

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112718\
 Data File : VN052482.D
 Acq On : 27 Nov 2018 16:47
 Operator : MD\SY
 Sample : J6063-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Nov 28 06:11:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1273429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1949952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1643348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	579139	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	659471	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
35) Dibromofluoromethane	7.59	113	598055	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	10.09	98	2360849	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	709099	45.10	ug/l	0.00
Spiked Amount			Recovery	=	90.20%	

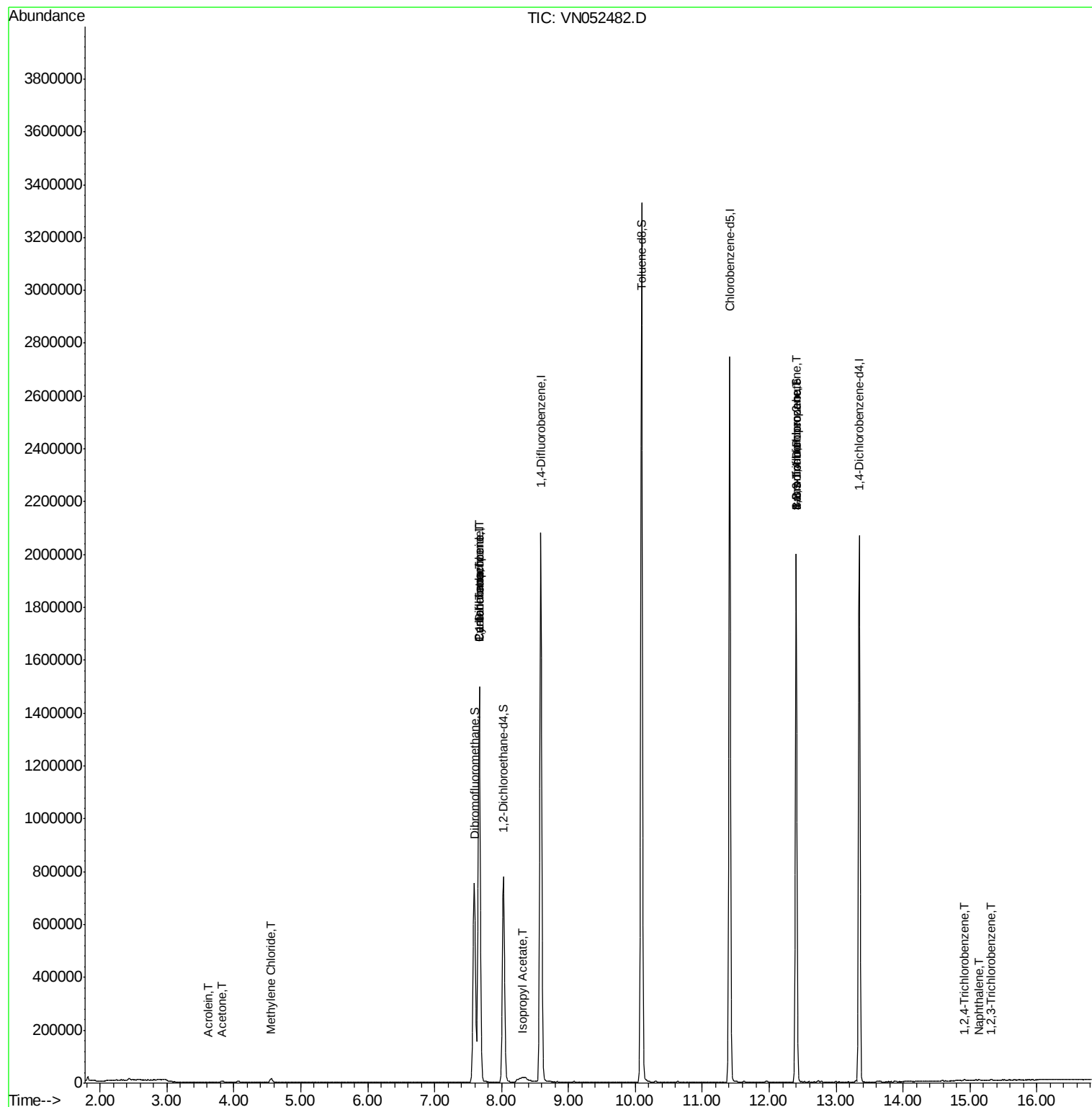
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	601	33.903	ug/l	99
16) Acetone	3.83	43	9421	2.576	ug/l	94
20) Methylene Chloride	4.55	84	10395	0.726	ug/l	96
31) Cyclohexane	7.66	56	22864	0.597	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	90158	4.896	ug/l #	49
38) Carbon Tetrachloride	7.67	117	115380	6.922	ug/l #	15
43) Isopropyl Acetate	8.30	43	28383	1.492	ug/l #	51
71) Bromoform	12.40	173	4147	0.532	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	340648	38.144	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	340648	127.382	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	1153	2.935	ug/l	94
95) Naphthalene	15.14	128	2959	3.555	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.32	180	1135	2.840	ug/l	97

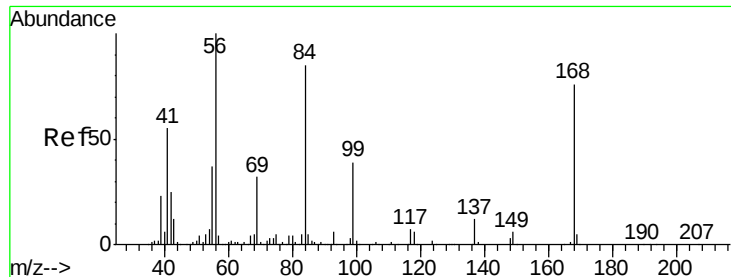
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052482.D

Acq: 27 Nov 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

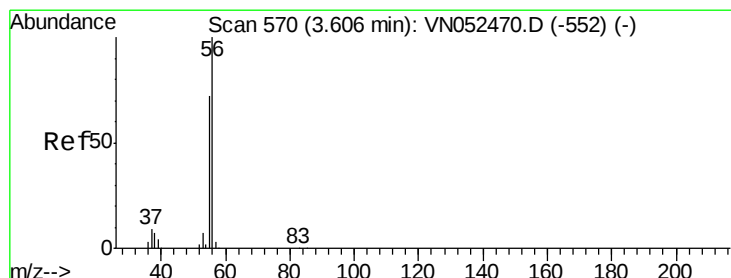
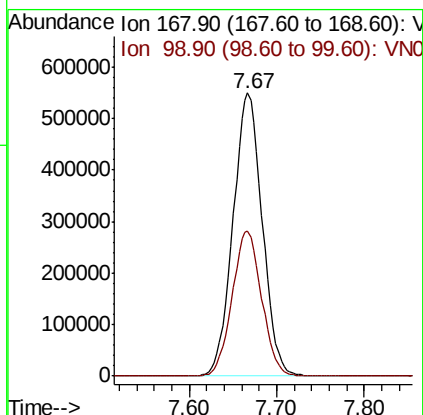
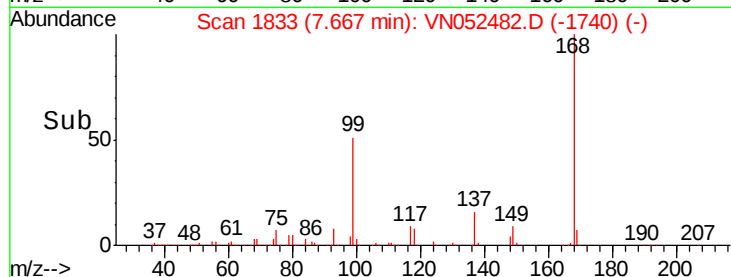
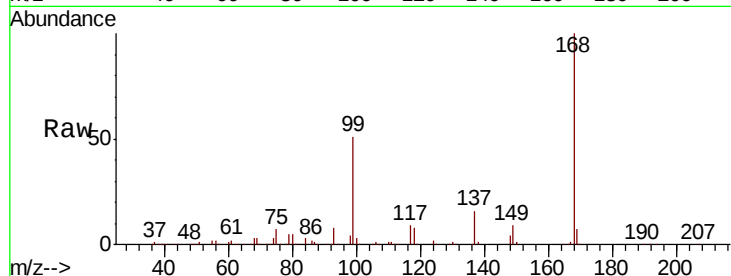
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 1273429

Ion Ratio Lower Upper

168 100

99 51.3 41.7 62.5



#13

Acrolein

Concen: 33.903 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN052482.D

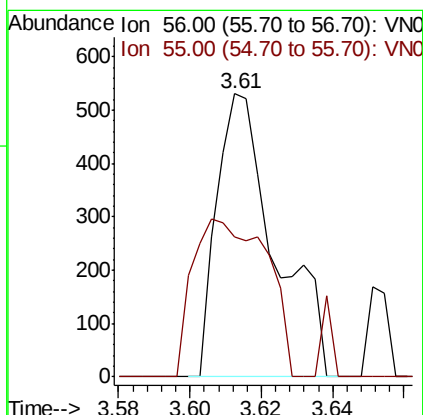
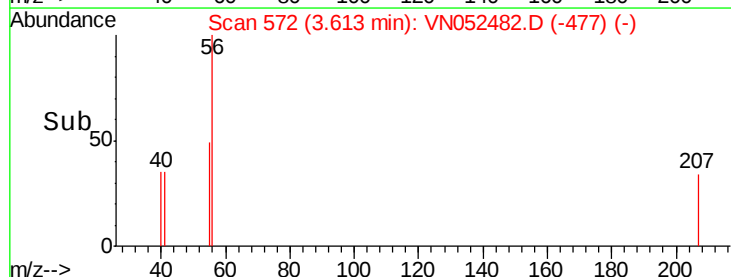
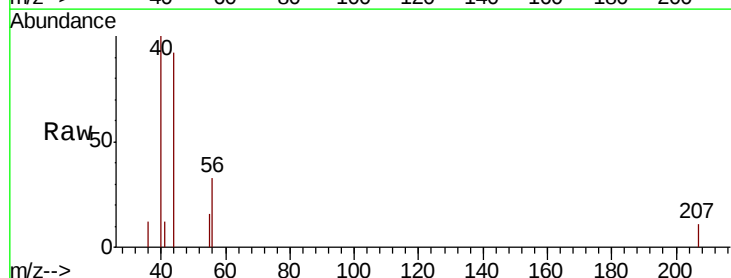
Acq: 27 Nov 2018 16:47

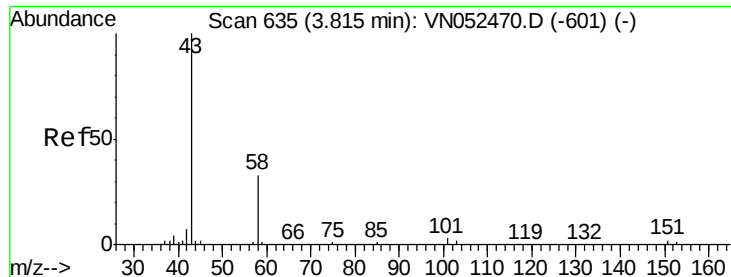
Tgt Ion: 56 Resp: 601

Ion Ratio Lower Upper

56 100

55 70.5 56.8 85.2





#16

Acetone

Concen: 2.576 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN052482.D

Acq: 27 Nov 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

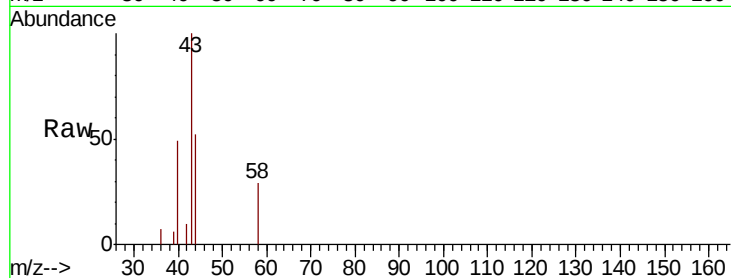
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 9421

Ion Ratio Lower Upper

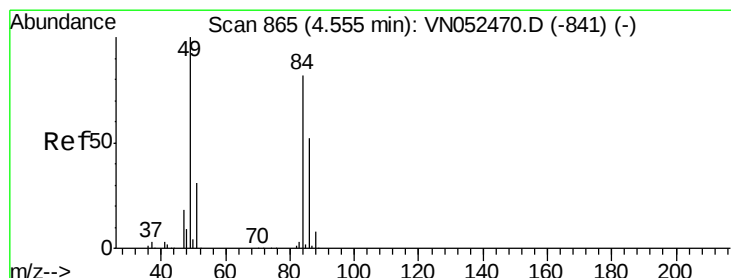
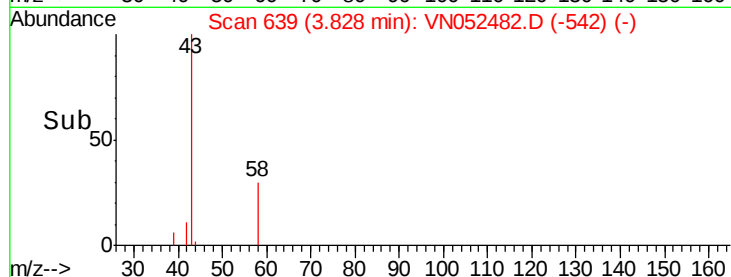
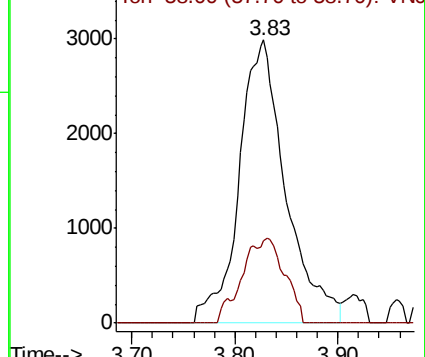
43 100

58 28.9 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#20

Methylene Chloride

Concen: 0.726 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052482.D

Acq: 27 Nov 2018 16:47

Tgt Ion: 84 Resp: 10395

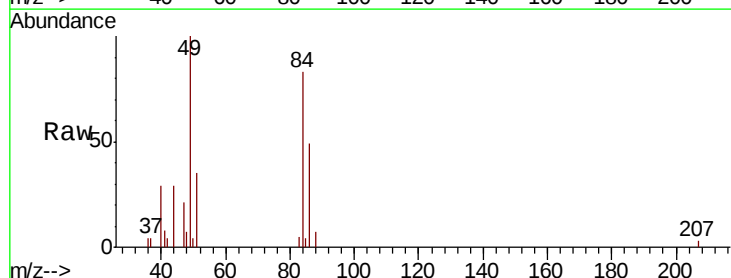
Ion Ratio Lower Upper

84 100

49 120.5 98.0 147.0

51 42.7 30.1 45.1

86 59.6 50.7 76.1

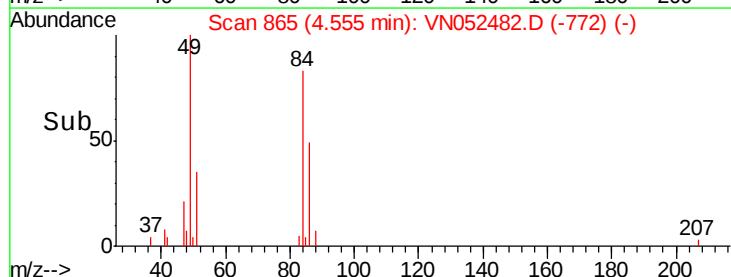
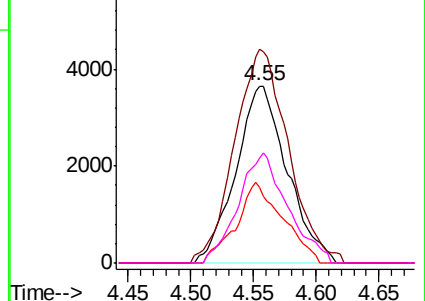


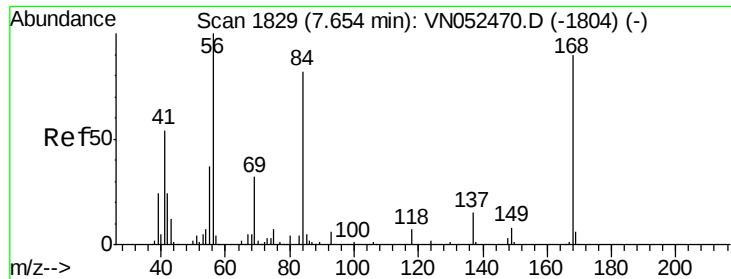
Abundance Ion 83.90 (83.60 to 84.60): VNO

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

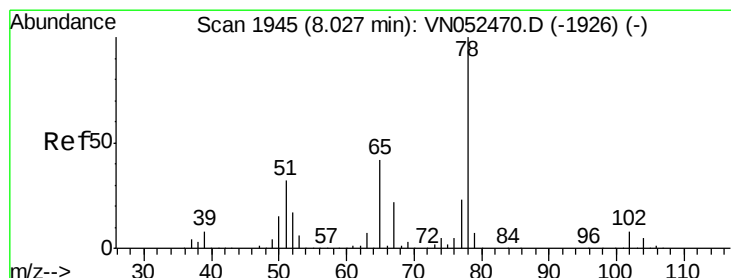
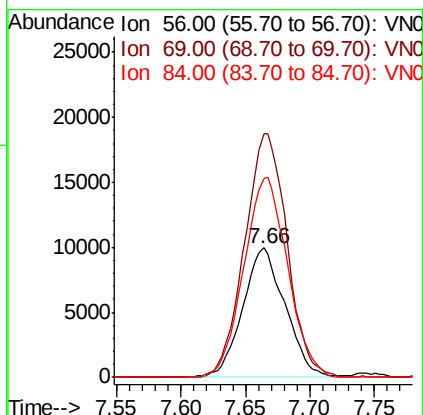
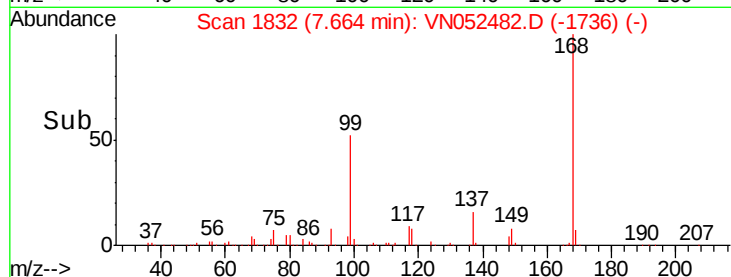
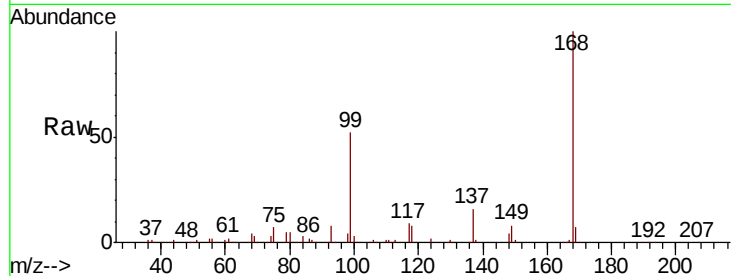




#31
Cyclohexane
Concen: 0.597 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052482.D
Acq: 27 Nov 2018 16:47

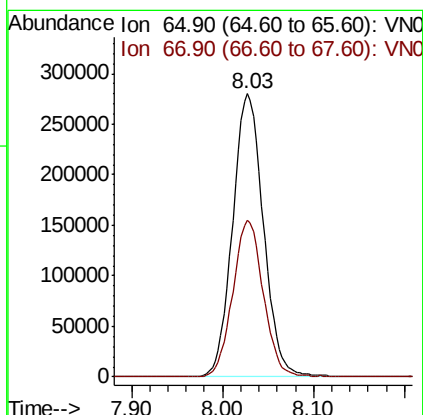
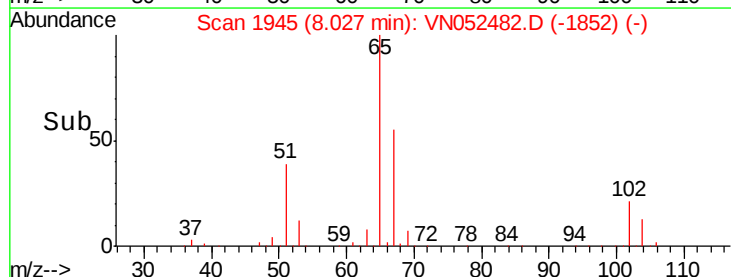
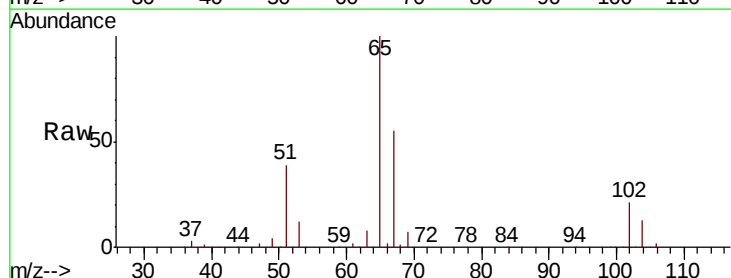
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

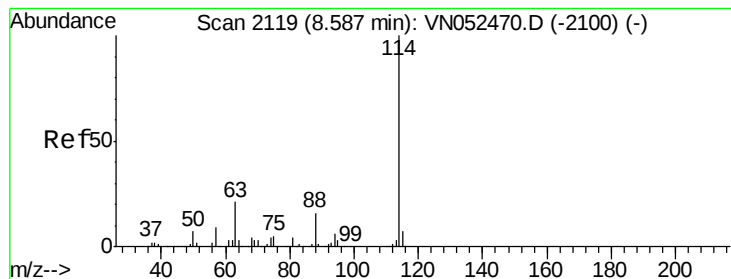
Tot Ion: 56 Resp: 22864
Ion Ratio Lower Upper
56 100
69 187.9 25.8 38.6#
84 153.4 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052482.D
Acq: 27 Nov 2018 16:47

Tgt Ion: 65 Resp: 659471
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052482.D

Acq: 27 Nov 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

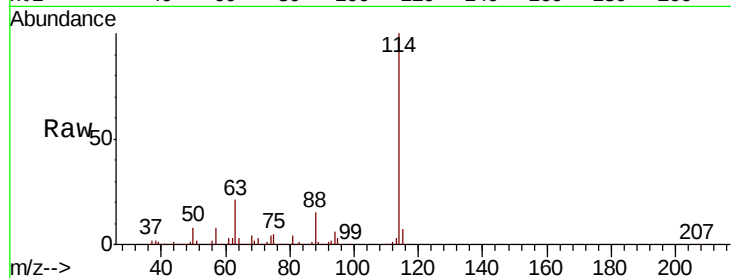
Tot Ion:114 Resp: 1949952

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.8

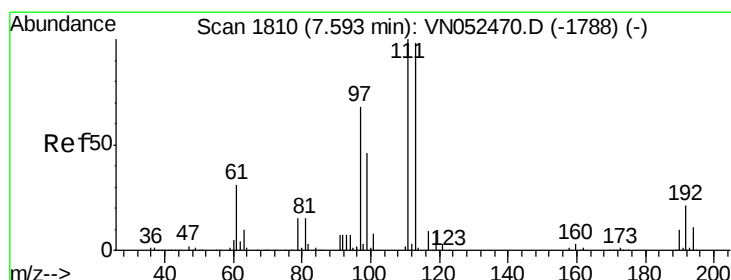
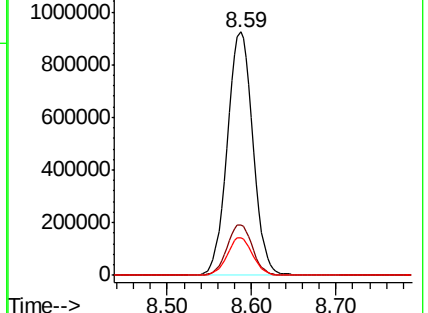
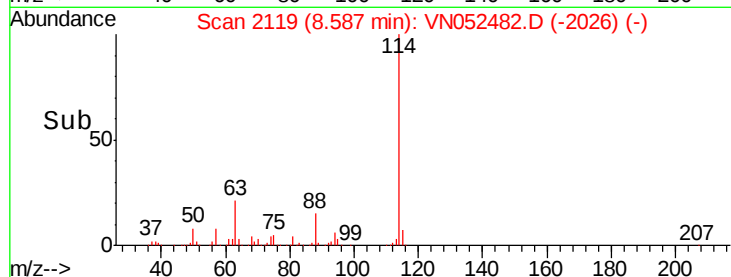
88 15.5 0.0 31.6



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: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052482.D

Acq: 27 Nov 2018 16:47

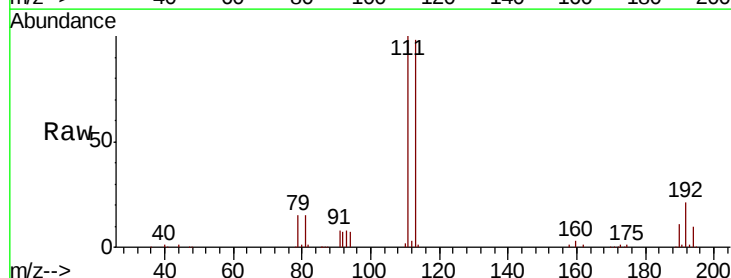
Tgt Ion:113 Resp: 598055

Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

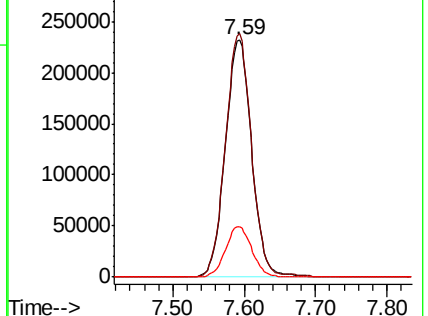
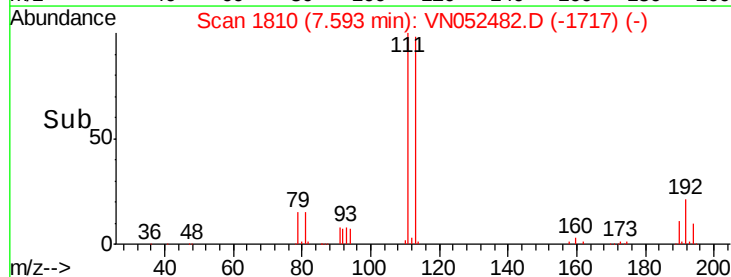
192 21.2 17.0 25.6

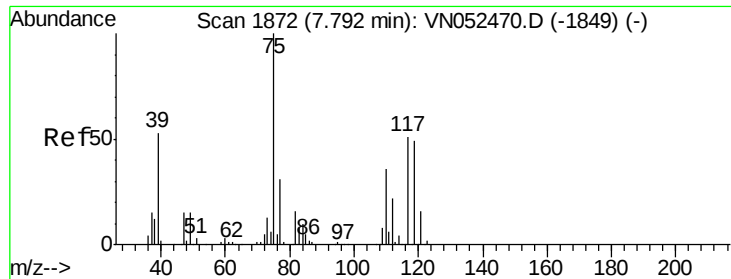


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

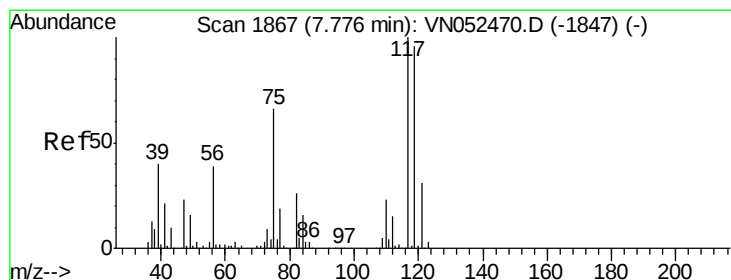
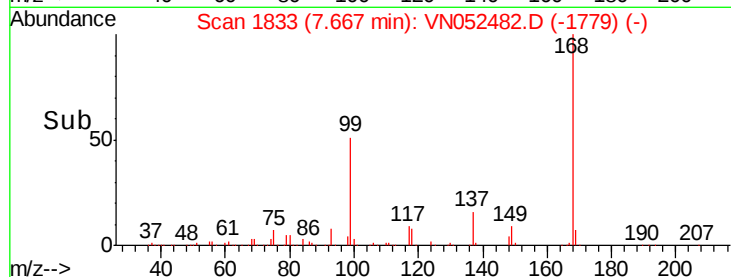
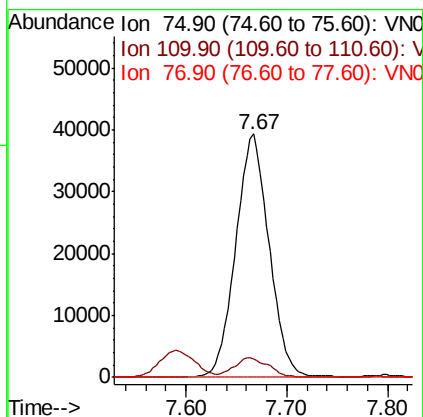
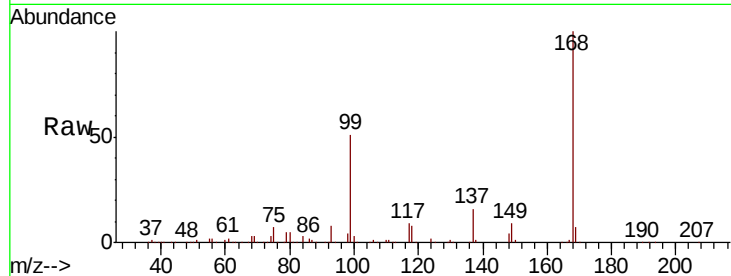




#36
 1,1-Dichloropropene
 Concen: 4.896 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052482.D
 Acq: 27 Nov 2018 16:47

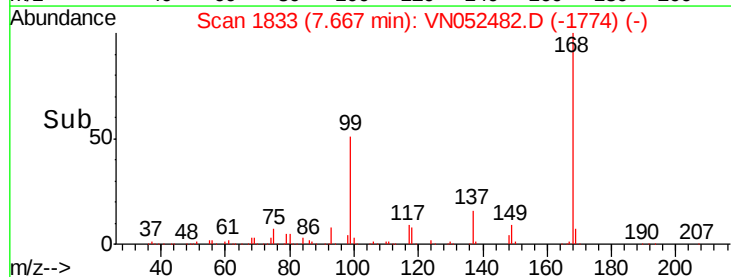
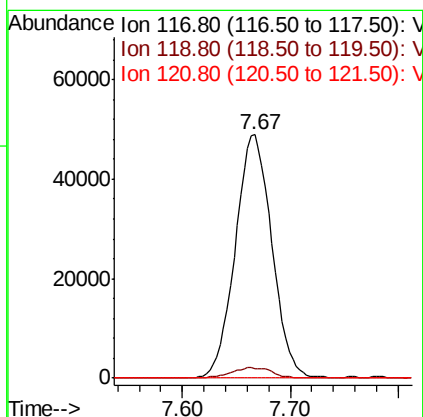
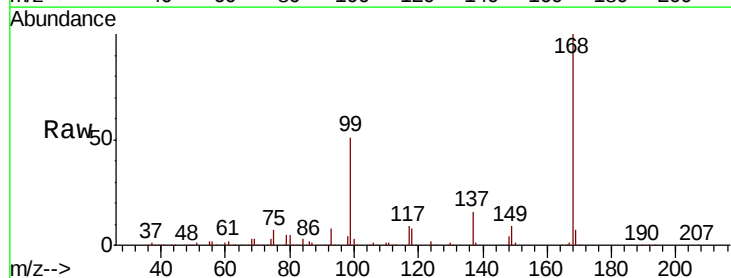
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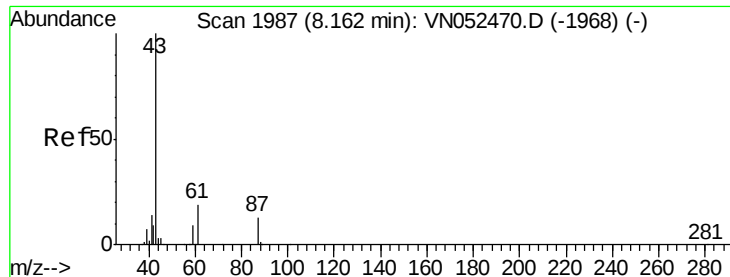
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.5	52.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.922 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052482.D
 Acq: 27 Nov 2018 16:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.8	115.2#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 1.492 ug/l

RT: 8.30 min Scan# 2031

Delta R.T. 0.14 min

Lab File: VN052482.D

Acq: 27 Nov 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

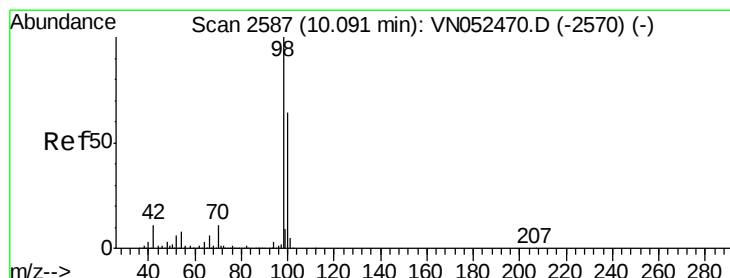
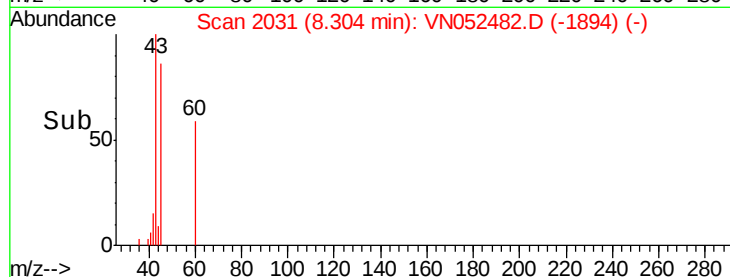
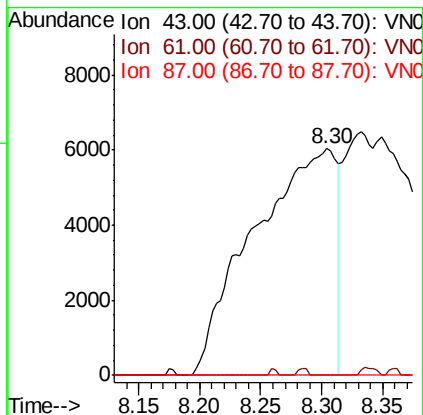
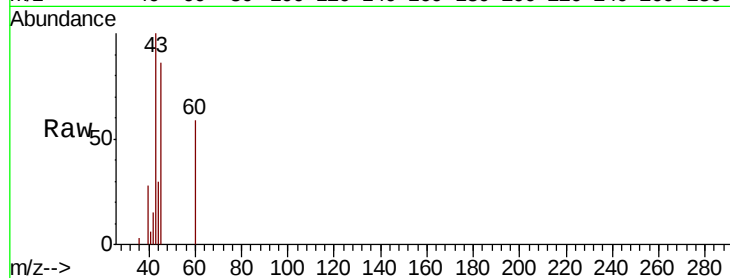
Tot Ion: 43 Resp: 28383

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

87 0.0 10.6 15.8#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052482.D

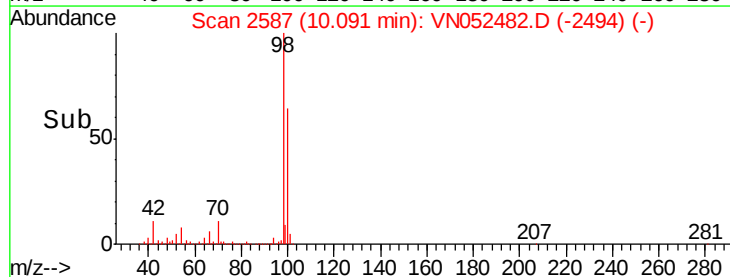
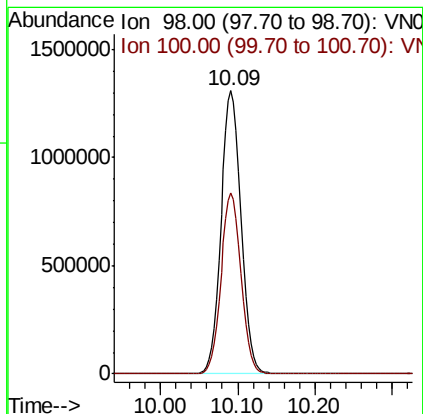
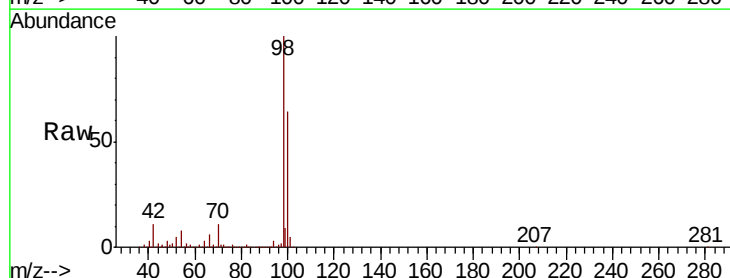
Acq: 27 Nov 2018 16:47

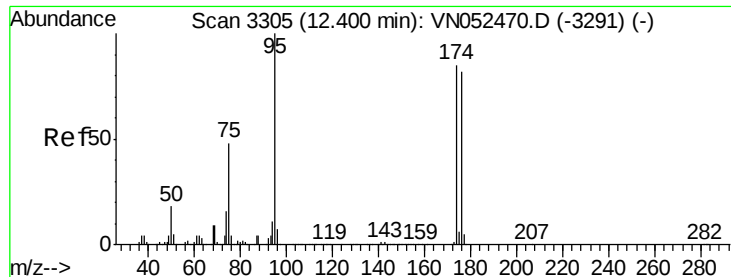
Tgt Ion: 98 Resp: 2360849

Ion Ratio Lower Upper

98 100

100 63.9 51.3 76.9





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052482.D

Acq: 27 Nov 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

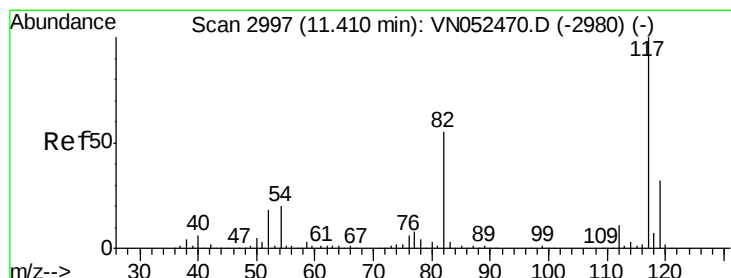
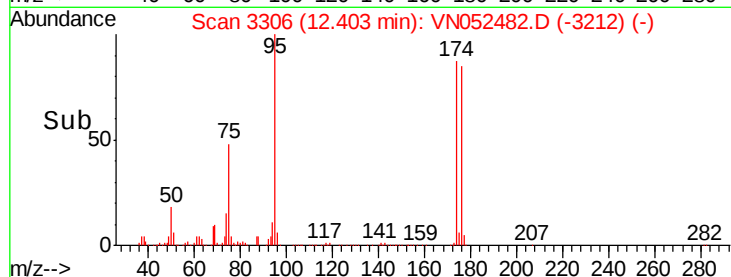
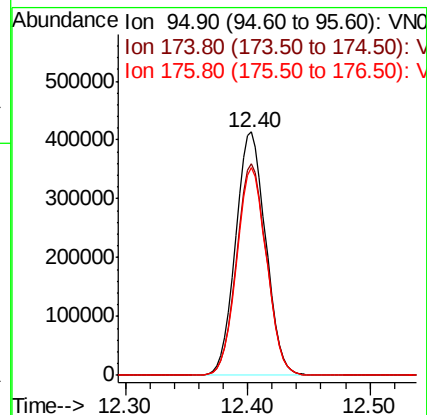
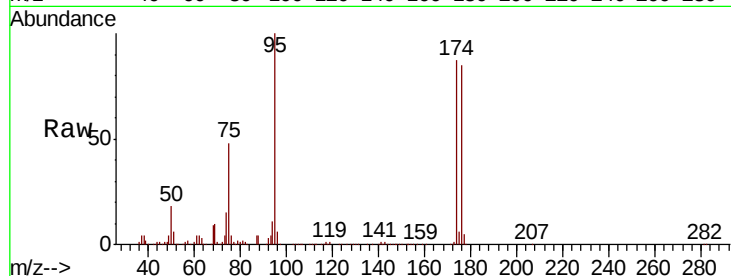
Tot Ion: 95 Resp: 709099

Ion Ratio Lower Upper

95 100

174 86.5 0.0 173.0

176 84.4 0.0 166.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN052482.D

Acq: 27 Nov 2018 16:47

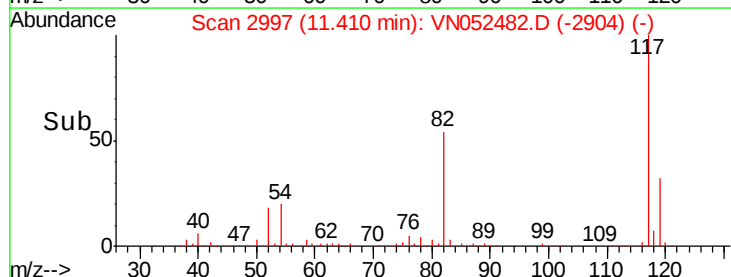
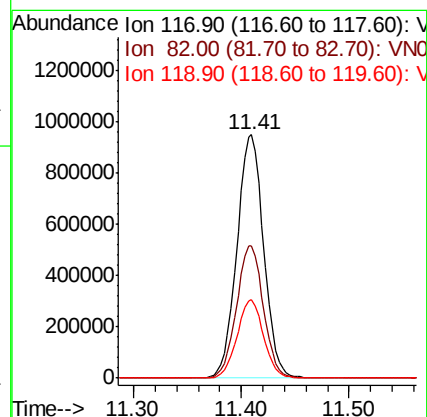
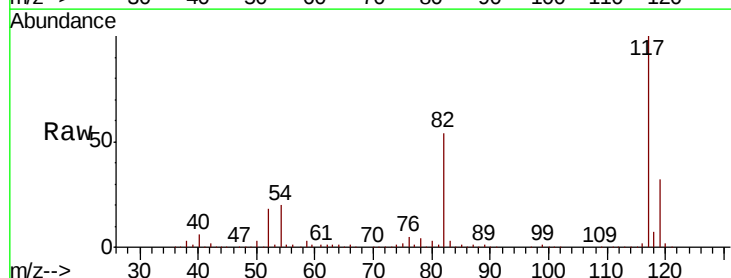
Tgt Ion: 117 Resp: 1643348

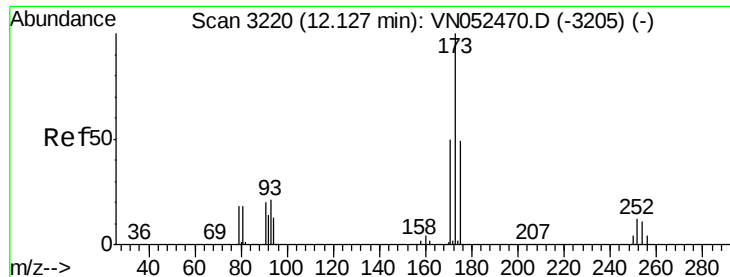
Ion Ratio Lower Upper

117 100

82 54.4 43.6 65.4

119 32.0 25.4 38.2

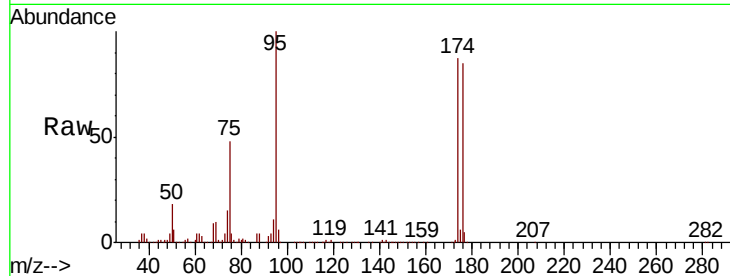




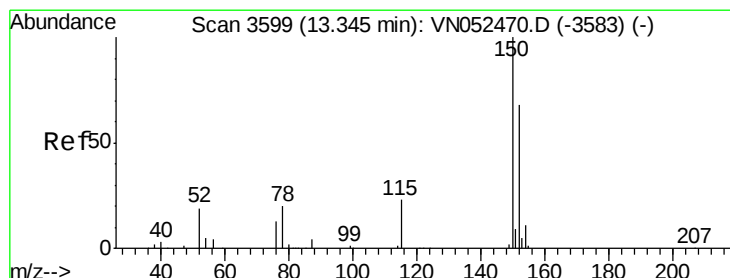
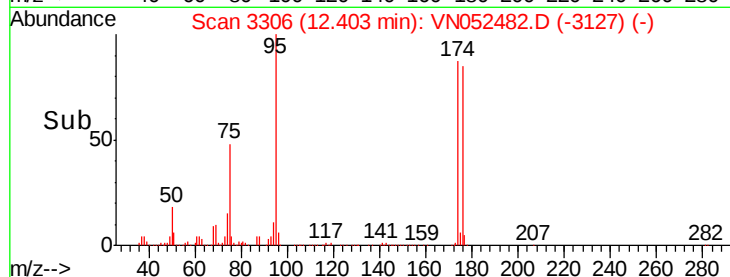
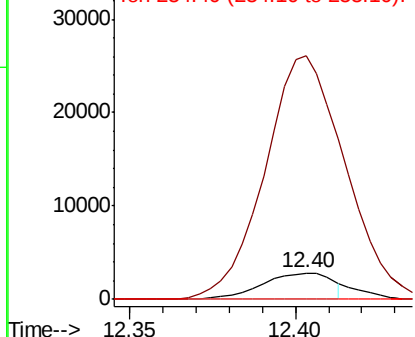
#71
Bromoform
Concen: 0.532 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052482.D
Acq: 27 Nov 2018 16:47

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:173 Resp: 4147
Ion Ratio Lower Upper
173 100
175 887.7 24.4 73.2#
254 0.0 0.1 0.1#

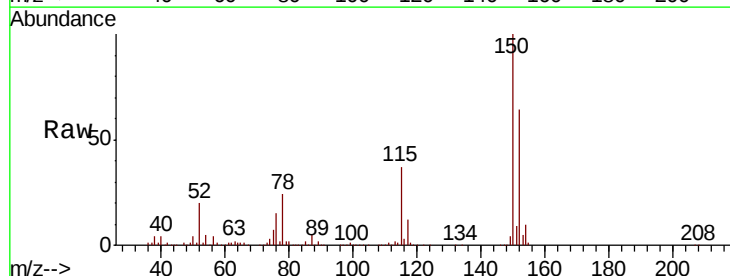


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

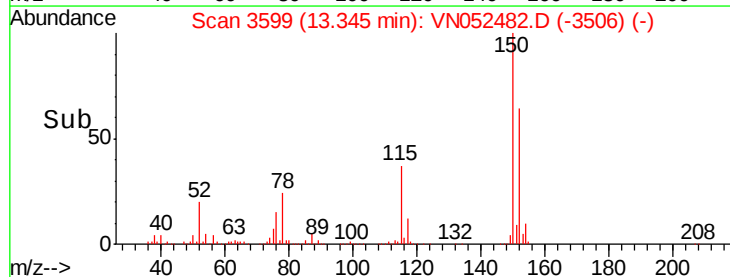
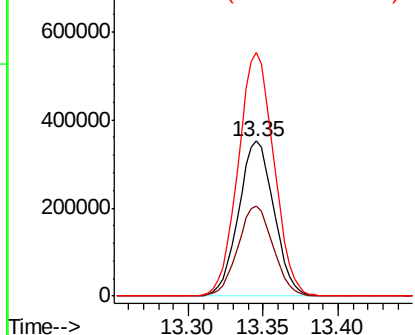


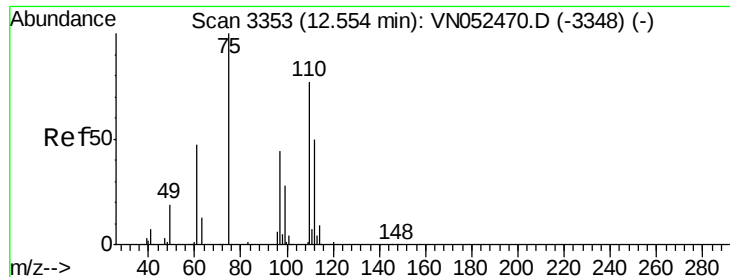
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052482.D
Acq: 27 Nov 2018 16:47

Tgt Ion:152 Resp: 579139
Ion Ratio Lower Upper
152 100
115 58.0 28.4 85.2
150 158.6 0.0 346.0



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: 38.144 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052482.D

Acq: 27 Nov 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

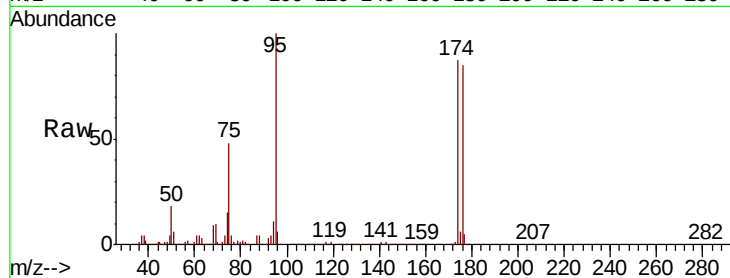
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 340648

Ion Ratio Lower Upper

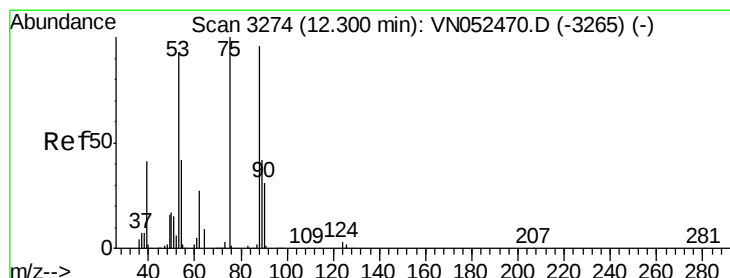
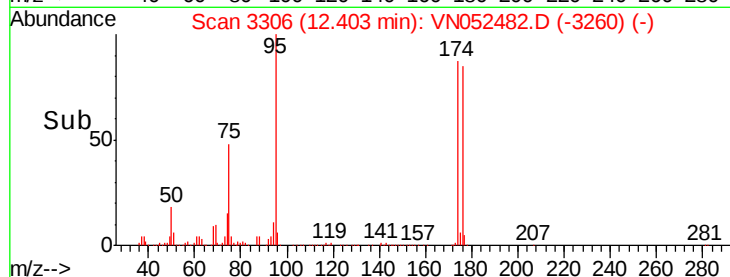
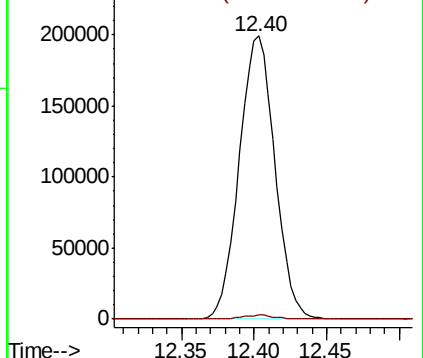
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 127.382 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052482.D

Acq: 27 Nov 2018 16:47

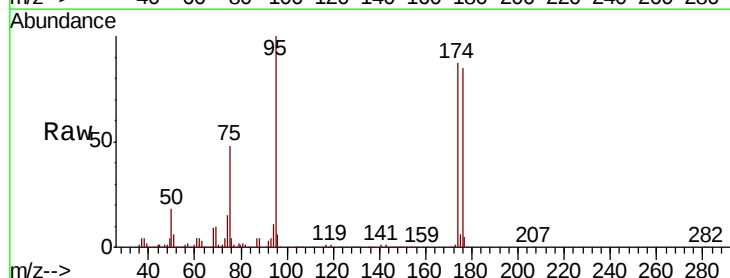
Tgt Ion: 75 Resp: 340648

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

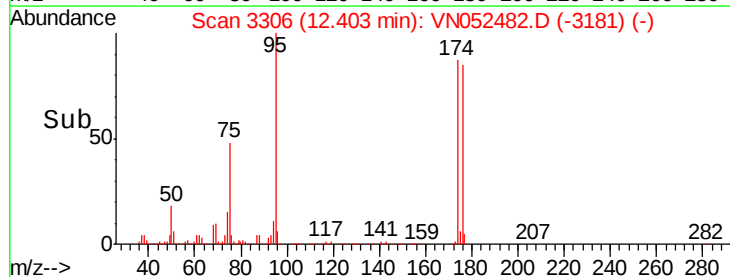
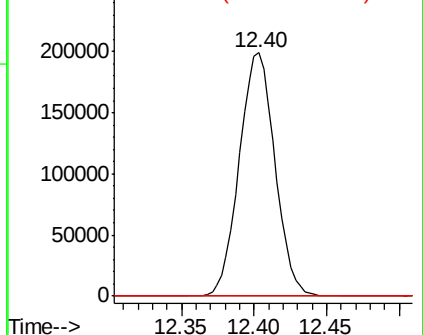
89 0.0 35.4 53.2#

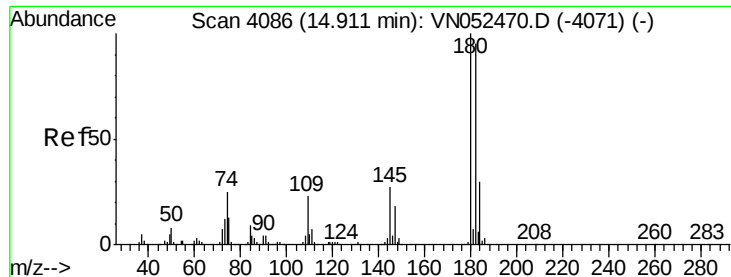


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

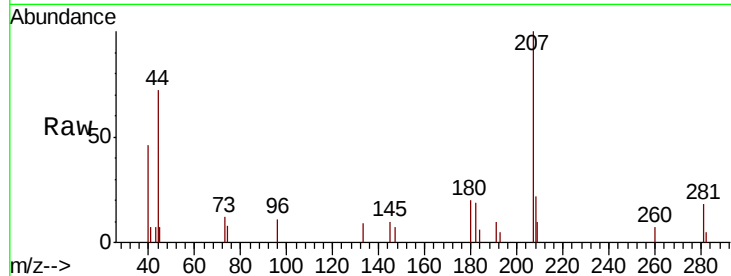




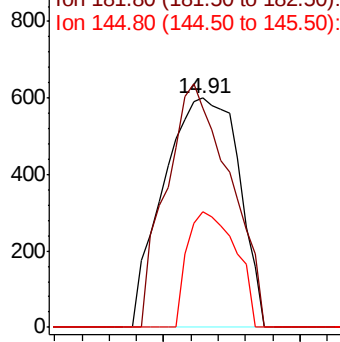
#93
 1,2,4-Trichlorobenzene
 Concen: 2.935 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN052482.D
 Acq: 27 Nov 2018 16:47

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

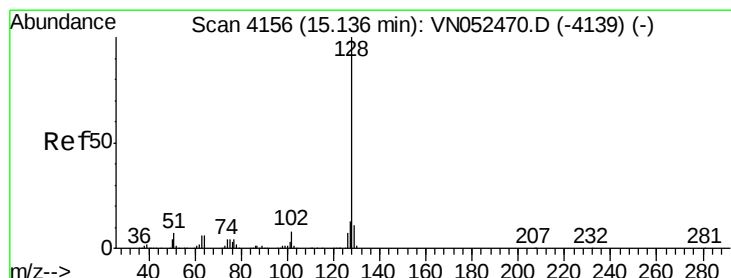
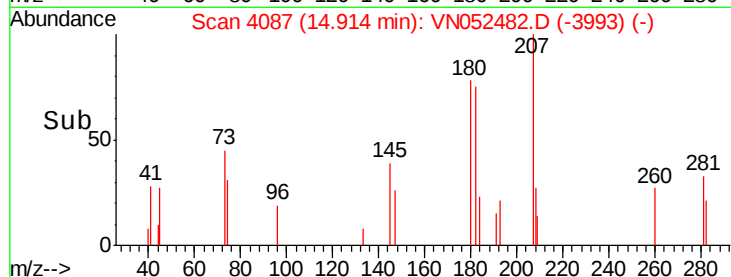
Tot Ion	Ratio	Lower	Upper
180	100		
182	89.7	47.8	143.4
145	32.0	14.1	42.3



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

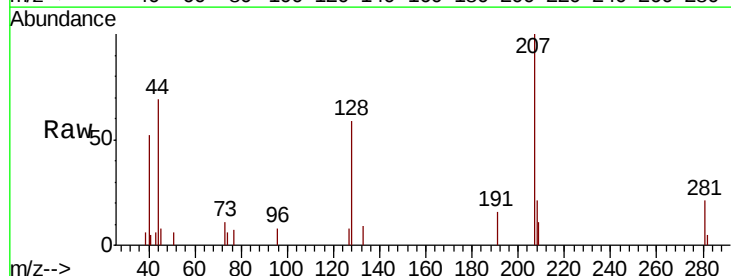


Time-->

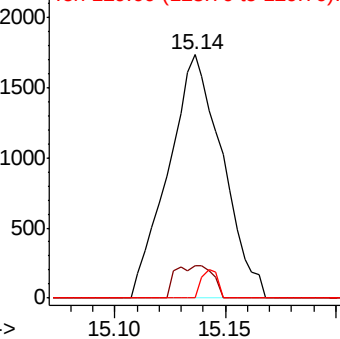


#95
 Naphthalene
 Concen: 3.555 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN052482.D
 Acq: 27 Nov 2018 16:47

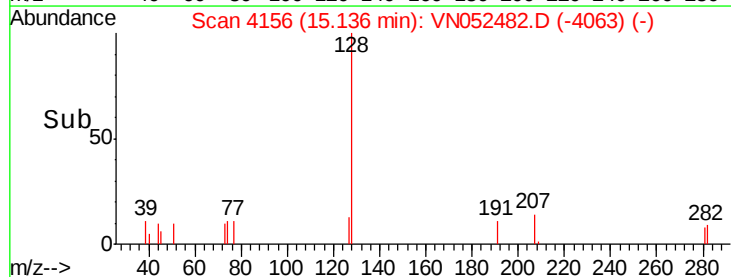
Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.2	10.2	15.2#
129	3.5	8.7	13.1#

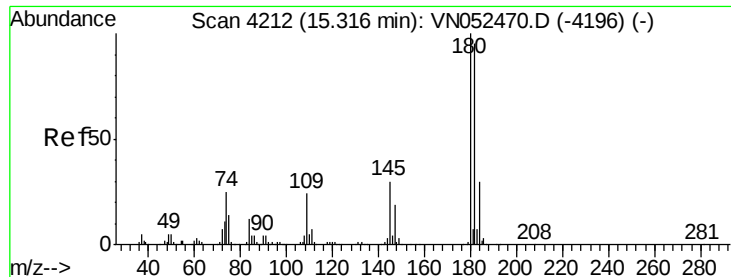


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->

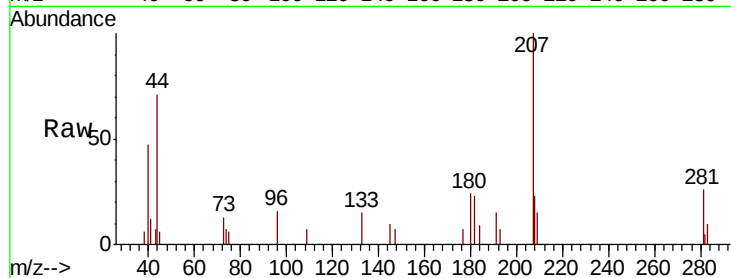




#96
 1,2,3-Trichlorobenzene
 Concen: 2.840 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052482.D
 Acq: 27 Nov 2018 16:47

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.8	143.3
145	33.7	15.2	45.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

