

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054957.D
 Acq On : 4 Apr 2019 19:30
 Operator : JC/SP
 Sample : K2193-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Apr 05 04:05:03 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	518290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	881438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	757993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	299447	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	344803	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
35) Dibromofluoromethane	7.59	113	274847	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	10.09	98	1056239	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.40	95	333624	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	

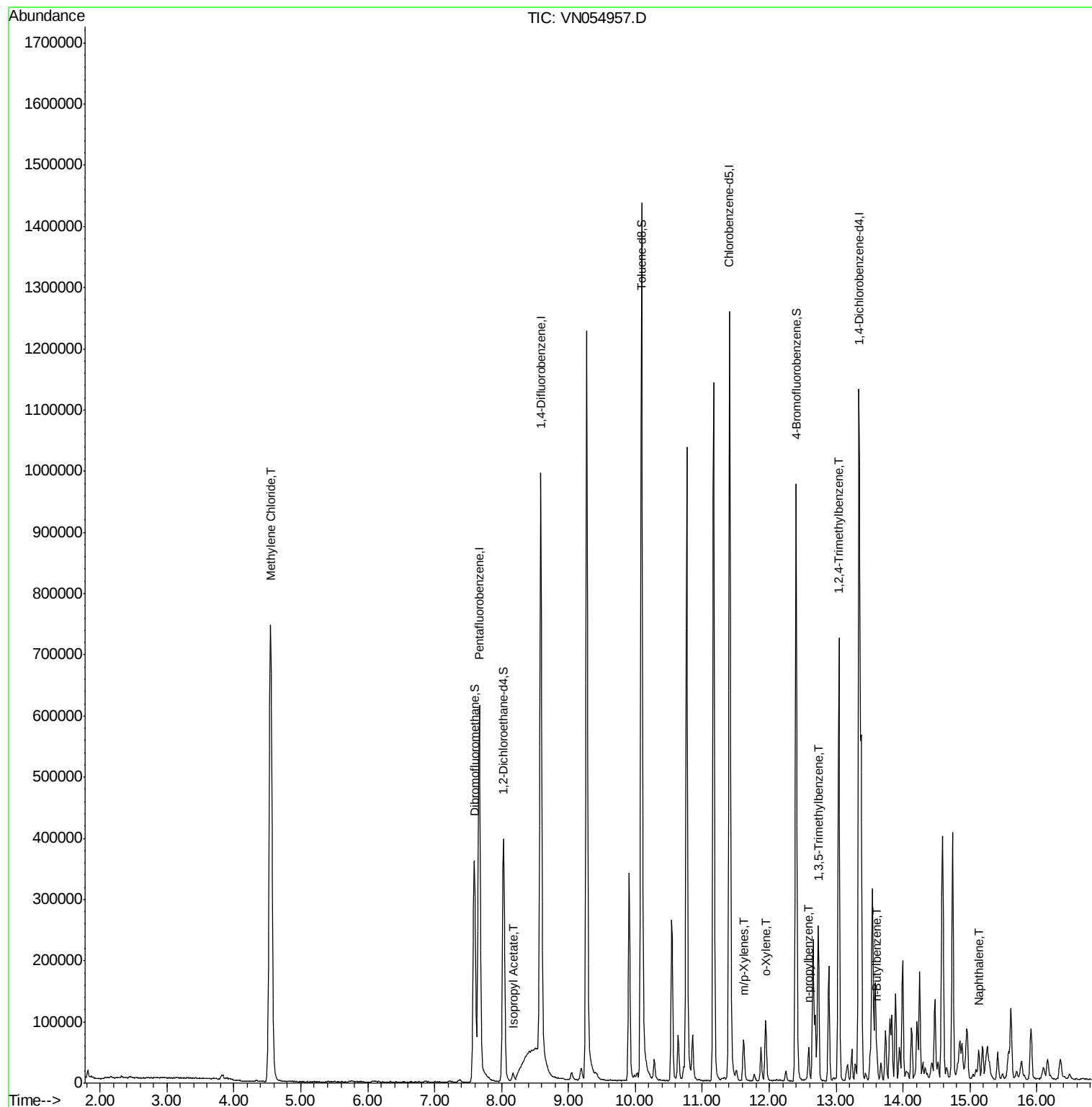
Target Compounds						Qvalue
20) Methylene Chloride	4.55	84	527753	83.212	ug/l	99
43) Isopropyl Acetate	8.17	43	16621	1.645	ug/l	99
68) m/p-Xylenes	11.62	106	21703	2.131	ug/l	93
69) o-Xylene	11.95	106	27499	2.768	ug/l	95
78) n-propylbenzene	12.59	91	41887	1.503	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	134121	6.456	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	408237	20.311	ug/l	100
89) n-Butylbenzene	13.61	91	17169	1.091	ug/l #	71
95) Naphthalene	15.13	128	36289	5.886	ug/l	96

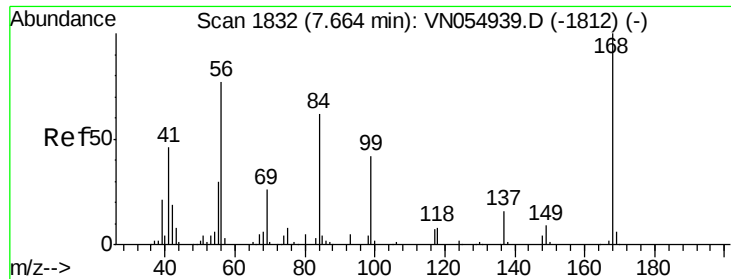
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

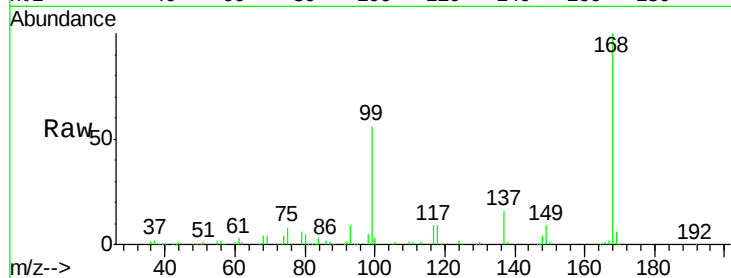
HR-06-040319-B

Tgt Ion:168 Resp: 518290

Ion Ratio Lower Upper

168 100

99 55.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

100000

50000

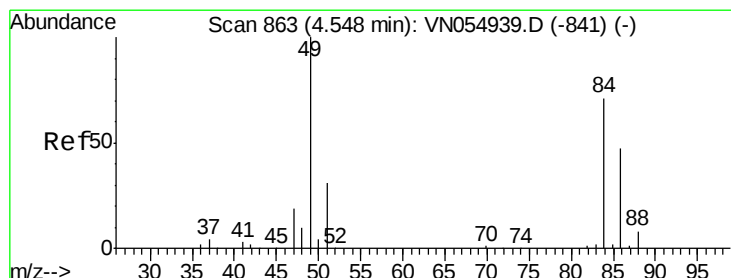
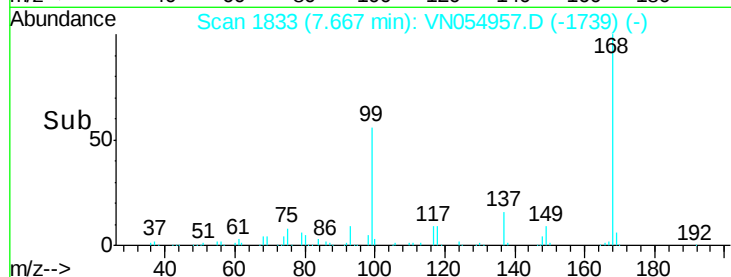
0

7.67

7.60

7.70

Time-->



#20

Methylene Chloride

Concen: 83.212 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Tgt Ion: 84 Resp: 527753

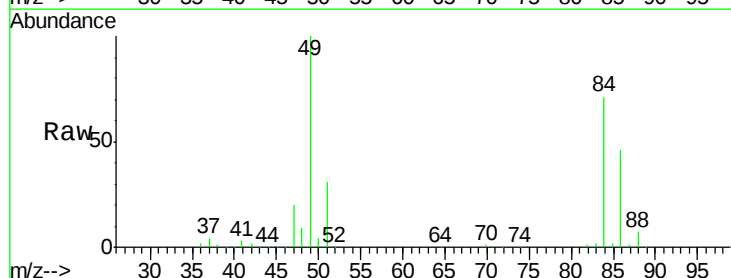
Ion Ratio Lower Upper

84 100

49 141.0 112.1 168.1

51 43.6 34.5 51.7

86 65.4 52.2 78.4



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

300000

200000

100000

0

4.55

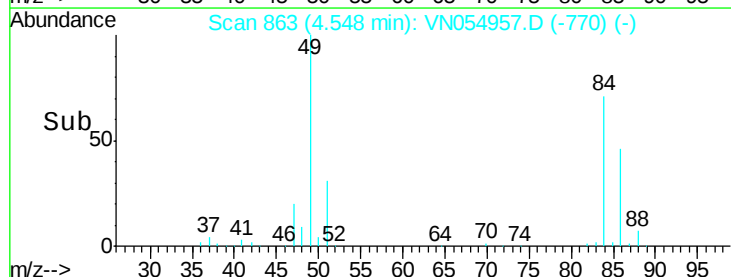
4.40

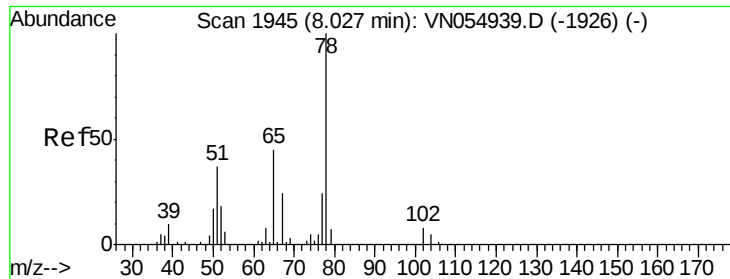
4.50

4.60

4.70

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.458 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

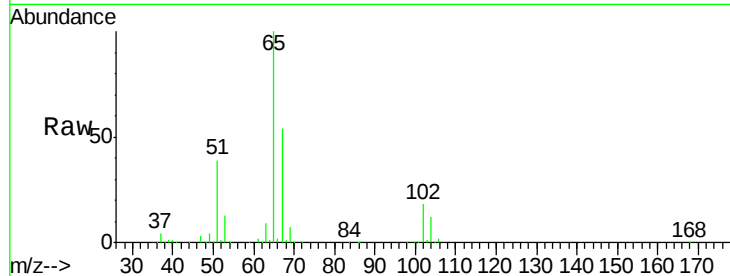
HR-06-040319-B

Tgt Ion: 65 Resp: 344803

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VN054939.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN054939.D (-1926) (-)

8.03

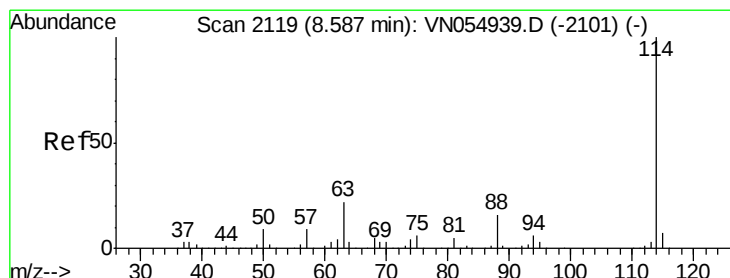
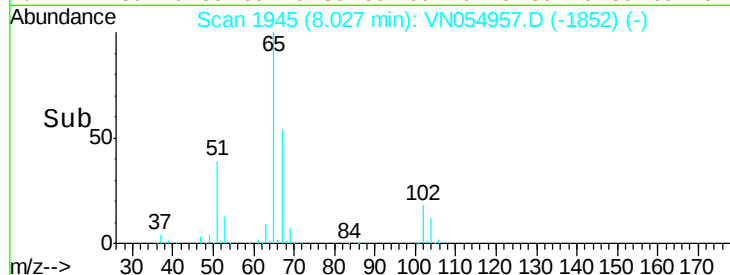
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

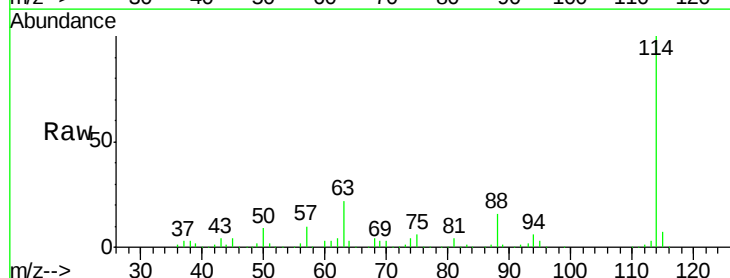
Tgt Ion: 114 Resp: 881438

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.6

88 15.9 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VN054939.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN054939.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN054939.D (-2101) (-)

8.59

500000

400000

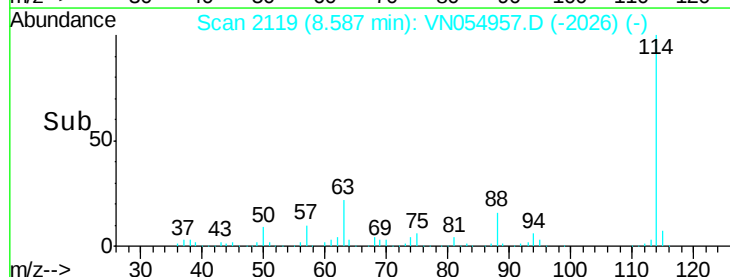
300000

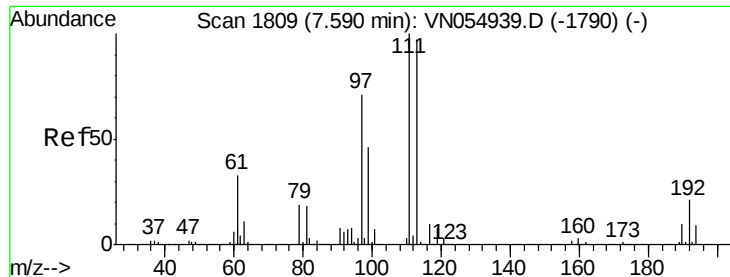
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.901 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-B

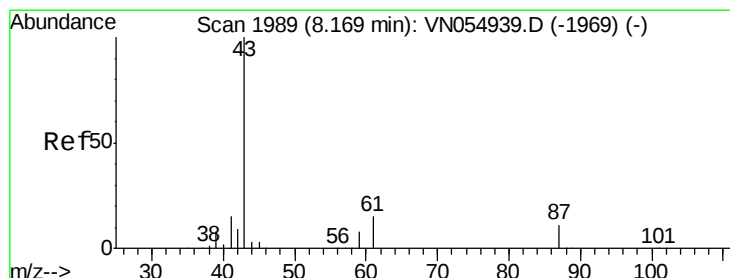
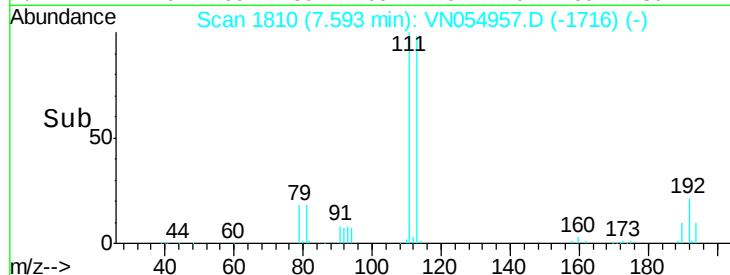
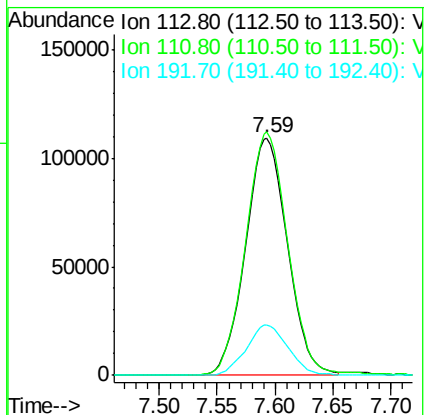
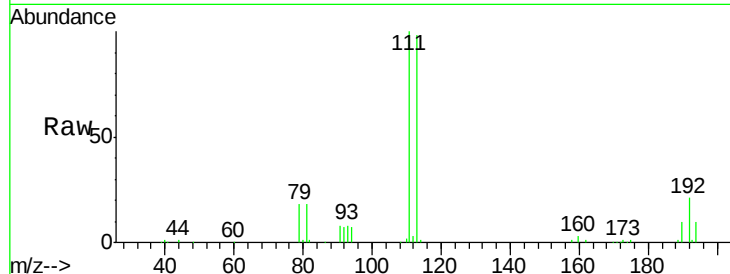
Tgt Ion:113 Resp: 274847

Ion Ratio Lower Upper

113 100

111 102.6 81.0 121.4

192 21.3 16.5 24.7



#43

Isopropyl Acetate

Concen: 1.645 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

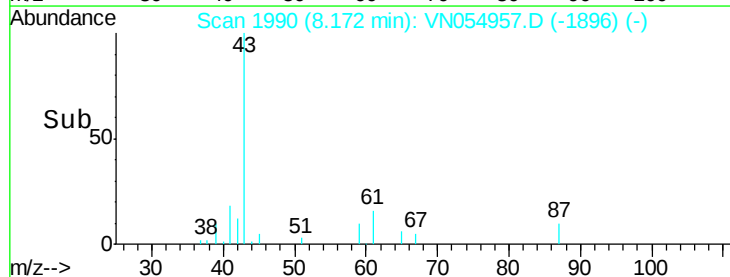
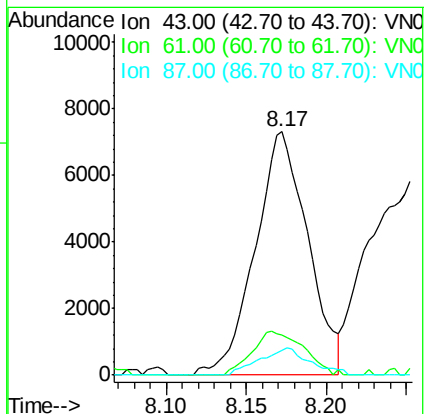
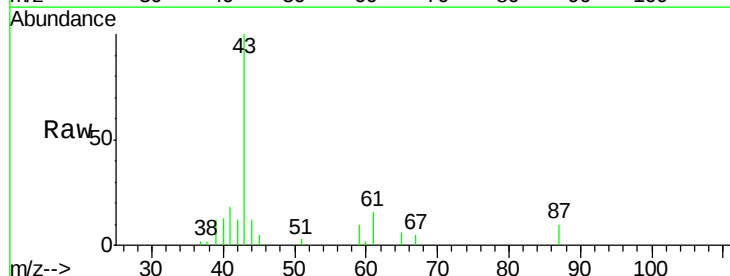
Tgt Ion: 43 Resp: 16621

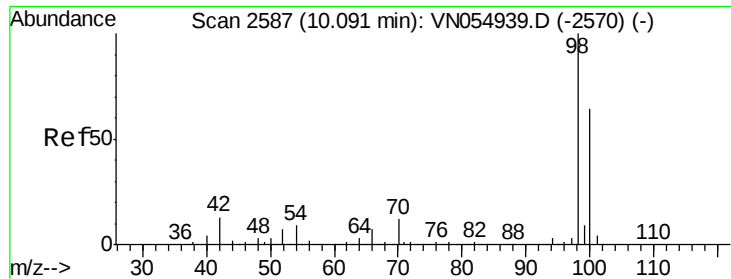
Ion Ratio Lower Upper

43 100

61 17.5 14.4 21.6

87 10.7 9.0 13.4





#50

Toluene-d8

Concen: 48.515 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

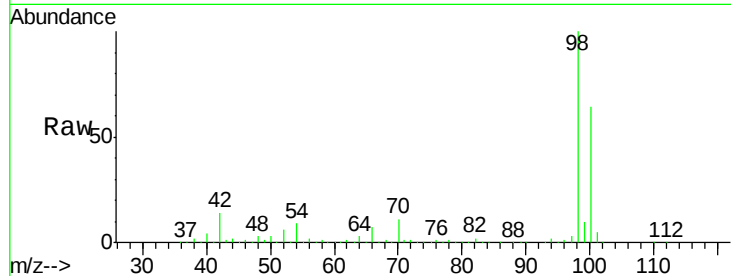
HR-06-040319-B

Tgt Ion: 98 Resp: 1056239

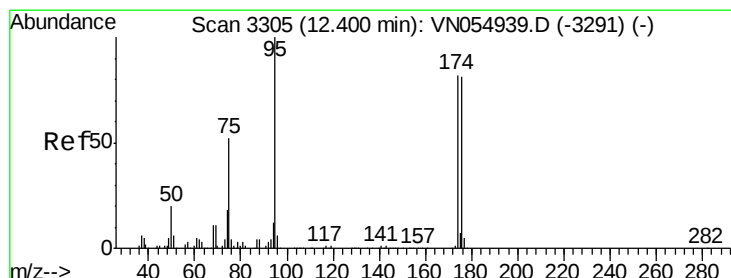
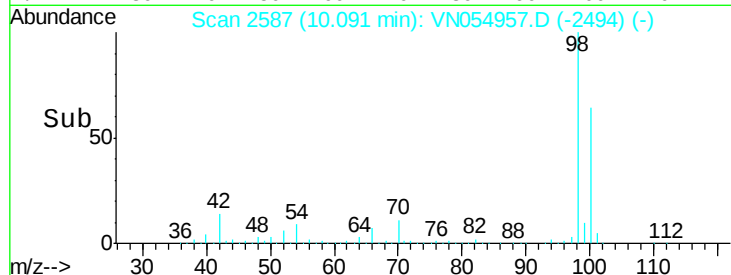
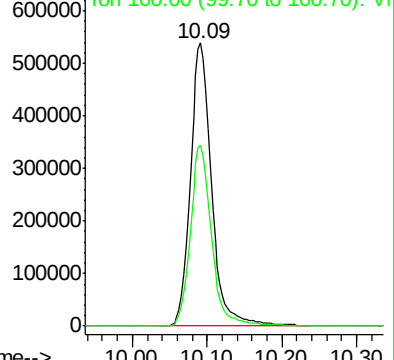
Ion Ratio Lower Upper

98 100

100 63.9 51.5 77.3



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



#62

4-Bromofluorobenzene

Concen: 45.918 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

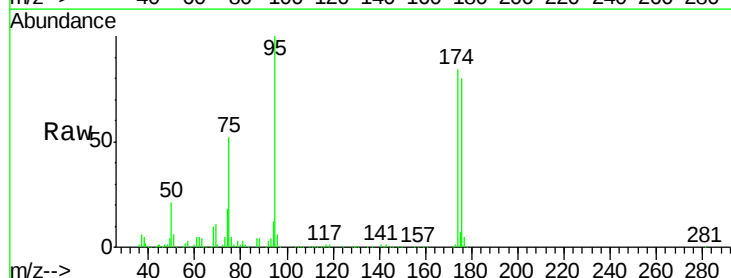
Tgt Ion: 95 Resp: 333624

Ion Ratio Lower Upper

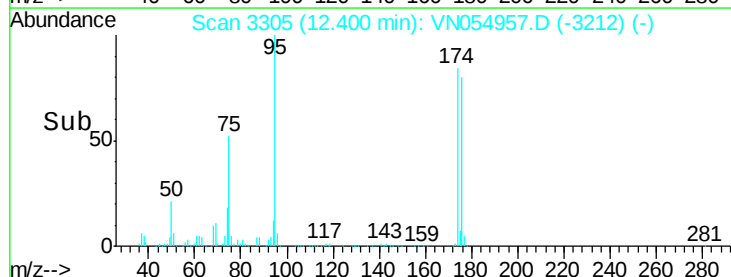
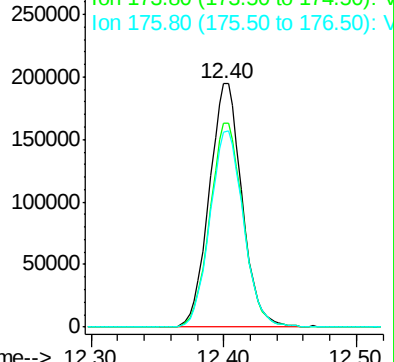
95 100

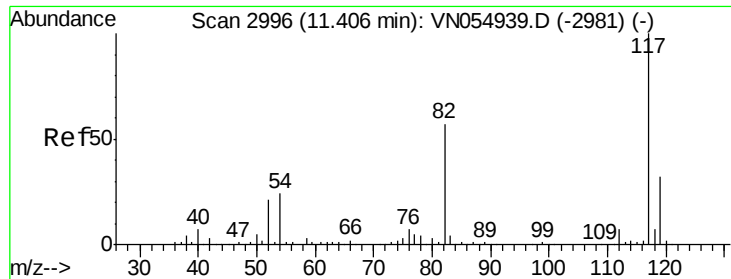
174 85.3 0.0 166.2

176 82.5 0.0 163.2



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

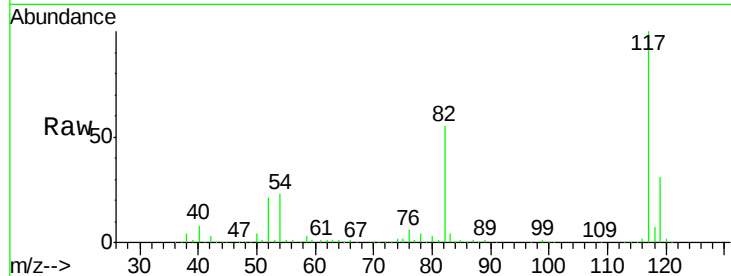




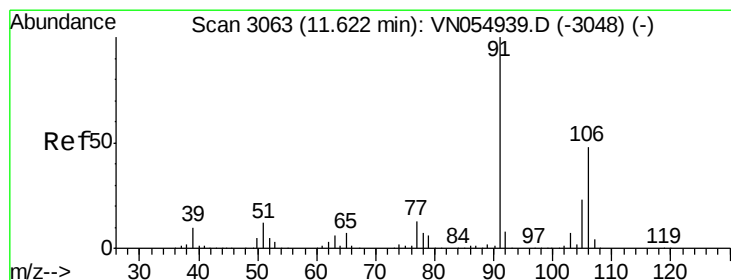
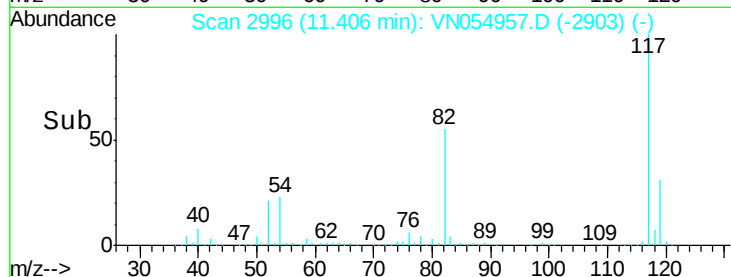
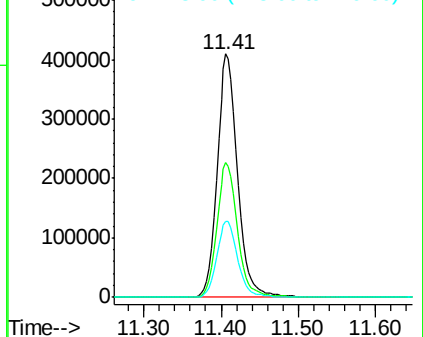
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

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

Tgt Ion:117 Resp: 757993
Ion Ratio Lower Upper
117 100
82 55.2 45.3 67.9
119 31.3 25.8 38.6

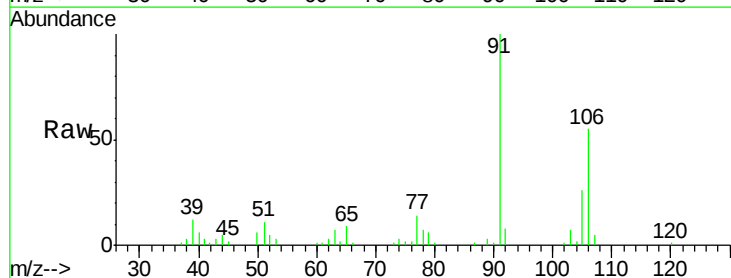


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

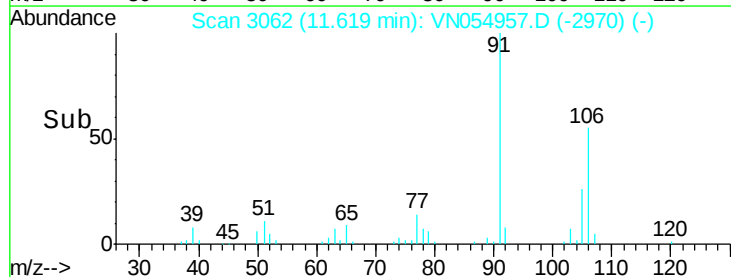
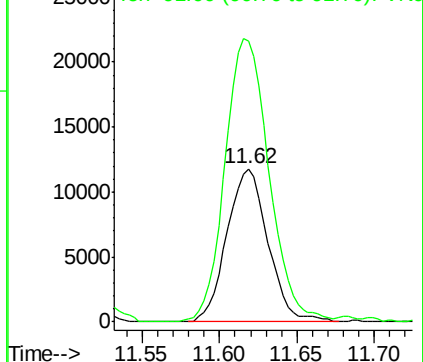


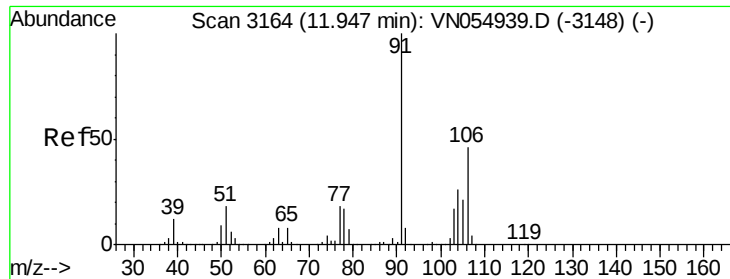
#68
m/p-Xylenes
Concen: 2.131 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

Tgt Ion:106 Resp: 21703
Ion Ratio Lower Upper
106 100
91 198.3 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

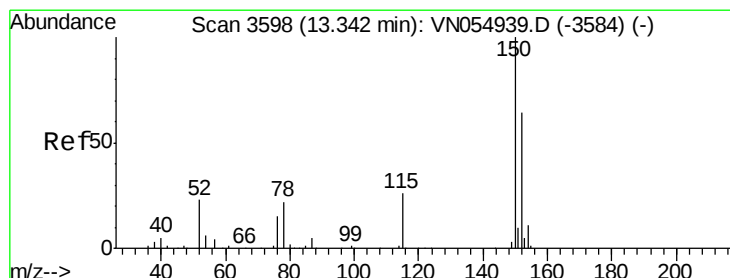
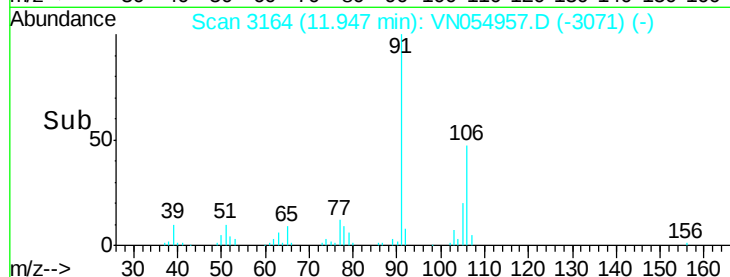
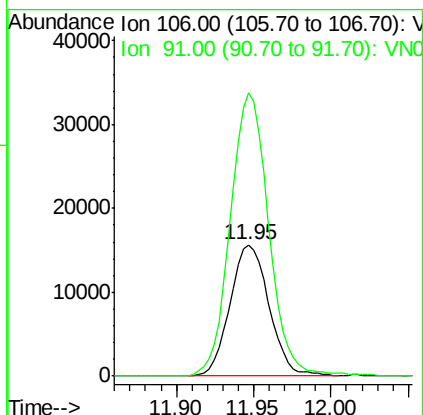
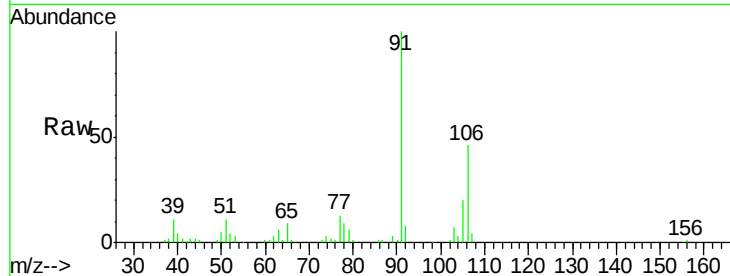




#69
o-Xylene
Concen: 2.768 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

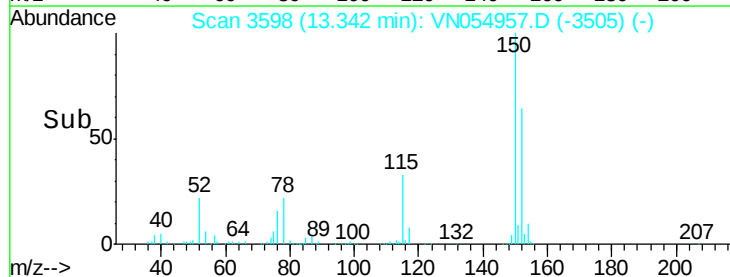
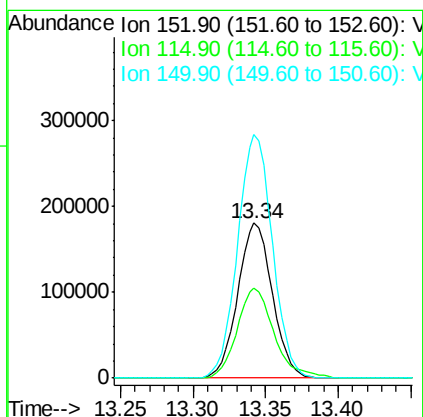
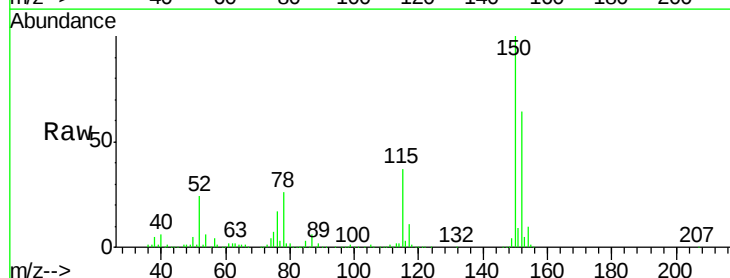
Instrument :
MSVOA_N
ClientSampleId :
HR-06-040319-B

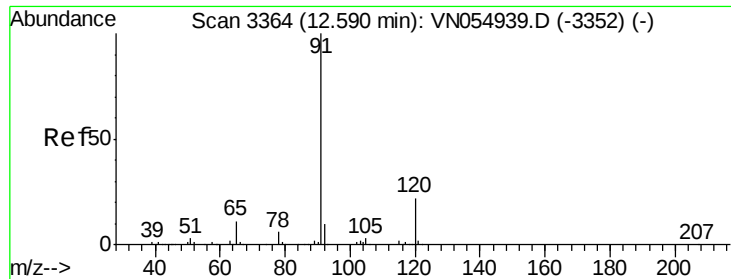
Tgt Ion:106 Resp: 27499
Ion Ratio Lower Upper
106 100
91 212.1 109.9 329.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

Tgt Ion:152 Resp: 299447
Ion Ratio Lower Upper
152 100
115 61.9 28.9 86.8
150 158.3 0.0 345.4





#78

n-propylbenzene

Concen: 1.503 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

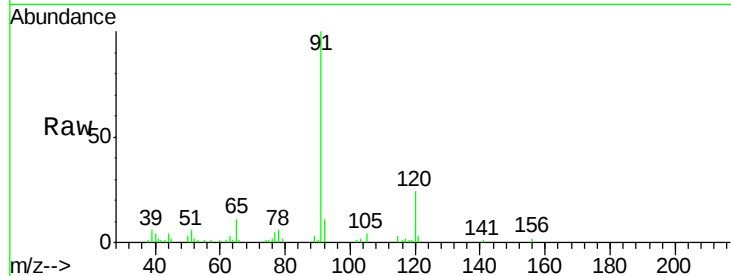
HR-06-040319-B

Tgt Ion: 91 Resp: 41887

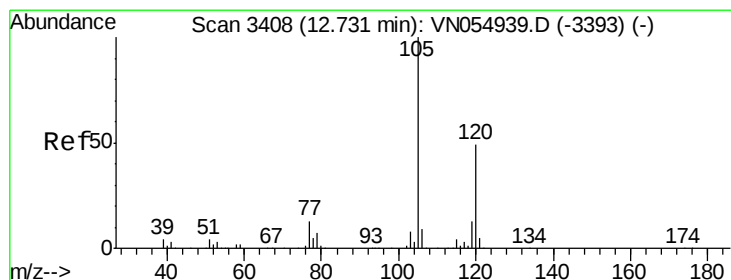
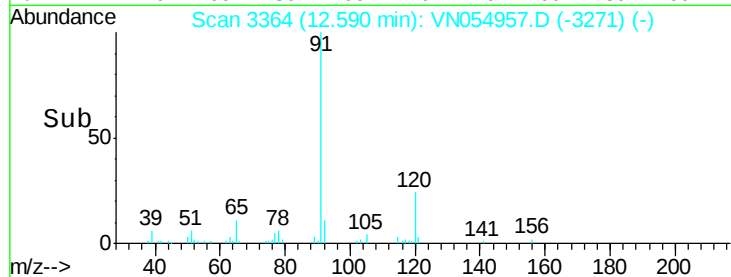
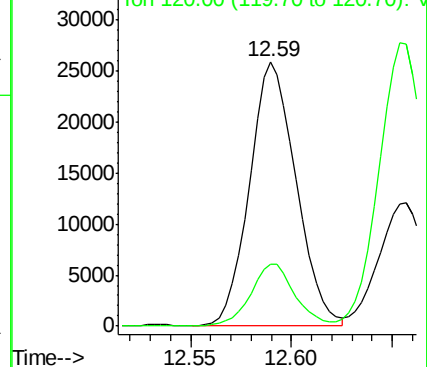
Ion Ratio Lower Upper

91 100

120 22.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN054939.D (-3352) (-)



#80

1,3,5-Trimethylbenzene

Concen: 6.456 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054957.D

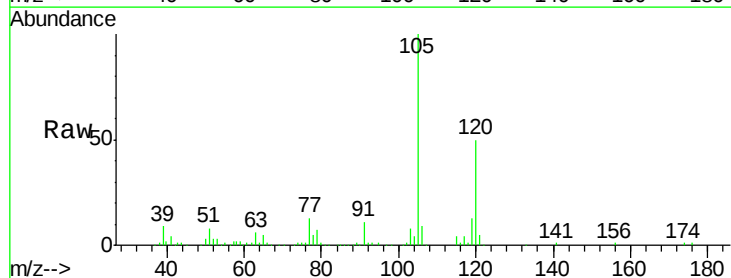
Acq: 4 Apr 2019 19:30

Tgt Ion: 105 Resp: 134121

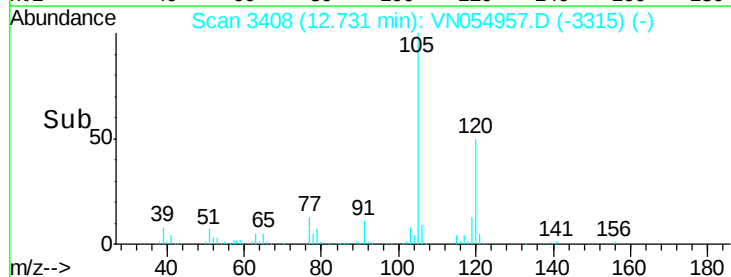
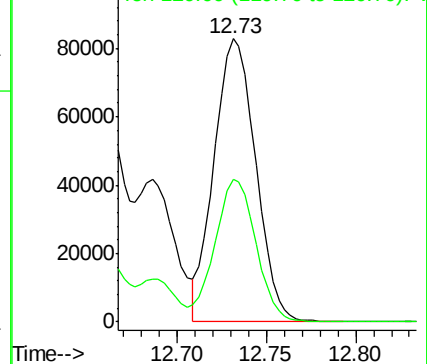
Ion Ratio Lower Upper

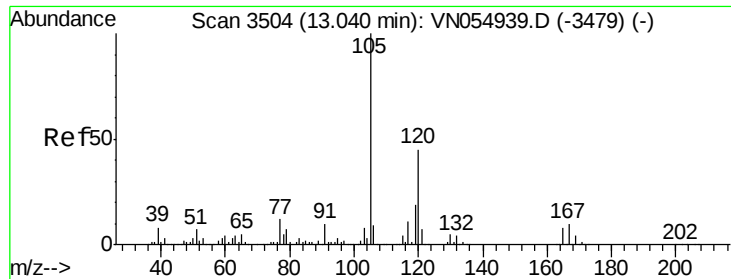
105 100

120 49.8 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VN054939.D (-3393) (-)

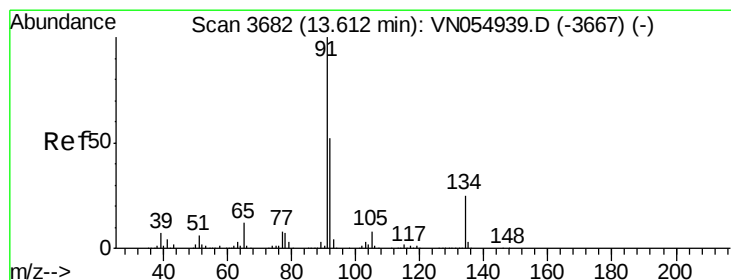
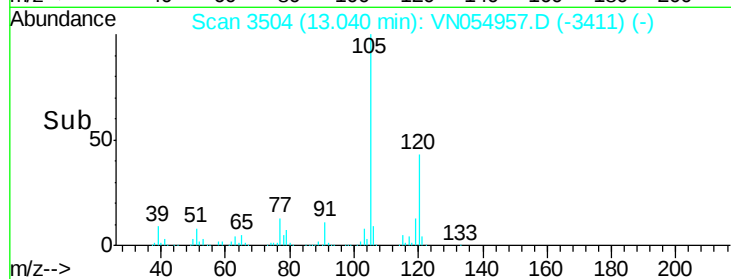
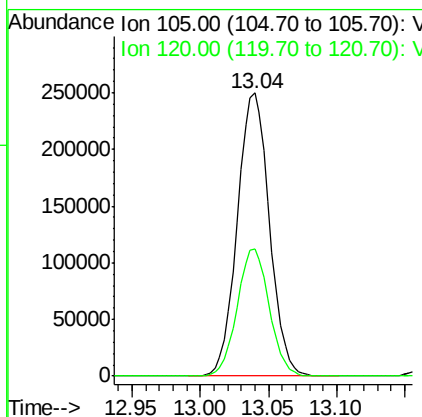
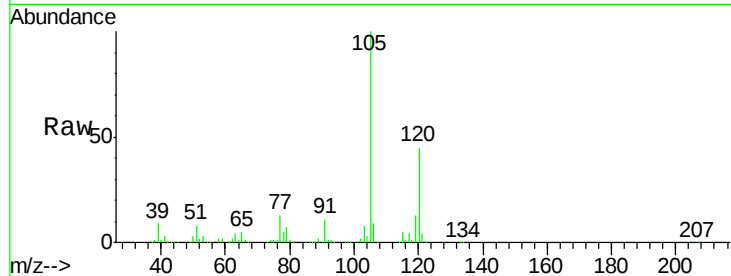




#84
 1,2,4-Trimethylbenzene
 Concen: 20.311 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054957.D
 Acq: 4 Apr 2019 19:30

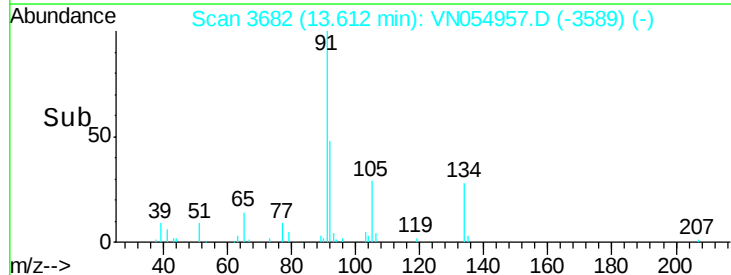
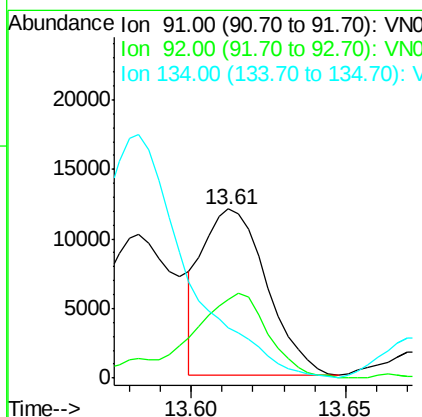
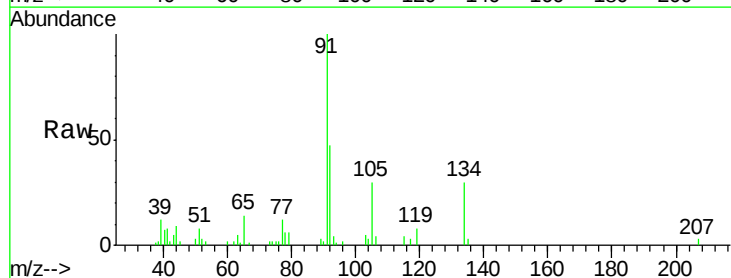
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-B

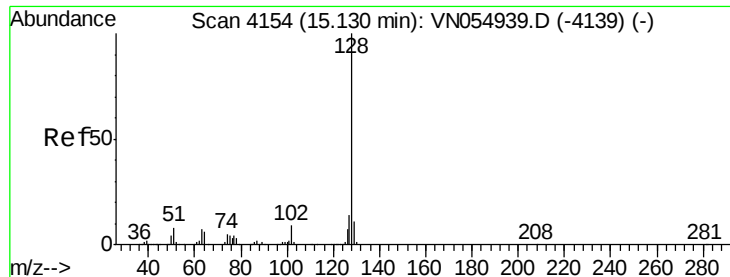
Tgt Ion: 105 Resp: 408237
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.4 67.3



#89
 n-Butylbenzene
 Concen: 1.091 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN054957.D
 Acq: 4 Apr 2019 19:30

Tgt Ion: 91 Resp: 17169
 Ion Ratio Lower Upper
 91 100
 92 65.8 26.1 78.2
 134 0.0 12.6 37.8#

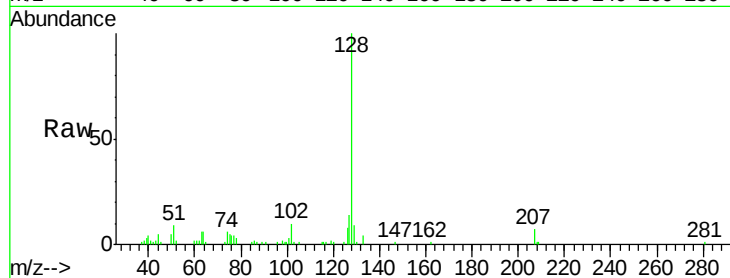




#95
Naphthalene
Concen: 5.886 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

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

Tgt Ion:128 Resp: 36289
Ion Ratio Lower Upper
128 100
127 14.3 10.6 16.0
129 9.0 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

