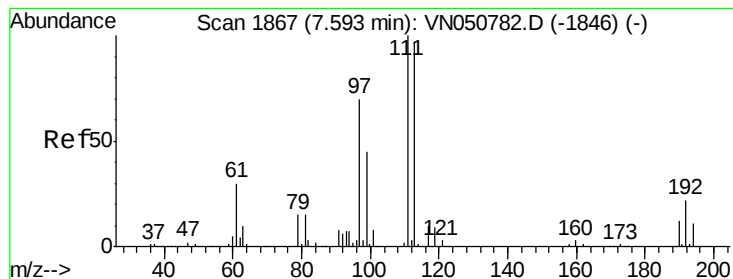
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.616 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN050793.D

Acq: 21 Aug 2018 20:33

Instrument :

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ClientSampleId :

STORAGEBLANK-WATERREF-4

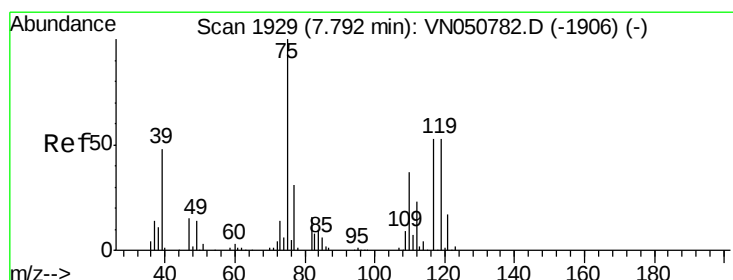
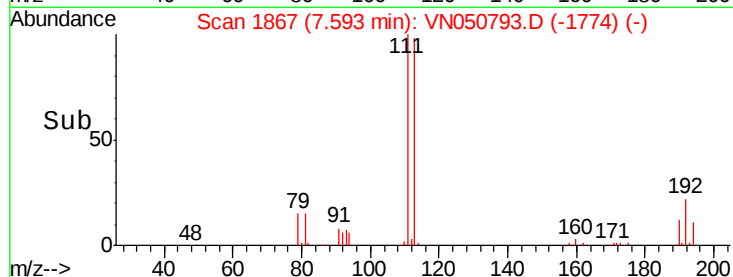
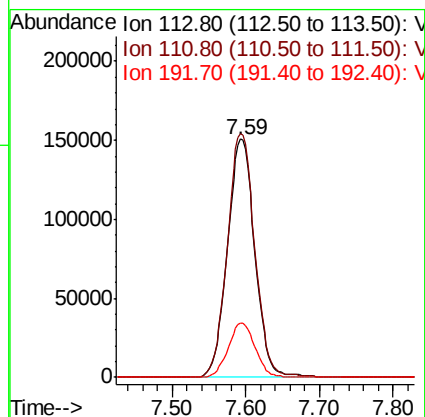
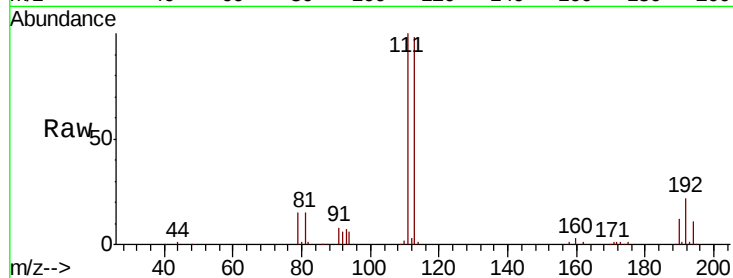
Tot Ion:113 Resp: 388931

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 22.6 18.0 27.0



#36

1,1-Dichloropropene

Concen: 3.628 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.12 min

Lab File: VN050793.D

Acq: 21 Aug 2018 20:33

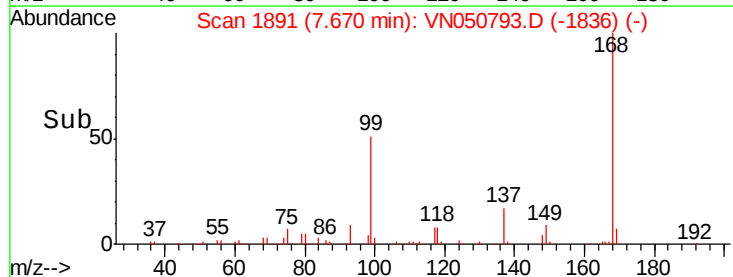
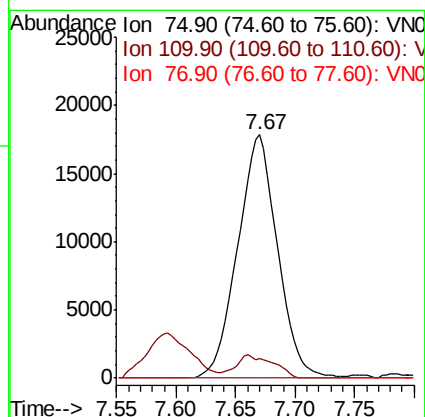
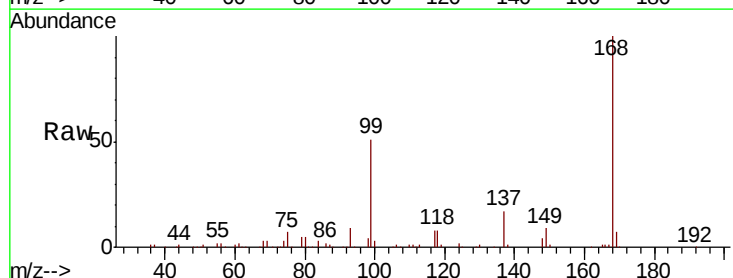
Tgt Ion: 75 Resp: 41346

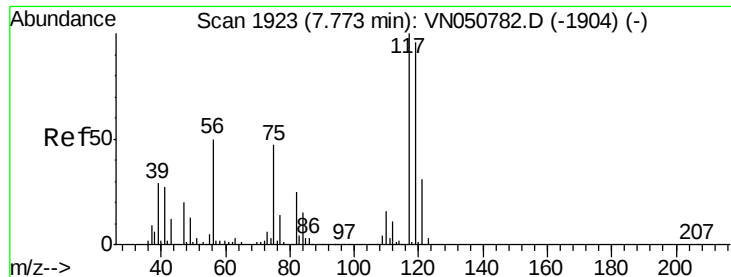
Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

77 0.0 24.8 37.2#

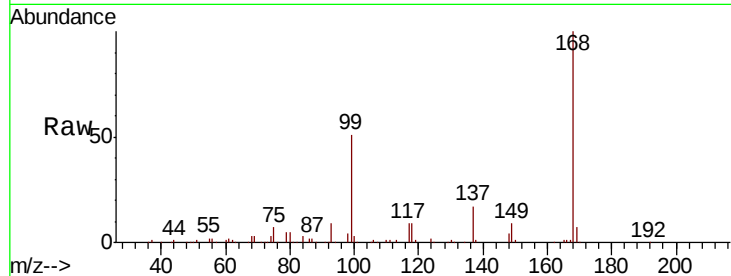




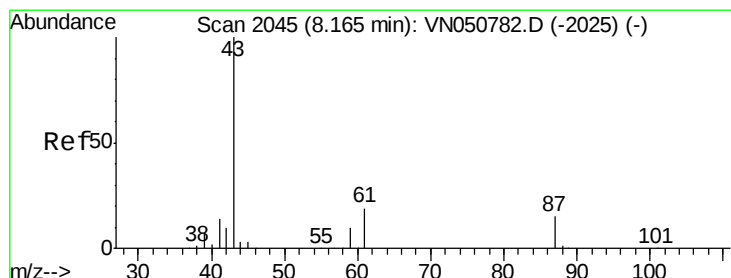
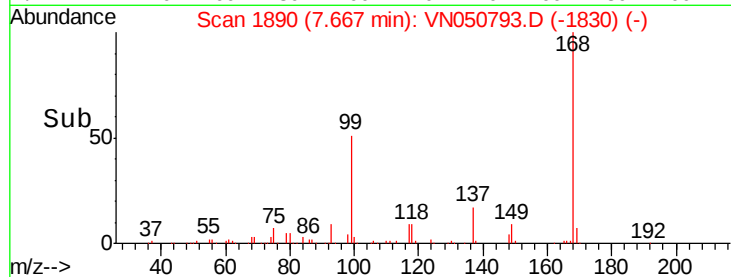
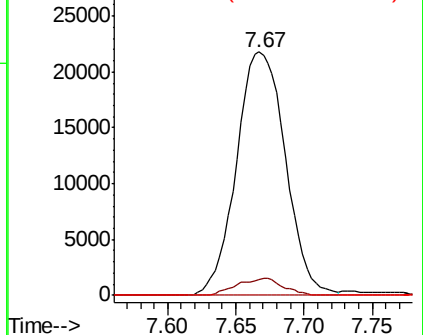
#38
Carbon Tetrachloride
Concen: 4.712 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050793.D
Acq: 21 Aug 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-WATERREF-4

Tot Ion:117 Resp: 54288
Ion Ratio Lower Upper
117 100
119 6.3 76.3 114.5#
121 0.0 24.6 36.8#

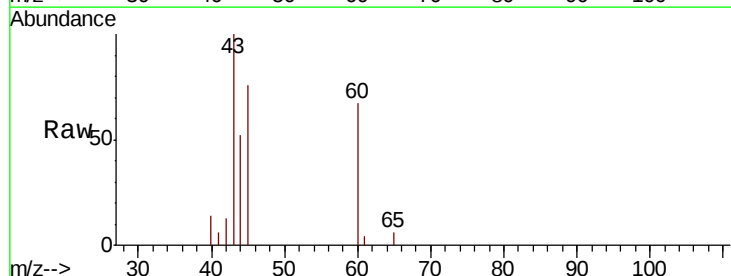


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

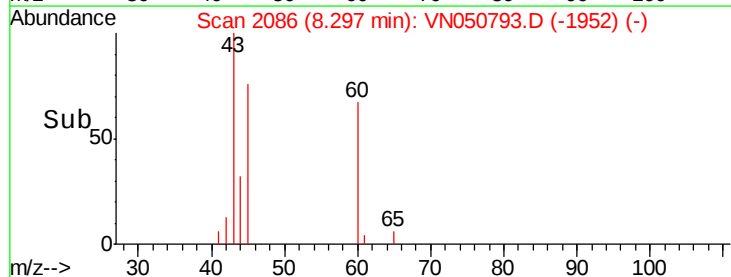
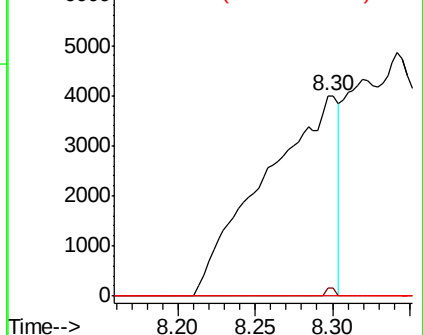


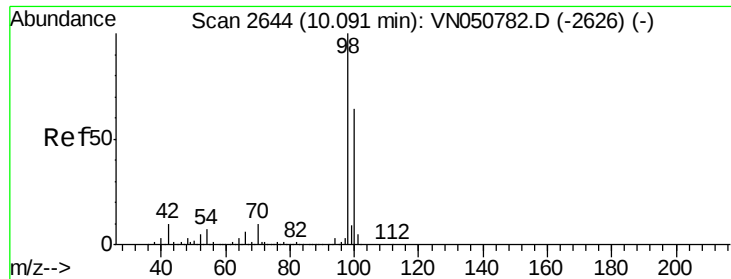
#43
Isopropyl Acetate
Concen: 1.170 ug/l
RT: 8.30 min Scan# 2086
Delta R.T. 0.13 min
Lab File: VN050793.D
Acq: 21 Aug 2018 20:33

Tgt Ion: 43 Resp: 13171
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: 47.708 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050793.D

Acq: 21 Aug 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

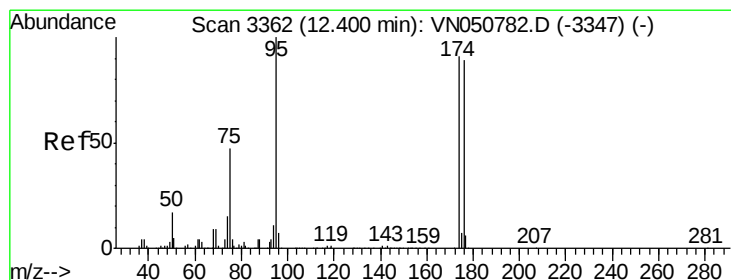
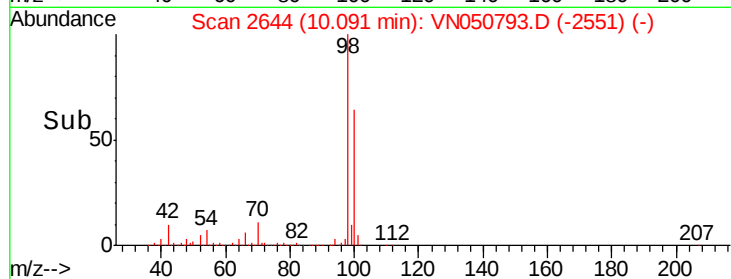
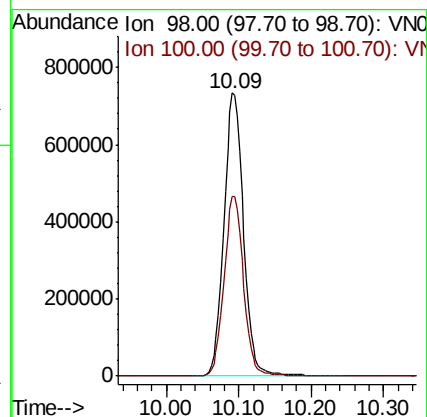
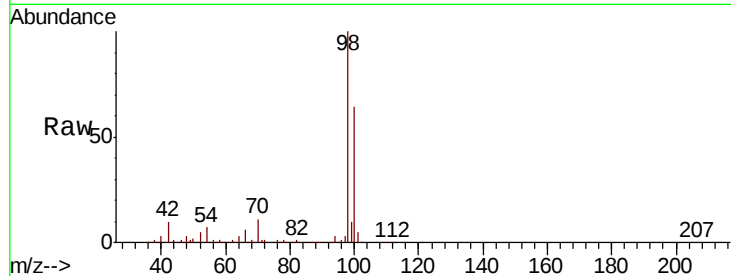
STORAGEBLANK-WATERREF-4

Tot Ion: 98 Resp: 1370562

Ion Ratio Lower Upper

98 100

100 63.5 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 38.210 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050793.D

Acq: 21 Aug 2018 20:33

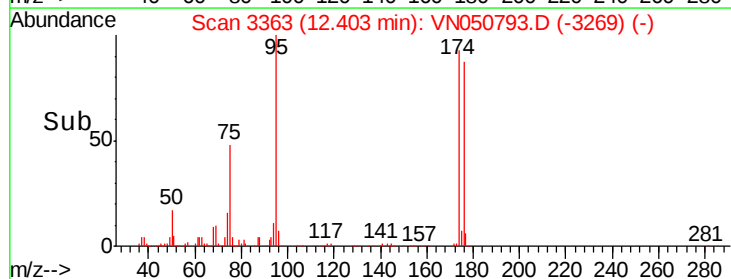
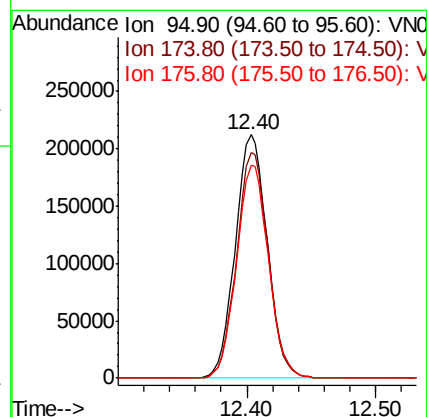
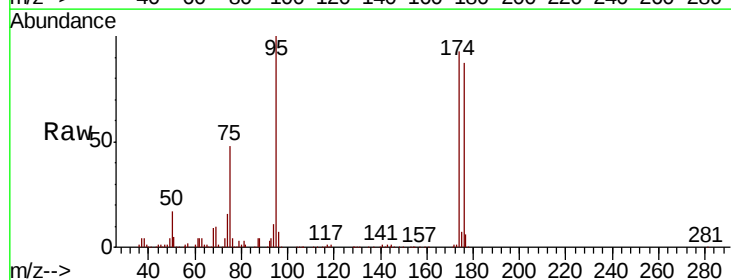
Tgt Ion: 95 Resp: 364771

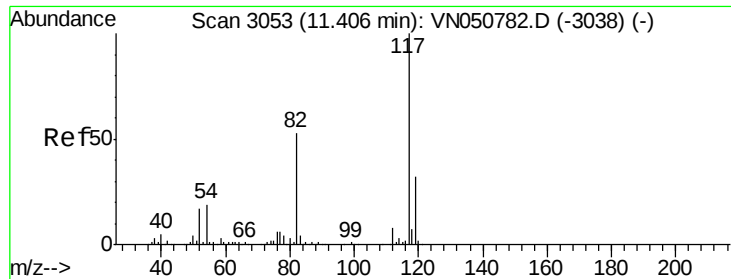
Ion Ratio Lower Upper

95 100

174 92.4 0.0 183.0

176 87.5 0.0 178.8

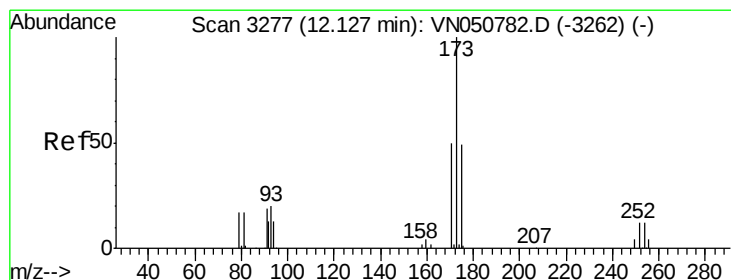
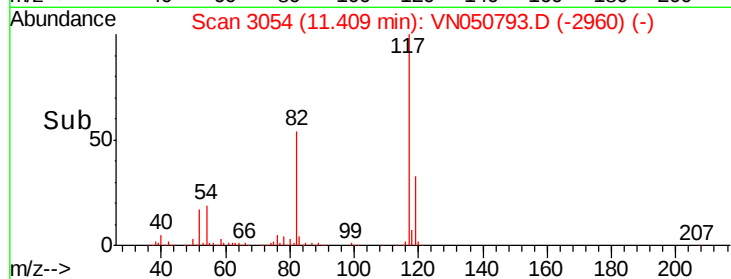
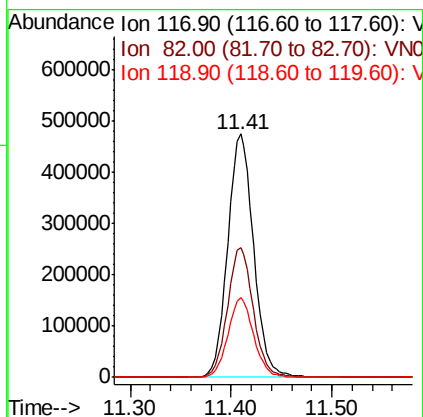
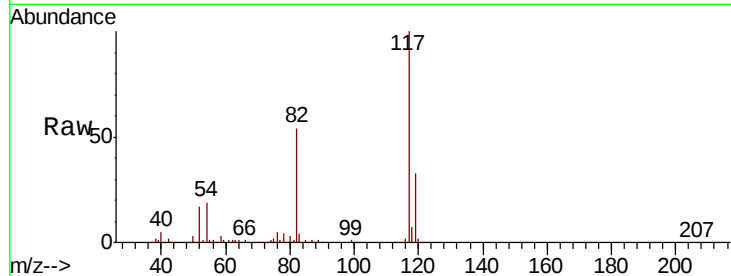




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050793.D
Acq: 21 Aug 2018 20:33

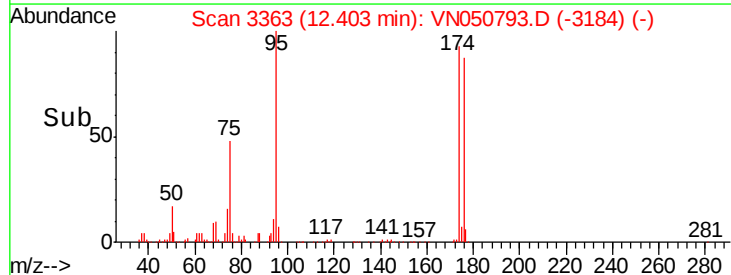
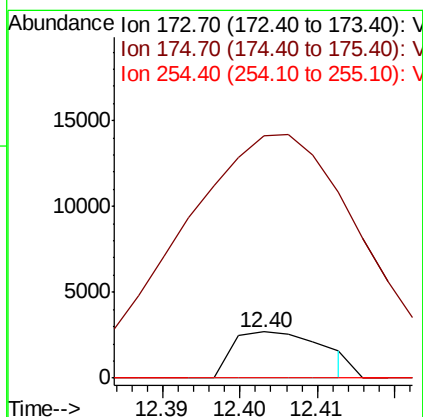
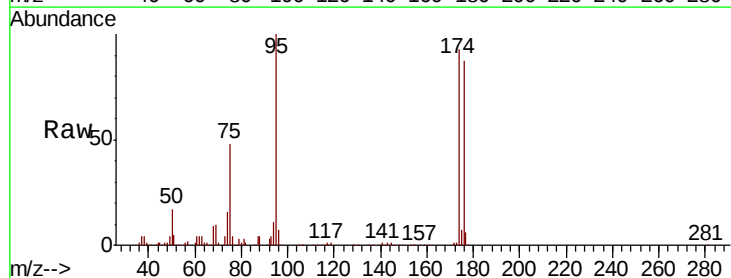
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-WATERREF-4

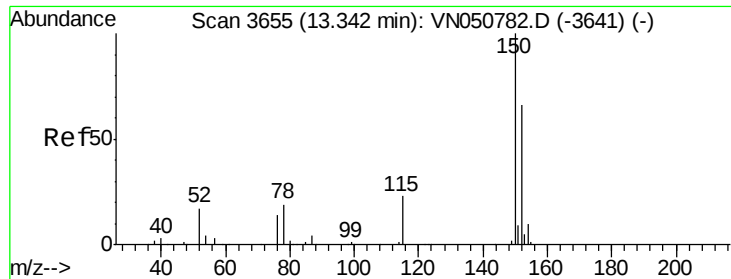
Tot Ion:117 Resp: 850599
Ion Ratio Lower Upper
117 100
82 53.5 42.6 64.0
119 32.6 25.8 38.6



#71
Bromoform
Concen: 0.398 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050793.D
Acq: 21 Aug 2018 20:33

Tgt Ion:173 Resp: 2228
Ion Ratio Lower Upper
173 100
175 893.4 24.4 73.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050793.D

Acq: 21 Aug 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-WATERREF-4

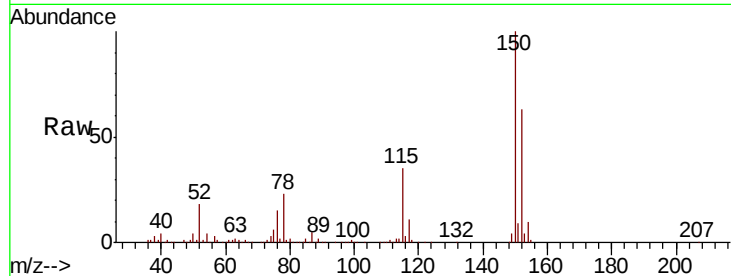
Tot Ion:152 Resp: 278461

Ion Ratio Lower Upper

152 100

115 55.0 27.8 83.4

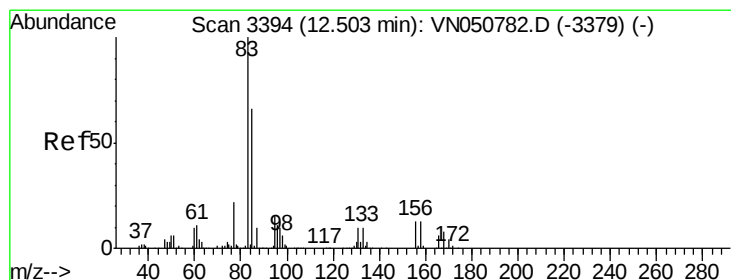
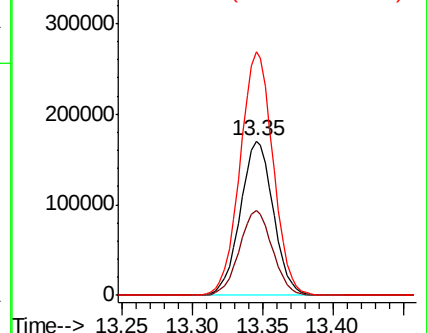
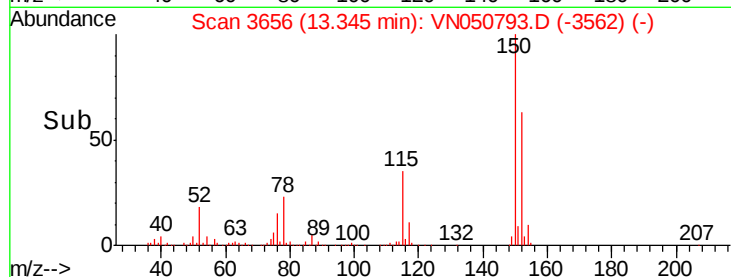
150 157.8 0.0 351.4



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: 12.41 min Scan# 3366

Delta R.T. -0.09 min

Lab File: VN050793.D

Acq: 21 Aug 2018 20:33

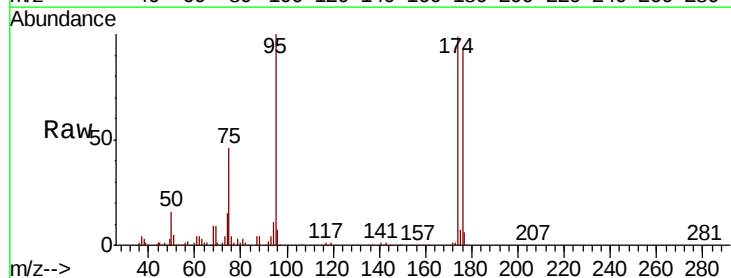
Tgt Ion: 83 Resp: 29

Ion Ratio Lower Upper

83 100

131 1262.1 5.3 15.9#

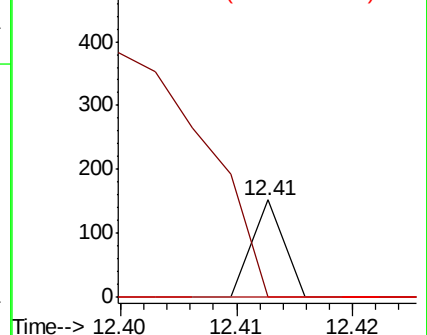
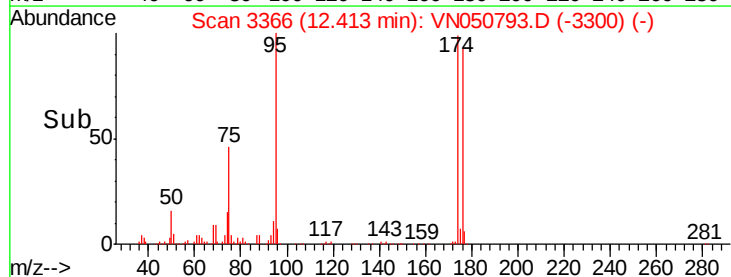
85 0.0 31.9 95.7#

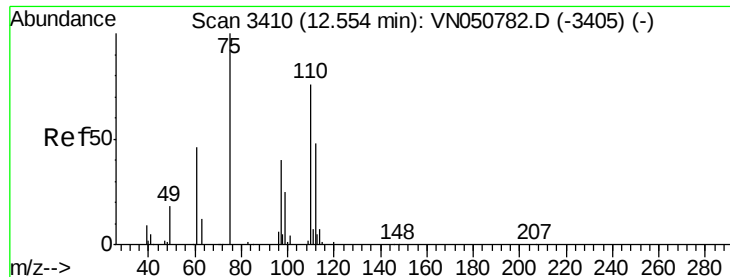


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 35.464 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050793.D

Acq: 21 Aug 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

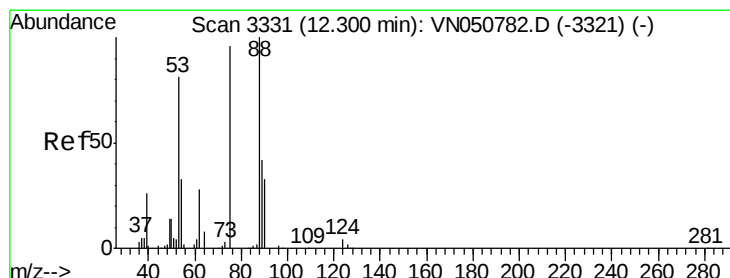
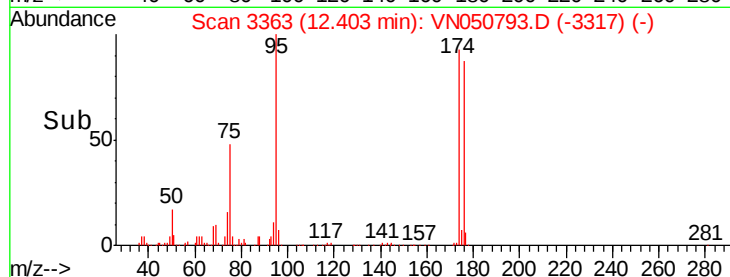
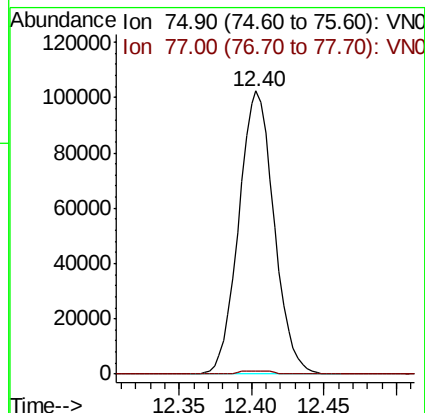
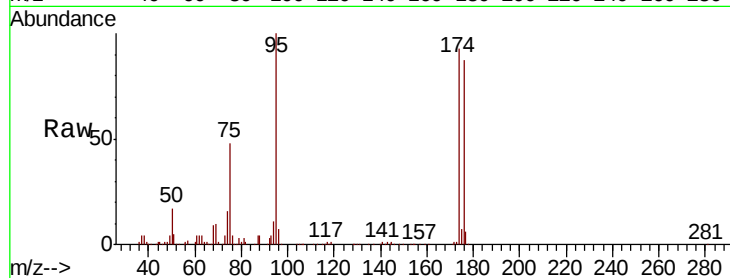
STORAGEBLANK-WATERREF-4

Tot Ion: 75 Resp: 172967

Ion Ratio Lower Upper

75 100

77 0.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.889 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050793.D

Acq: 21 Aug 2018 20:33

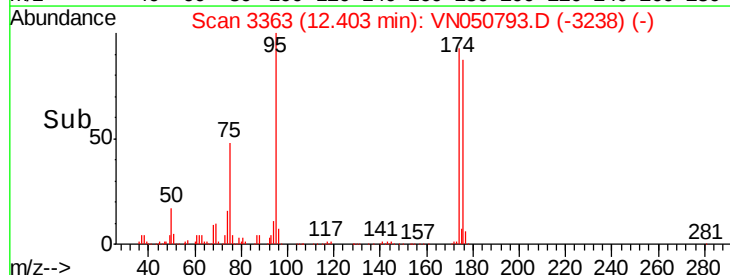
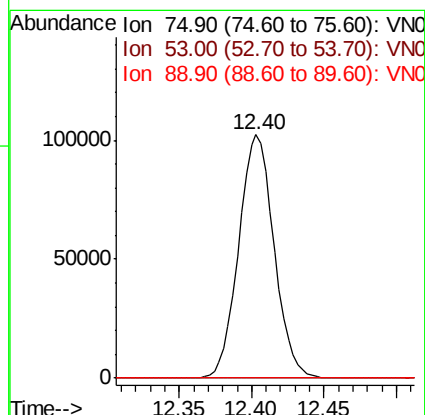
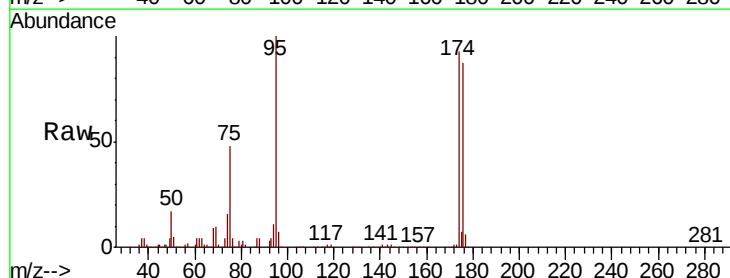
Tgt Ion: 75 Resp: 172967

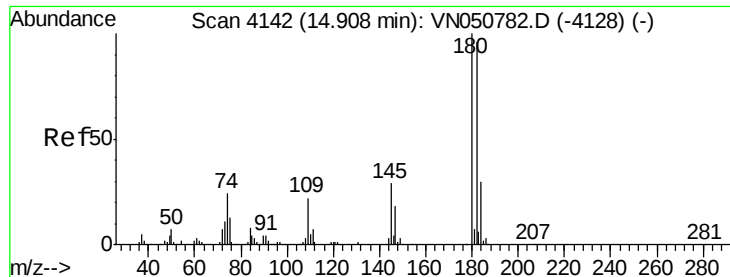
Ion Ratio Lower Upper

75 100

53 0.2 68.9 103.3#

89 0.0 36.1 54.1#

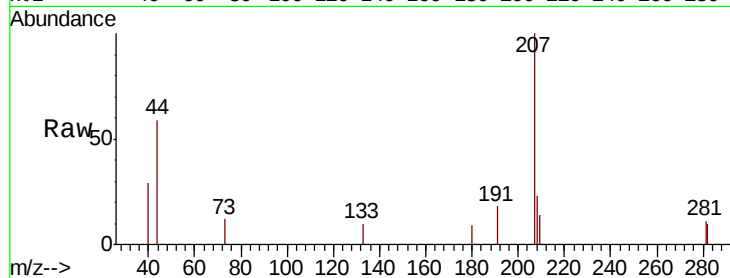




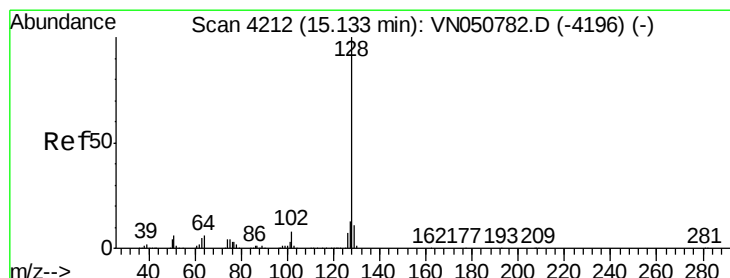
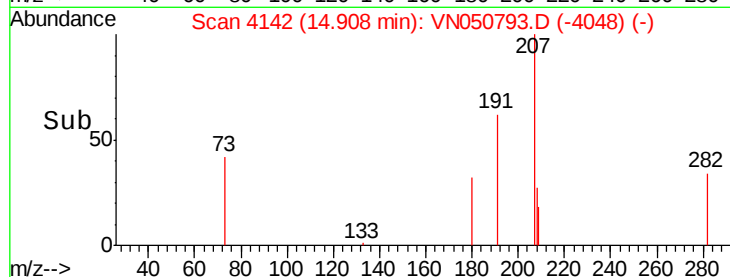
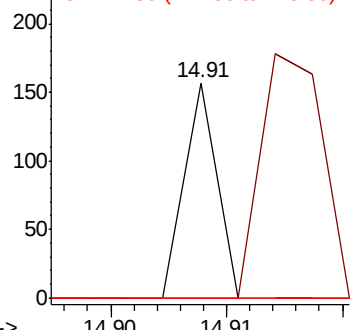
#93
 1,2,4-Trichlorobenzene
 Concen: 4.088 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050793.D
 Acq: 21 Aug 2018 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

Tot Ion:180 Resp: 30
 Ion Ratio Lower Upper
 180 100
 182 220.0 48.2 144.6#
 145 0.0 14.1 42.2#

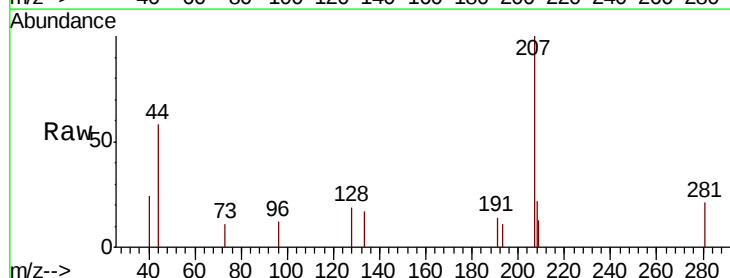


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 5.432 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN050793.D
 Acq: 21 Aug 2018 20:33

Tgt Ion:128 Resp: 400
 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

