

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056212.D
 Acq On : 11 Jun 2019 10:36
 Operator : JC/SP
 Sample : K3284-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB06-20190609

Quant Time: Jun 12 06:31:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	304334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	455212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	446788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141370	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	159316	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
35) Dibromofluoromethane	7.59	113	148121	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
50) Toluene-d8	10.09	98	579038	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.40	95	185109	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	

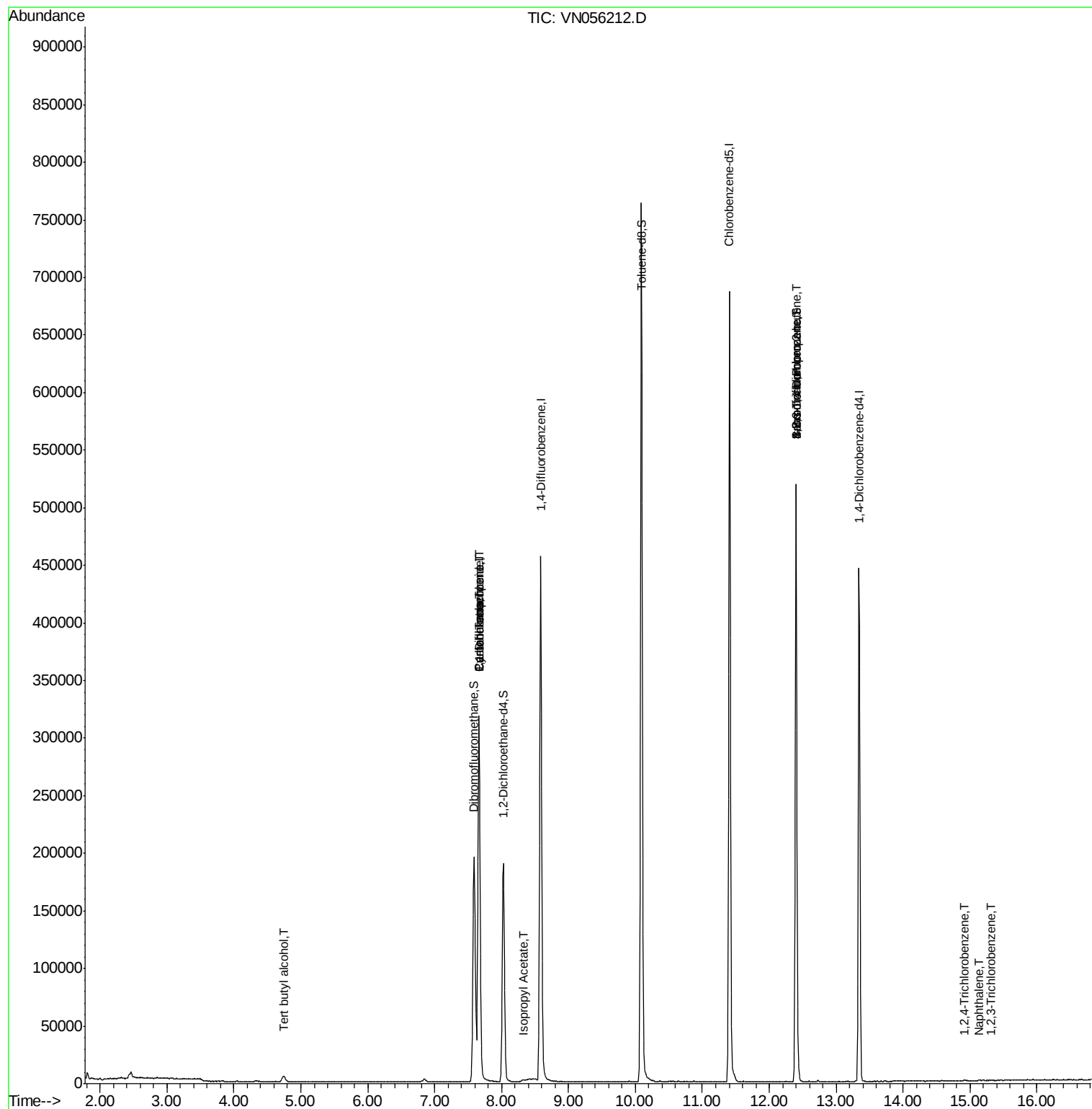
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	4927	9.369	ug/l #	74
31) Cyclohexane	7.66	56	4217	0.879	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	16847	4.304	ug/l #	48
38) Carbon Tetrachloride	7.66	117	23816	6.600	ug/l #	15
43) Isopropyl Acetate	8.32	43	1585	0.281	ug/l #	53
71) Bromoform	12.40	173	1200	3.182	ug/l #	1
73) Isopropylbenzene	12.26	105	104	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	82595	31.752	ug/l #	100
79) 2-Chlorotoluene	12.59	91	251	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	82595	105.740	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.92	180	311	4.379	ug/l #	82
95) Naphthalene	15.14	128	771	3.957	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	333	3.149	ug/l #	47

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

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056212.D

Acq: 11 Jun 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

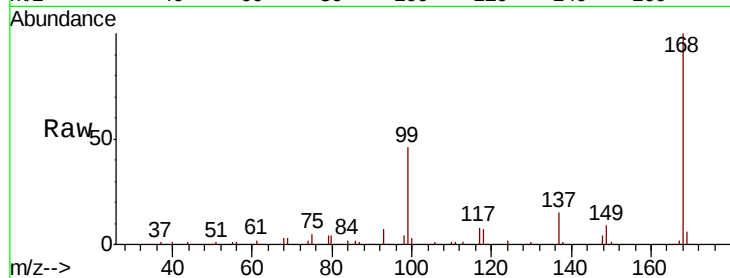
BP-TB06-20190609

Tot Ion:168 Resp: 304334

Ion Ratio Lower Upper

168 100

99 45.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

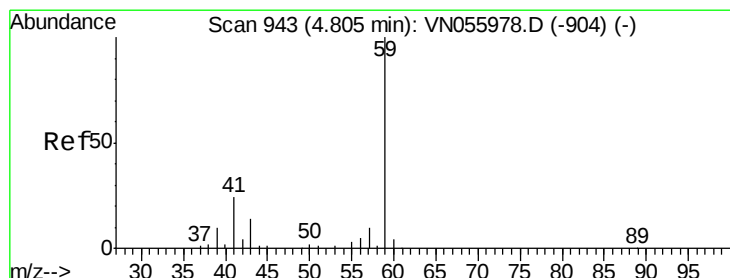
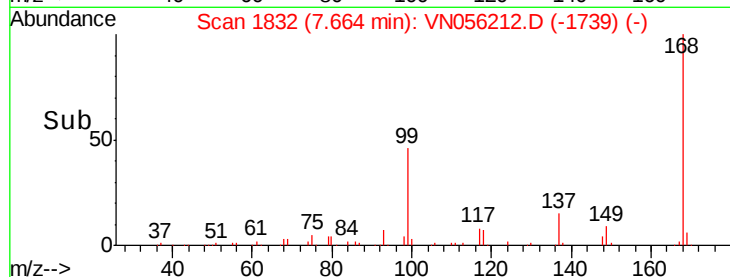
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 9.369 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.06 min

Lab File: VN056212.D

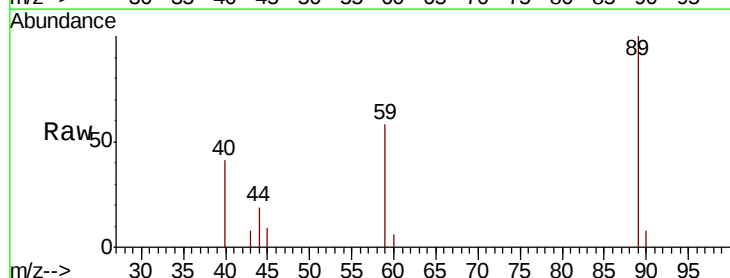
Acq: 11 Jun 2019 10:36

Tgt Ion: 59 Resp: 4927

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.74

1500

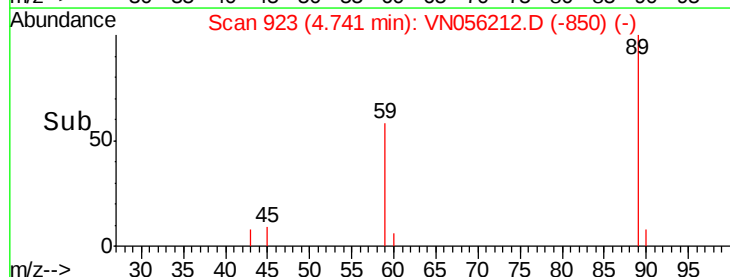
1000

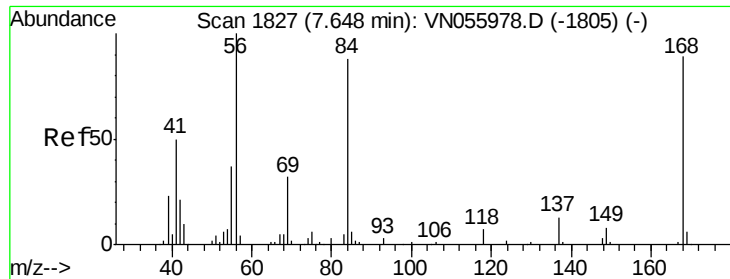
500

0

Time-->

4.65 4.70 4.75 4.80

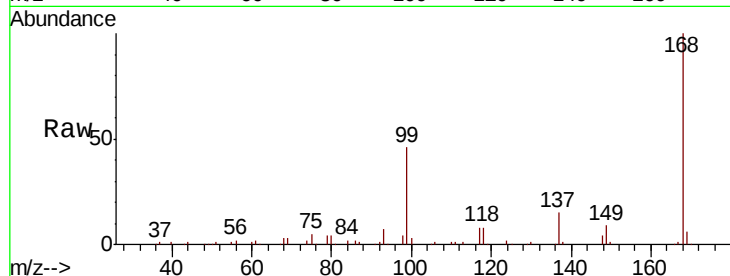




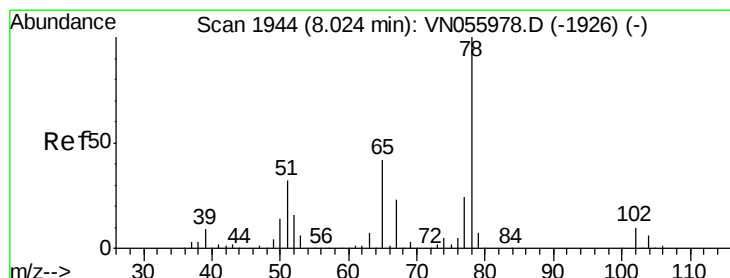
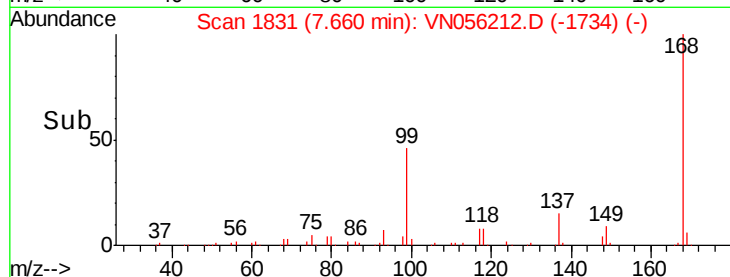
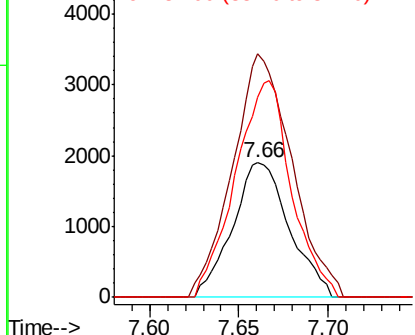
#31
Cyclohexane
Concen: 0.879 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056212.D
Acq: 11 Jun 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
BP-TB06-20190609

Tot Ion: 56 Resp: 4217
Ion Ratio Lower Upper
56 100
69 181.0 25.6 38.4#
84 148.9 67.4 101.0#

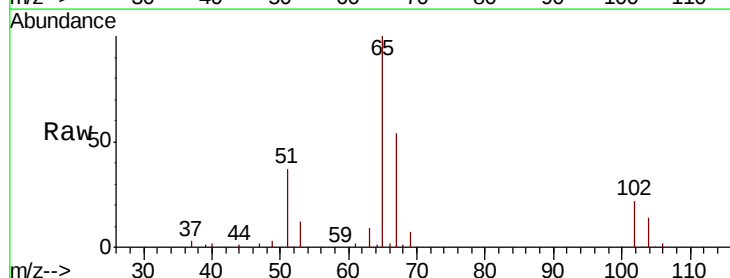


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

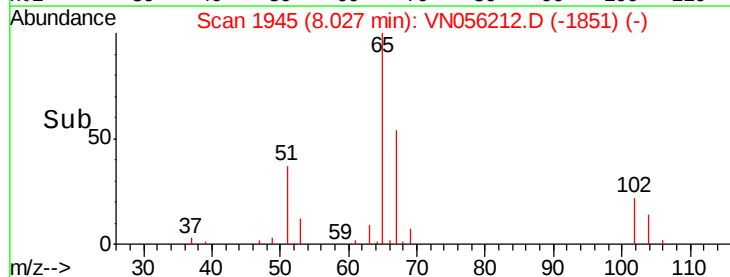
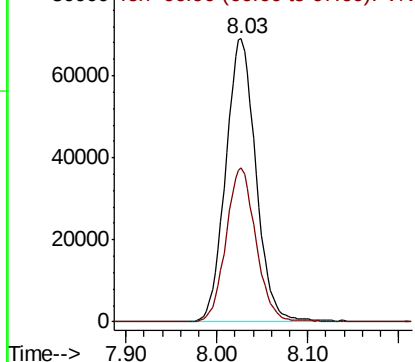


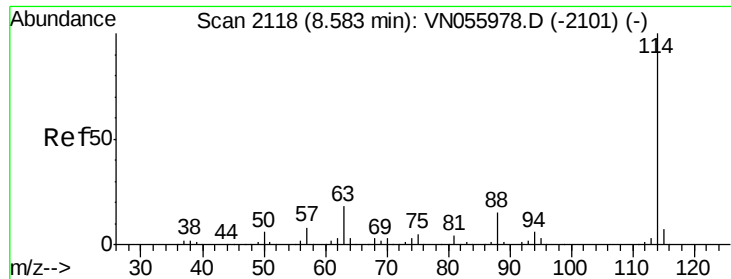
#33
1,2-Dichloroethane-d4
Concen: 52.723 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056212.D
Acq: 11 Jun 2019 10:36

Tgt Ion: 65 Resp: 159316
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.2



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

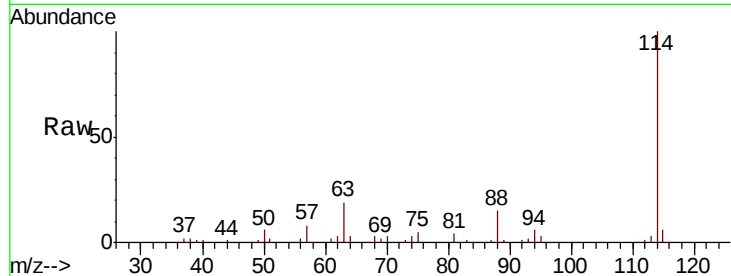




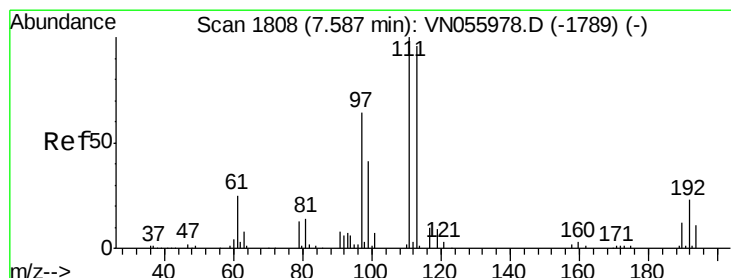
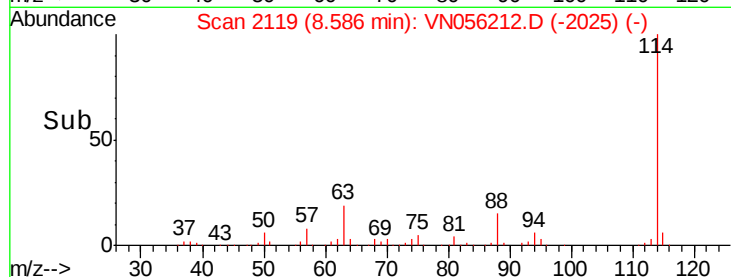
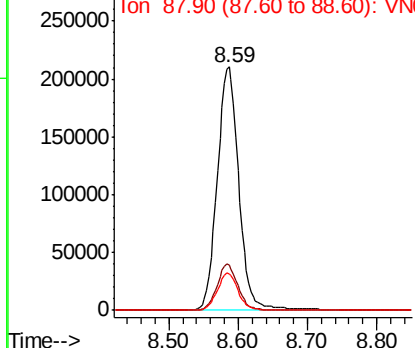
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056212.D
 Acq: 11 Jun 2019 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB06-20190609

Tot Ion:114 Resp: 455212
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.2
 88 15.1 0.0 31.0

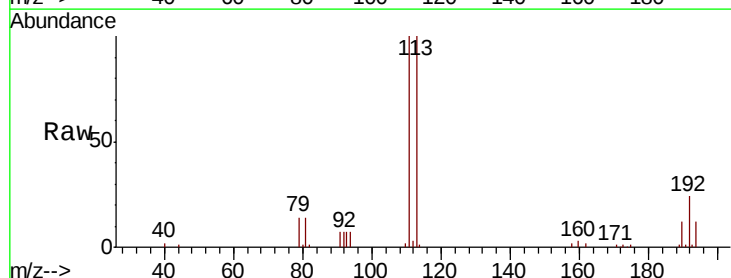


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

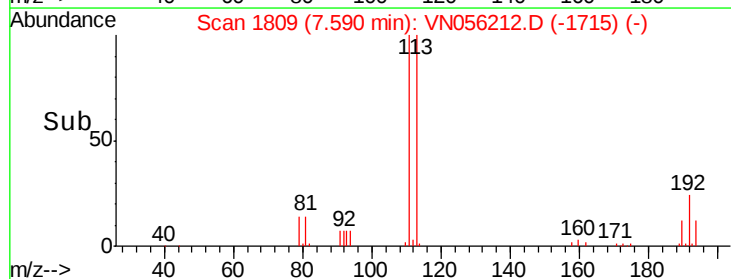
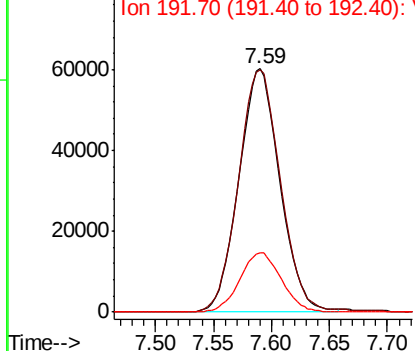


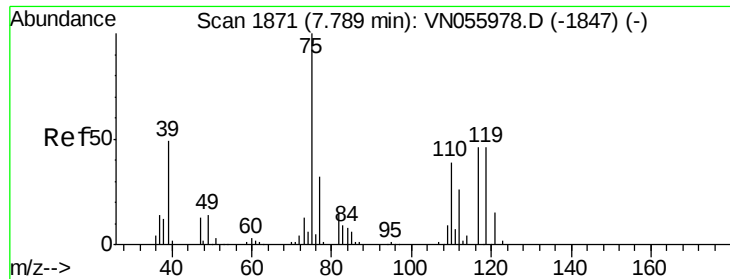
#35
 Dibromofluoromethane
 Concen: 53.035 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056212.D
 Acq: 11 Jun 2019 10:36

Tgt Ion:113 Resp: 148121
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.9 122.9
 192 24.8 19.5 29.3



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

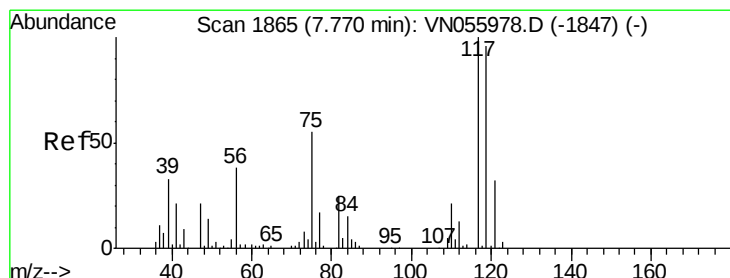
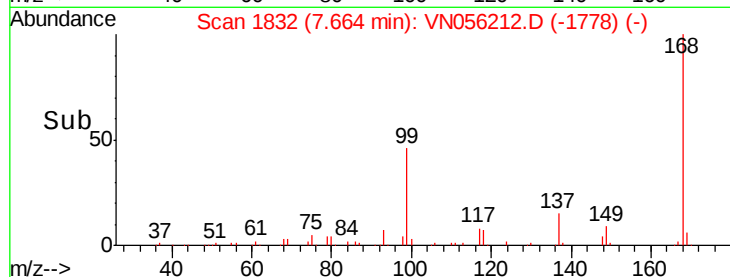
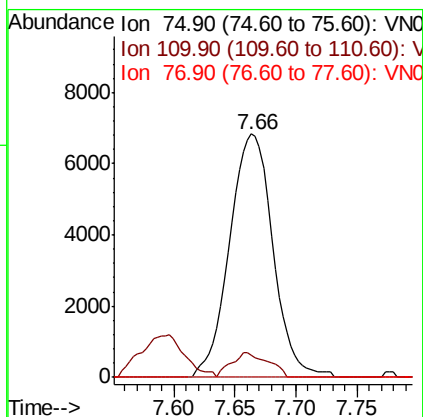
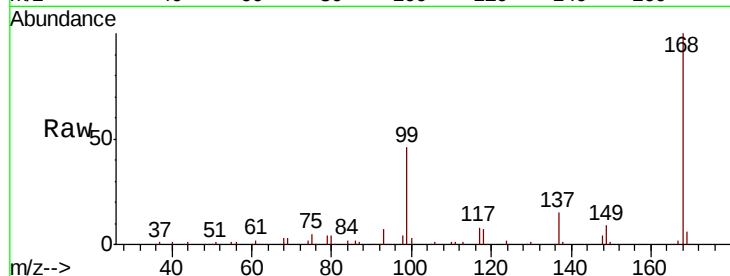




#36
 1,1-Dichloropropene
 Concen: 4.304 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056212.D
 Acq: 11 Jun 2019 10:36

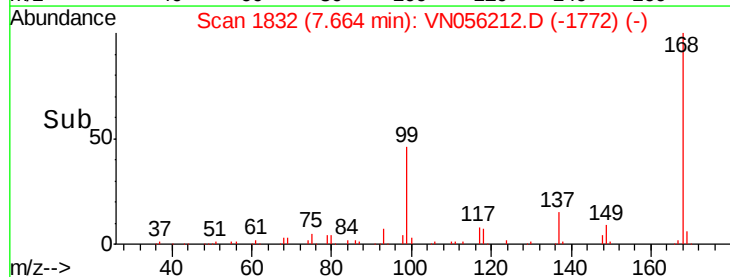
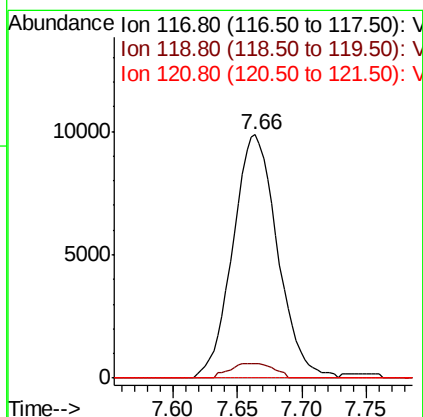
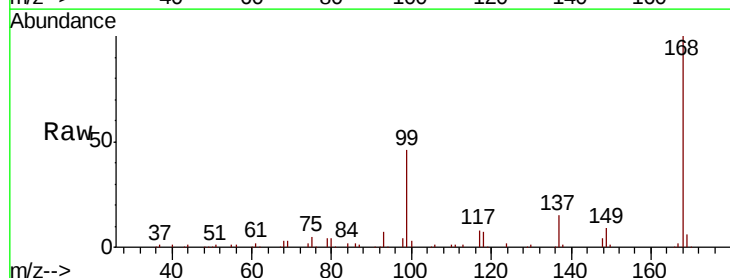
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB06-20190609

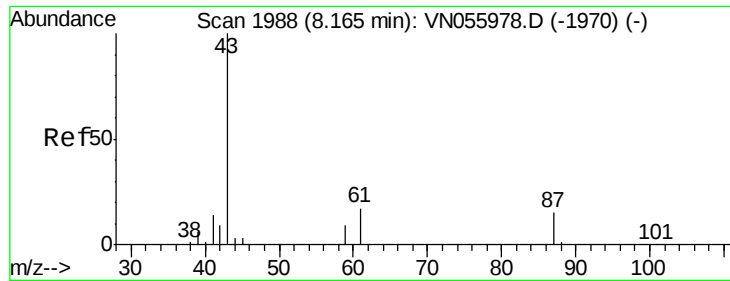
Tot Ion	75	Resp	16847
Ion Ratio	Lower	Upper	
75	100		
110	8.6	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.600 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056212.D
 Acq: 11 Jun 2019 10:36

Tgt Ion	117	Resp	23816
Ion Ratio	Lower	Upper	
117	100		
119	6.0	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.281 ug/l

RT: 8.32 min Scan# 2037

Delta R.T. 0.16 min

Lab File: VN056212.D

Acq: 11 Jun 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

BP-TB06-20190609

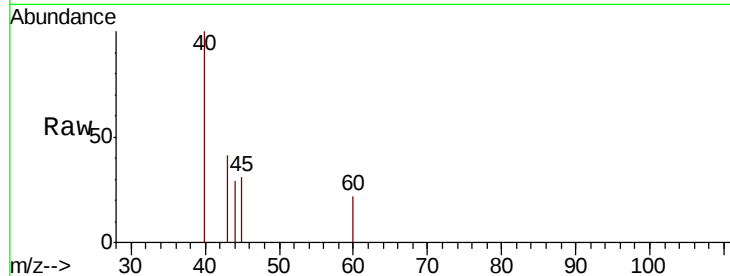
Tot Ion: 43 Resp: 1585

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

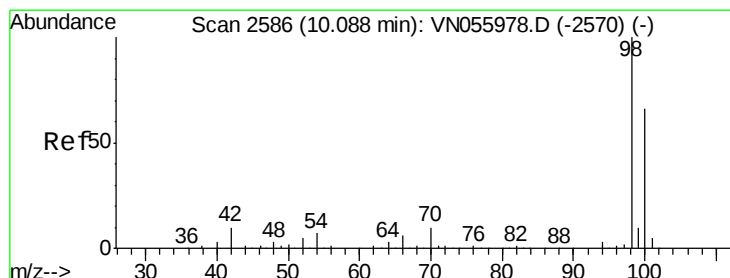
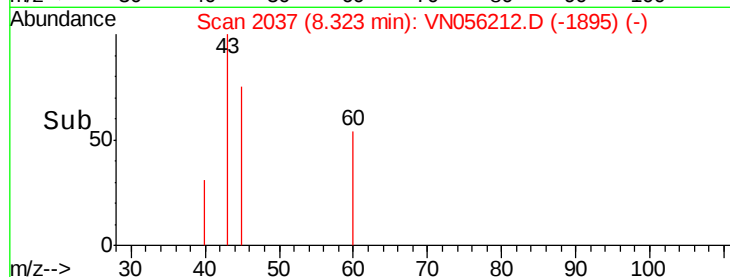
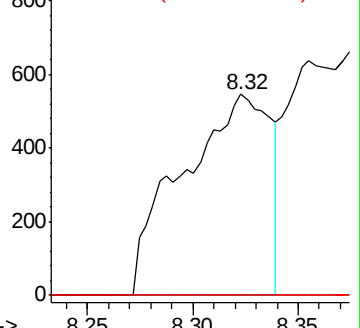
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 87.00 (86.70 to 87.70): VNC



#50

Toluene-d8

Concen: 53.879 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056212.D

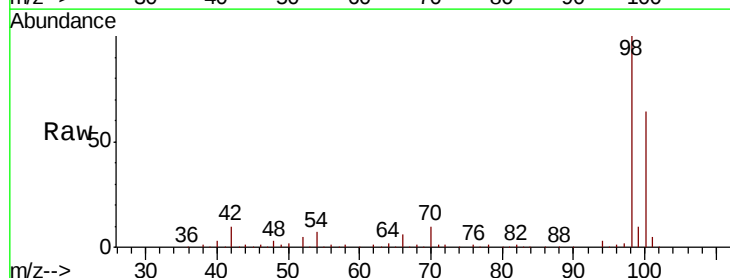
Acq: 11 Jun 2019 10:36

Tgt Ion: 98 Resp: 579038

Ion Ratio Lower Upper

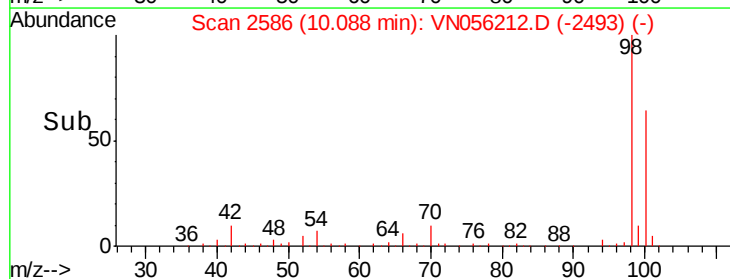
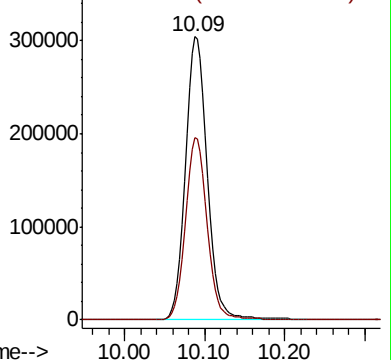
98 100

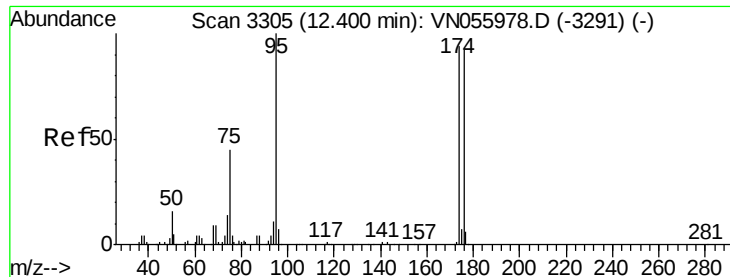
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VNC

Ion 100.00 (99.70 to 100.70): VNC





#62

4-Bromofluorobenzene

Concen: 50.648 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056212.D

Acq: 11 Jun 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

BP-TB06-20190609

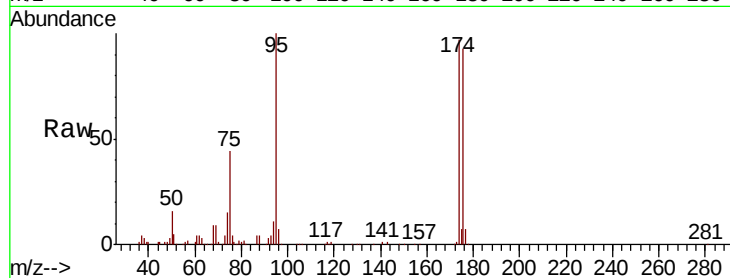
Tot Ion: 95 Resp: 185109

Ion Ratio Lower Upper

95 100

174 98.2 0.0 191.0

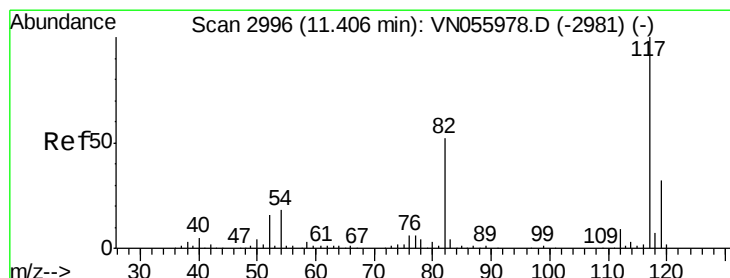
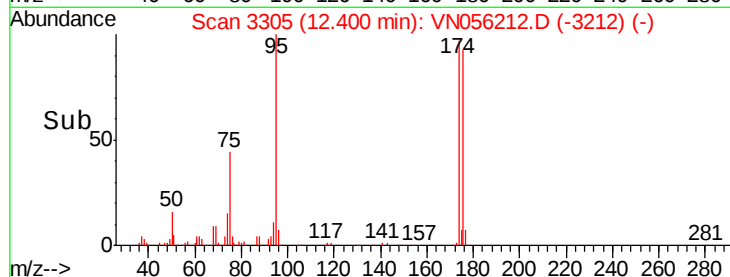
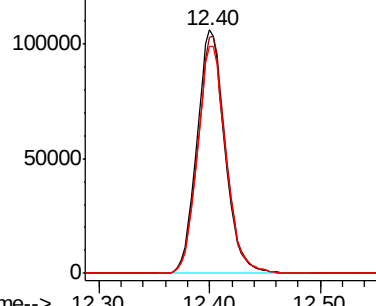
176 94.9 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN056212.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN056212.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN056212.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056212.D

Acq: 11 Jun 2019 10:36

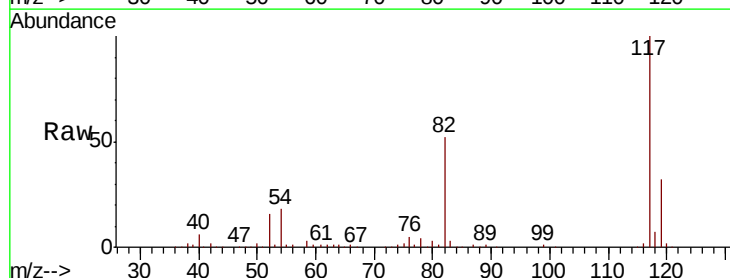
Tgt Ion: 117 Resp: 446788

Ion Ratio Lower Upper

117 100

82 52.0 41.8 62.8

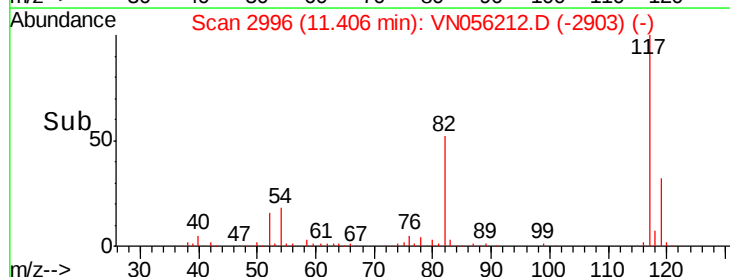
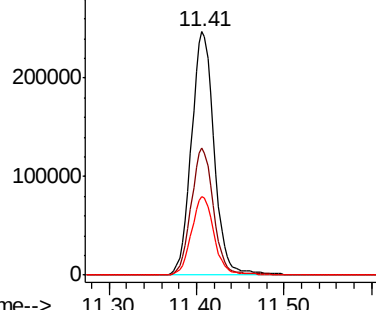
119 32.4 25.4 38.0

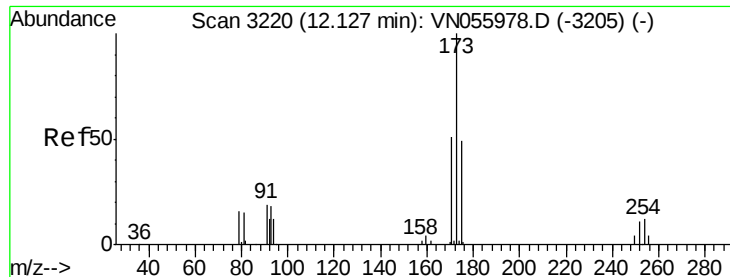


Abundance Ion 116.90 (116.60 to 117.60): VN056212.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN056212.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN056212.D (-2903) (-)

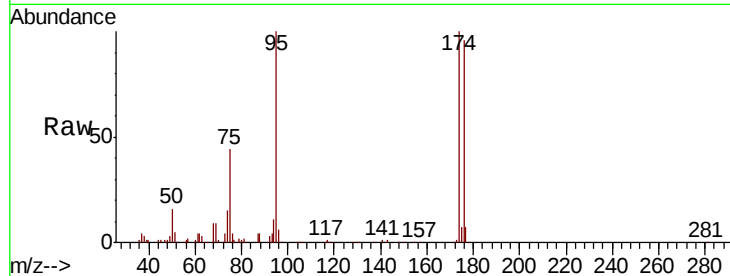




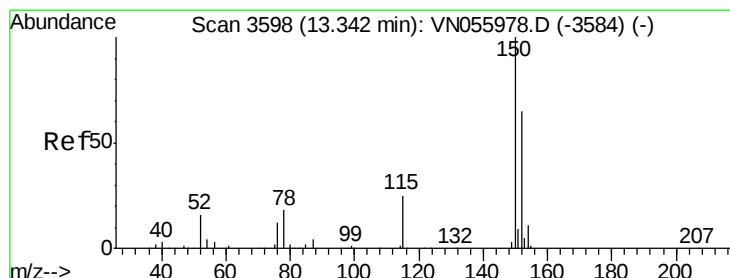
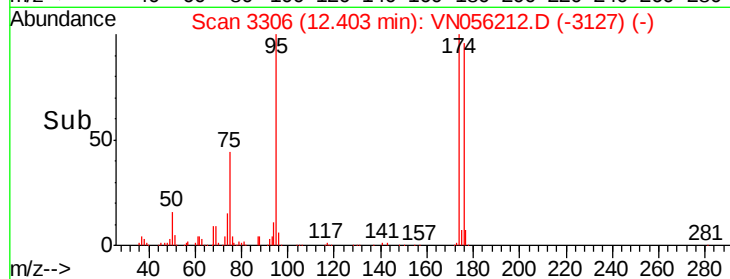
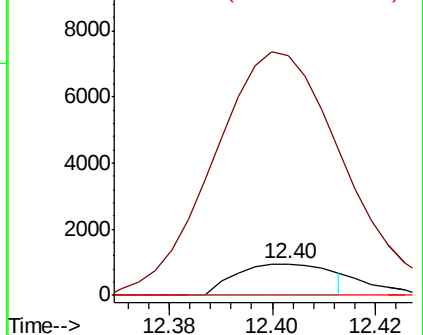
#71
Bromoform
Concen: 3.182 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056212.D
Acq: 11 Jun 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
BP-TB06-20190609

Tot Ion:173 Resp: 1200
Ion Ratio Lower Upper
173 100
175 923.5 24.3 72.8#
254 0.0 0.0 0.0

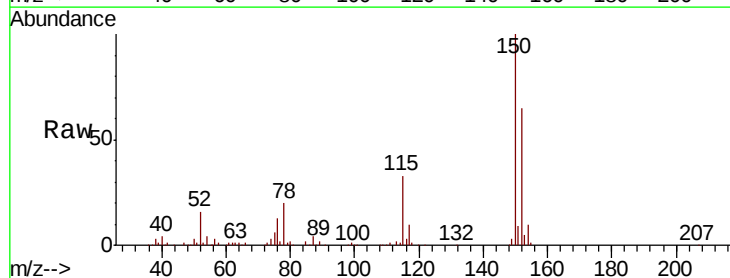


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

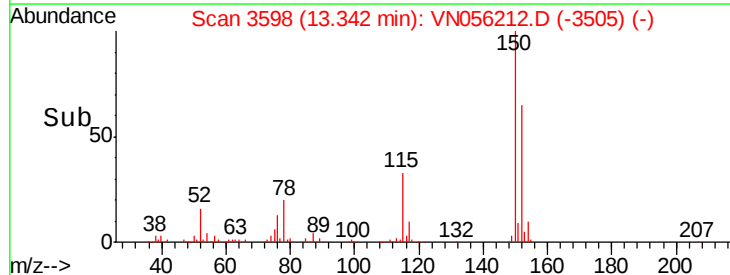
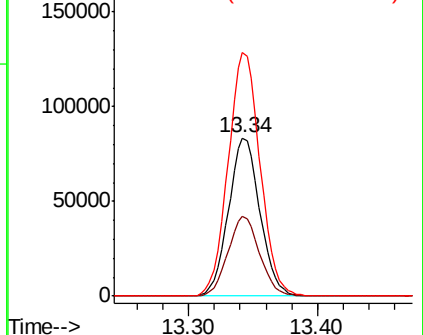


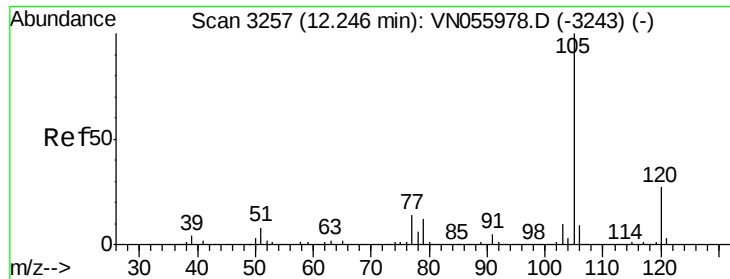
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056212.D
Acq: 11 Jun 2019 10:36

Tgt Ion:152 Resp: 141370
Ion Ratio Lower Upper
152 100
115 50.6 27.0 81.0
150 155.9 0.0 343.2



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





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN056212.D

Acq: 11 Jun 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

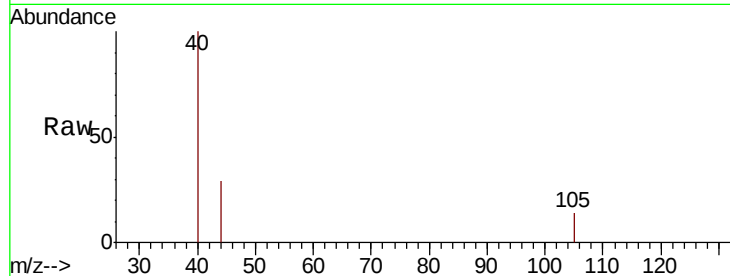
BP-TB06-20190609

Tot Ion:105 Resp: 104

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.26

200

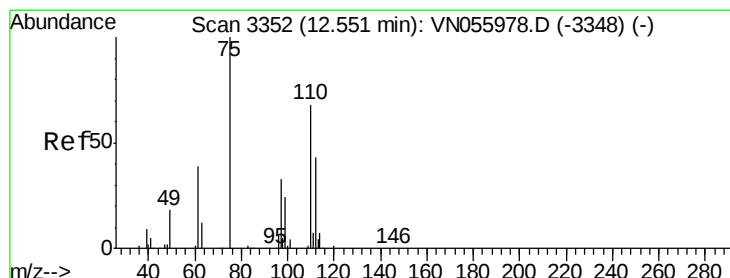
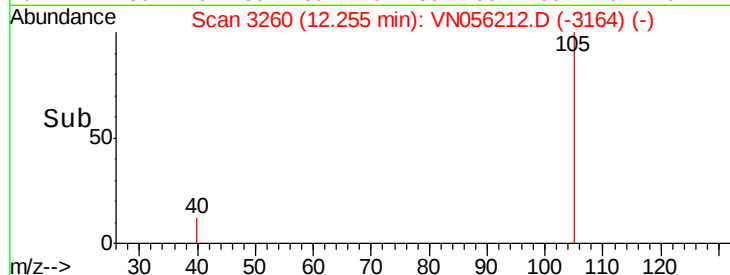
150

100

50

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 31.752 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056212.D

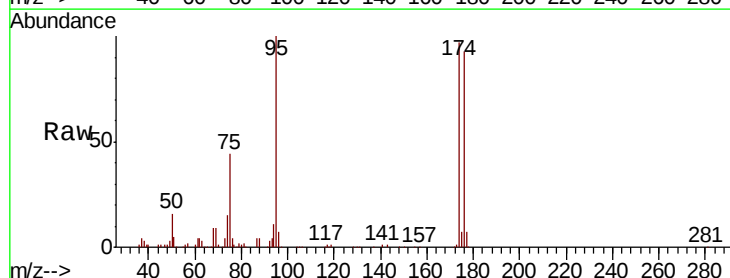
Acq: 11 Jun 2019 10:36

Tgt Ion: 75 Resp: 82595

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

50000

40000

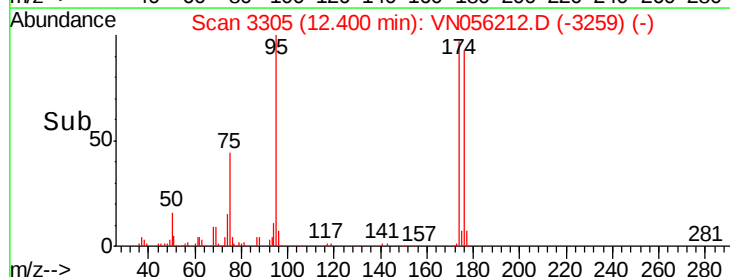
30000

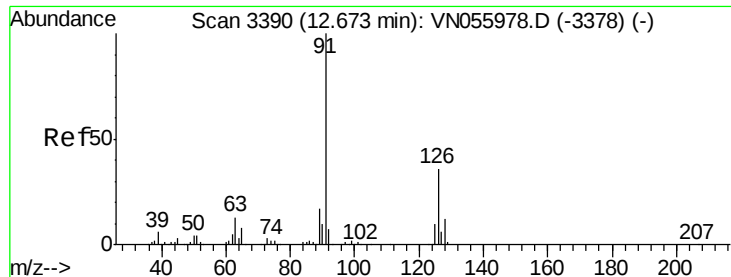
20000

10000

0

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN056212.D

Acq: 11 Jun 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

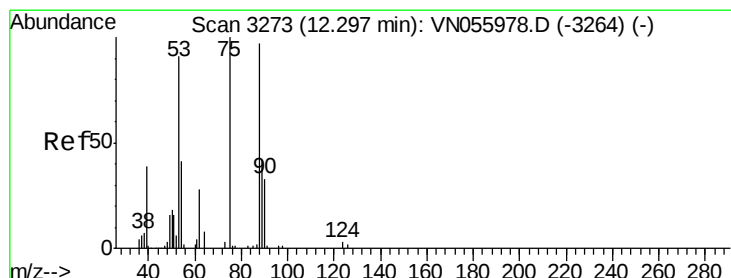
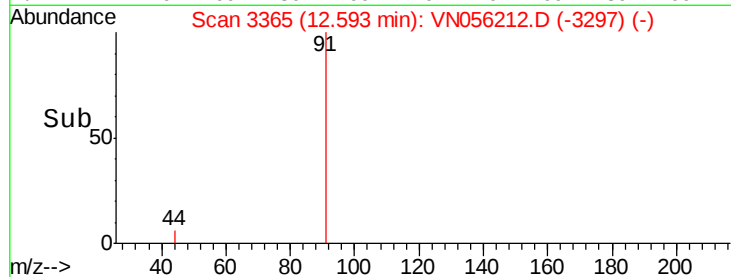
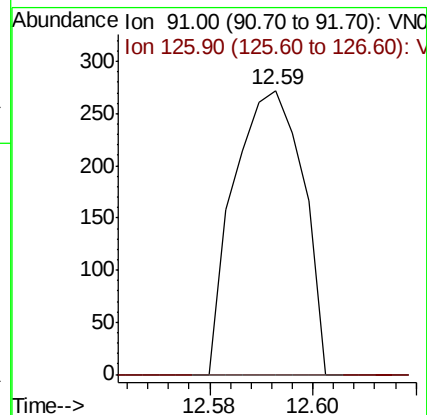
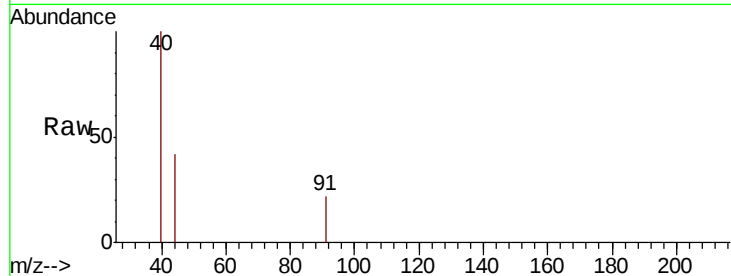
BP-TB06-20190609

Tot Ion: 91 Resp: 251

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.740 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056212.D

Acq: 11 Jun 2019 10:36

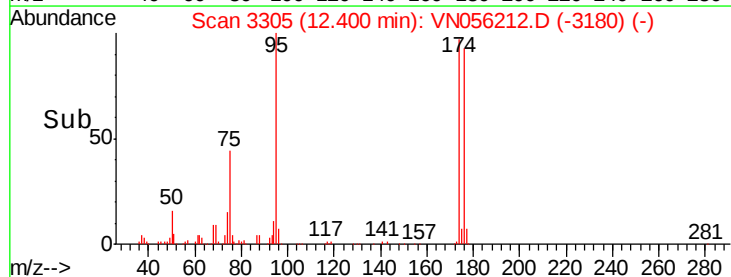
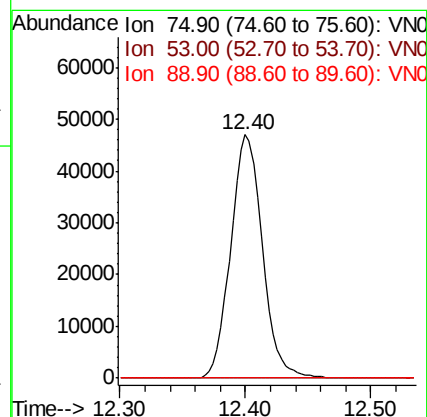
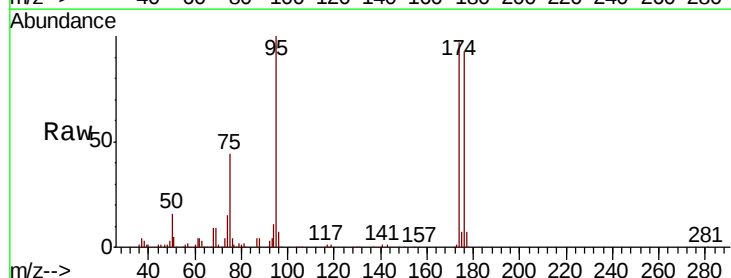
Tgt Ion: 75 Resp: 82595

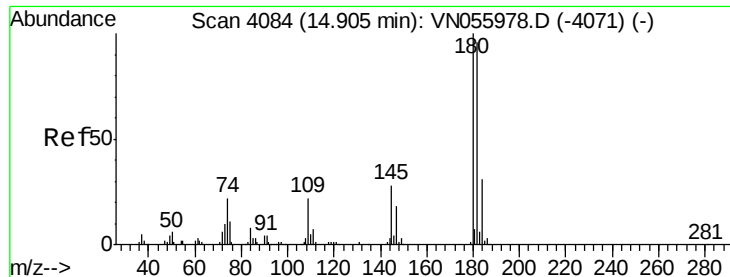
Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

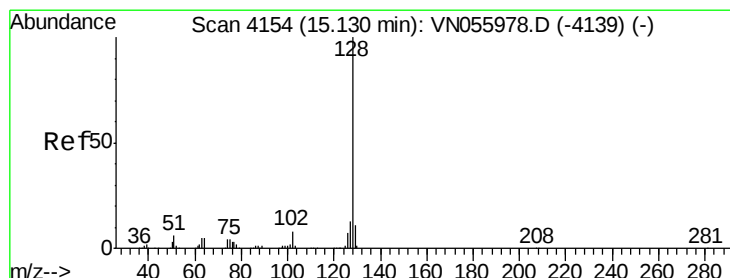
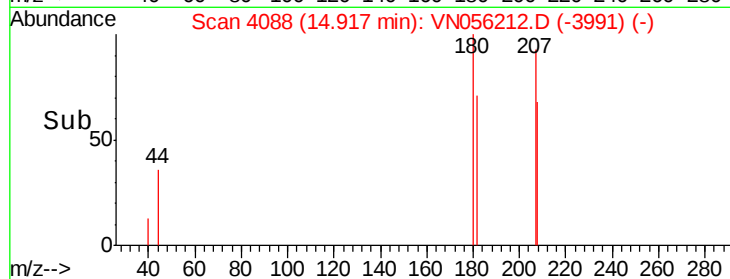
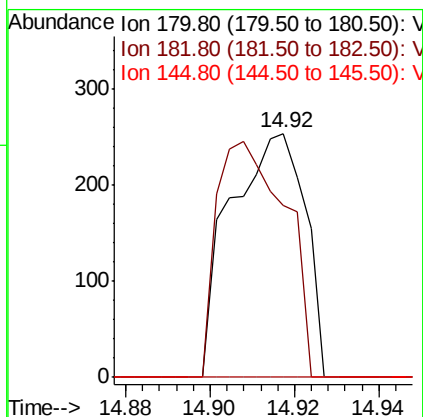
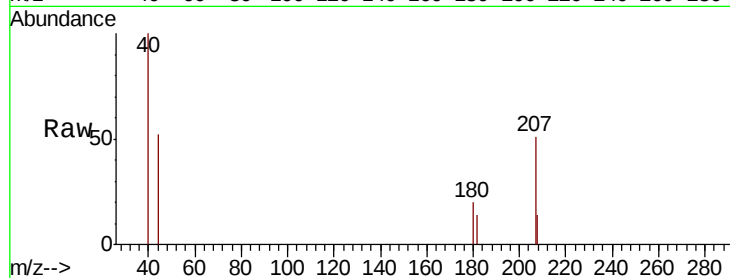




#93
 1,2,4-Trichlorobenzene
 Concen: 4.379 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN056212.D
 Acq: 11 Jun 2019 10:36

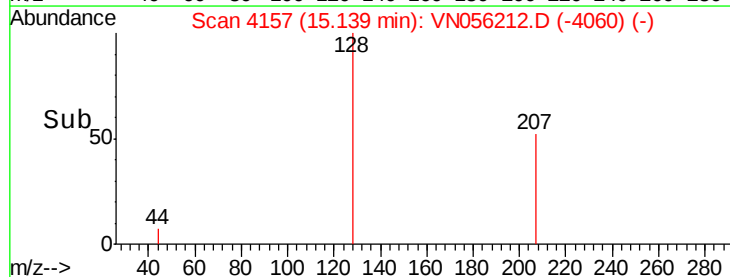
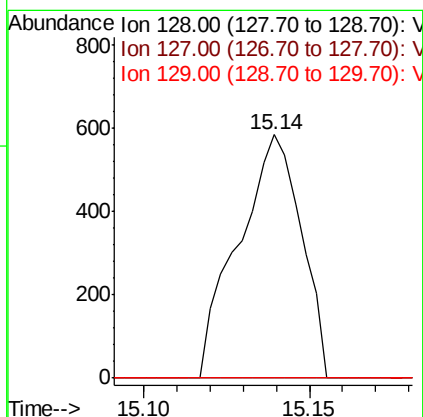
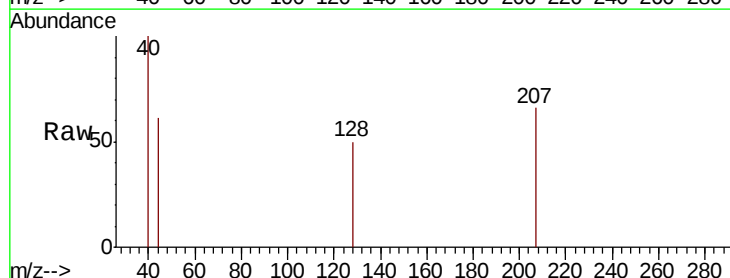
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB06-20190609

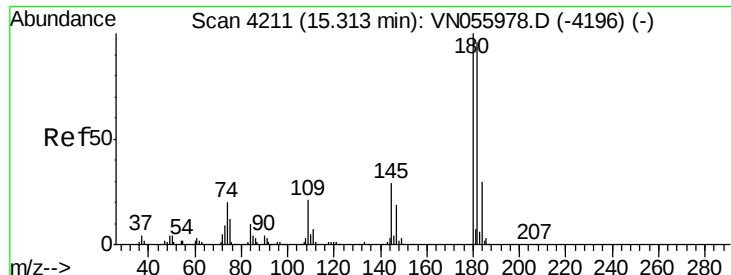
Tot Ion:180 Resp: 311
 Ion Ratio Lower Upper
 180 100
 182 89.1 48.3 144.9
 145 0.0 14.0 41.9#



#95
 Naphthalene
 Concen: 3.957 ug/l
 RT: 15.14 min Scan# 4157
 Delta R.T. 0.01 min
 Lab File: VN056212.D
 Acq: 11 Jun 2019 10:36

Tgt Ion:128 Resp: 771
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.149 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056212.D
 Acq: 11 Jun 2019 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB06-20190609

Tot Ion:180 Resp: 333
 Ion Ratio Lower Upper
 180 100
 182 44.7 47.9 143.7#
 145 0.0 14.9 44.7#

