

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053050.D
 Acq On : 20 Dec 2018 12:21
 Operator : MD\SY
 Sample : J6452-01MEDL 10X
 Misc : 8.01g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MIHPT-20(17-20)MEDL

Quant Time: Dec 21 00:42:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1303507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1980785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1823522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	816374	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	624343	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
35) Dibromofluoromethane	7.59	113	507542	56.09	ug/l	0.00
Spiked Amount			Recovery	=	112.18%	
50) Toluene-d8	10.09	98	2451388	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	868026	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	

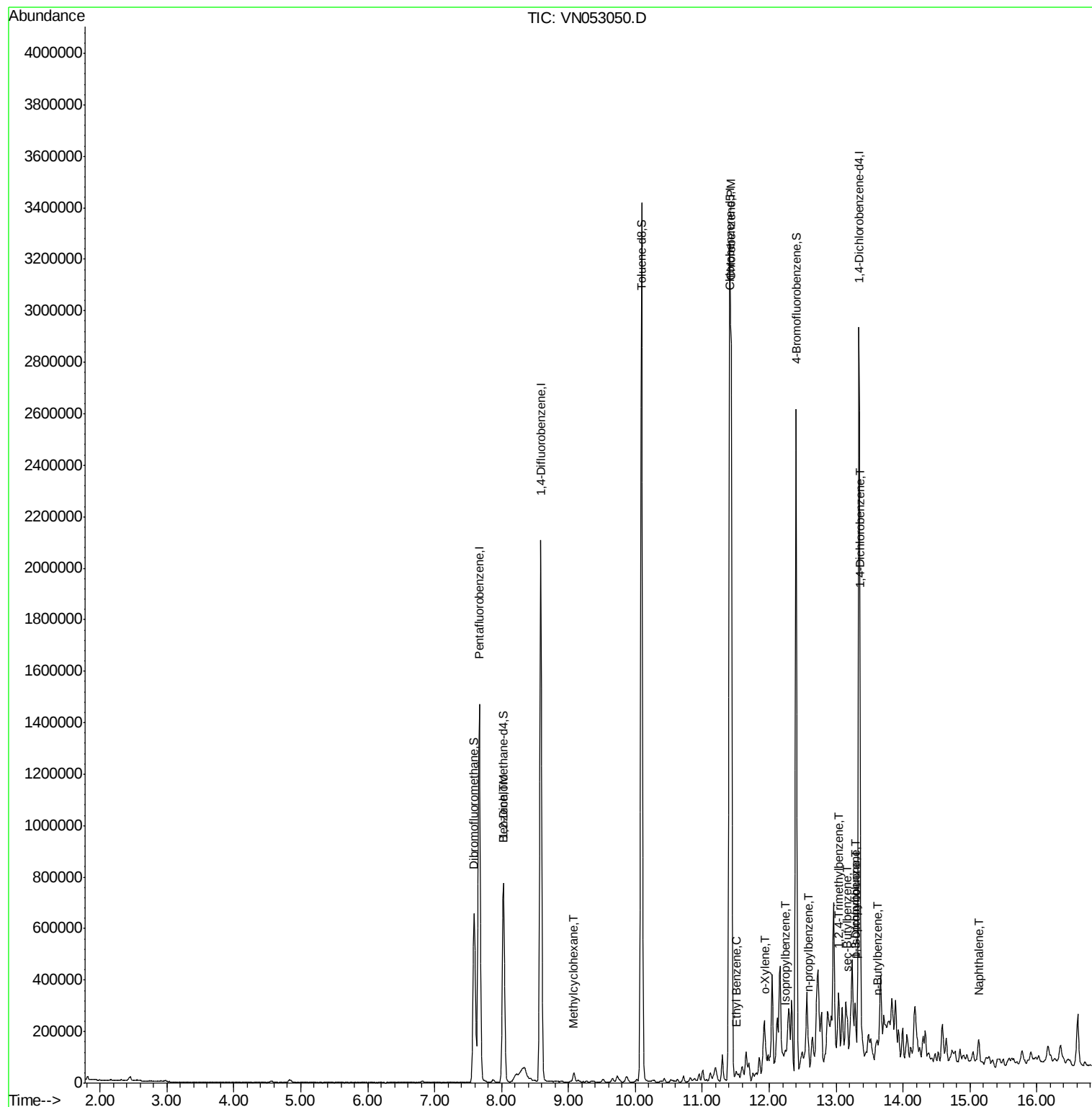
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.08	83	16291	0.705	ug/l	98
40) Benzene	8.04	78	48778	0.863	ug/l	100
65) Chlorobenzene	11.43	112	1502467	37.169	ug/l	99
67) Ethyl Benzene	11.51	91	23176	0.333	ug/l	98
69) o-Xylene	11.95	106	10229	0.403	ug/l	91
73) Isopropylbenzene	12.25	105	15965	0.250	ug/l	99
78) n-propylbenzene	12.59	91	54207	0.745	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	97083	1.855	ug/l	99
85) sec-Butylbenzene	13.17	105	33362	0.536	ug/l #	68
86) p-Isopropyltoluene	13.29	119	16219	0.301	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	24418	0.831	ug/l #	72
88) 1,4-Dichlorobenzene	13.36	146	66585	2.237	ug/l #	85
89) n-Butylbenzene	13.61	91	31512	0.681	ug/l #	87
95) Naphthalene	15.13	128	57501	2.897	ug/l #	96

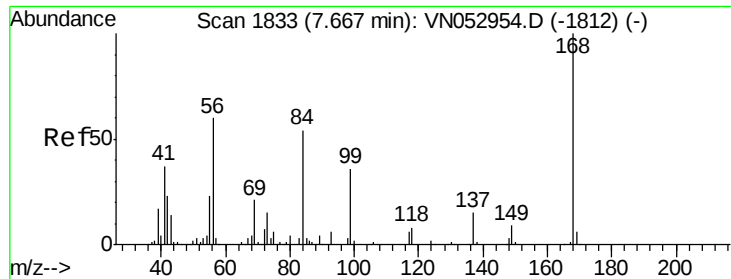
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MIHPT-20(17-20)MEDL

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053050.D

Acq: 20 Dec 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

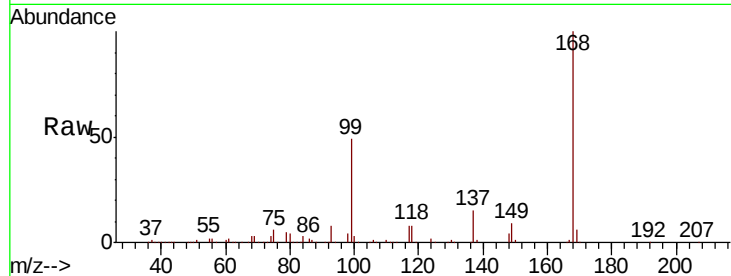
MIHPT-20(17-20)MEDL

Tot Ion:168 Resp: 1303507

Ion Ratio Lower Upper

168 100

99 49.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

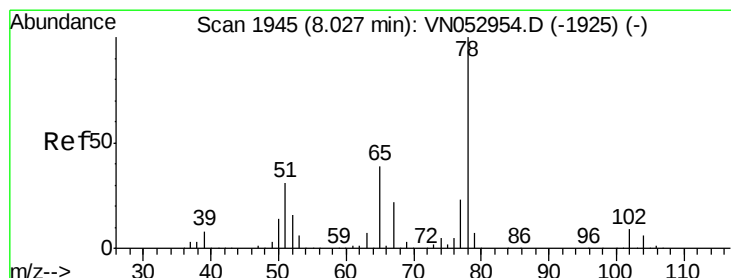
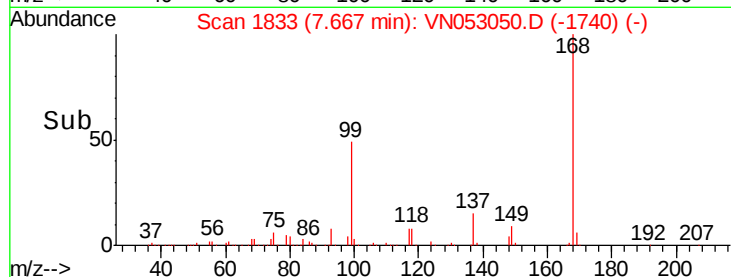
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053050.D

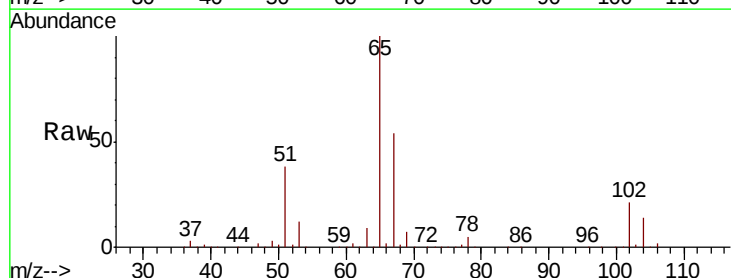
Acq: 20 Dec 2018 12:21

Tgt Ion: 65 Resp: 624343

Ion Ratio Lower Upper

65 100

67 55.4 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

300000

250000

200000

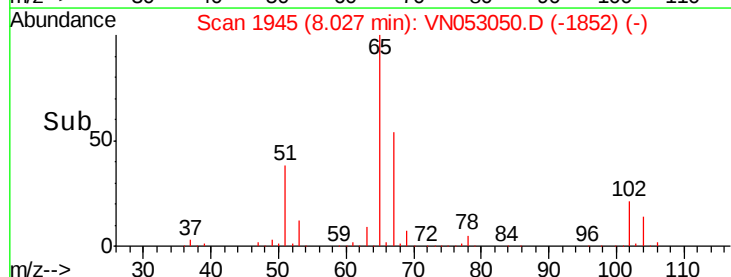
150000

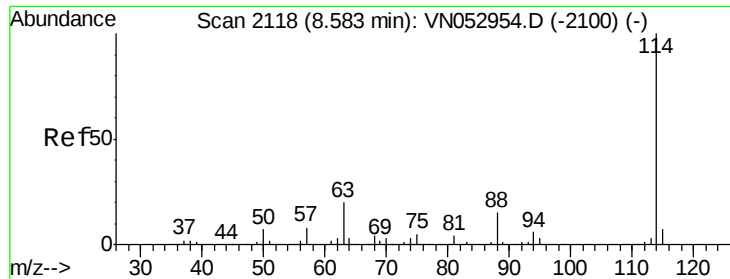
100000

50000

0

Time-->

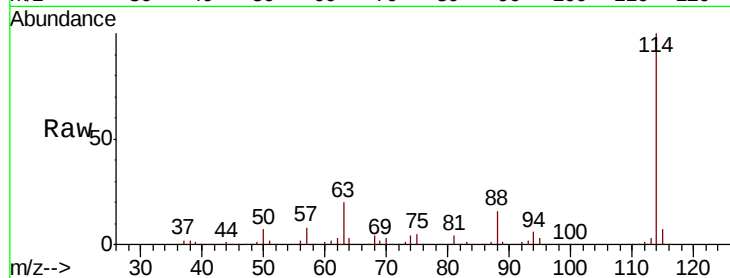




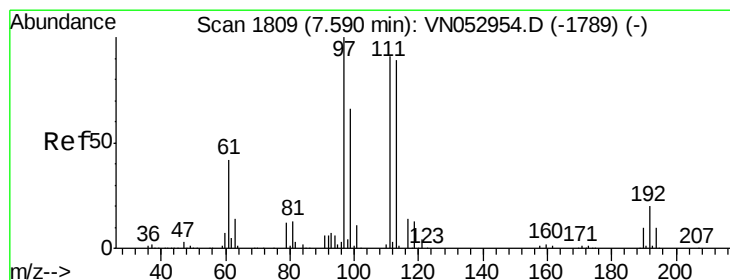
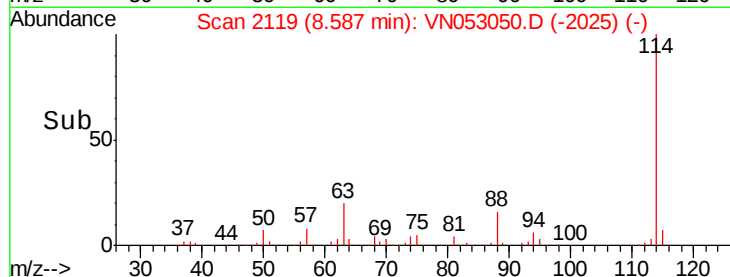
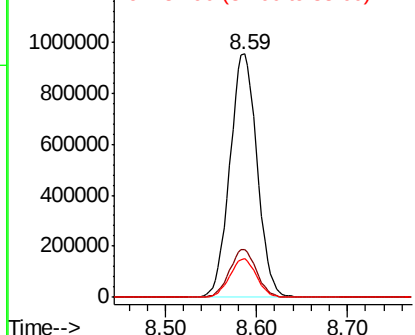
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053050.D
 Acq: 20 Dec 2018 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 MIHPT-20(17-20)MEDL

Tot Ion:114 Resp: 1980785
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.8 0.0 31.0

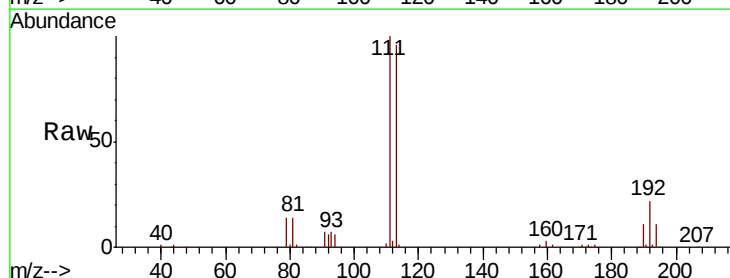


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

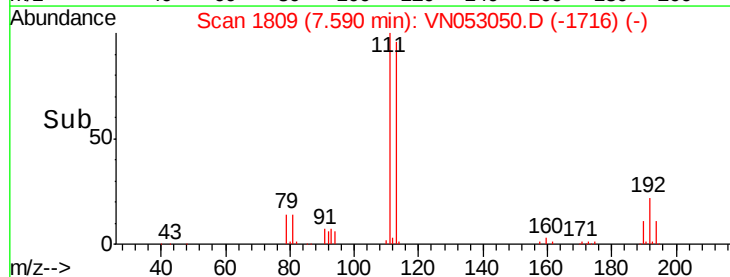
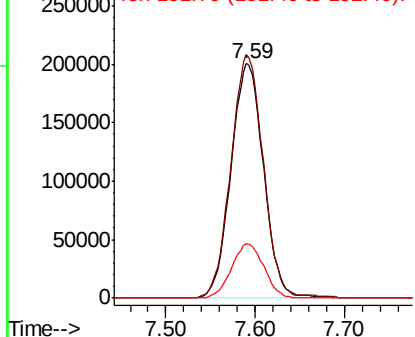


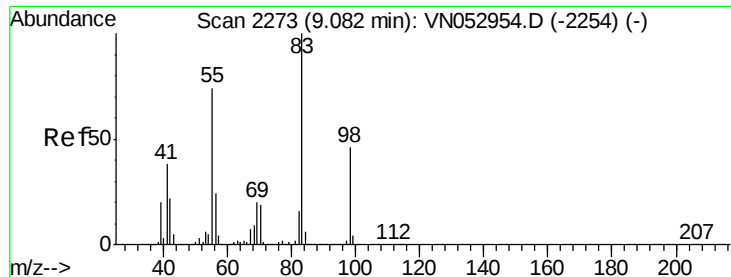
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053050.D
 Acq: 20 Dec 2018 12:21

Tgt Ion:113 Resp: 507542
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.0 124.4
 192 23.2 17.5 26.3



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

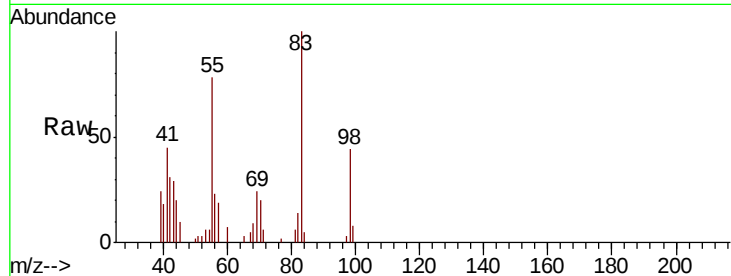




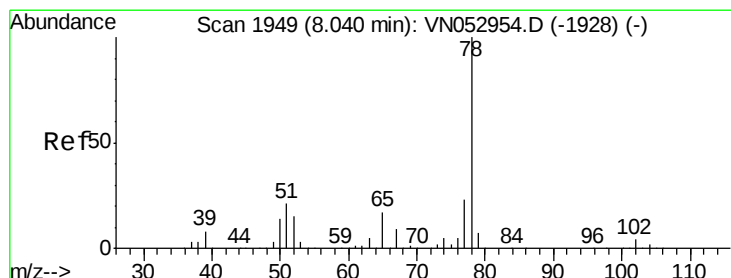
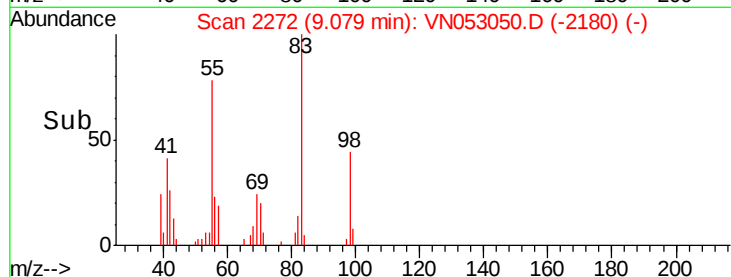
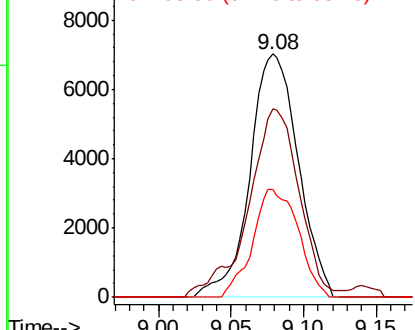
#39
Methvlcvclohexane
Concen: 0.705 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053050.D
Acq: 20 Dec 2018 12:21

Instrument :
MSVOA_N
ClientSampleId :
MIHPT-20(17-20)MEDL

Tot Ion: 83 Resp: 16291
Ion Ratio Lower Upper
83 100
55 75.2 61.3 91.9
98 44.4 37.0 55.4

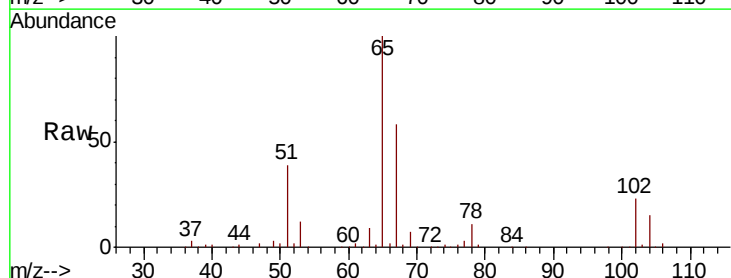


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

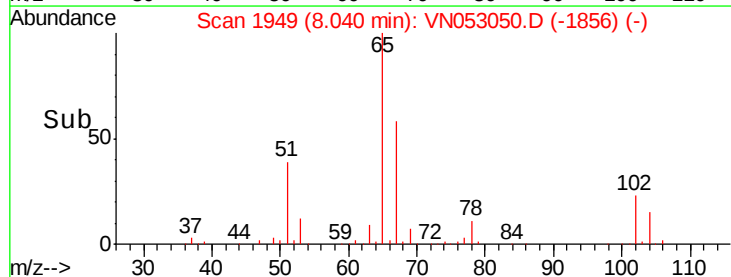
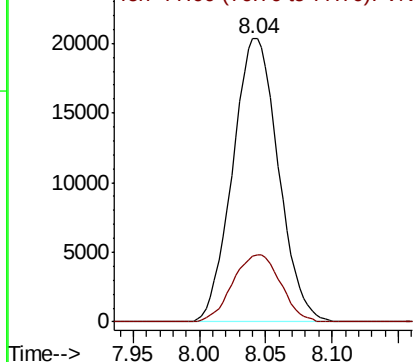


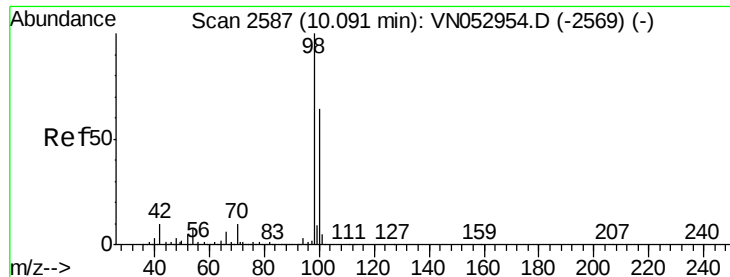
#40
Benzene
Concen: 0.863 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN053050.D
Acq: 20 Dec 2018 12:21

Tgt Ion: 78 Resp: 48778
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053050.D

Acq: 20 Dec 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

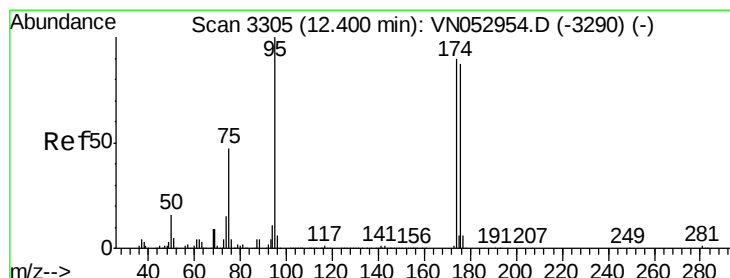
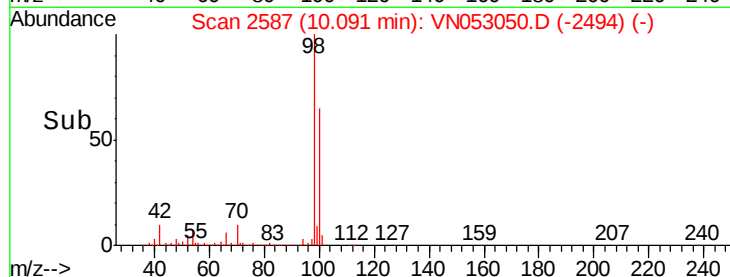
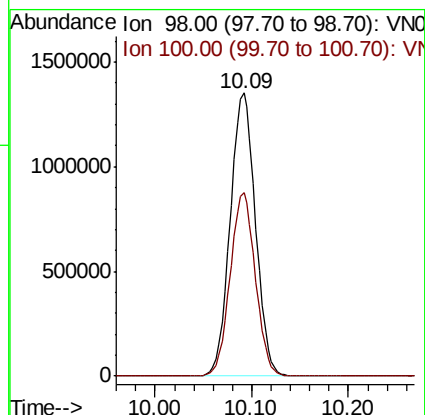
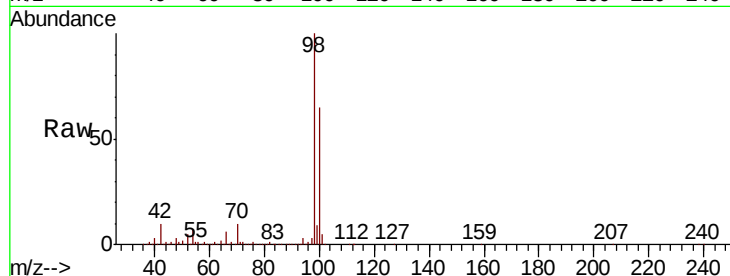
MIHPT-20(17-20)MEDL

Tot Ion: 98 Resp: 2451388

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053050.D

Acq: 20 Dec 2018 12:21

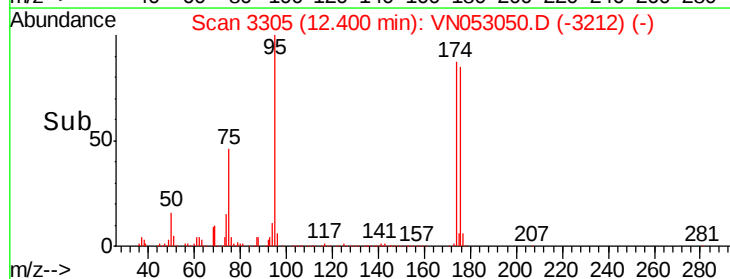
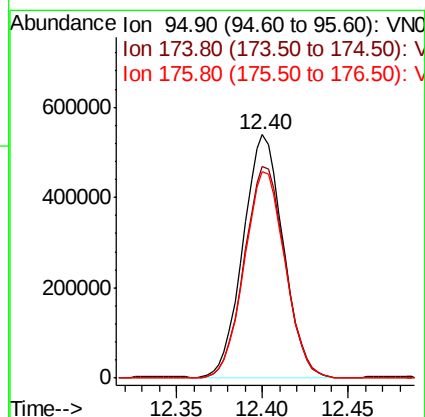
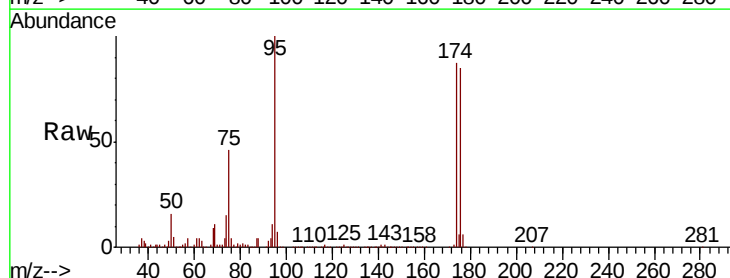
Tgt Ion: 95 Resp: 868026

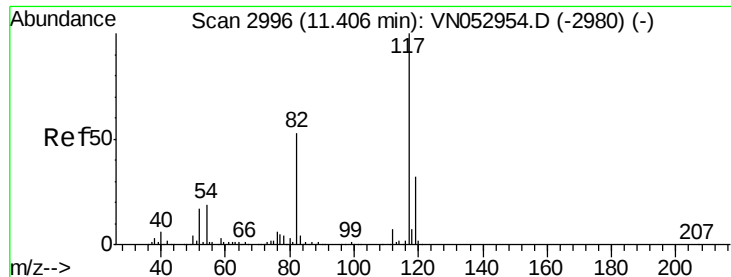
Ion Ratio Lower Upper

95 100

174 89.1 0.0 178.8

176 86.7 0.0 173.8

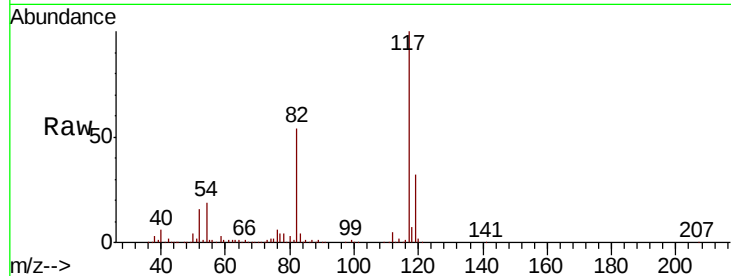




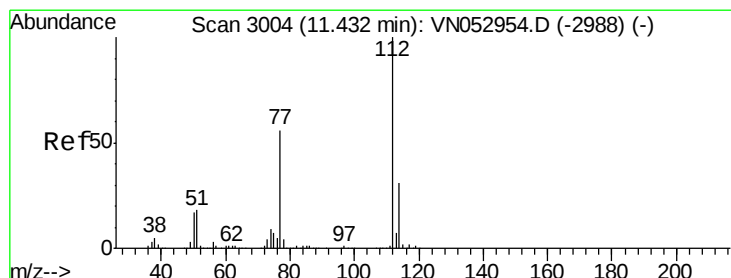
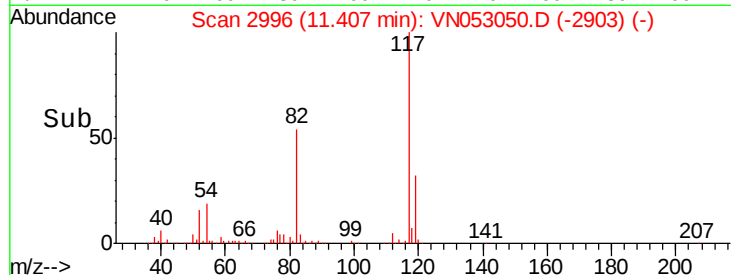
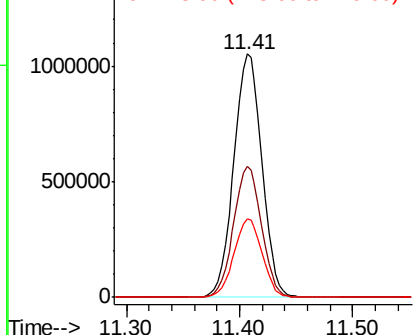
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053050.D
Acq: 20 Dec 2018 12:21

Instrument :
MSVOA_N
ClientSampleId :
MIHPT-20(17-20)MEDL

Tot Ion:117 Resp: 1823522
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 32.1 25.5 38.3

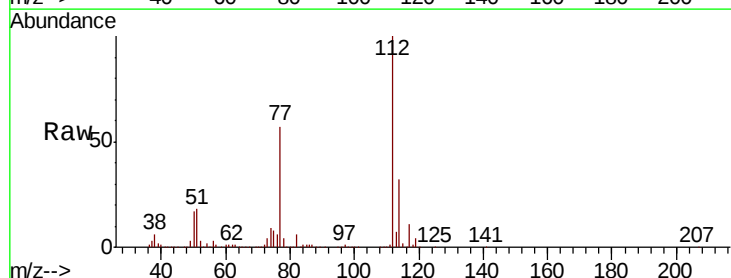


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

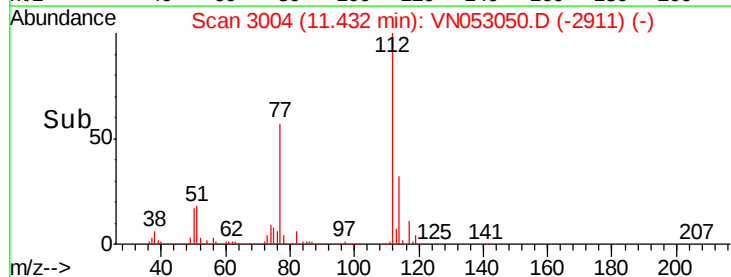
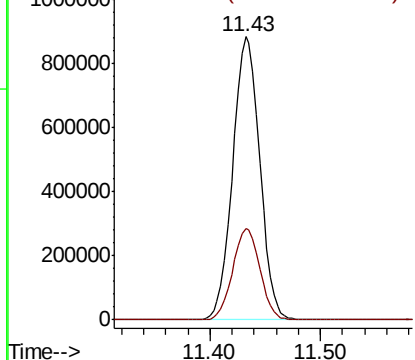


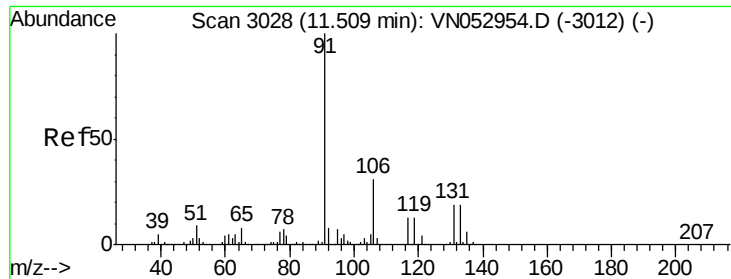
#65
Chlorobenzene
Concen: 37.169 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053050.D
Acq: 20 Dec 2018 12:21

Tgt Ion:112 Resp: 1502467
Ion Ratio Lower Upper
112 100
114 32.4 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

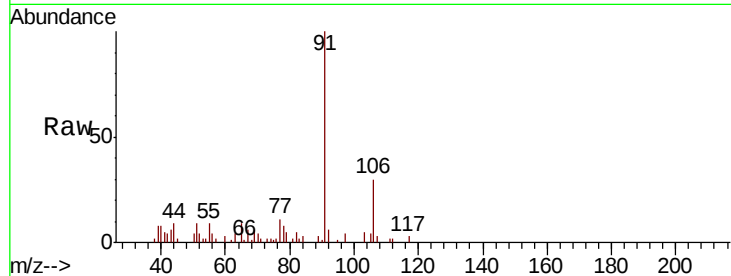




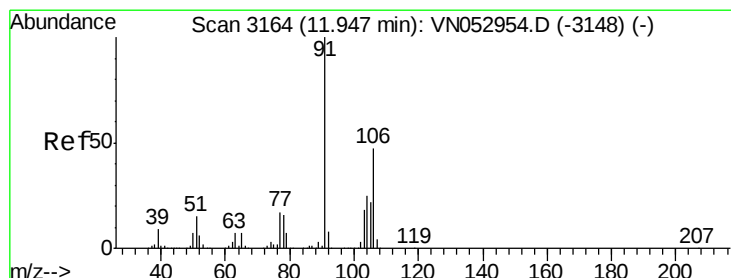
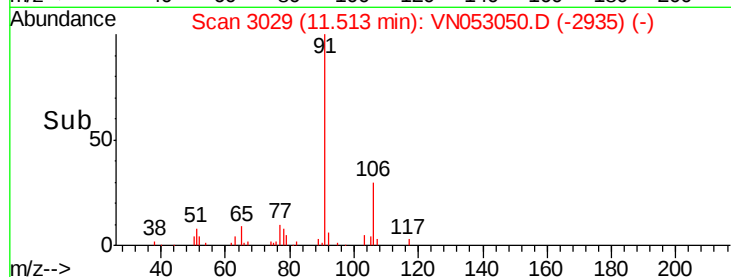
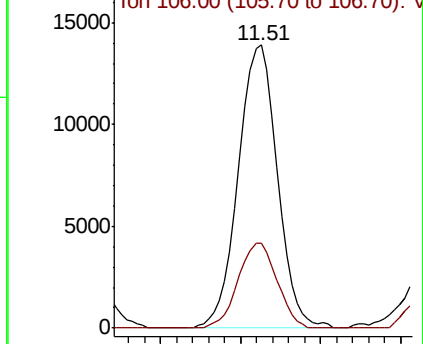
#67
Ethyl Benzene
Concen: 0.333 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053050.D
Acq: 20 Dec 2018 12:21

Instrument :
MSVOA_N
ClientSampleId :
MIHPT-20(17-20)MEDL

Tot Ion: 91 Resp: 23176
Ion Ratio Lower Upper
91 100
106 30.1 24.9 37.3

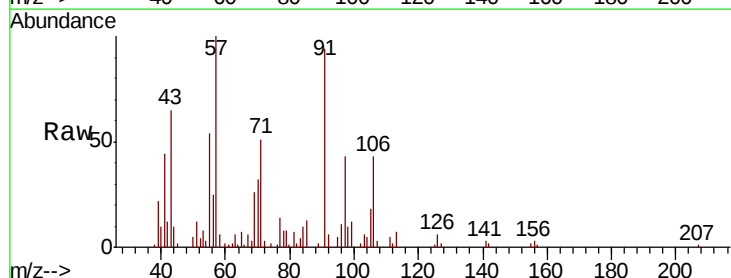


Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3012) (-)
Ion 106.00 (105.70 to 106.70): VN052954.D (-3012) (-)

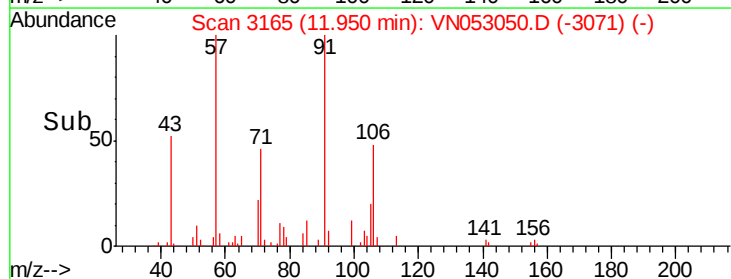
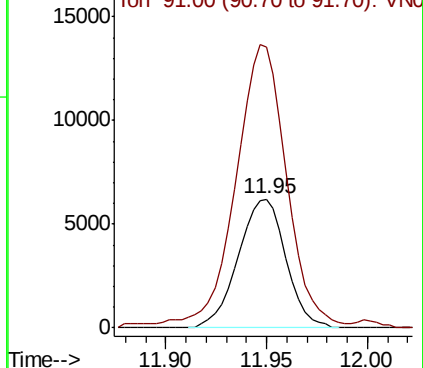


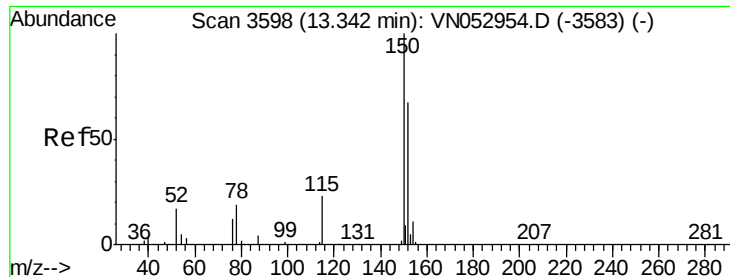
#69
o-Xylene
Concen: 0.403 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053050.D
Acq: 20 Dec 2018 12:21

Tgt Ion: 106 Resp: 10229
Ion Ratio Lower Upper
106 100
91 226.8 106.6 319.8



Abundance Ion 106.00 (105.70 to 106.70): VN052954.D (-3148) (-)
Ion 91.00 (90.70 to 91.70): VN052954.D (-3148) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053050.D

Acq: 20 Dec 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

MIHPT-20(17-20)MEDL

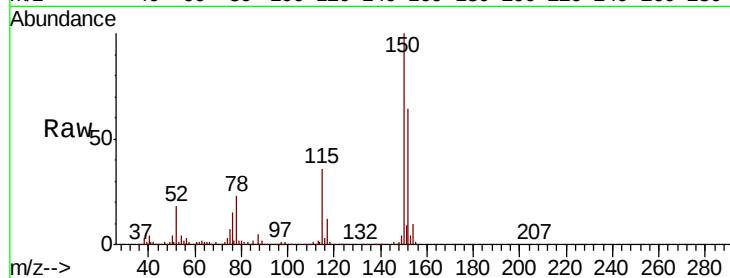
Tot Ion:152 Resp: 816374

Ion Ratio Lower Upper

152 100

115 56.3 28.3 85.0

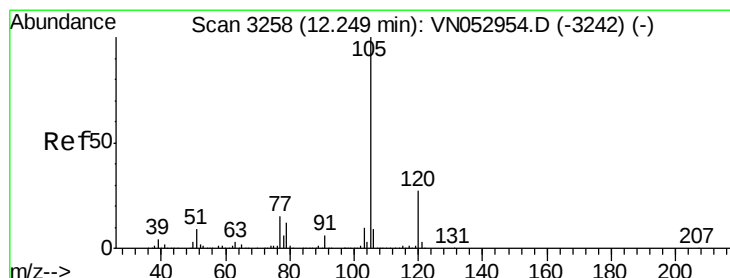
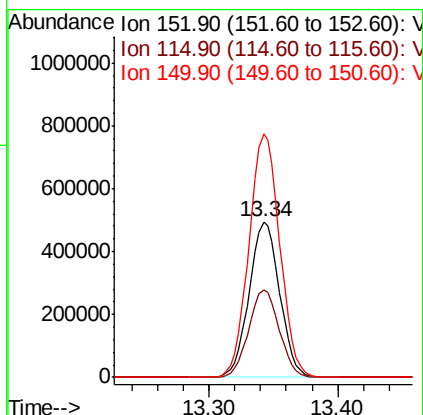
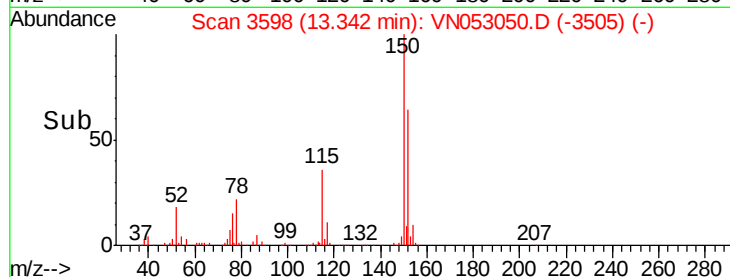
150 157.7 0.0 347.8



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: 0.250 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053050.D

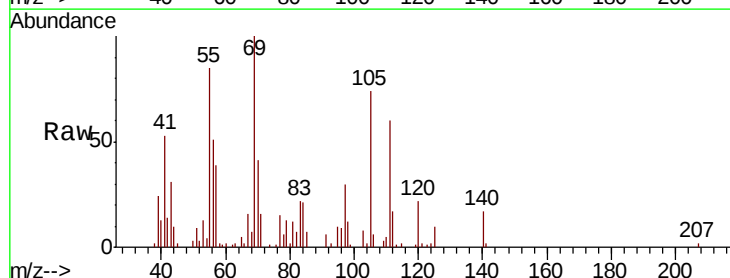
Acq: 20 Dec 2018 12:21

Tgt Ion:105 Resp: 15965

Ion Ratio Lower Upper

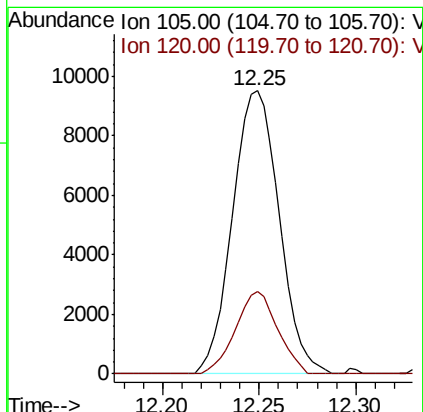
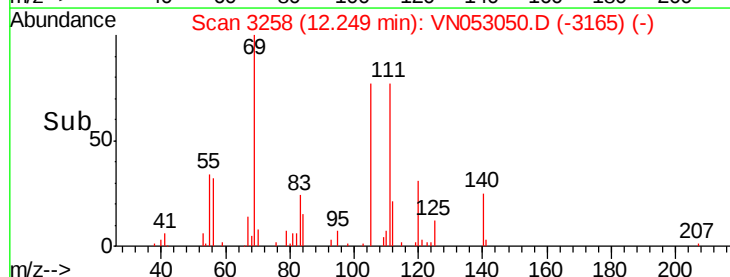
105 100

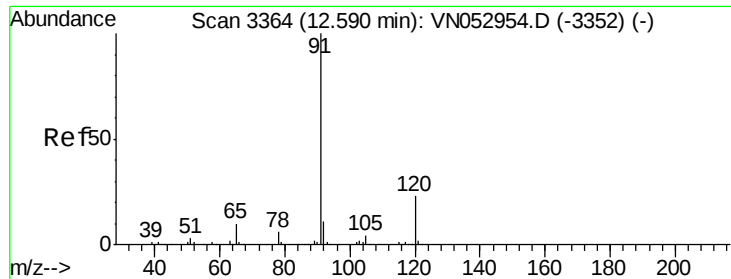
120 26.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.745 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053050.D

Acq: 20 Dec 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

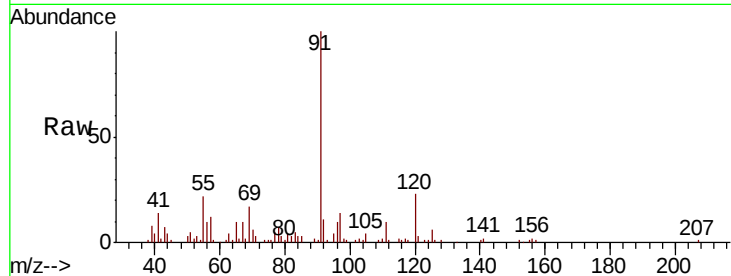
MIHPT-20(17-20)MEDL

Tot Ion: 91 Resp: 54207

Ion Ratio Lower Upper

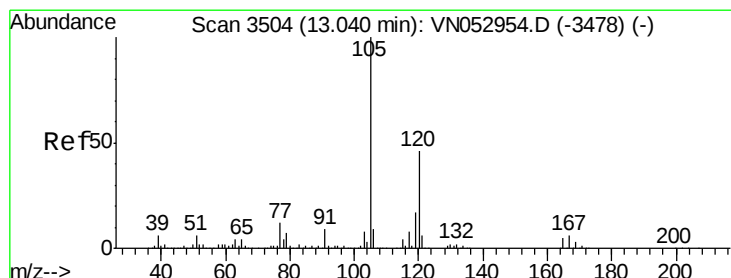
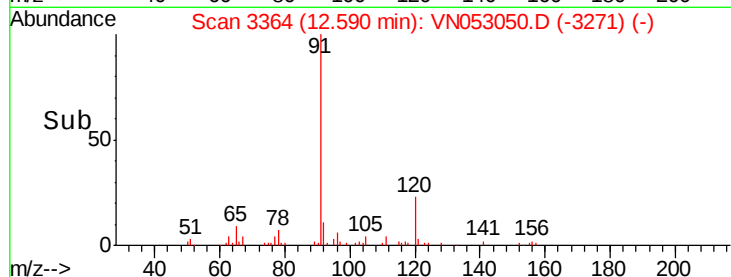
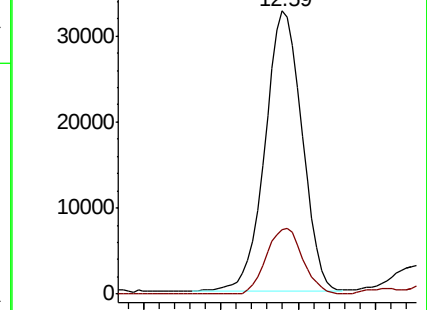
91 100

120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3352) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.855 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053050.D

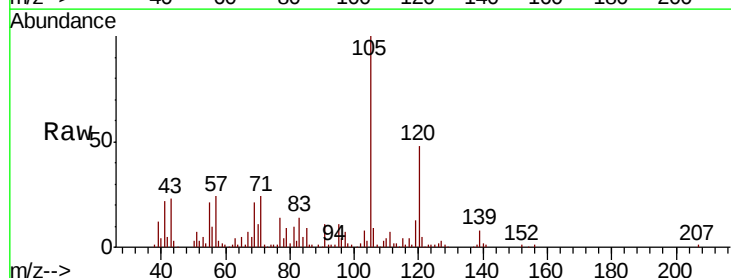
Acq: 20 Dec 2018 12:21

Tgt Ion: 105 Resp: 97083

Ion Ratio Lower Upper

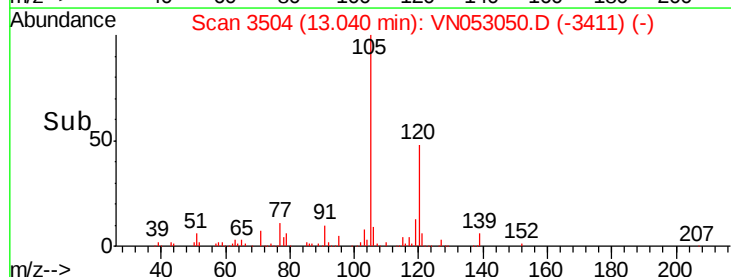
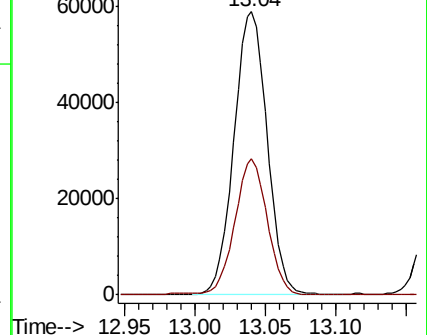
105 100

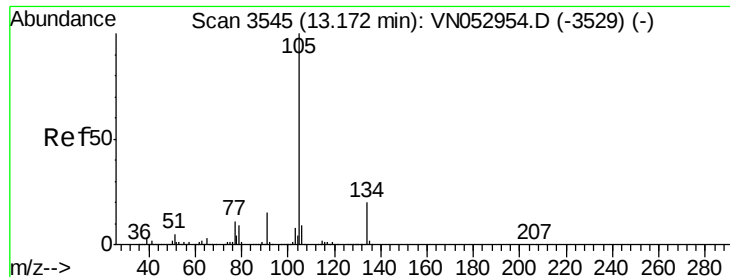
120 46.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3478) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3478) (-)





#85

sec-Butylbenzene

Concen: 0.536 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053050.D

Acq: 20 Dec 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

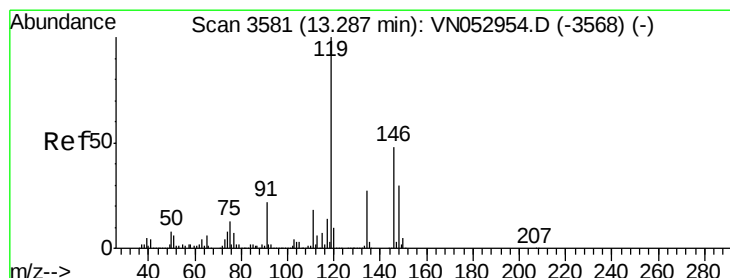
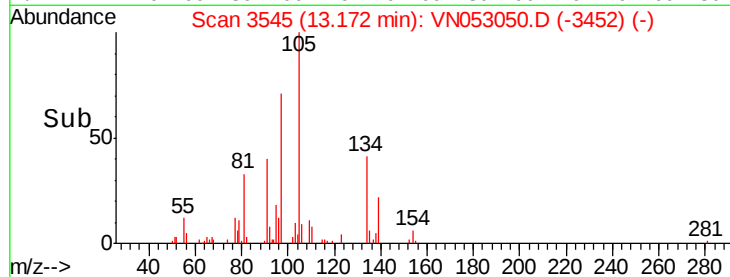
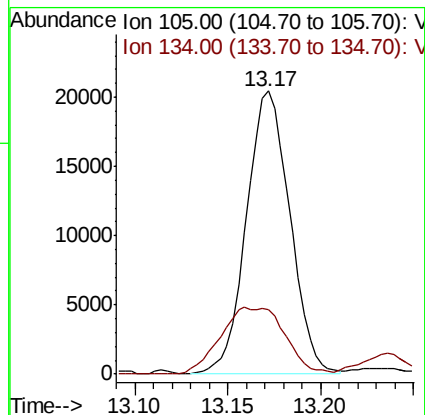
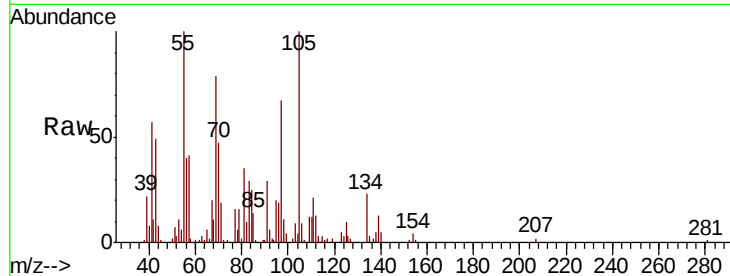
MIHPT-20(17-20)MEDL

Tot Ion:105 Resp: 33362

Ion Ratio Lower Upper

105 100

134 34.8 10.1 30.3#



#86

p-Isopropyltoluene

Concen: 0.301 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN053050.D

Acq: 20 Dec 2018 12:21

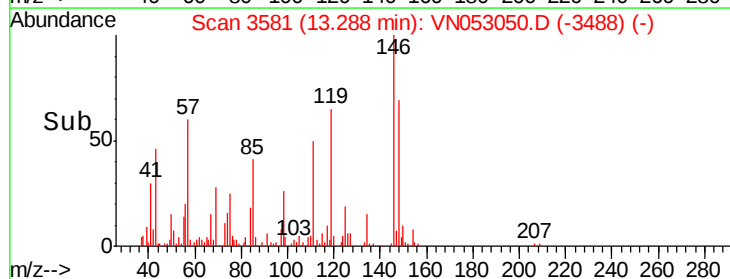
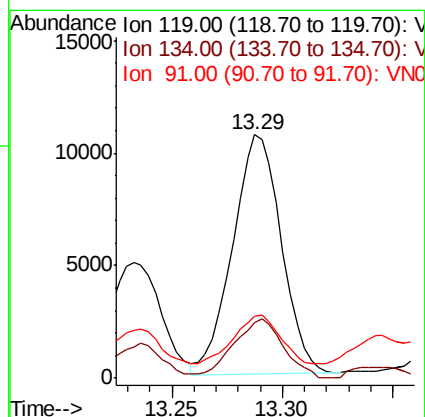
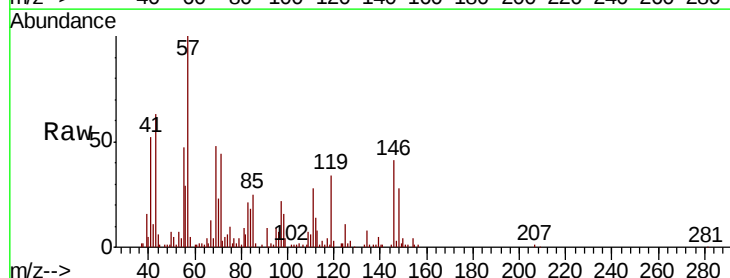
Tgt Ion:119 Resp: 16219

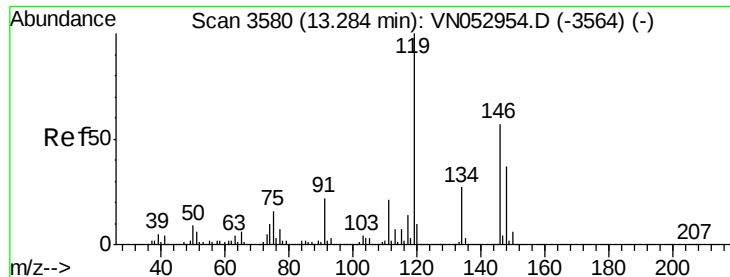
Ion Ratio Lower Upper

119 100

134 25.6 13.4 40.2

91 20.2 11.1 33.3

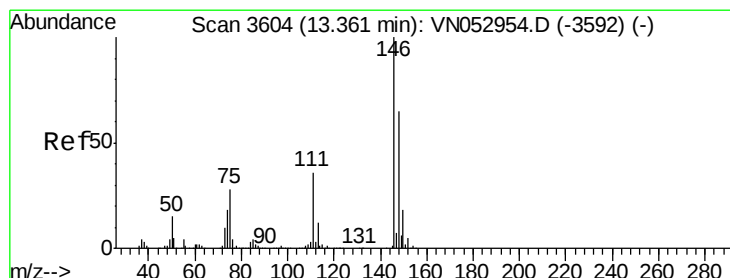
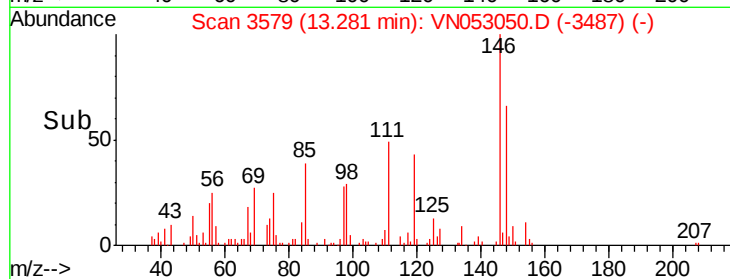
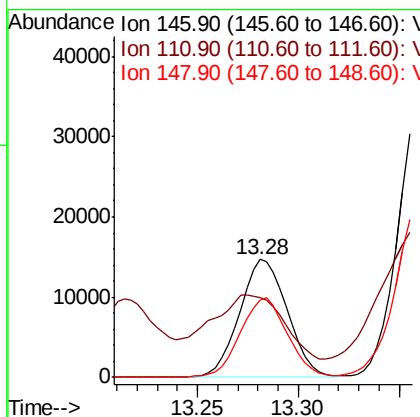
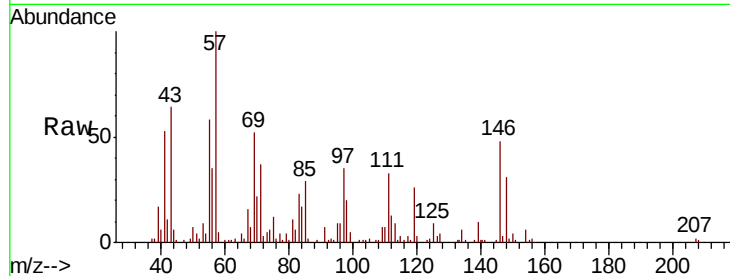




#87
 1,3-Dichlorobenzene
 Concen: 0.831 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053050.D
 Acq: 20 Dec 2018 12:21

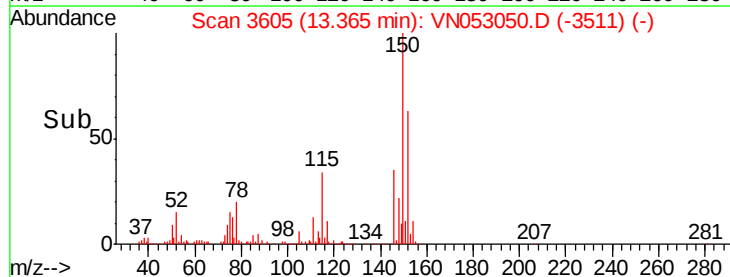
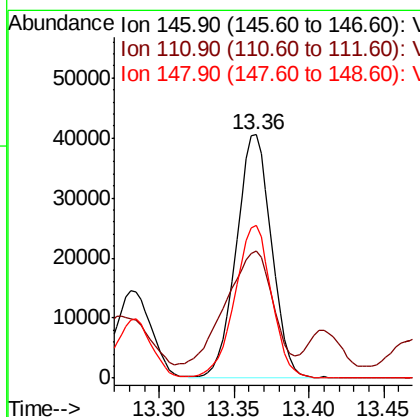
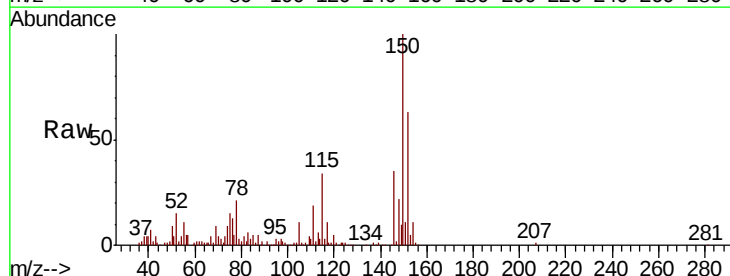
Instrument :
 MSVOA_N
 ClientSampleId :
 MIHPT-20(17-20)MEDL

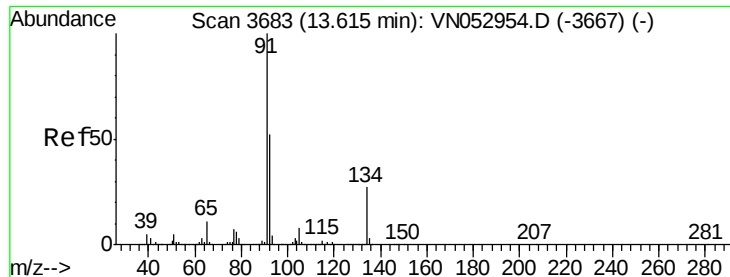
Tot Ion:146 Resp: 24418
 Ion Ratio Lower Upper
 146 100
 111 79.6 19.1 57.1#
 148 66.9 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 2.237 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053050.D
 Acq: 20 Dec 2018 12:21

Tgt Ion:146 Resp: 66585
 Ion Ratio Lower Upper
 146 100
 111 60.0 18.6 55.8#
 148 65.4 32.1 96.5

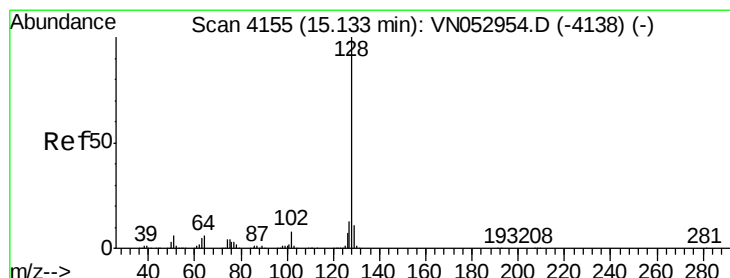
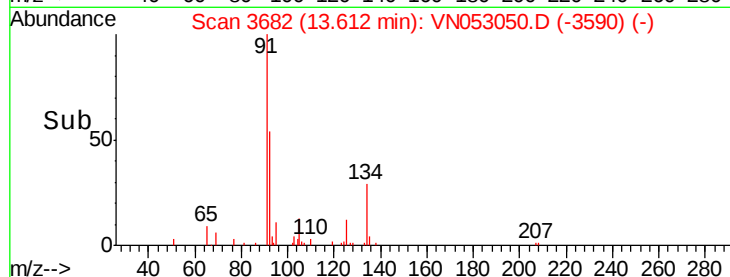
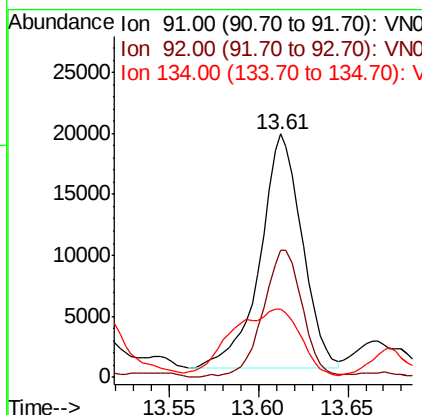
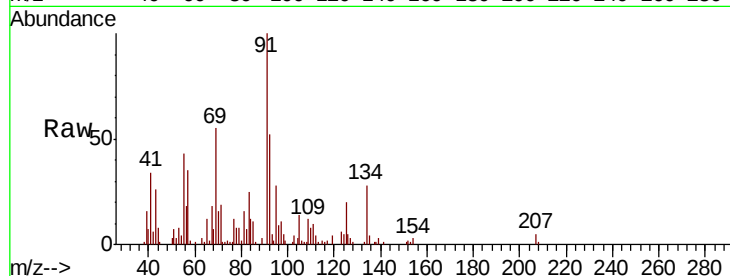




#89
n-Butylbenzene
Concen: 0.681 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053050.D
Acq: 20 Dec 2018 12:21

Instrument :
MSVOA_N
ClientSampleId :
MIHPT-20(17-20)MEDL

Tot Ion: 91 Resp: 31512
Ion Ratio Lower Upper
91 100
92 51.4 26.3 78.9
134 45.2 13.3 39.8#



#95
Naphthalene
Concen: 2.897 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053050.D
Acq: 20 Dec 2018 12:21

Tgt Ion: 128 Resp: 57501
Ion Ratio Lower Upper
128 100
127 15.5 10.2 15.4#
129 11.2 8.6 13.0

