

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051123.D
 Acq On : 11 Sep 2018 13:33
 Operator : MD\SY
 Sample : J4849-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-G

Quant Time: Sep 12 02:31:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	660855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1016701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	909078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	417295	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	385950	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	7.59	113	377734	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
50) Toluene-d8	10.09	98	1405625	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
62) 4-Bromofluorobenzene	12.40	95	475853	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	

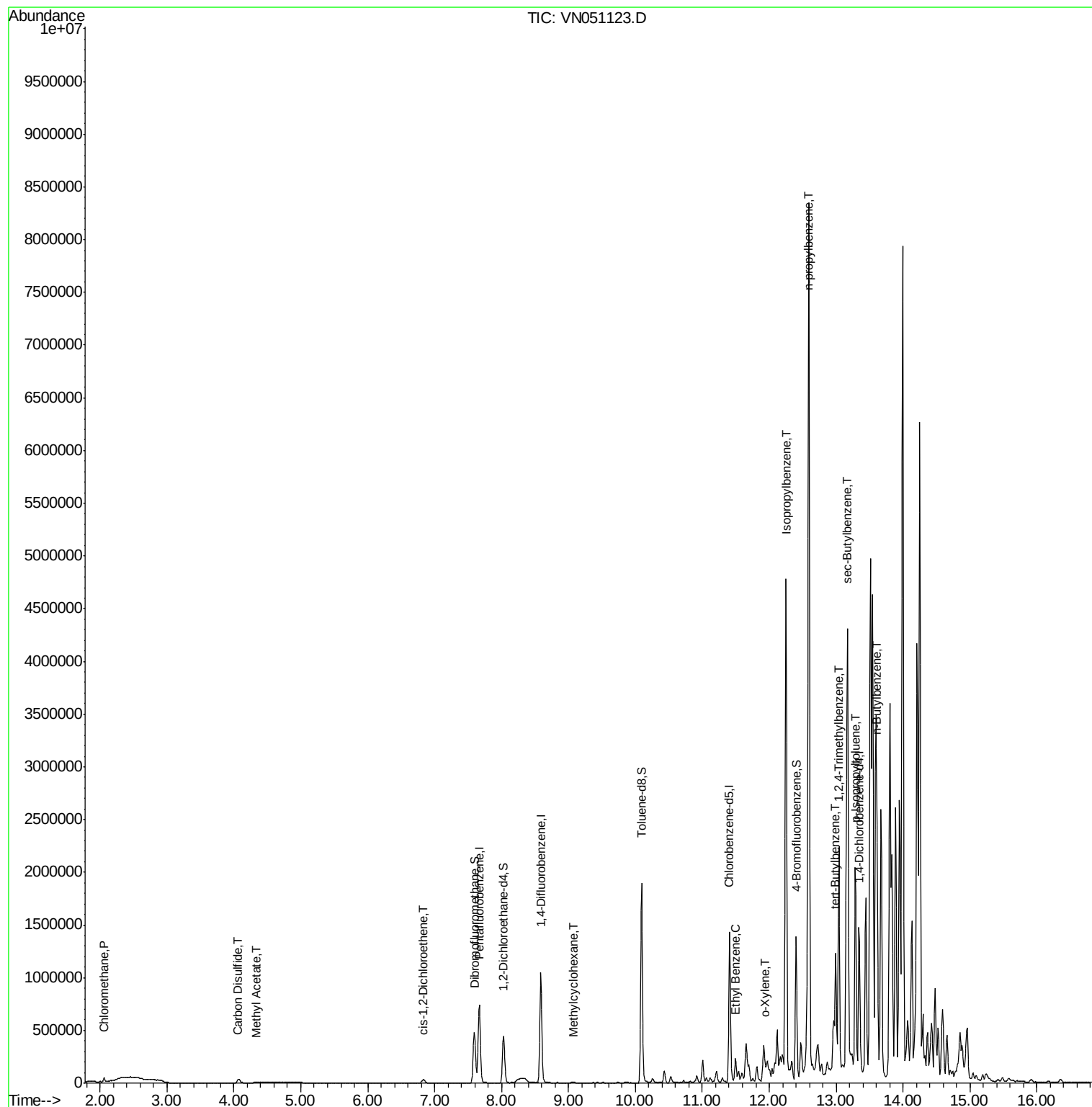
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	35490	3.81	ug/l	99
17) Carbon Disulfide	4.05	76	13535	0.76	ug/l	99
18) Methyl Acetate	4.34	43	8062	1.37	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	16561	1.97	ug/l	92
39) Methylcyclohexane	9.08	83	5692	0.46	ug/l #	90
67) Ethyl Benzene	11.51	91	21230	0.57	ug/l	99
69) o-Xylene	11.95	106	8910	0.65	ug/l	57
73) Isopropylbenzene	12.25	105	3226302	92.19	ug/l	100
78) n-propylbenzene	12.59	91	7008664	182.20	ug/l	99
83) tert-Butylbenzene	12.99	119	595585	23.84	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1249931	44.93	ug/l	99
85) sec-Butylbenzene	13.17	105	2882957	90.00	ug/l	81
86) p-Isopropyltoluene	13.29	119	1146884	42.22	ug/l	100
89) n-Butylbenzene	13.61	91	1316276	62.27	ug/l #	75

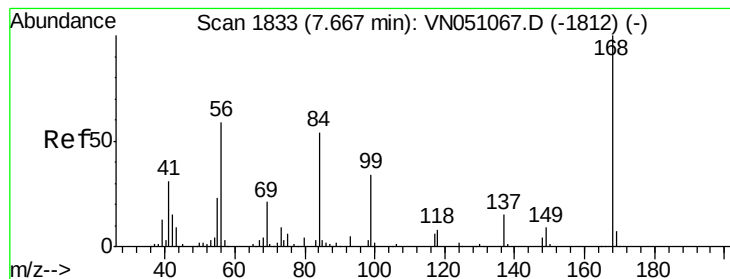
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051123.D

Acq: 11 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampled :

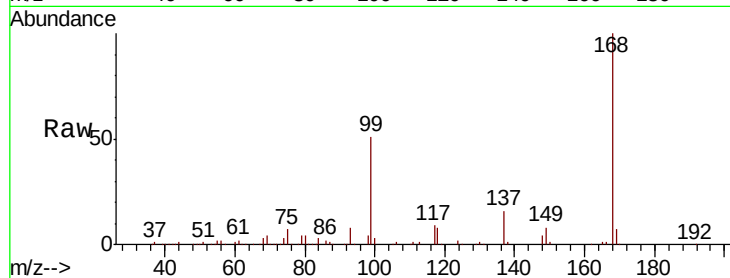
EP1-MW-G

Tot Ion:168 Resp: 660855

Ion Ratio Lower Upper

168 100

99 50.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

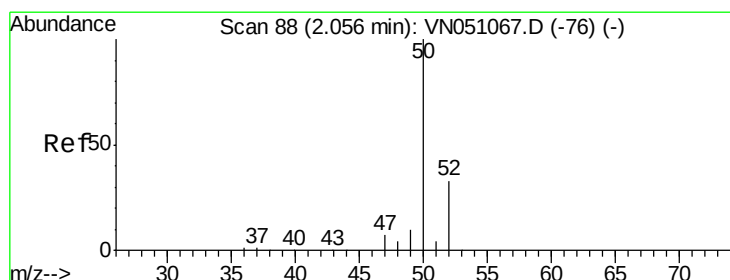
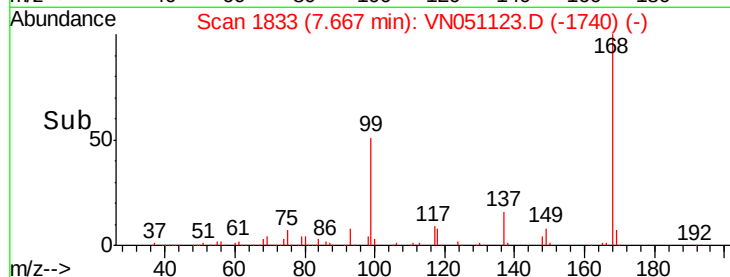
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 3.81 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051123.D

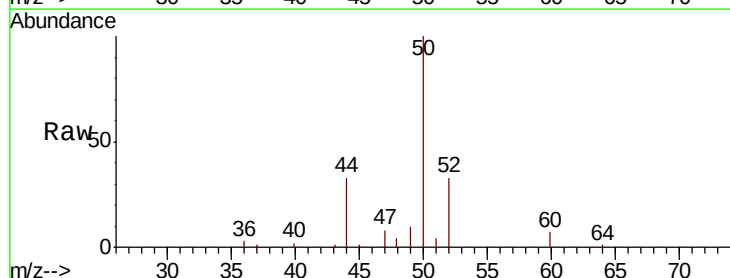
Acq: 11 Sep 2018 13:33

Tgt Ion: 50 Resp: 35490

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

30000

25000

20000

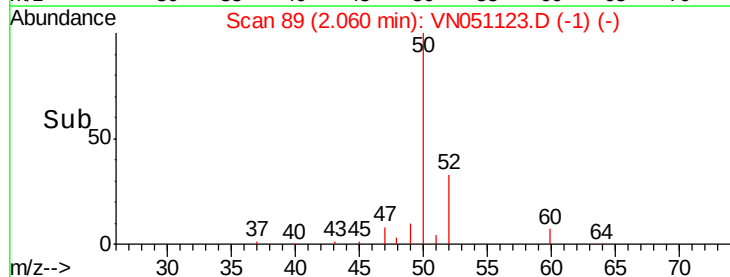
15000

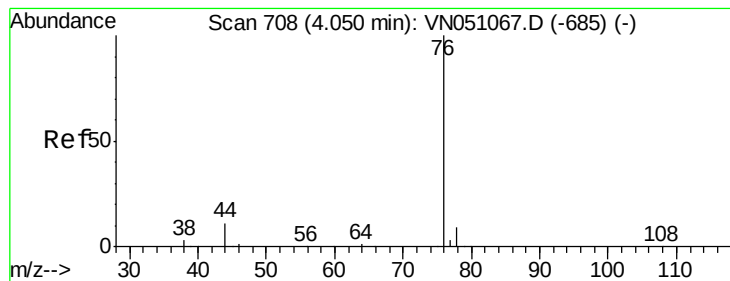
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 0.76 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051123.D

Acq: 11 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

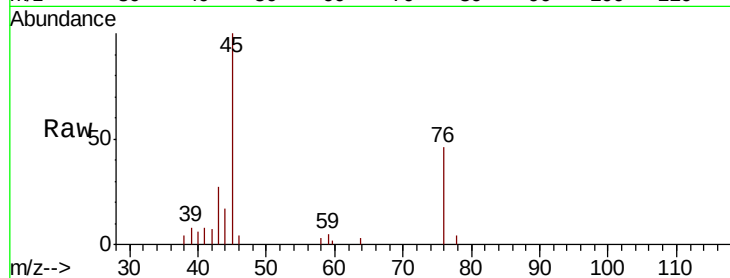
EP1-MW-G

Tot Ion: 76 Resp: 13535

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



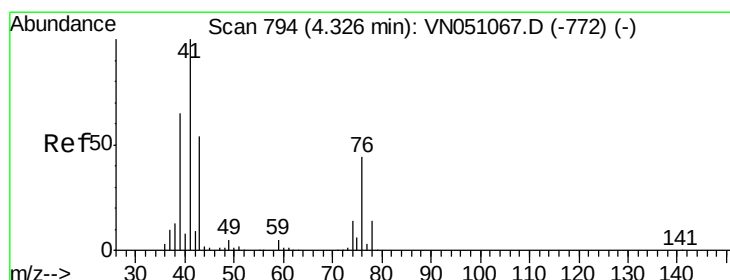
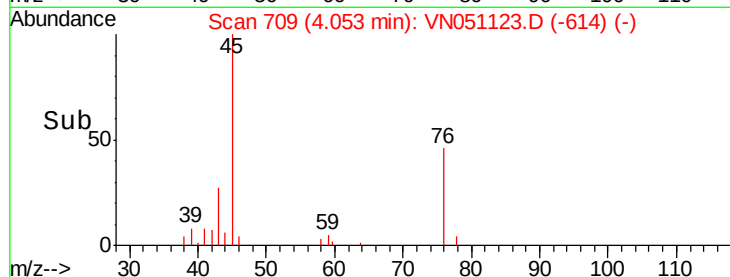
Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

Time-->

4.05

4.10



#18

Methyl Acetate

Concen: 1.37 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051123.D

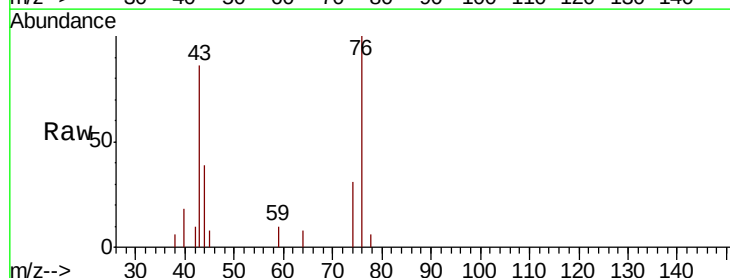
Acq: 11 Sep 2018 13:33

Tgt Ion: 43 Resp: 8062

Ion Ratio Lower Upper

43 100

74 23.7 20.7 31.1



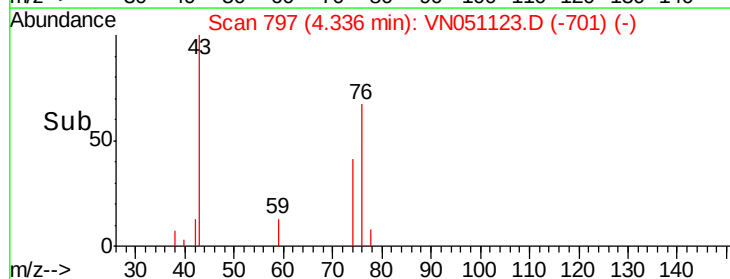
Abundance Ion 43.00 (42.70 to 43.70): VN0

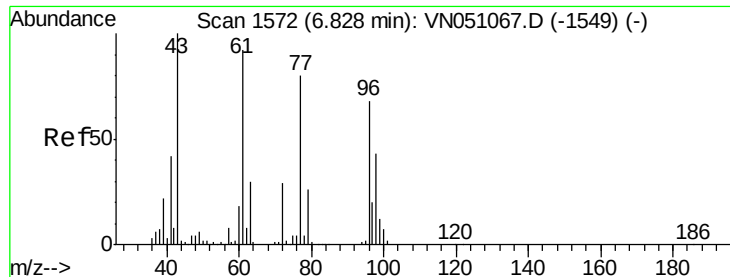
Ion 74.00 (73.70 to 74.70): VN0

Time-->

4.34

4.40





#27

cis-1,2-Dichloroethene

Concen: 1.97 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051123.D

Acq: 11 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-G

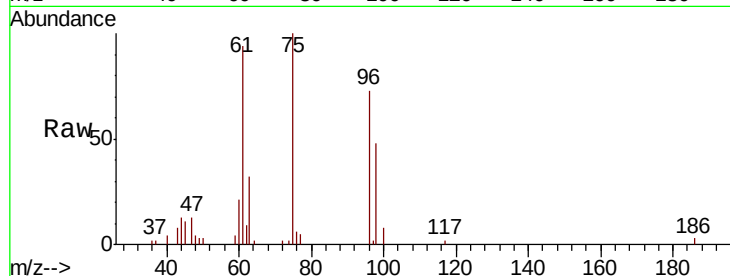
Tot Ion: 96 Resp: 16561

Ion Ratio Lower Upper

96 100

61 125.3 0.0 278.2

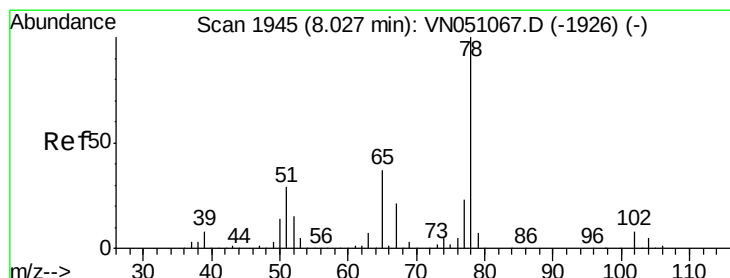
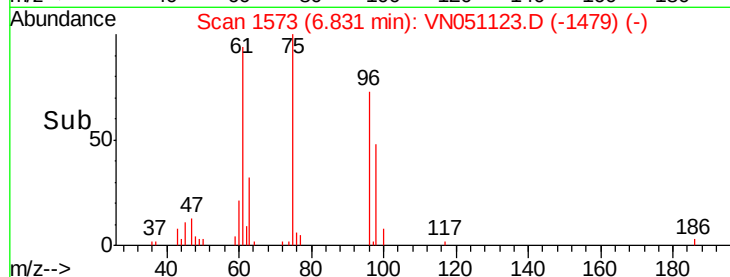
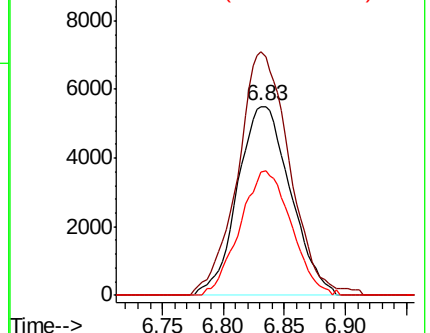
98 64.0 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.48 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051123.D

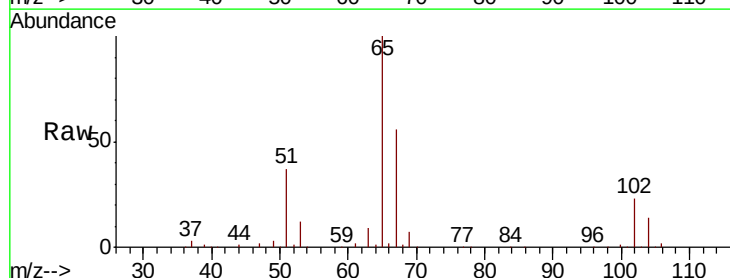
Acq: 11 Sep 2018 13:33

Tgt Ion: 65 Resp: 385950

Ion Ratio Lower Upper

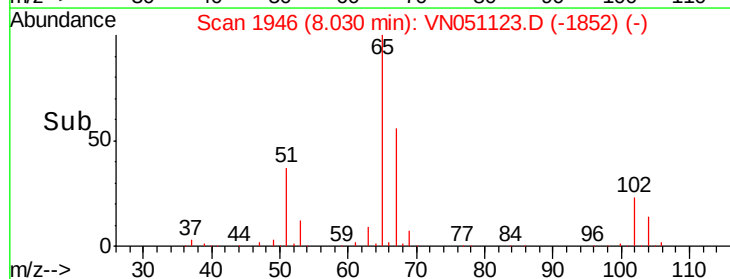
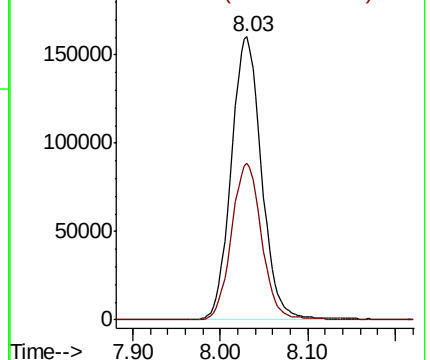
65 100

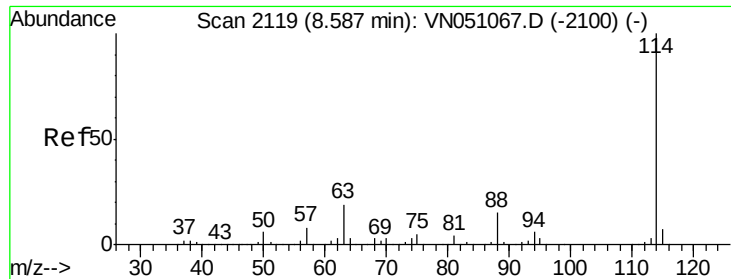
67 54.9 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

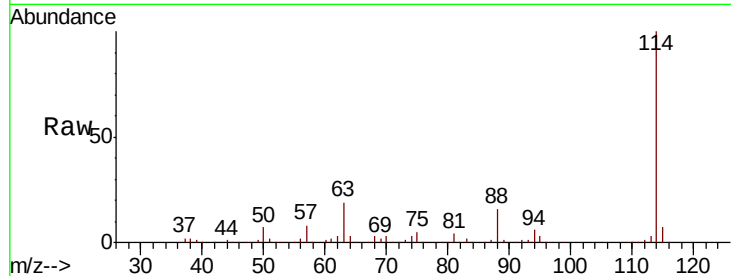




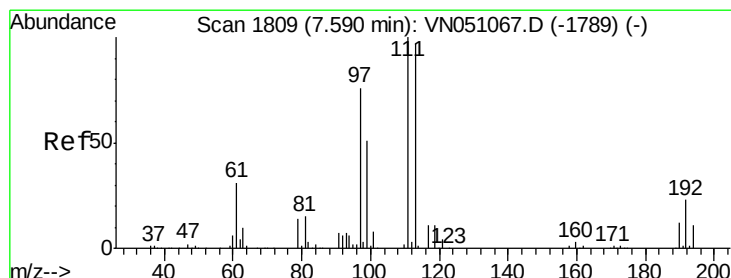
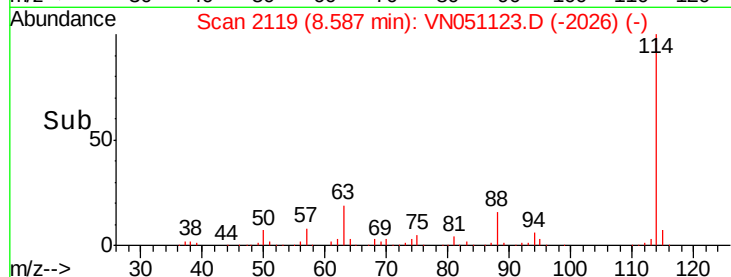
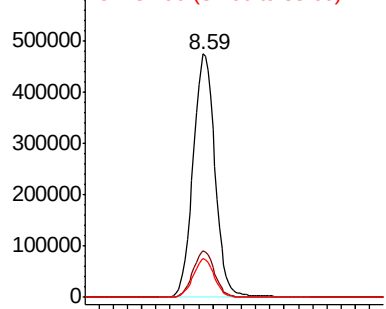
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051123.D
 Acq: 11 Sep 2018 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-G

Tot Ion:114 Resp: 1016701
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.8
 88 15.8 0.0 30.8

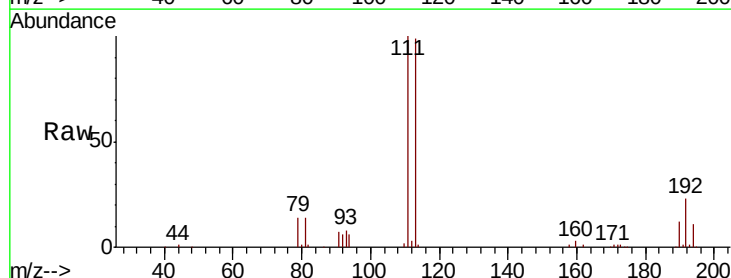


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

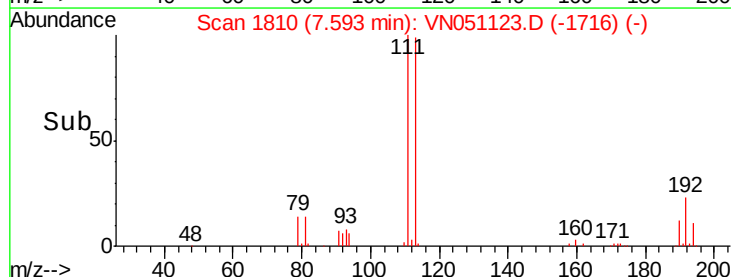
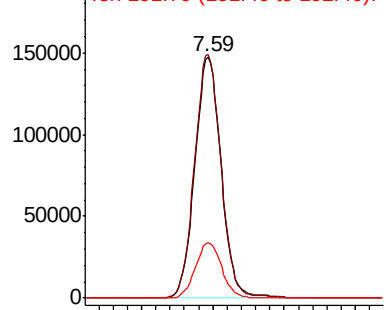


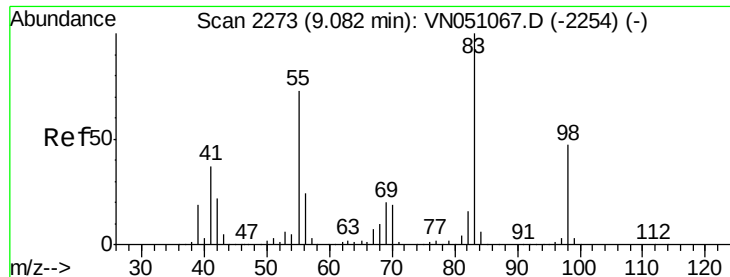
#35
 Dibromofluoromethane
 Concen: 49.44 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051123.D
 Acq: 11 Sep 2018 13:33

Tgt Ion:113 Resp: 377734
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.0 124.6
 192 23.1 18.7 28.1



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

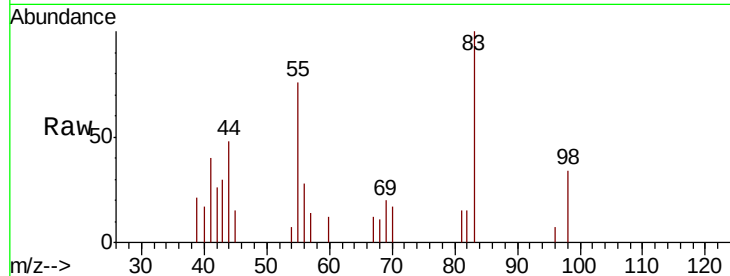




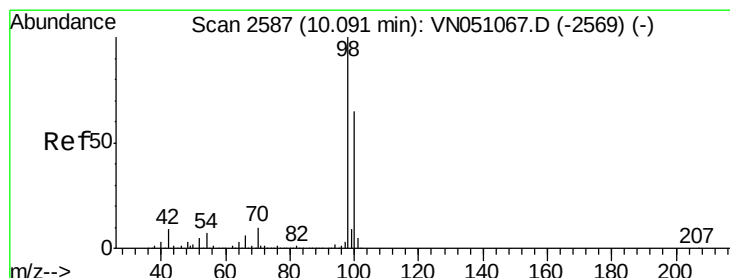
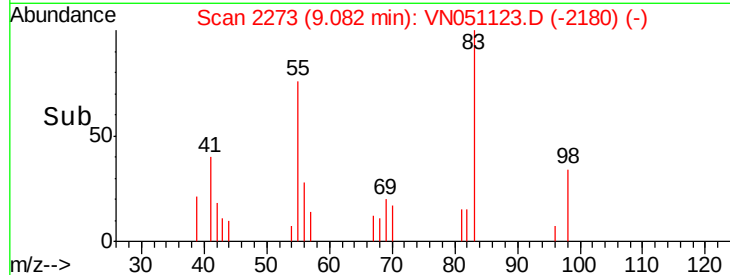
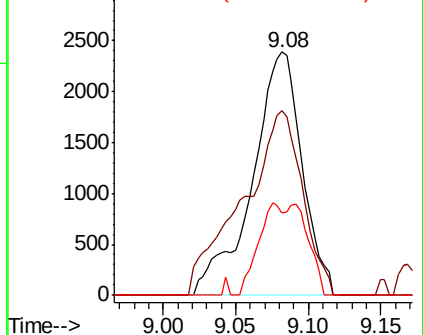
#39
Methylcyclohexane
Concen: 0.46 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051123.D
Acq: 11 Sep 2018 13:33

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-G

Tot Ion: 83 Resp: 5692
Ion Ratio Lower Upper
83 100
55 76.1 58.4 87.6
98 34.0 37.3 55.9#

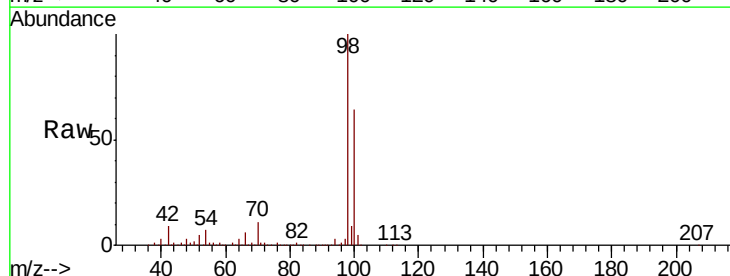


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

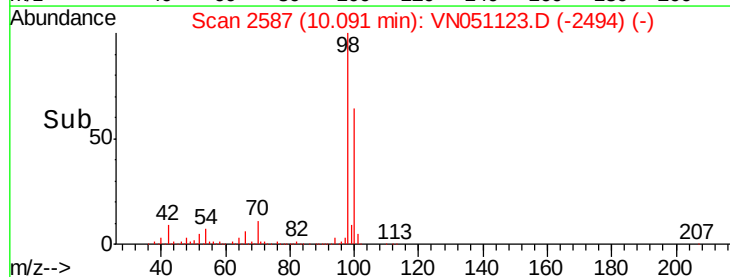
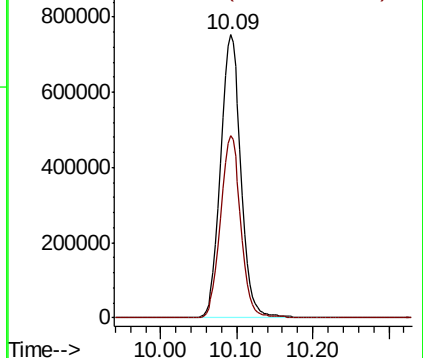


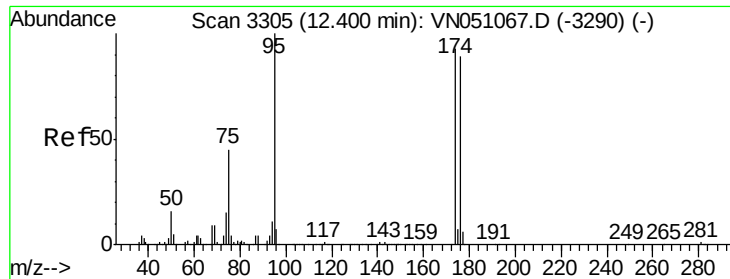
#50
Toluene-d8
Concen: 48.49 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051123.D
Acq: 11 Sep 2018 13:33

Tgt Ion: 98 Resp: 1405625
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 49.62 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051123.D

Acq: 11 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-G

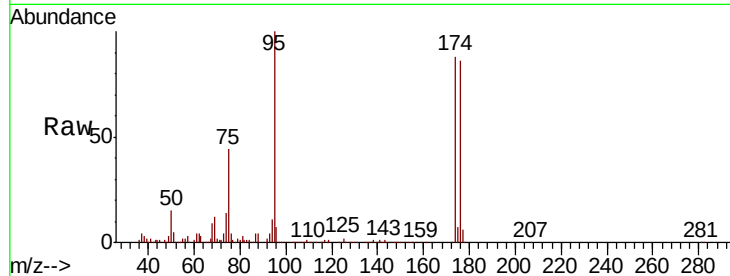
Tot Ion: 95 Resp: 475853

Ion Ratio Lower Upper

95 100

174 90.3 0.0 184.8

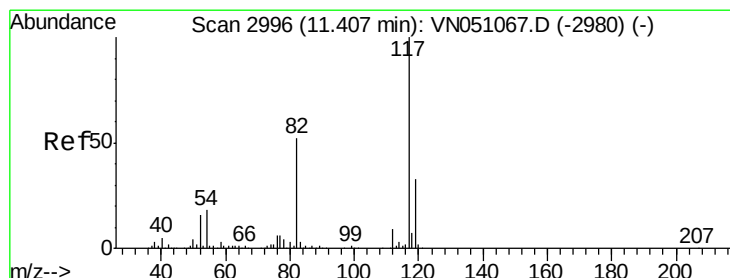
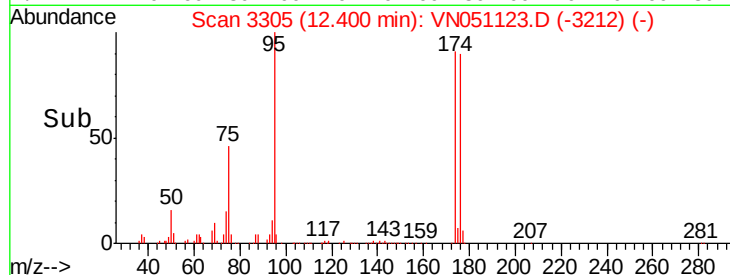
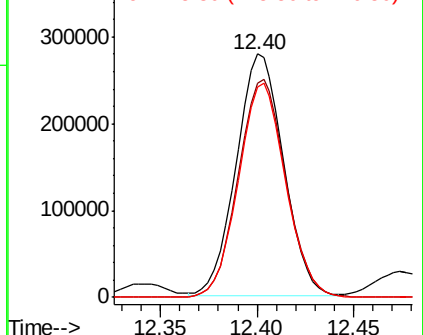
176 88.0 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VN051067.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051067.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051067.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051123.D

Acq: 11 Sep 2018 13:33

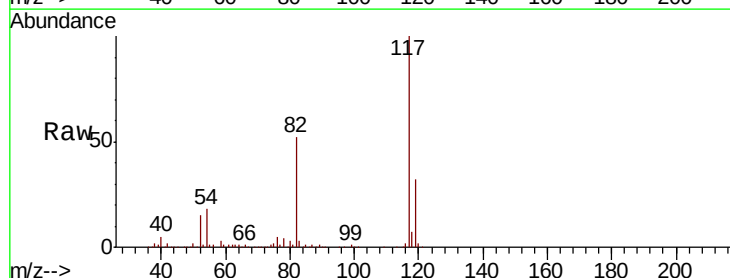
Tgt Ion: 117 Resp: 909078

Ion Ratio Lower Upper

117 100

82 52.2 41.8 62.6

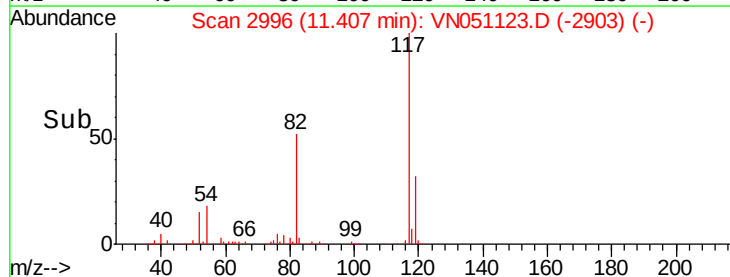
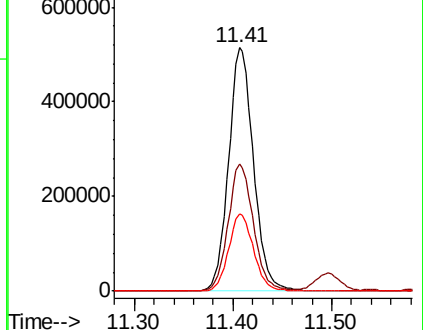
119 31.5 26.2 39.2

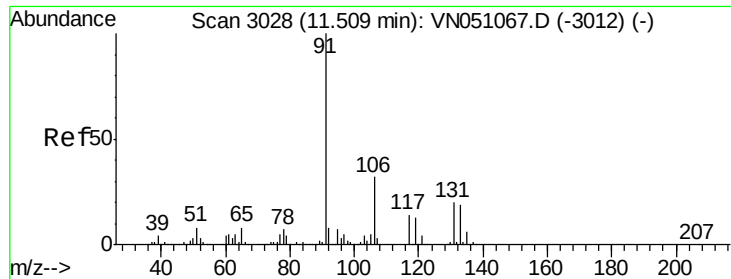


Abundance Ion 116.90 (116.60 to 117.60): VN051067.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN051067.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051067.D (-2980) (-)

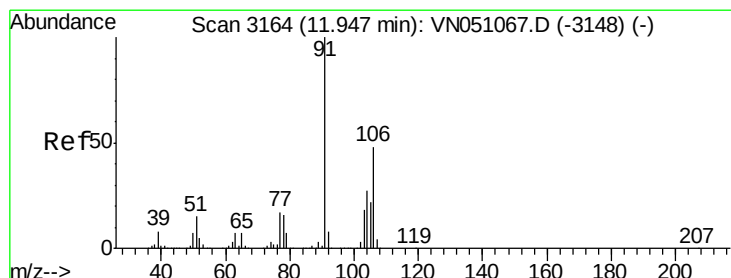
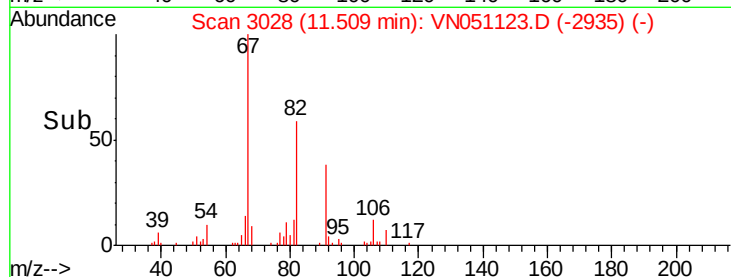
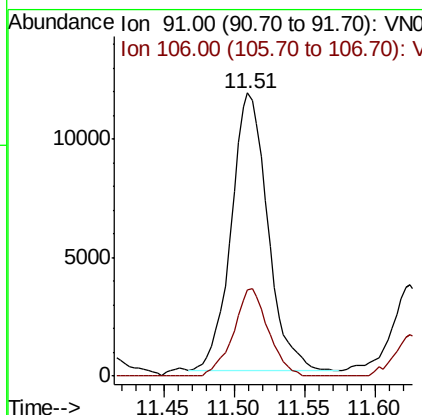
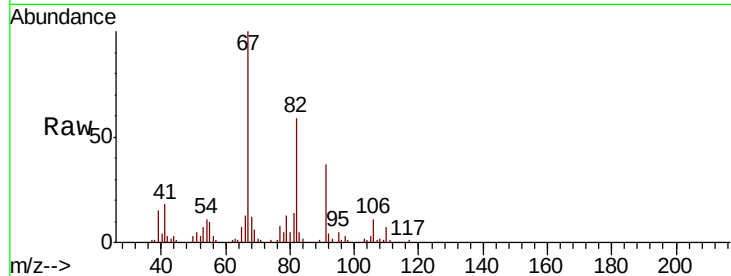




#67
Ethyl Benzene
Concen: 0.57 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051123.D
Acq: 11 Sep 2018 13:33

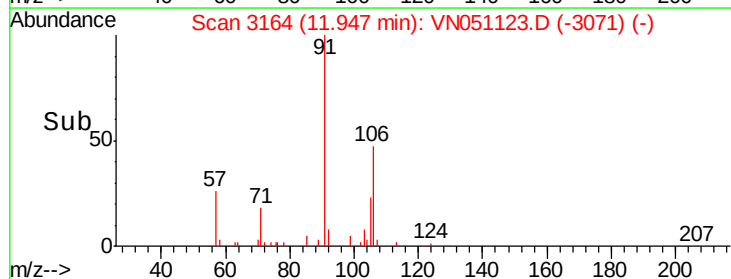
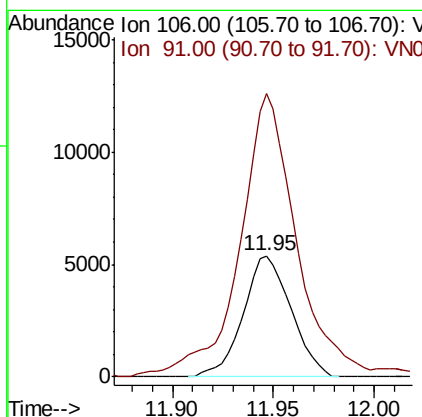
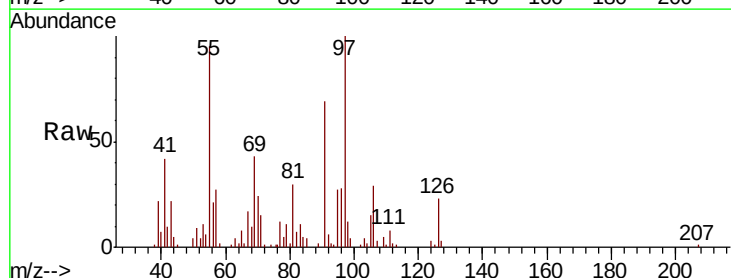
Instrument :
MSVOA_N
ClientSampled :
EP1-MW-G

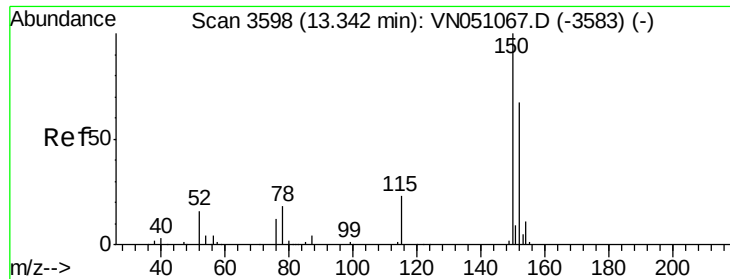
Tot Ion: 91 Resp: 21230
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.2



#69
o-Xylene
Concen: 0.65 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051123.D
Acq: 11 Sep 2018 13:33

Tgt Ion: 106 Resp: 8910
Ion Ratio Lower Upper
106 100
91 277.3 105.1 315.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051123.D

Acq: 11 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-G

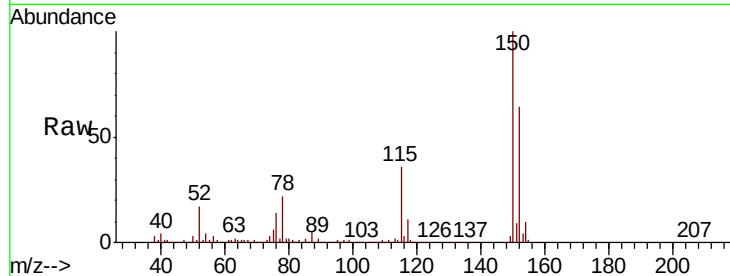
Tot Ion:152 Resp: 417295

Ion Ratio Lower Upper

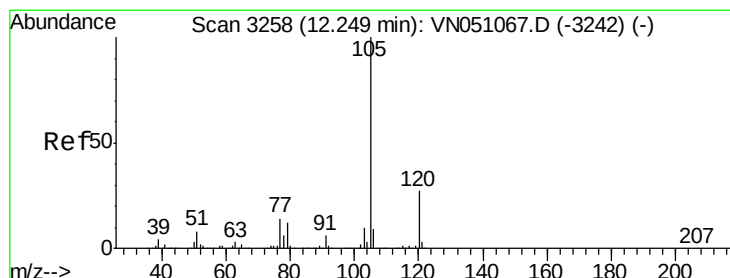
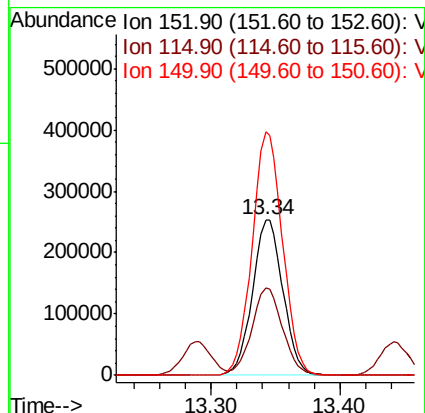
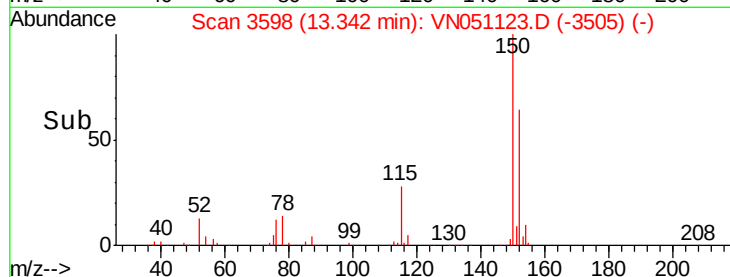
152 100

115 56.3 28.2 84.7

150 156.3 0.0 349.0



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



#73

Isopropylbenzene

Concen: 92.19 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051123.D

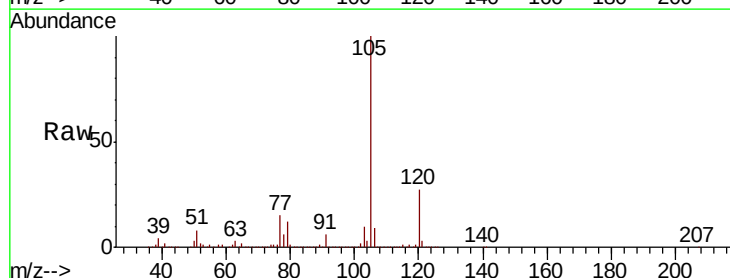
Acq: 11 Sep 2018 13:33

Tgt Ion:105 Resp: 3226302

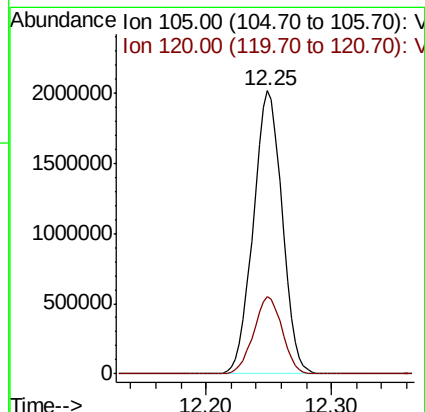
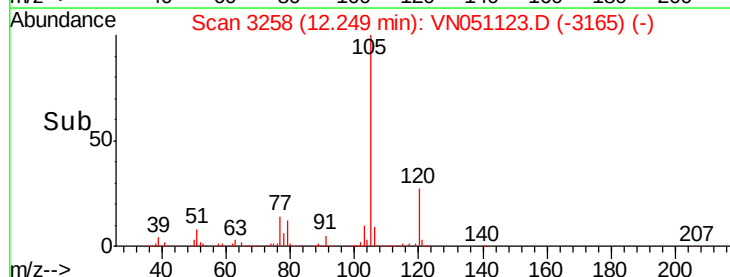
Ion Ratio Lower Upper

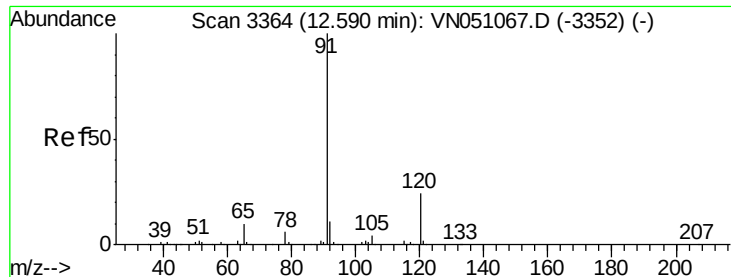
105 100

120 27.0 13.6 40.7



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

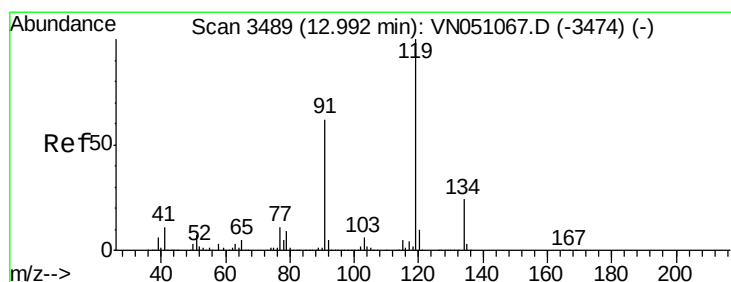
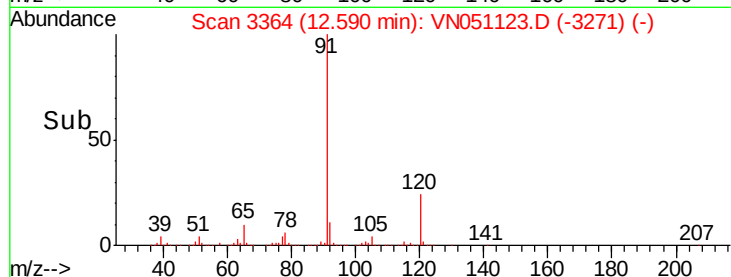
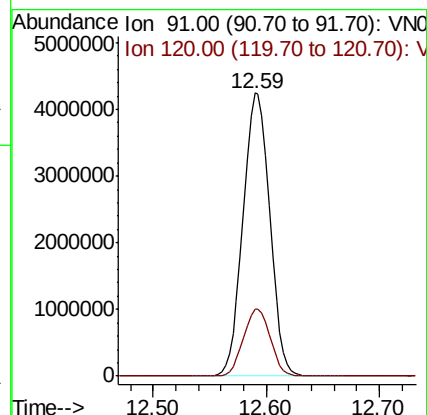
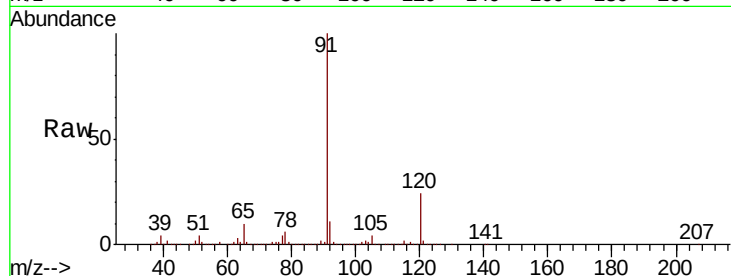




#78
n-propylbenzene
Concen: 182.20 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN051123.D
Acq: 11 Sep 2018 13:33

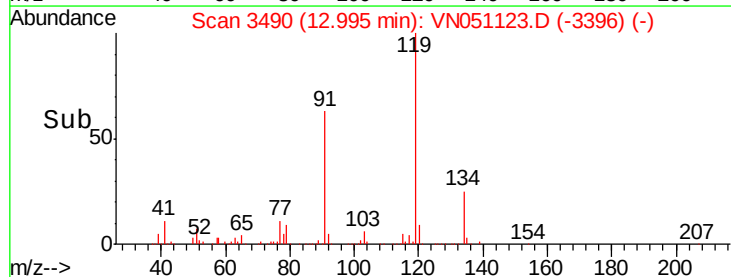
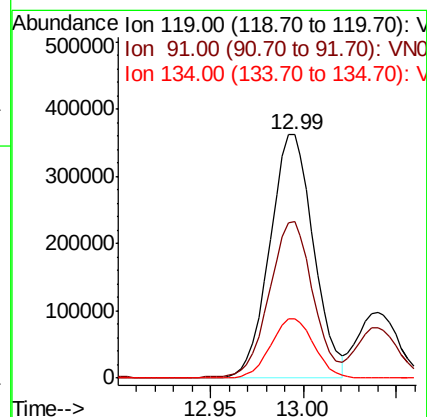
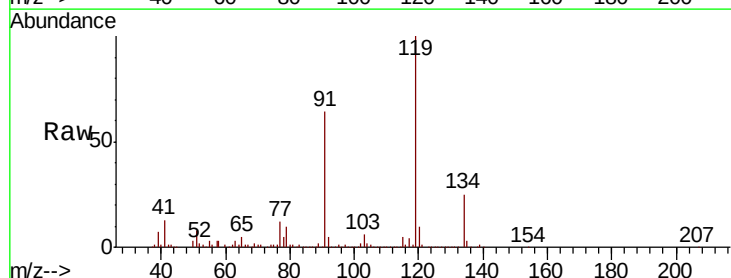
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-G

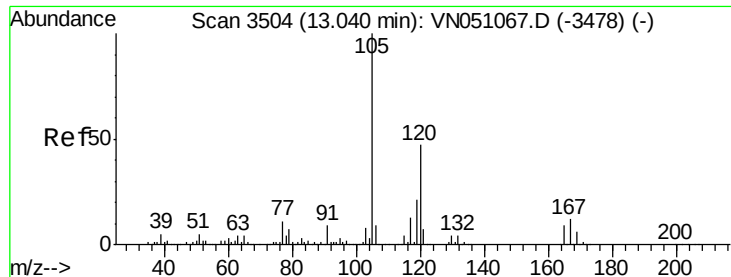
Tot Ion: 91 Resp: 7008664
Ion Ratio Lower Upper
91 100
120 23.7 12.0 36.0



#83
tert-Butylbenzene
Concen: 23.84 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051123.D
Acq: 11 Sep 2018 13:33

Tgt Ion: 119 Resp: 595585
Ion Ratio Lower Upper
119 100
91 64.1 30.8 92.3
134 24.3 13.2 39.6

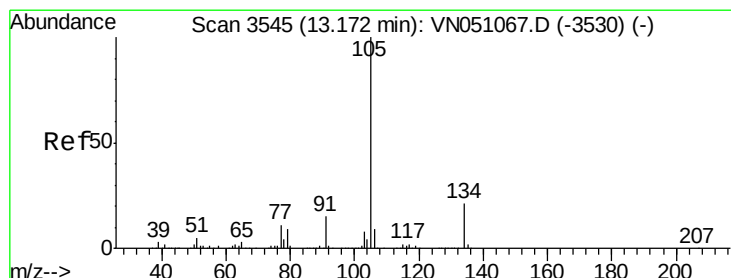
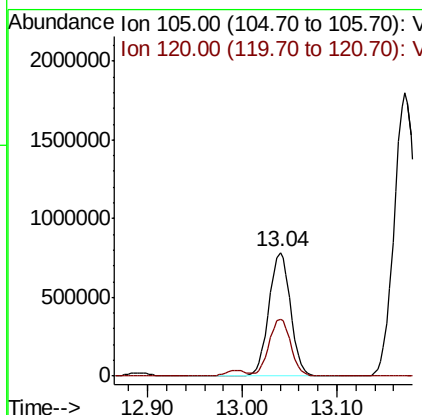
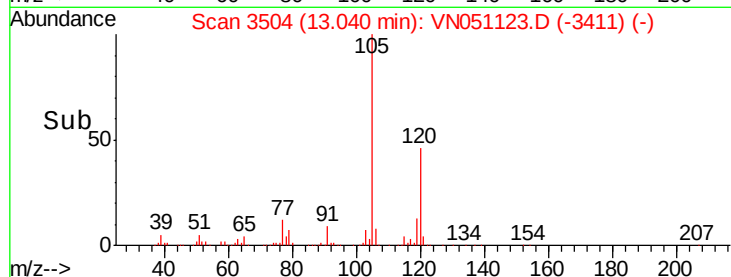
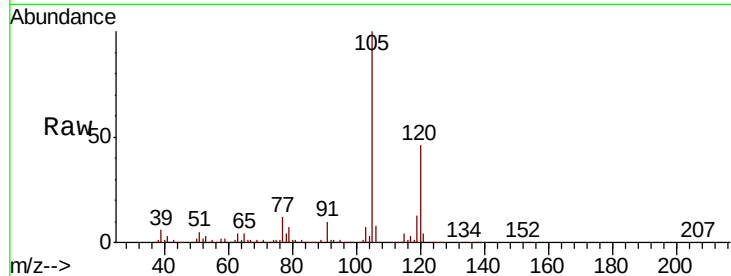




#84
 1,2,4-Trimethylbenzene
 Concen: 44.93 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051123.D
 Acq: 11 Sep 2018 13:33

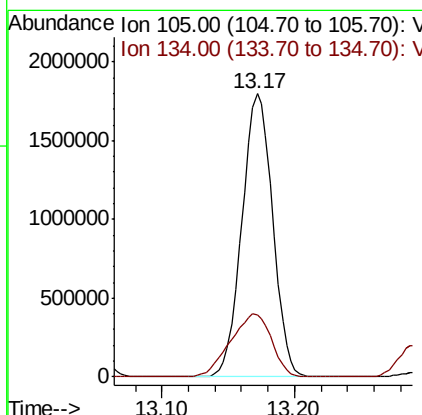
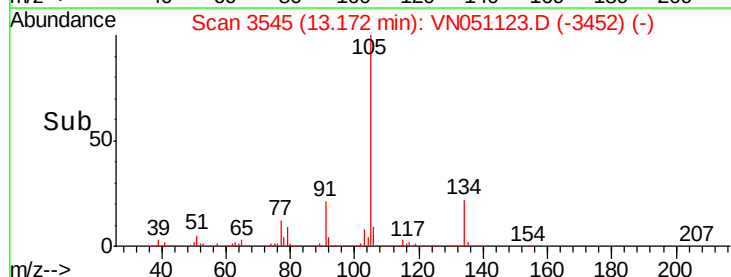
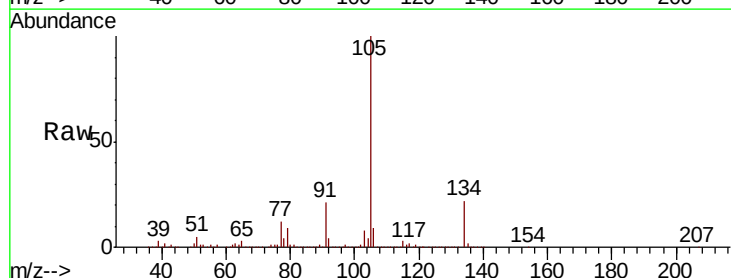
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-G

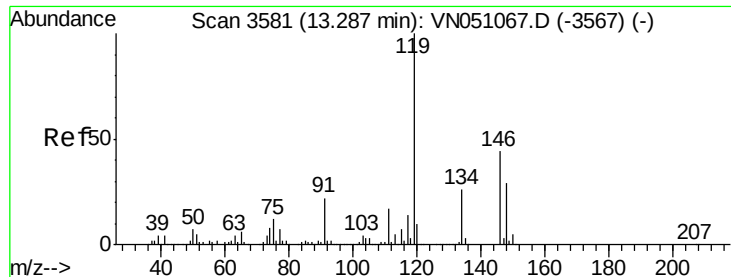
Tot Ion:105 Resp: 1249931
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.3 69.8



#85
 sec-Butylbenzene
 Concen: 90.00 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051123.D
 Acq: 11 Sep 2018 13:33

Tgt Ion:105 Resp: 2882957
 Ion Ratio Lower Upper
 105 100
 134 29.9 10.4 31.4

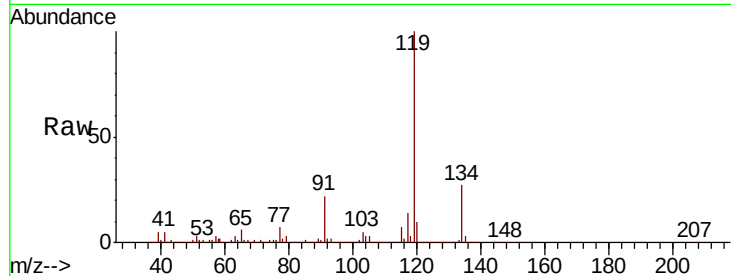




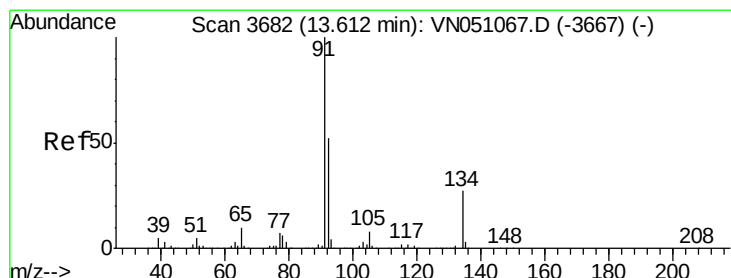
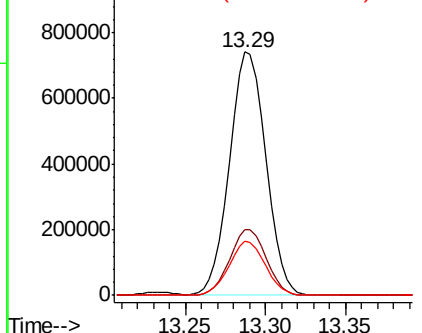
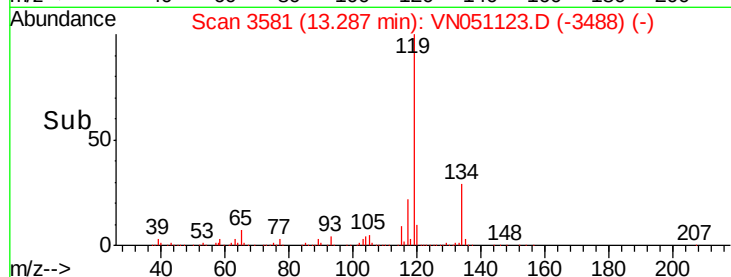
#86
 p-Isopropyltoluene
 Concen: 42.22 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051123.D
 Acq: 11 Sep 2018 13:33

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-G

Tot Ion:119 Resp: 1146884
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.4
 91 21.8 10.9 32.9

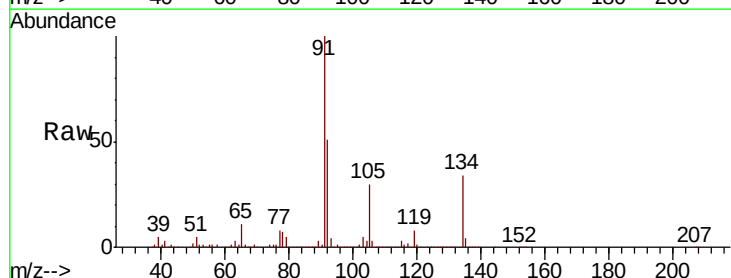


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V



#89
 n-Butylbenzene
 Concen: 62.27 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN051123.D
 Acq: 11 Sep 2018 13:33

Tgt Ion: 91 Resp: 1316276
 Ion Ratio Lower Upper
 91 100
 92 44.7 26.2 78.6
 134 0.0 13.7 41.1#



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 92.00 (91.70 to 92.70): V
 Ion 134.00 (133.70 to 134.70): V

