

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054956.D
 Acq On : 4 Apr 2019 19:04
 Operator : JC/SP
 Sample : K2193-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-C

Quant Time: Apr 05 04:02:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	521638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	887137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	773972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	312641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	355689	51.72	ug/l	0.00
Spiked Amount						
			Recovery	=	103.44%	
35) Dibromofluoromethane	7.59	113	281657	48.77	ug/l	0.00
Spiked Amount						
			Recovery	=	97.54%	
50) Toluene-d8	10.09	98	1055332	48.16	ug/l	0.00
Spiked Amount						
			Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.40	95	341291	46.67	ug/l	0.00
Spiked Amount						
			Recovery	=	93.34%	

Target Compounds

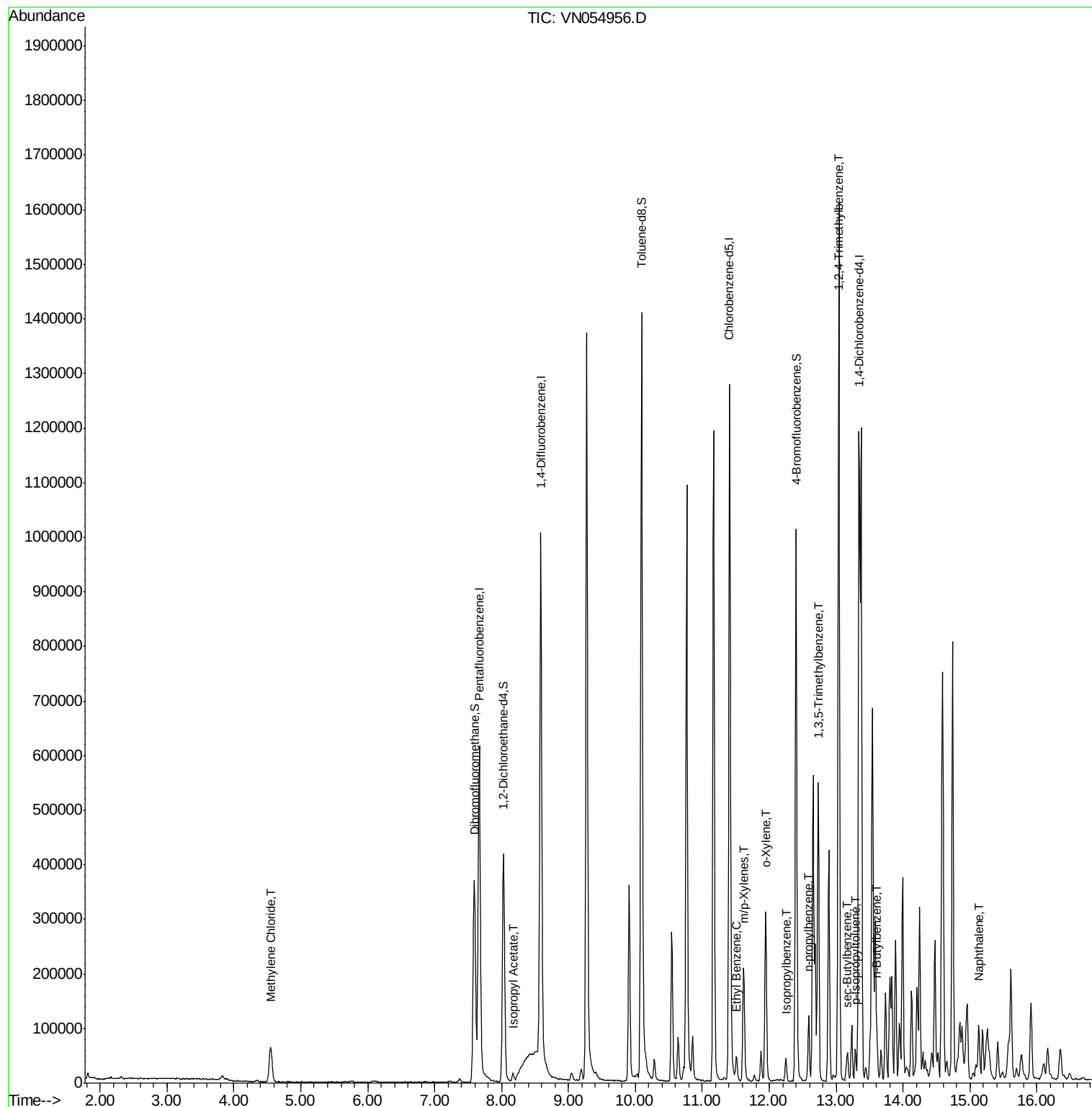
						Qvalue
20) Methylene Chloride	4.55	84	44700	7.003	ug/l	99
43) Isopropyl Acetate	8.17	43	17252	1.697	ug/l	96
67) Ethyl Benzene	11.51	91	30464	1.071	ug/l	100
68) m/p-Xylenes	11.62	106	66890	6.433	ug/l	99
69) o-Xylene	11.95	106	87443	8.622	ug/l	99
73) Isopropylbenzene	12.25	105	26292	0.996	ug/l	100
78) n-propylbenzene	12.59	91	92042	3.163	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	293664	13.539	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	909641	43.346	ug/l	100
85) sec-Butylbenzene	13.17	105	32400	1.358	ug/l #	77
86) p-Isopropyltoluene	13.29	119	31079	1.511	ug/l	98
89) n-Butylbenzene	13.61	91	30834	1.876	ug/l #	65
95) Naphthalene	15.13	128	81198	9.336	ug/l #	97

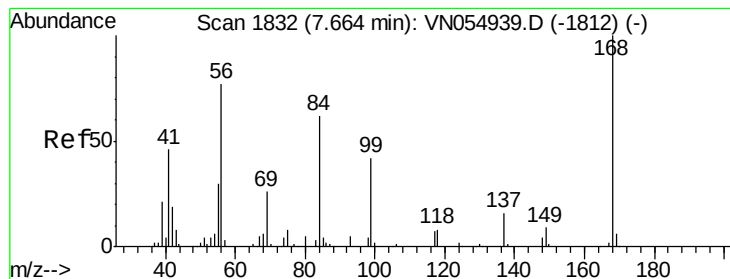
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

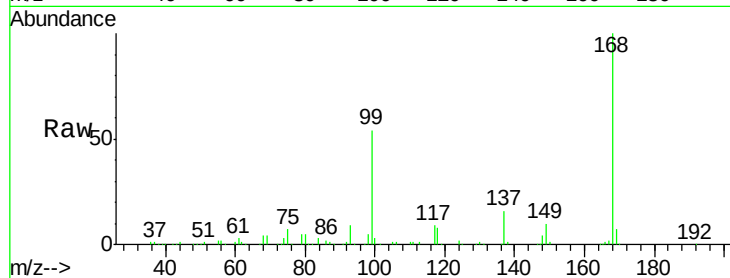
HR-06-040319-C

Tgt Ion:168 Resp: 521638

Ion Ratio Lower Upper

168 100

99 54.4 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VN054939.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN054939.D (-1812) (-)

7.67

250000

200000

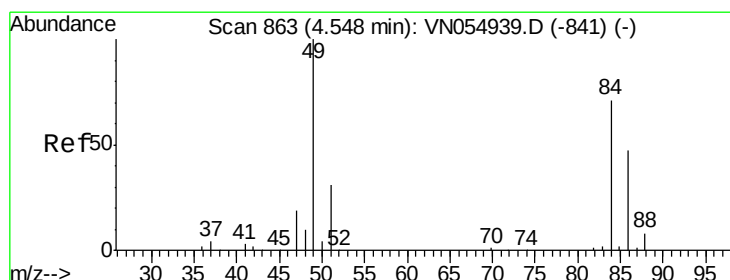
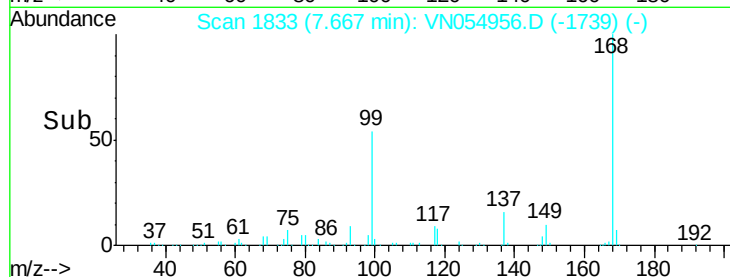
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 7.003 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Tgt Ion: 84 Resp: 44700

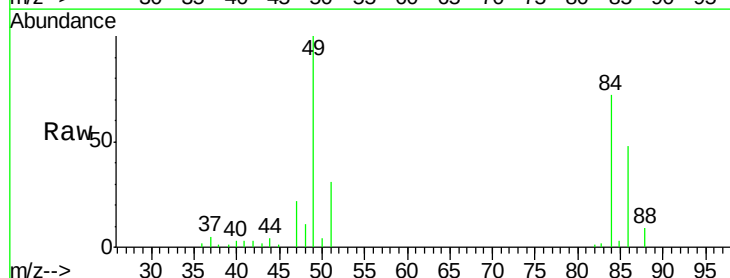
Ion Ratio Lower Upper

84 100

49 139.3 112.1 168.1

51 43.4 34.5 51.7

86 66.4 52.2 78.4



Abundance Ion 83.90 (83.60 to 84.60): VN054939.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN054939.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN054939.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN054939.D (-841) (-)

4.55

30000

25000

20000

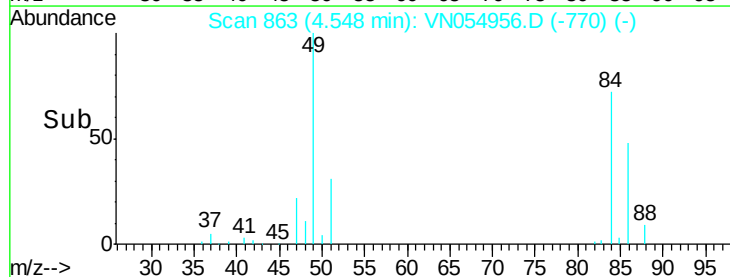
15000

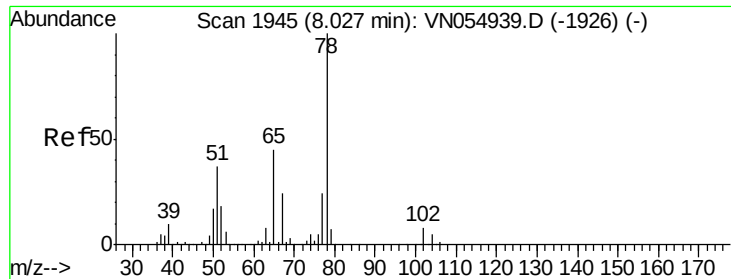
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5000

0

Time-->

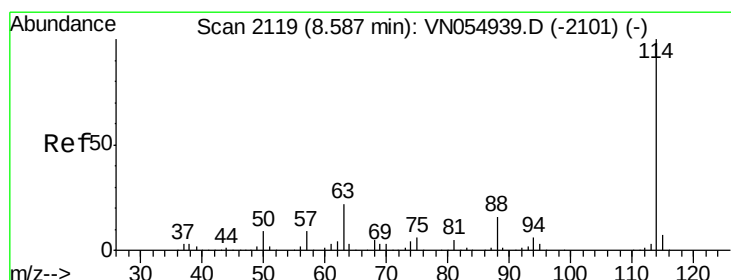
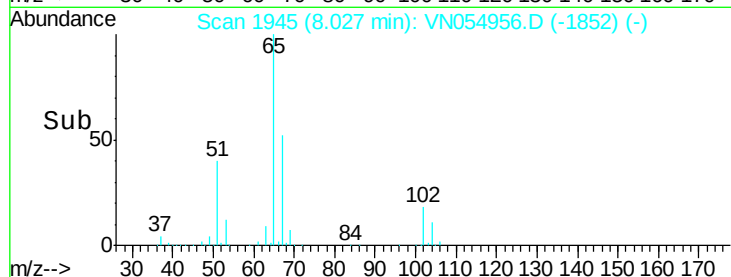
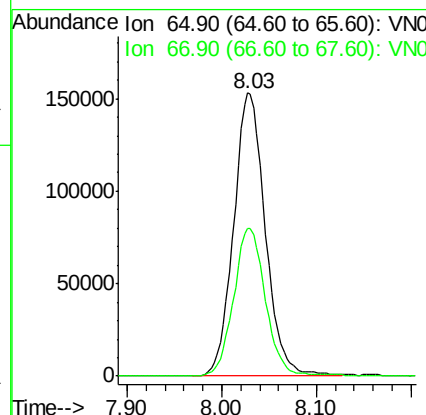
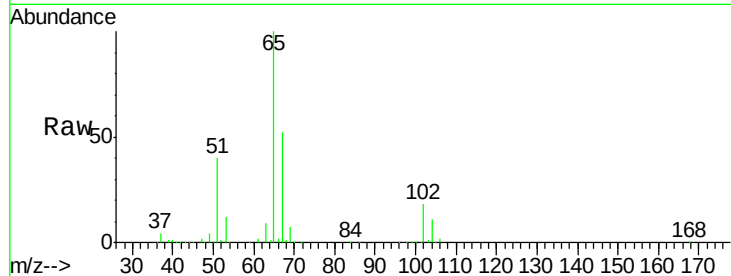




#33
1,2-Dichloroethane-d4
Concen: 51.717 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

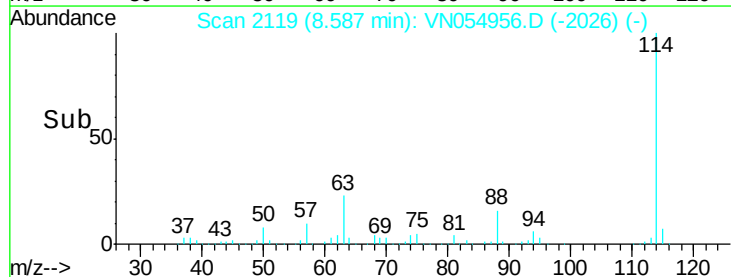
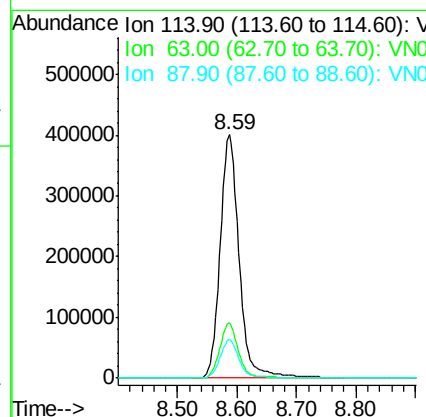
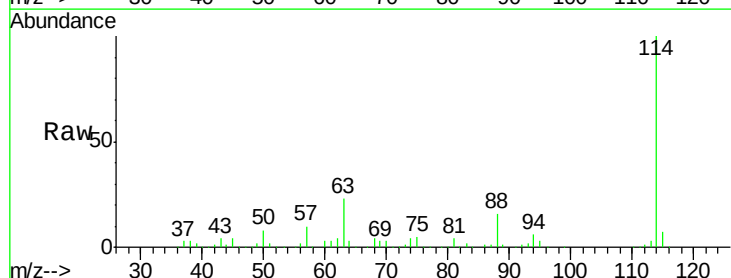
Instrument :
MSVOA_N
ClientSampleId :
HR-06-040319-C

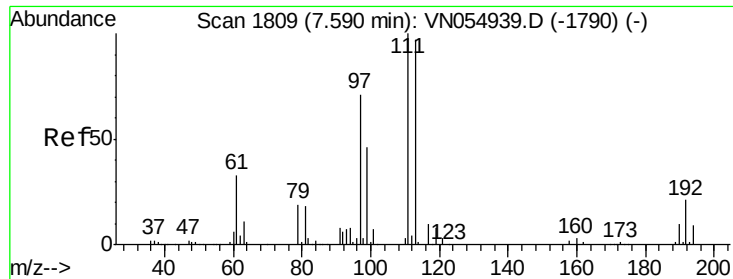
Tgt Ion: 65 Resp: 355689
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

Tgt Ion: 114 Resp: 887137
Ion Ratio Lower Upper
114 100
63 22.6 0.0 44.6
88 16.0 0.0 32.0

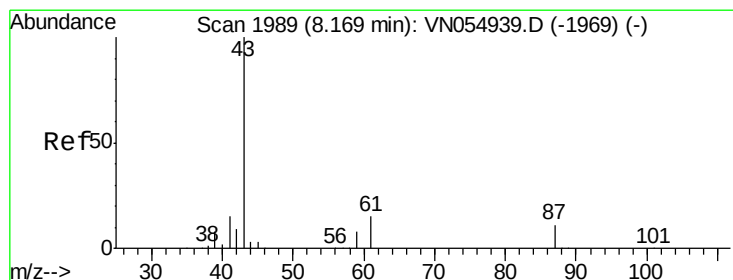
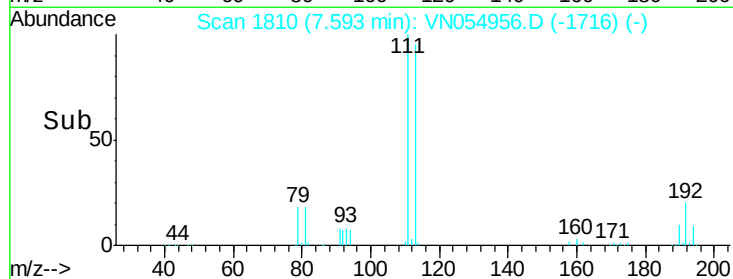
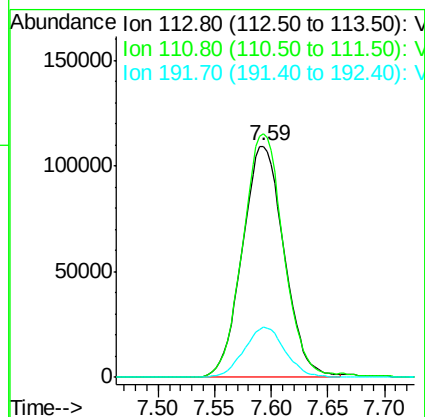
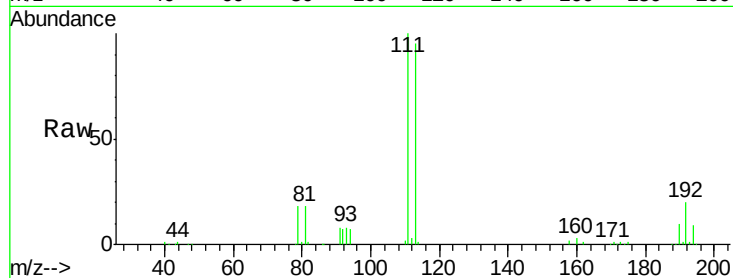




#35
 Dibromofluoromethane
 Concen: 48.773 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054956.D
 Acq: 4 Apr 2019 19:04

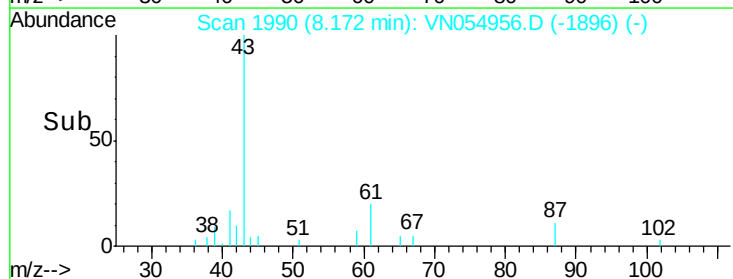
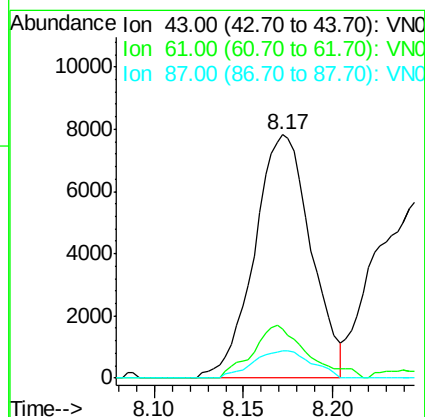
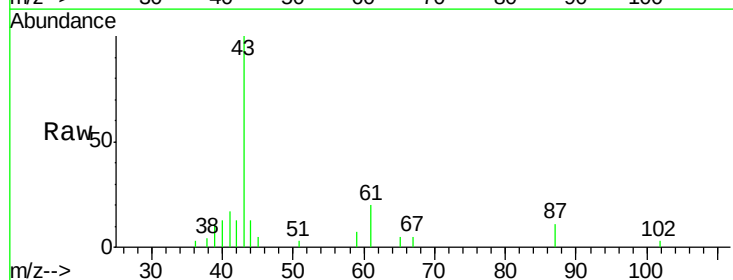
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-C

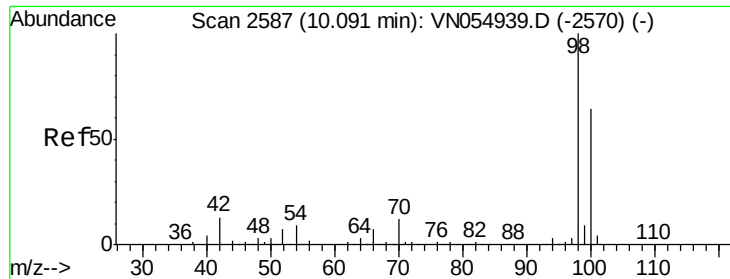
Tgt Ion:113 Resp: 281657
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.0 121.4
 192 21.4 16.5 24.7



#43
 Isopropyl Acetate
 Concen: 1.697 ug/l
 RT: 8.17 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN054956.D
 Acq: 4 Apr 2019 19:04

Tgt Ion: 43 Resp: 17252
 Ion Ratio Lower Upper
 43 100
 61 20.7 14.4 21.6
 87 11.7 9.0 13.4





#50

Toluene-d8

Concen: 48.162 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

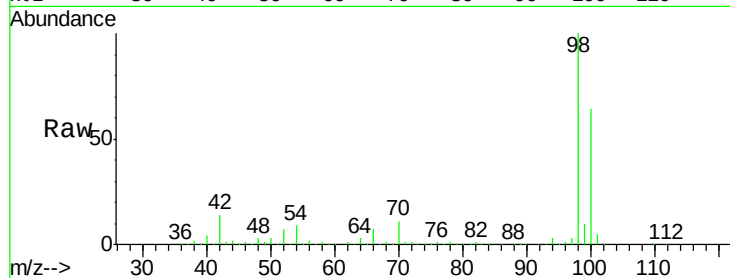
HR-06-040319-C

Tgt Ion: 98 Resp: 1055332

Ion Ratio Lower Upper

98 100

100 64.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN054939.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054939.D (-2570) (-)

10.09

500000

400000

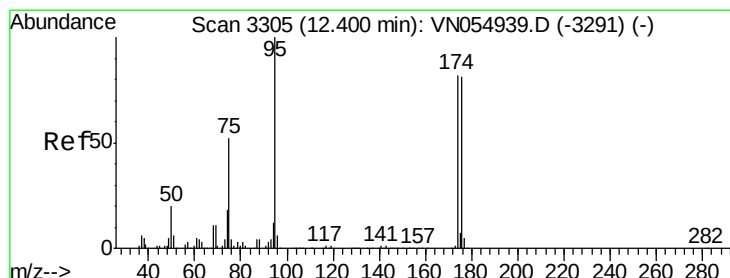
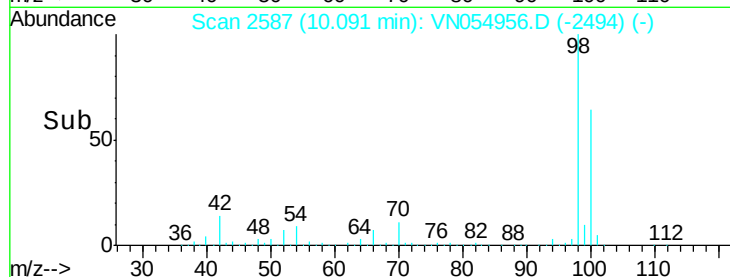
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.672 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

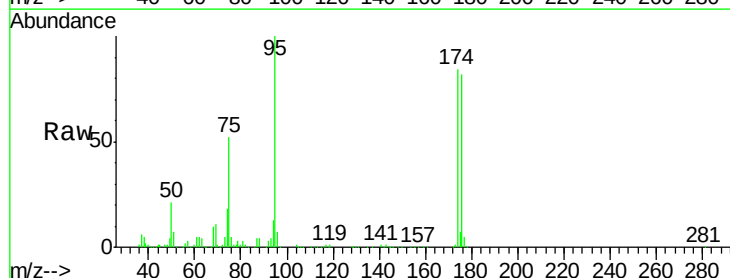
Tgt Ion: 95 Resp: 341291

Ion Ratio Lower Upper

95 100

174 85.3 0.0 166.2

176 81.8 0.0 163.2



Abundance Ion 94.90 (94.60 to 95.60): VN054939.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054939.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054939.D (-3291) (-)

12.40

250000

200000

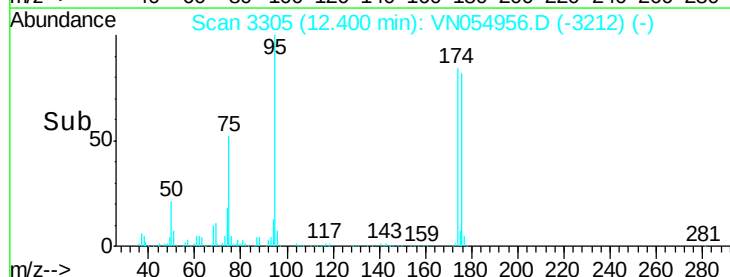
150000

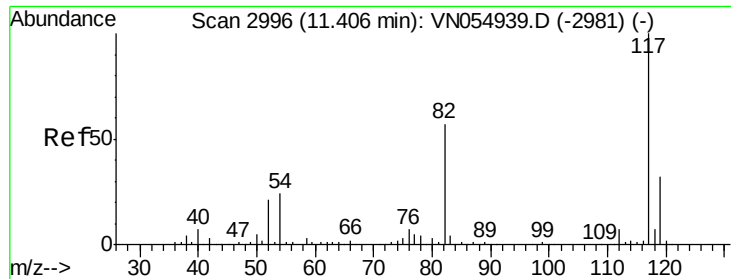
100000

50000

0

Time-->

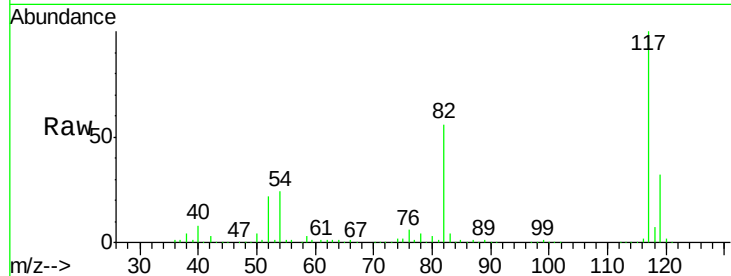




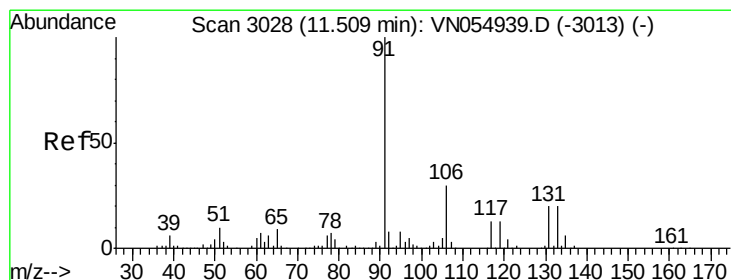
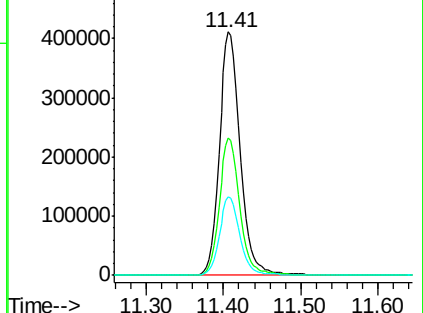
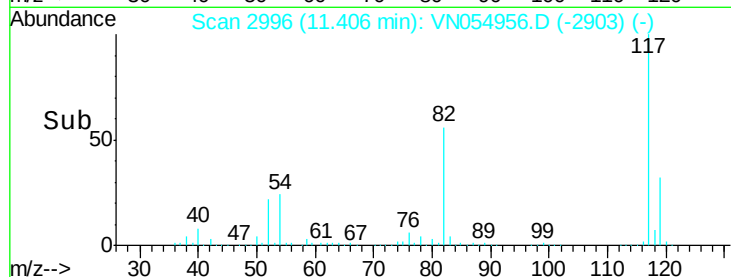
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
HR-06-040319-C

Tgt Ion: 117 Resp: 773972
Ion Ratio Lower Upper
117 100
82 56.4 45.3 67.9
119 32.2 25.8 38.6

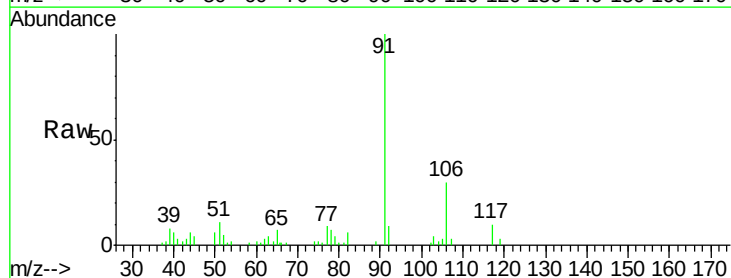


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

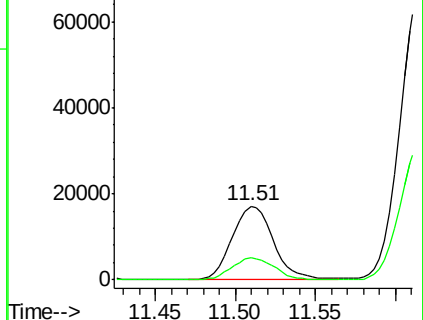
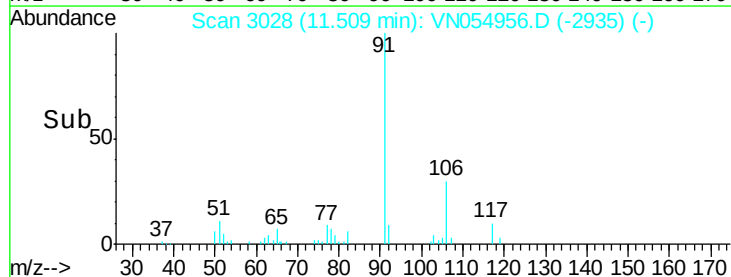


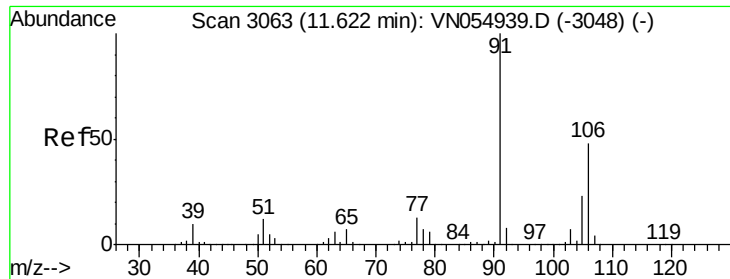
#67
Ethyl Benzene
Concen: 1.071 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

Tgt Ion: 91 Resp: 30464
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

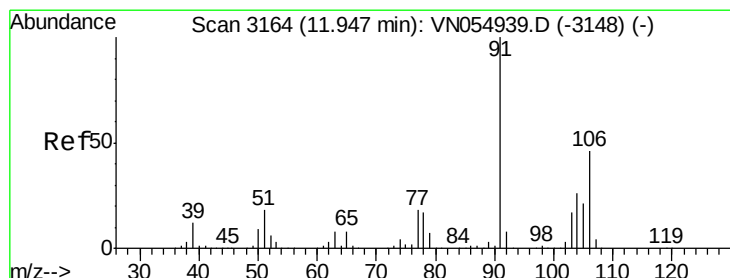
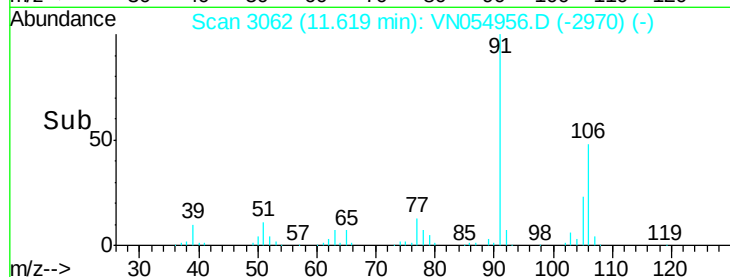
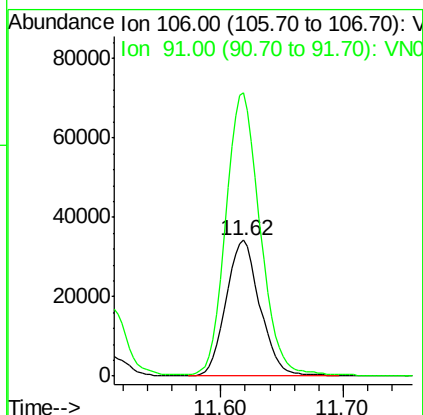
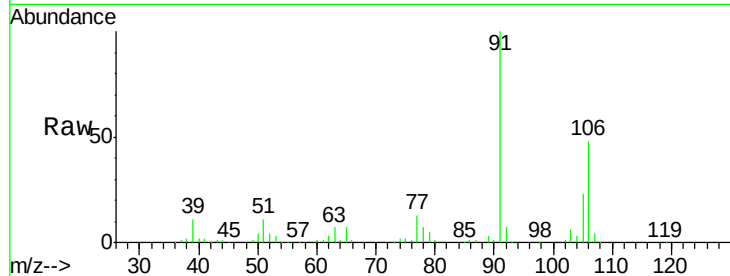




#68
m/p-Xylenes
Concen: 6.433 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

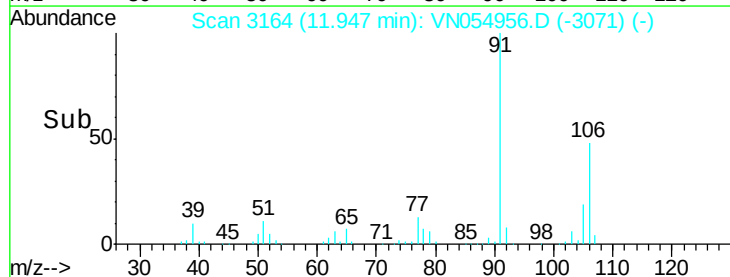
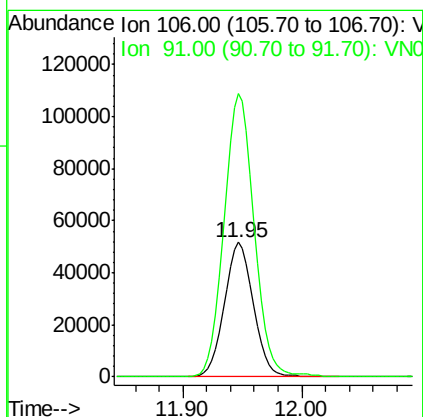
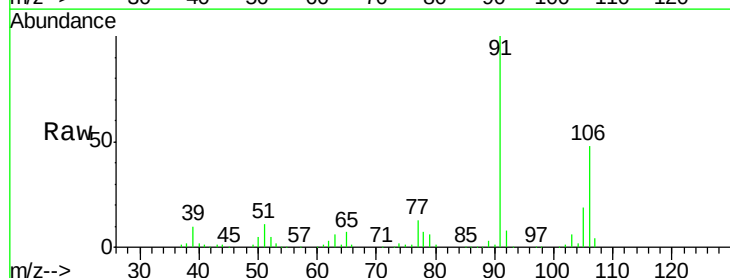
Instrument :
MSVOA_N
ClientSampleId :
HR-06-040319-C

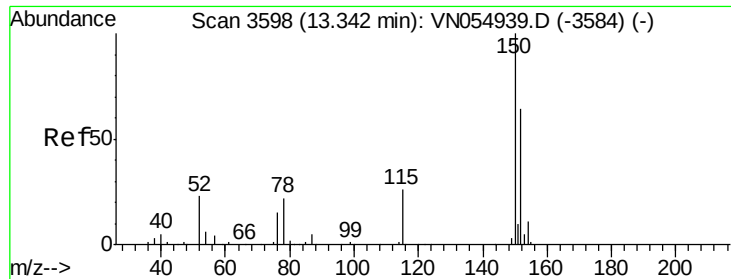
Tgt Ion:106 Resp: 66890
Ion Ratio Lower Upper
106 100
91 208.0 167.4 251.2



#69
o-Xylene
Concen: 8.622 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

Tgt Ion:106 Resp: 87443
Ion Ratio Lower Upper
106 100
91 217.9 109.9 329.7

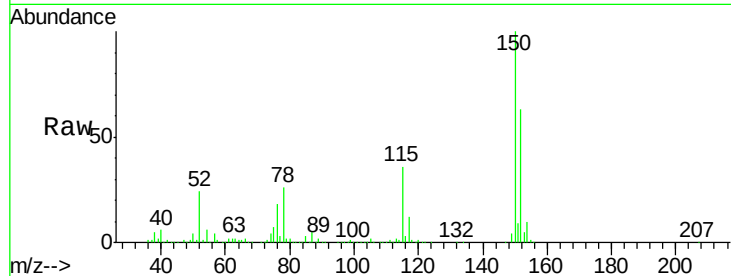




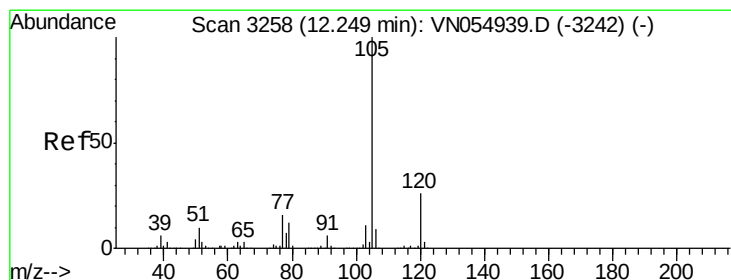
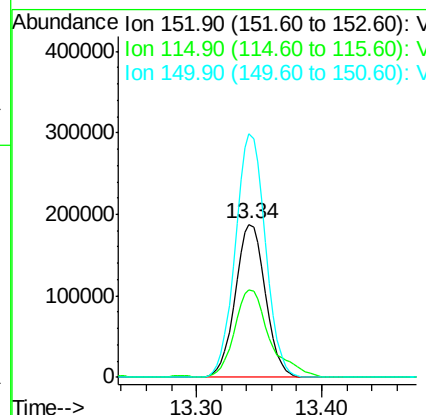
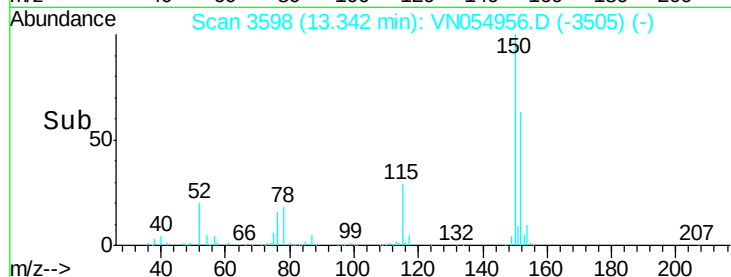
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN054956.D
 Acq: 4 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-C

Tgt Ion:152 Resp: 312641
 Ion Ratio Lower Upper
 152 100
 115 66.4 28.9 86.8
 150 159.0 0.0 345.4

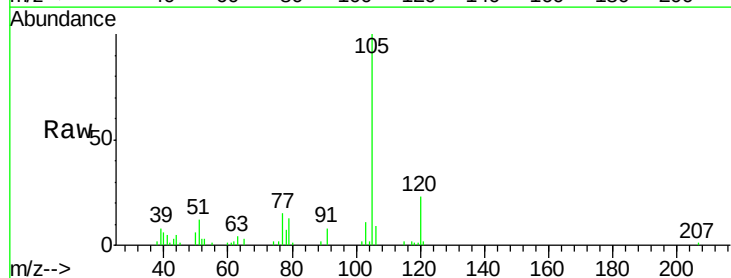


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

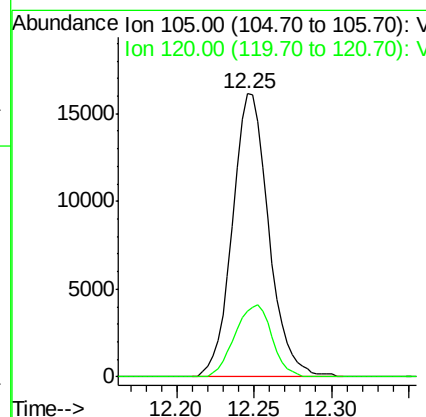
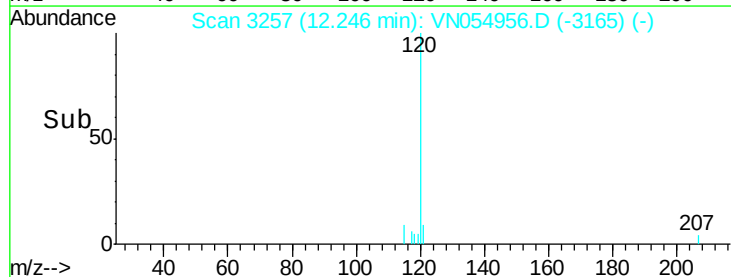


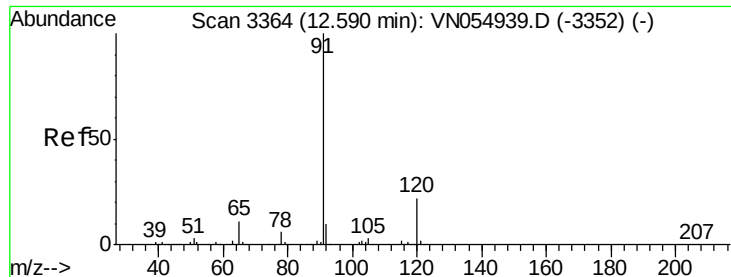
#73
 Isopropylbenzene
 Concen: 0.996 ug/l
 RT: 12.25 min Scan# 3257
 Delta R.T. -0.00 min
 Lab File: VN054956.D
 Acq: 4 Apr 2019 19:04

Tgt Ion:105 Resp: 26292
 Ion Ratio Lower Upper
 105 100
 120 25.9 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.163 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

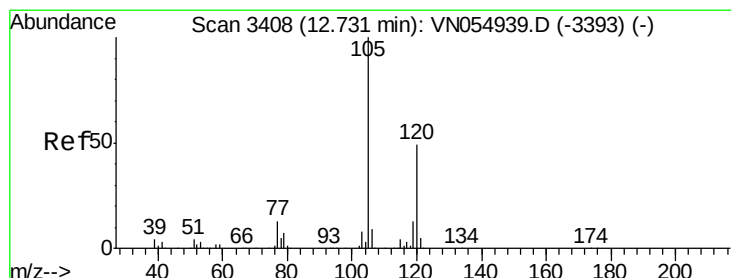
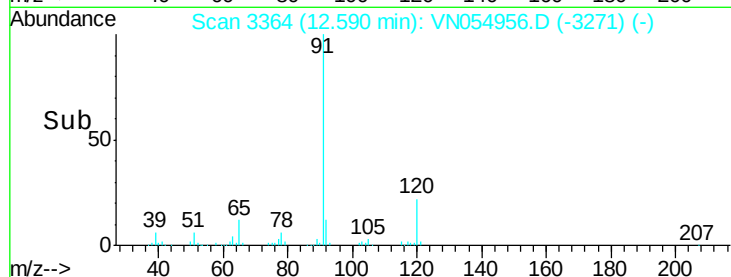
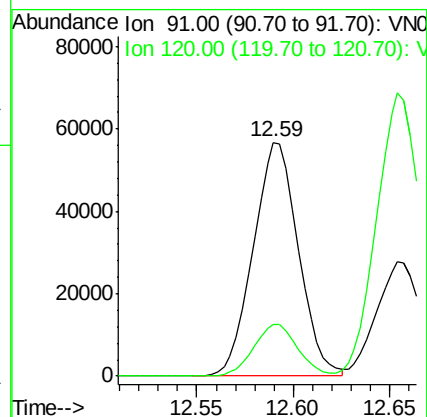
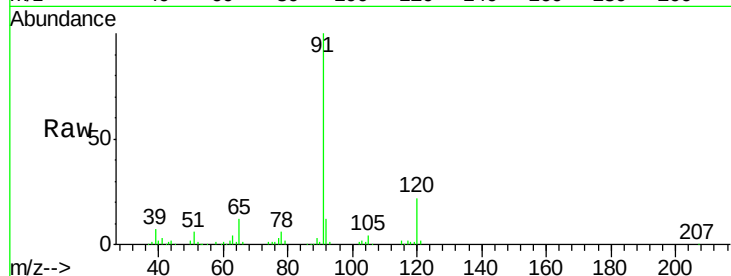
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Tgt Ion: 91 Resp: 92042

Ion Ratio Lower Upper

91 100

120 21.8 11.2 33.6



#80

1,3,5-Trimethylbenzene

Concen: 13.539 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054956.D

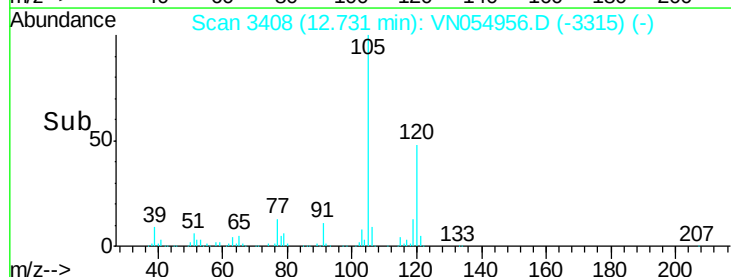
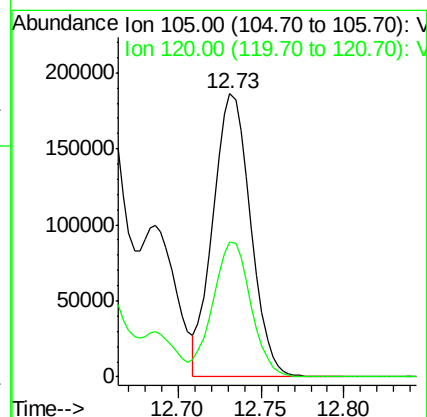
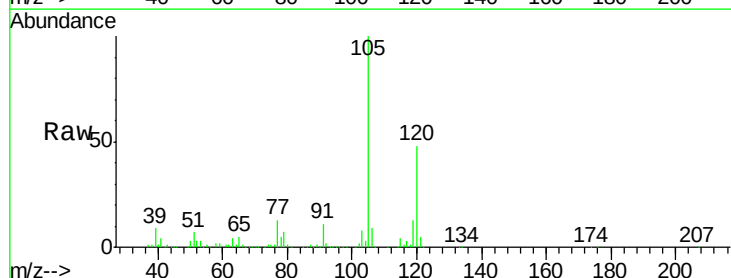
Acq: 4 Apr 2019 19:04

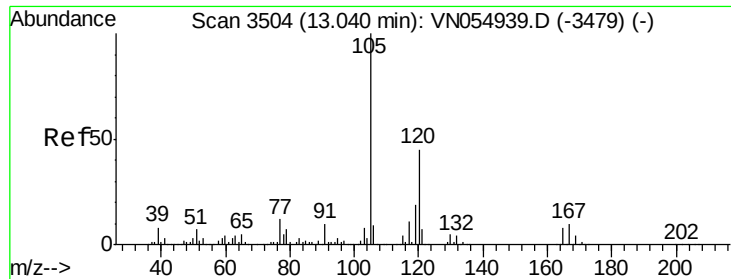
Tgt Ion: 105 Resp: 293664

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 43.346 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

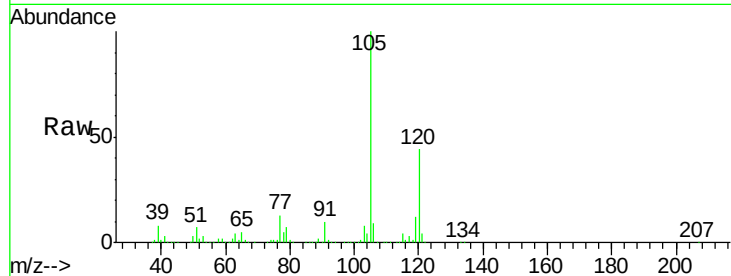
HR-06-040319-C

Tgt Ion:105 Resp: 909641

Ion Ratio Lower Upper

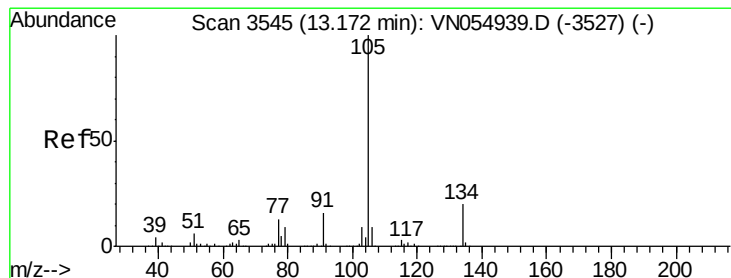
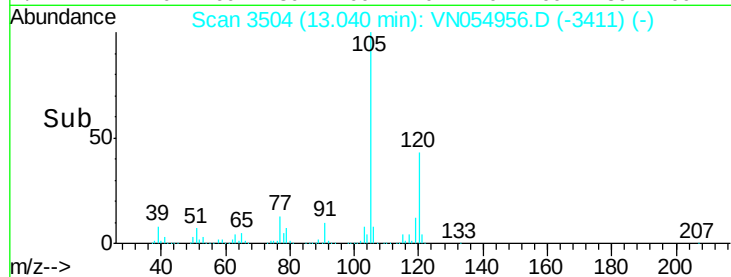
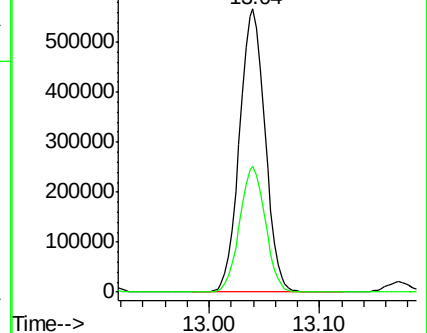
105 100

120 44.7 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.358 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054956.D

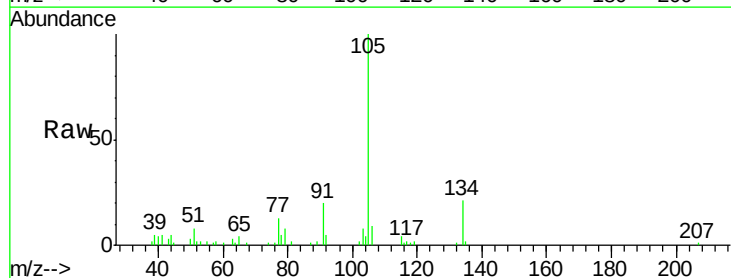
Acq: 4 Apr 2019 19:04

Tgt Ion:105 Resp: 32400

Ion Ratio Lower Upper

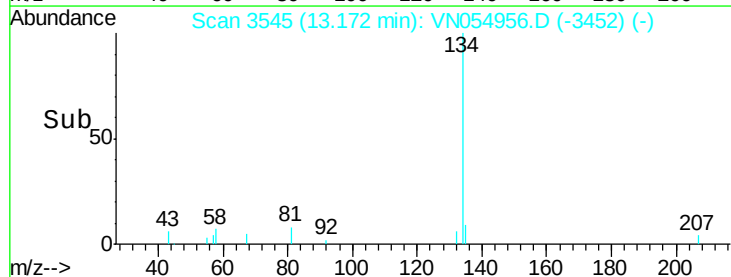
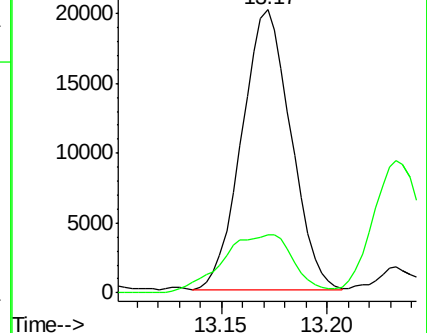
105 100

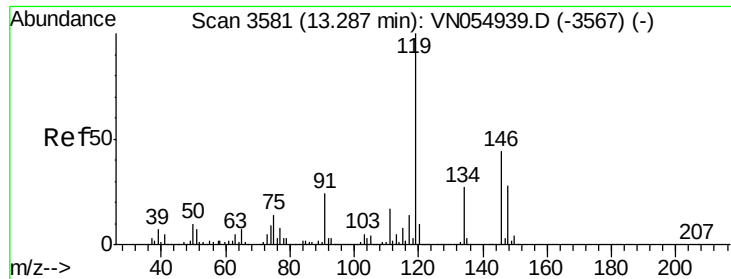
134 30.2 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

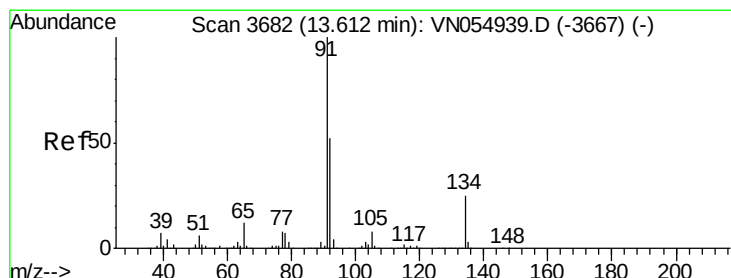
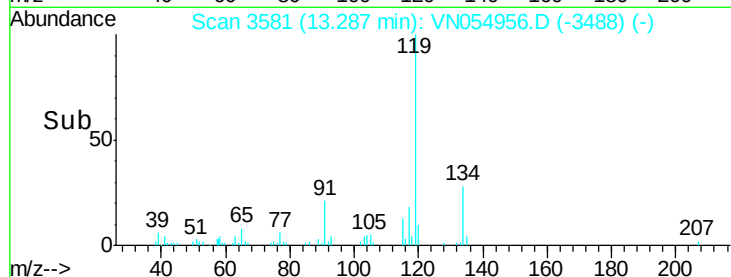
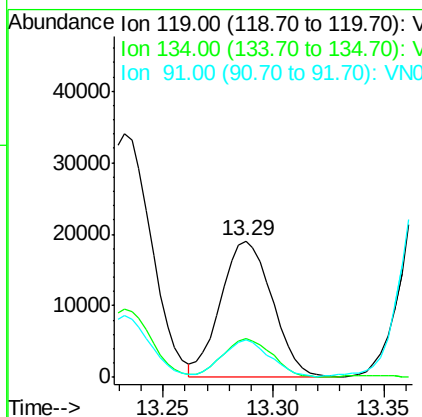
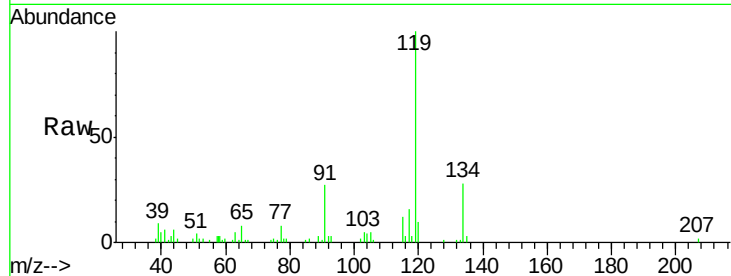




#86
 p-Isopropyltoluene
 Concen: 1.511 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054956.D
 Acq: 4 Apr 2019 19:04

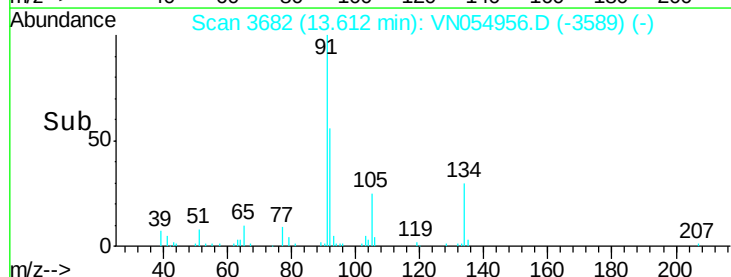
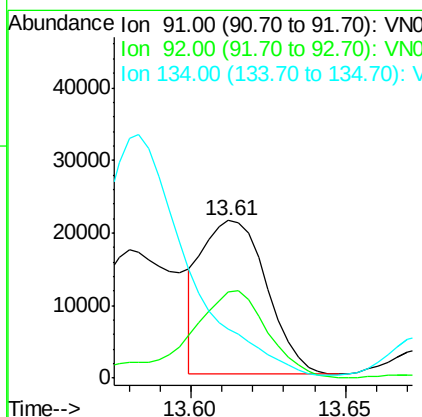
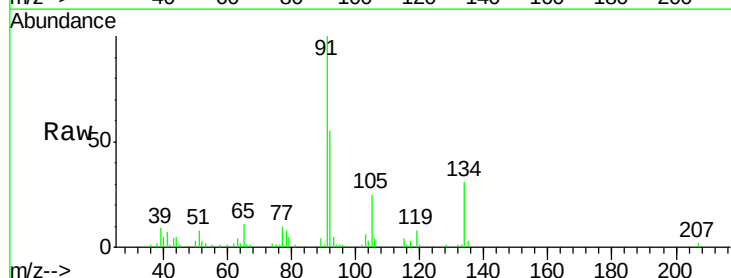
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-C

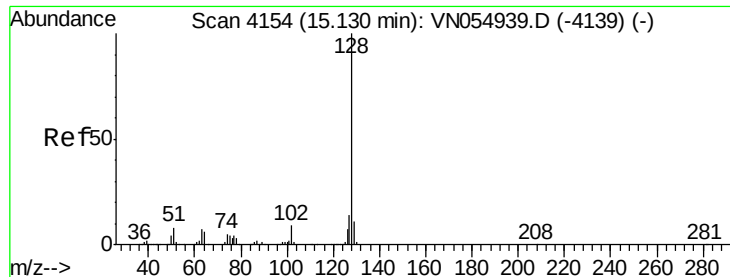
Tgt Ion: 119 Resp: 31079
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.5 40.5
 91 25.8 11.9 35.7



#89
 n-Butylbenzene
 Concen: 1.876 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN054956.D
 Acq: 4 Apr 2019 19:04

Tgt Ion: 91 Resp: 30834
 Ion Ratio Lower Upper
 91 100
 92 71.8 26.1 78.2
 134 0.0 12.6 37.8#





#95

Naphthalene

Concen: 9.336 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054956.D

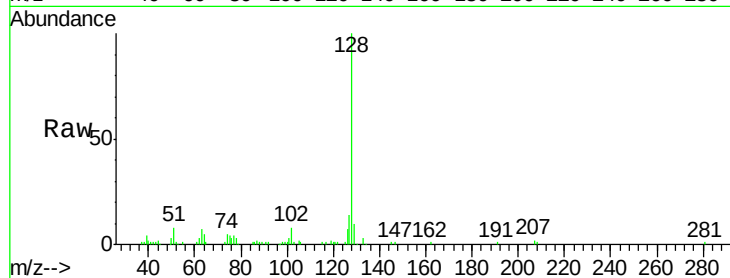
Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-C



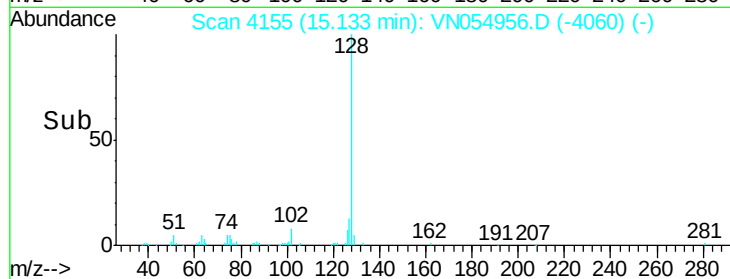
Tgt Ion:128 Resp: 81198

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

129 8.4 8.6 13.0#



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

