

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064760.D
 Acq On : 20 Nov 2020 5:07
 Operator : JC/MD
 Sample : L4788-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-BPOW1-7-GW-20201116

Quant Time: Nov 20 06:49:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	282216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	567045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	601844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	245998	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	247233	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	7.55	113	187090	57.97	ug/l	0.00
Spiked Amount			Recovery	=	115.94%	
50) Toluene-d8	10.06	98	727162	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.38	95	277217	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	

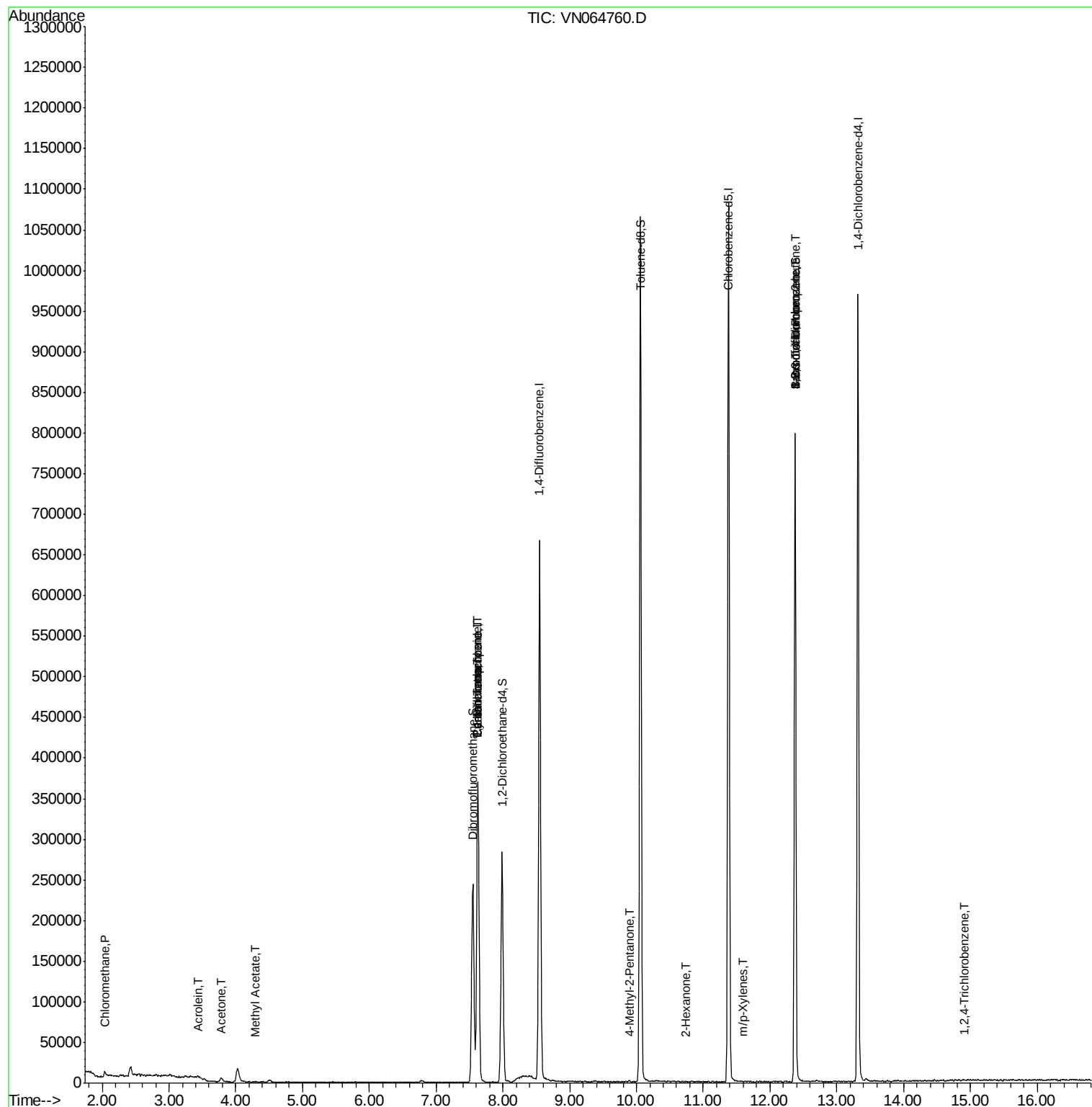
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	4674	1.199	ug/l	95
13) Acrolein	3.44	56	58	0.514	ug/l #	11
16) Acetone	3.78	43	8179	11.735	ug/l	92
18) Methyl Acetate	4.29	43	1339	1.692	ug/l #	54
31) Cyclohexane	7.63	56	6612	1.232	ug/l #	8
36) 1,1-Dichloropropene	7.63	75	25261	4.330	ug/l #	51
38) Carbon Tetrachloride	7.63	117	29112	4.696	ug/l #	16
51) 4-Methyl-2-Pentanone	9.89	43	1257	6.344	ug/l #	39
59) 2-Hexanone	10.74	43	268	8.501	ug/l #	28
68) m/p-Xylenes	11.59	106	29	4.065	ug/l #	1
71) Bromoform	12.37	173	954	2.691	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	144484	27.259	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	144484	69.628	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.89	180	109	1.357	ug/l #	12

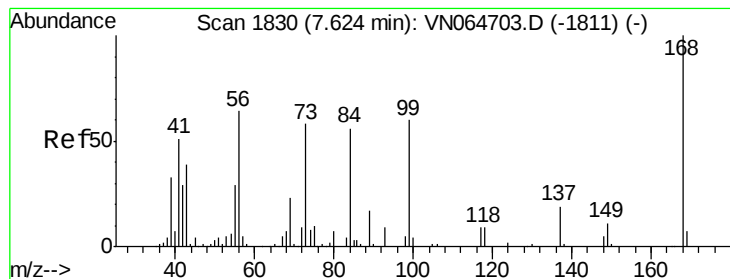
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064760.D

Acq: 20 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

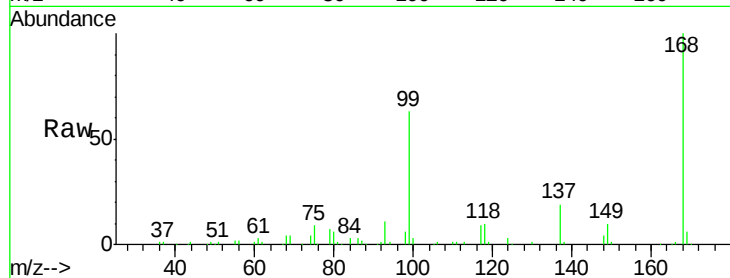
BP-TT-BPOW1-7-GW-20201116

Tot Ion:168 Resp: 282216

Ion Ratio Lower Upper

168 100

99 63.1 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

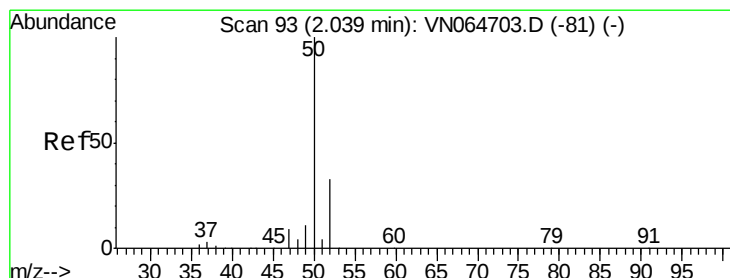
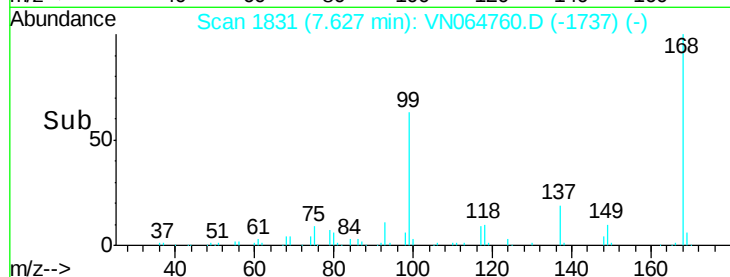
7.63

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.199 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064760.D

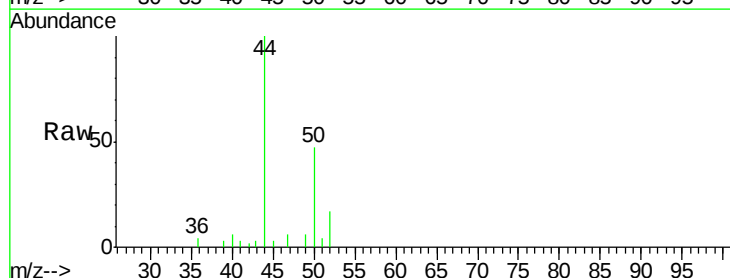
Acq: 20 Nov 2020 5:07

Tgt Ion: 50 Resp: 4674

Ion Ratio Lower Upper

50 100

52 35.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

4000

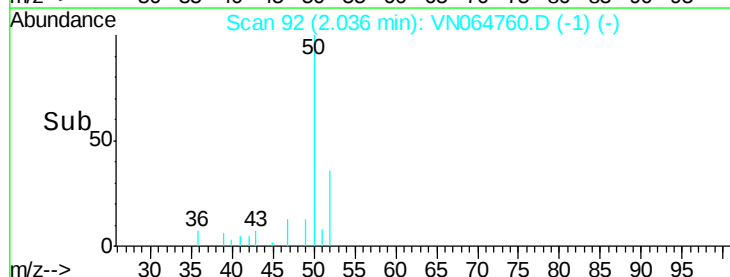
3000

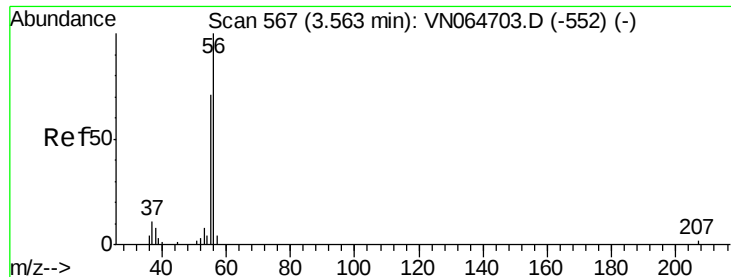
2000

1000

0

Time-->





#13

Acrolein

Concen: 0.514 ug/l

RT: 3.44 min Scan# 529

Delta R.T. -0.12 min

Lab File: VN064760.D

Acq: 20 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

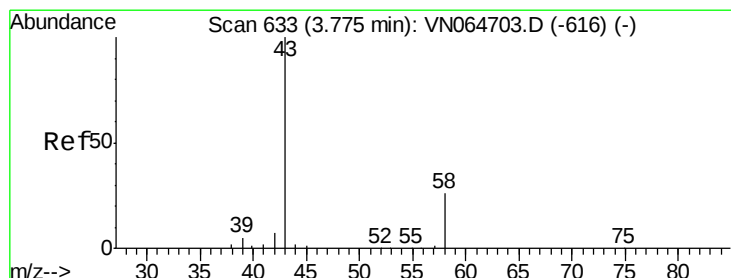
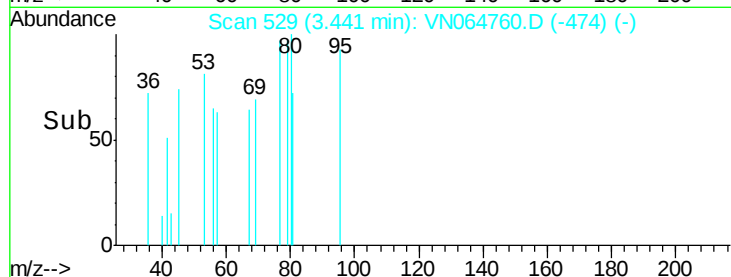
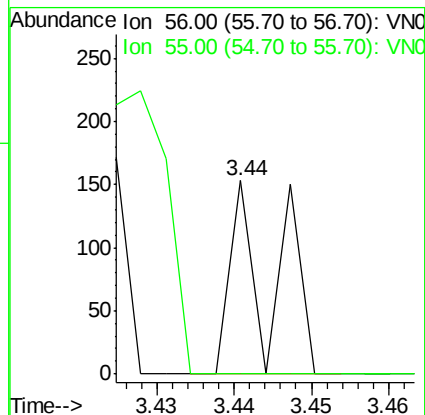
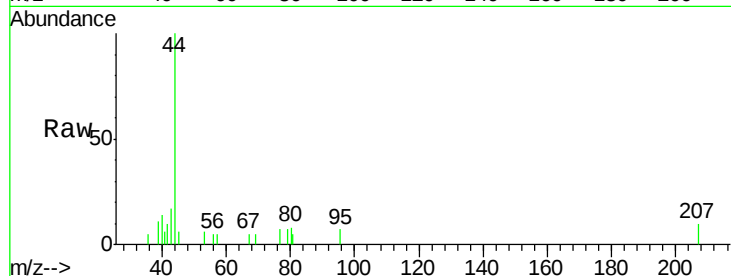
BP-TT-BPOW1-7-GW-20201116

Tot Ion: 56 Resp: 58

Ion Ratio Lower Upper

56 100

55 0.0 61.8 92.6#



#16

Acetone

Concen: 11.735 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064760.D

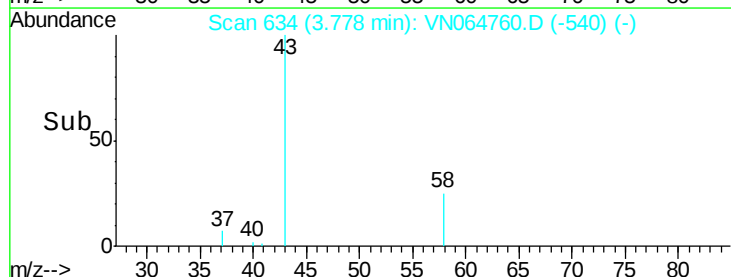
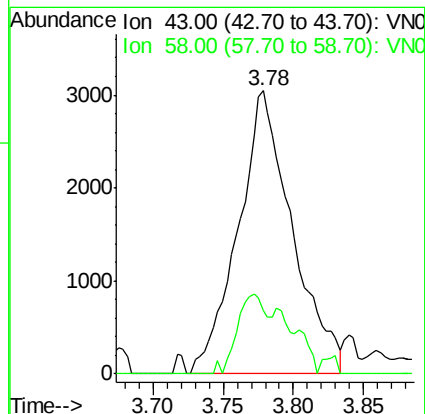
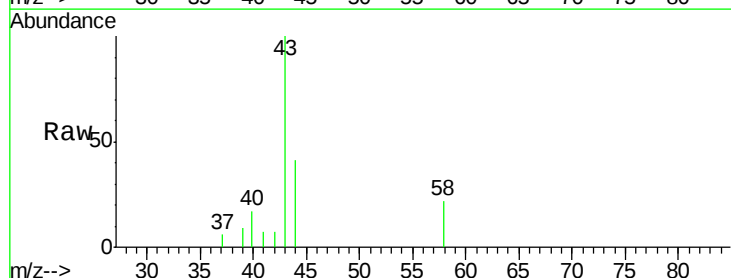
Acq: 20 Nov 2020 5:07

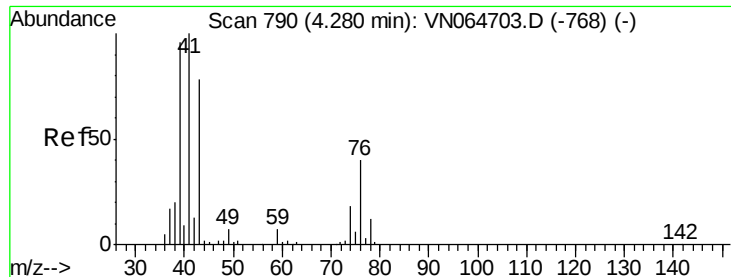
Tgt Ion: 43 Resp: 8179

Ion Ratio Lower Upper

43 100

58 22.5 21.2 31.8





#18

Methyl Acetate

Concen: 1.692 ug/l

RT: 4.29 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN064760.D

Acq: 20 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

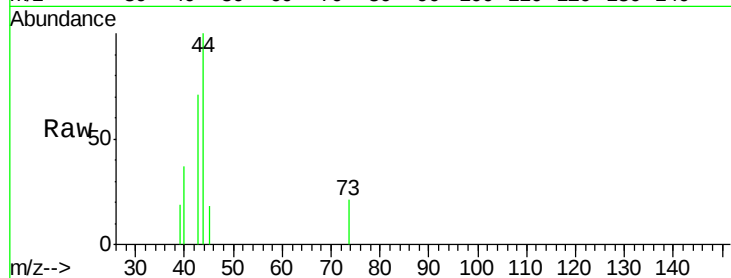
BP-TT-BPOW1-7-GW-20201116

Tot Ion: 43 Resp: 1339

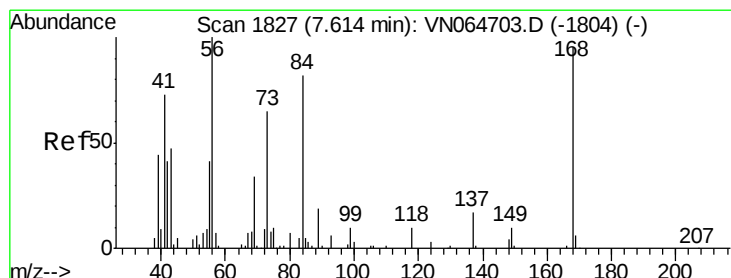
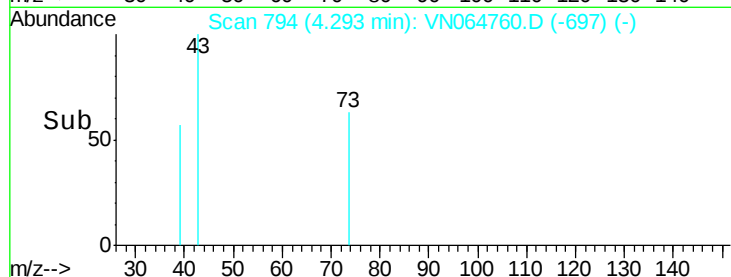
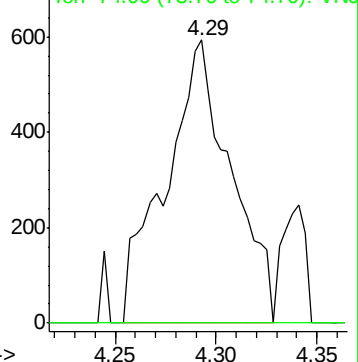
Ion Ratio Lower Upper

43 100

74 0.0 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VN064760.D (-697) (-)



#31

Cyclohexane

Concen: 1.232 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN064760.D

Acq: 20 Nov 2020 5:07

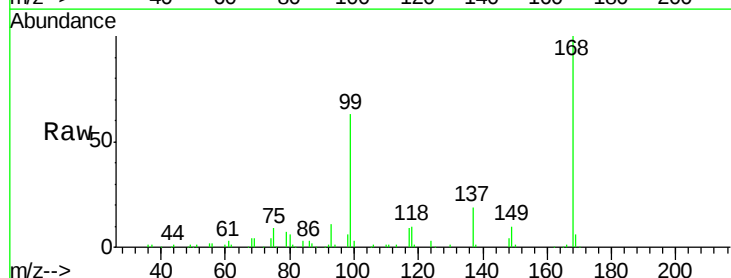
Tgt Ion: 56 Resp: 6612

Ion Ratio Lower Upper

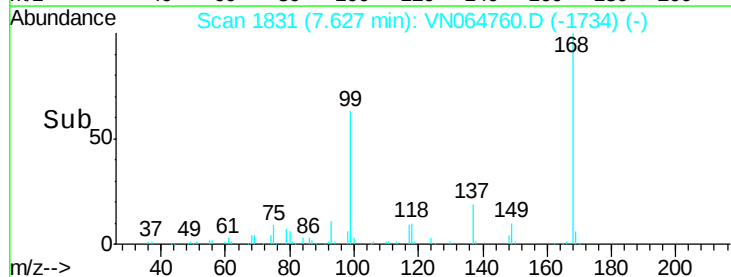
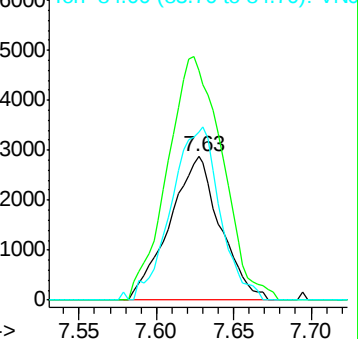
56 100

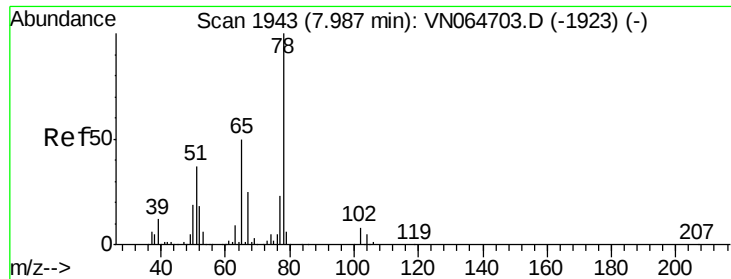
69 160.0 27.2 40.8#

84 117.1 65.9 98.9#



Abundance Ion 56.00 (55.70 to 56.70): VN064760.D (-1734) (-)

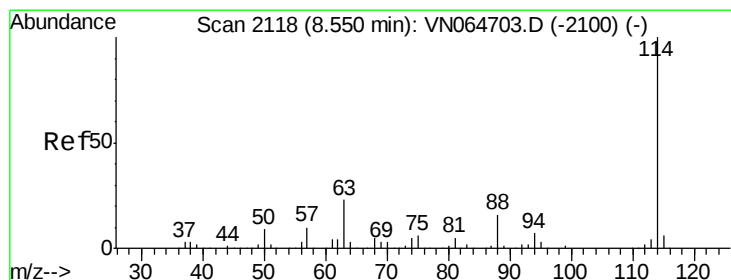
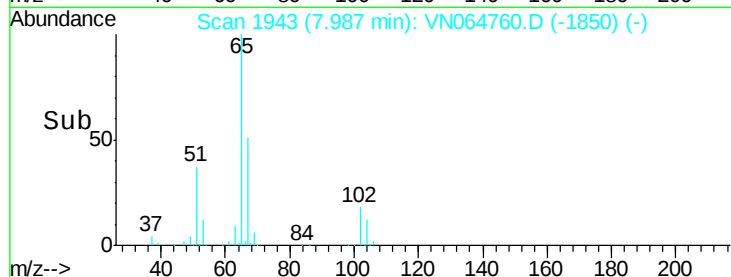
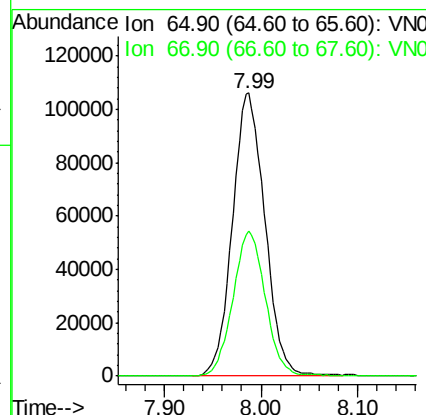
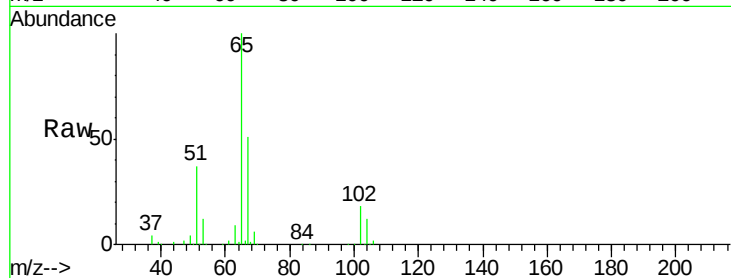




#33
 1,2-Dichloroethane-d4
 Concen: 49.799 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064760.D
 Acq: 20 Nov 2020 5:07

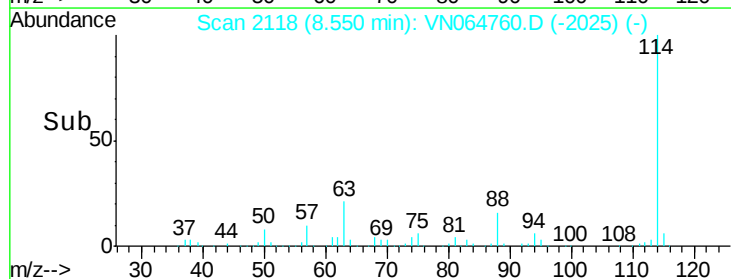
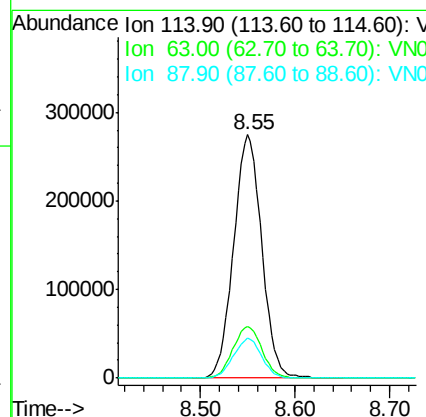
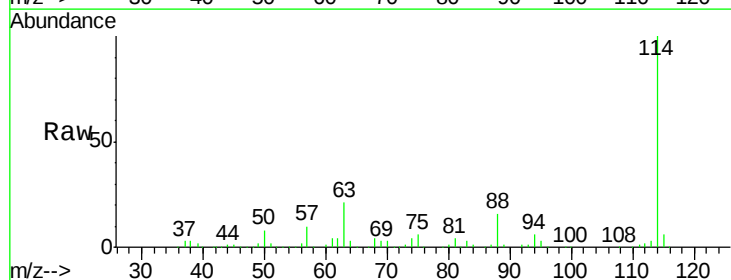
Instrument :
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 ClientSampleId :
 BP-TT-BPOW1-7-GW-20201116

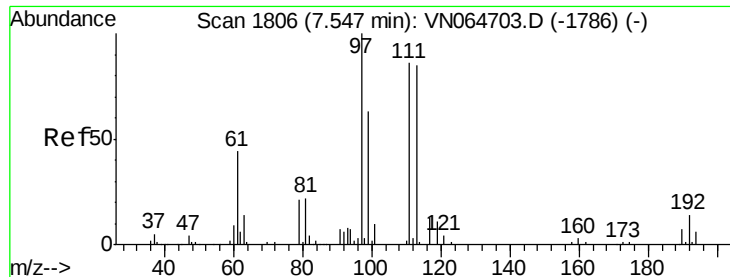
Tot Ion: 65 Resp: 247233
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064760.D
 Acq: 20 Nov 2020 5:07

Tgt Ion: 114 Resp: 567045
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 46.0
 88 16.3 0.0 31.2

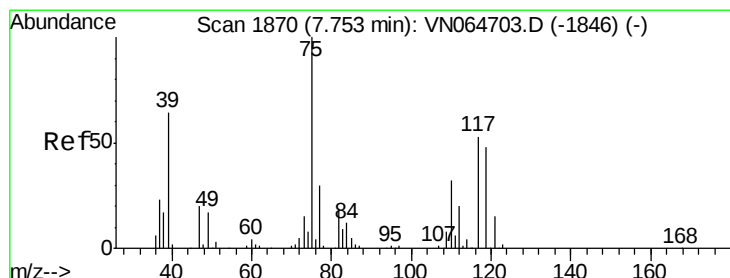
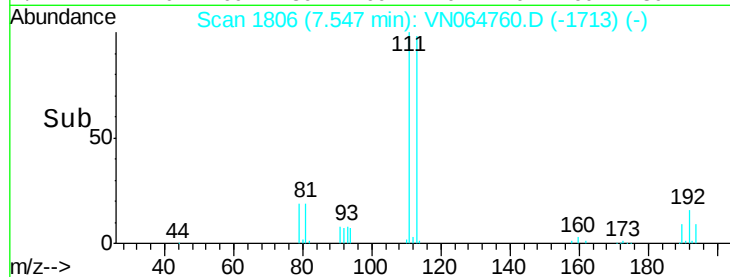
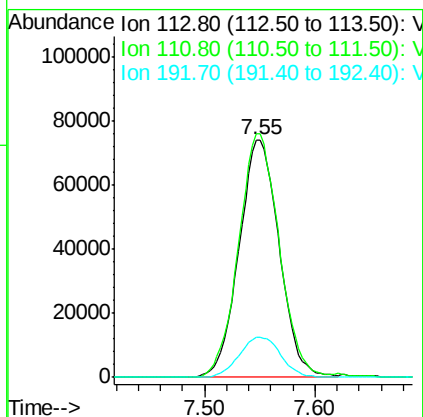
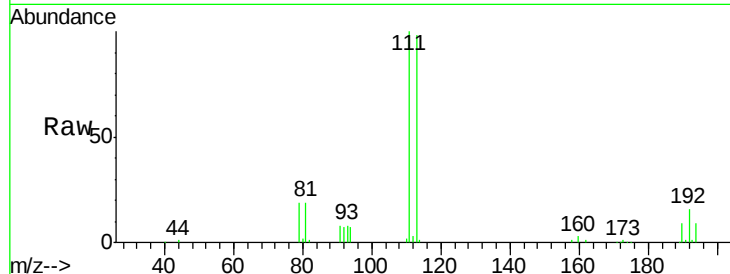




#35
 Dibromofluoromethane
 Concen: 57.968 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064760.D
 Acq: 20 Nov 2020 5:07

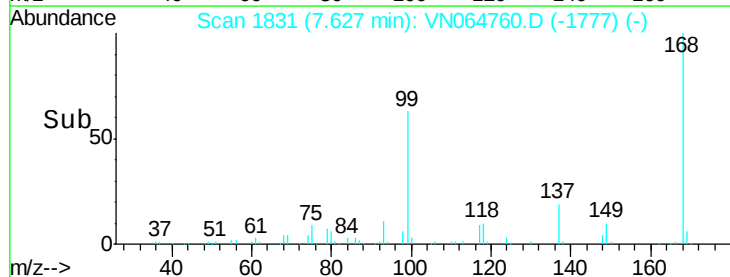
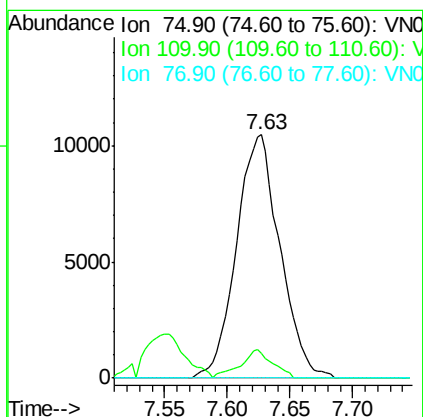
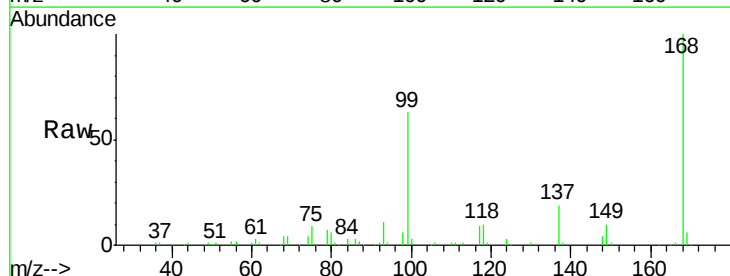
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 MSVOA_N
 ClientSampleId :
 BP-TT-BPOW1-7-GW-20201116

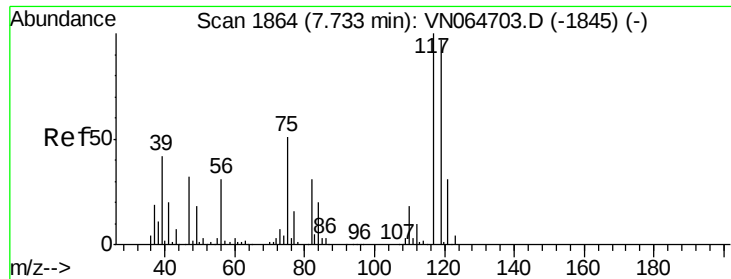
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	17.5	12.7	19.1



#36
 1,1-Dichloropropene
 Concen: 4.330 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064760.D
 Acq: 20 Nov 2020 5:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.2	48.6#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 4.696 ug/l

RT: 7.63 min Scan# 1833

Delta R.T. -0.10 min

Lab File: VN064760.D

Acq: 20 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-BPOW1-7-GW-20201116

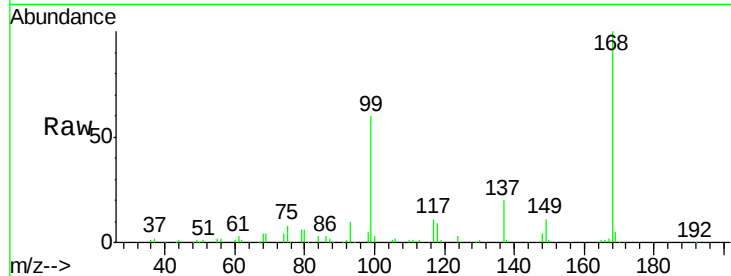
Tot Ion:117 Resp: 29112

Ion Ratio Lower Upper

117 100

119 5.4 77.8 116.6#

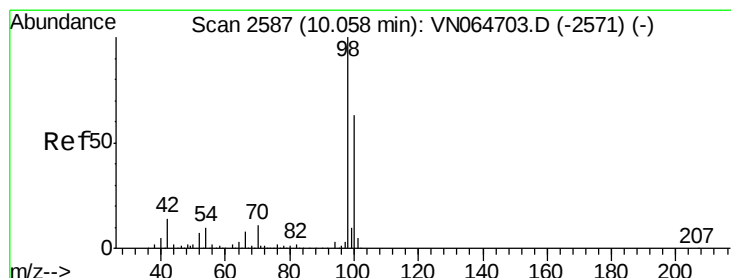
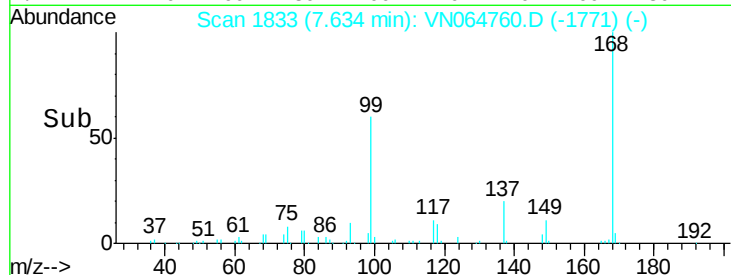
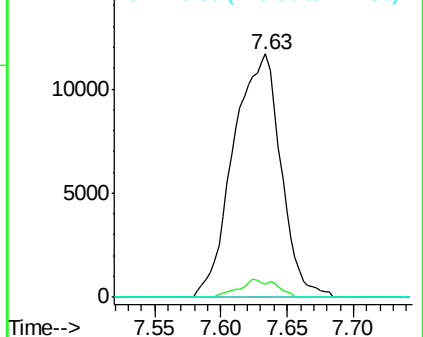
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.574 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064760.D

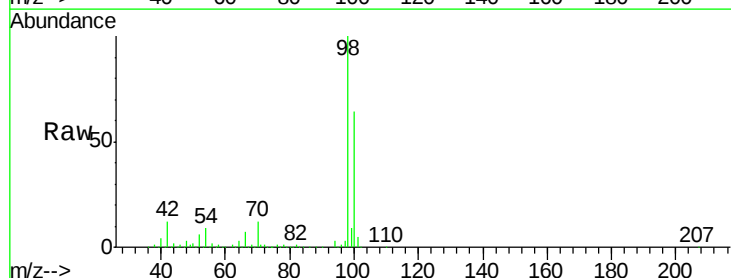
Acq: 20 Nov 2020 5:07

Tgt Ion: 98 Resp: 727162

Ion Ratio Lower Upper

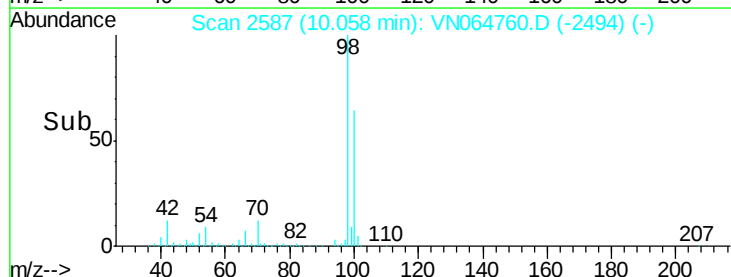
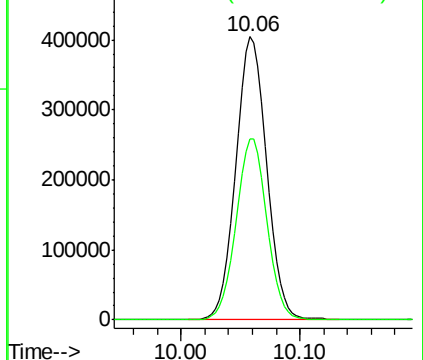
98 100

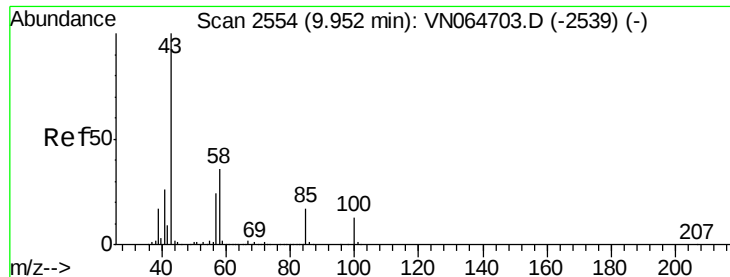
100 63.9 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

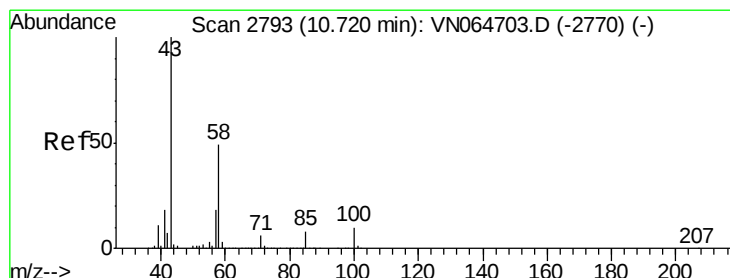
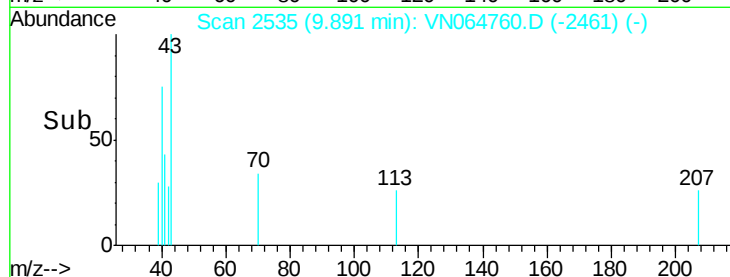
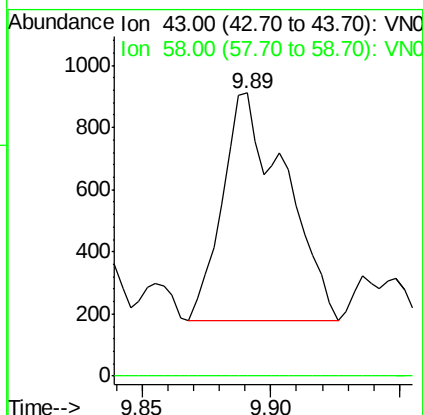
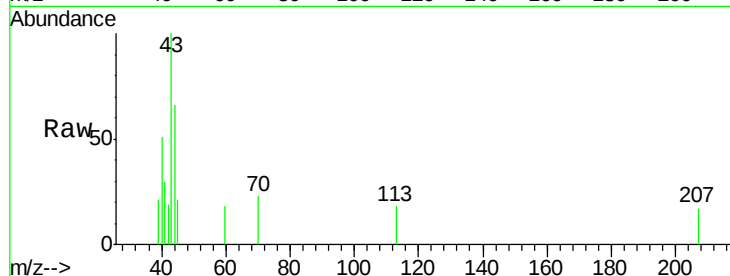




#51
 4-Methyl-2-Pentanone
 Concen: 6.344 ug/l
 RT: 9.89 min Scan# 2535
 Delta R.T. -0.06 min
 Lab File: VN064760.D
 Acq: 20 Nov 2020 5:07

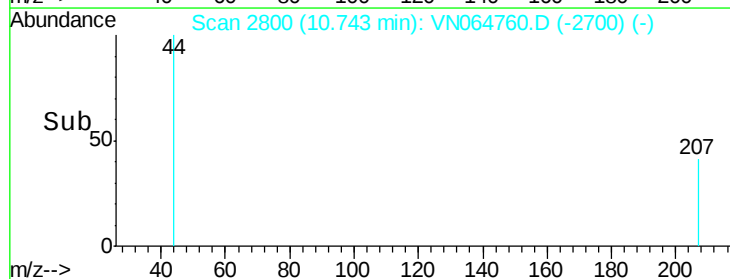
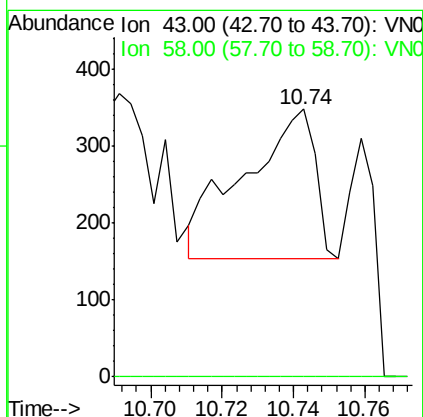
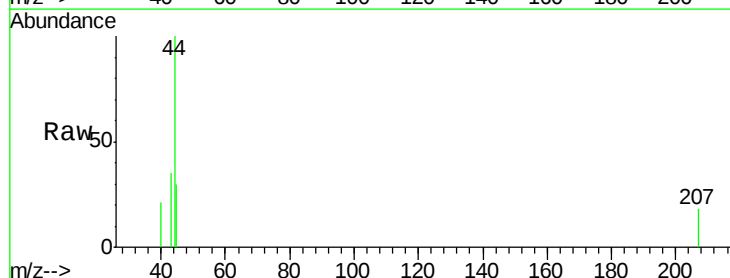
Instrument :
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 BP-TT-BPOW1-7-GW-20201116

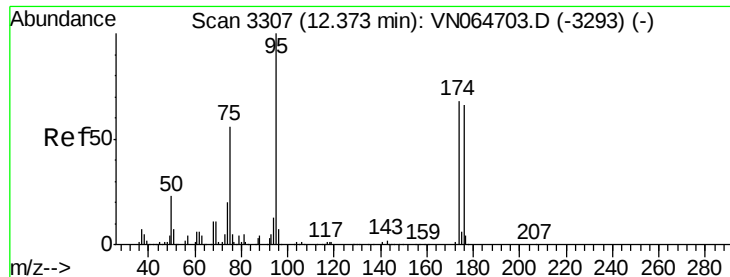
Tot Ion: 43 Resp: 1257
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.5 42.7#



#59
 2-Hexanone
 Concen: 8.501 ug/l
 RT: 10.74 min Scan# 2800
 Delta R.T. 0.02 min
 Lab File: VN064760.D
 Acq: 20 Nov 2020 5:07

Tgt Ion: 43 Resp: 268
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.4 73.4#





#62

4-Bromofluorobenzene

Concen: 50.562 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064760.D

Acq: 20 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-BPOW1-7-GW-20201116

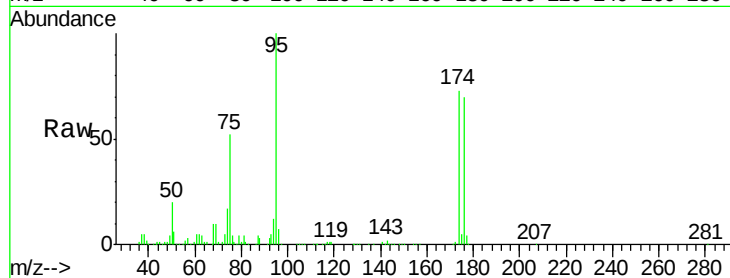
Tot Ion: 95 Resp: 277217

Ion Ratio Lower Upper

95 100

174 72.5 0.0 136.8

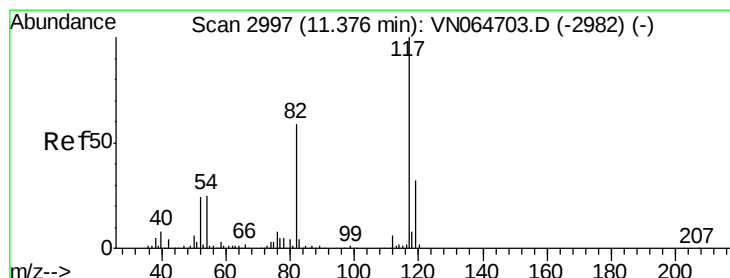
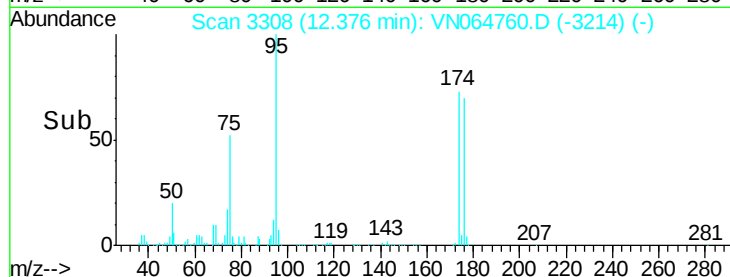
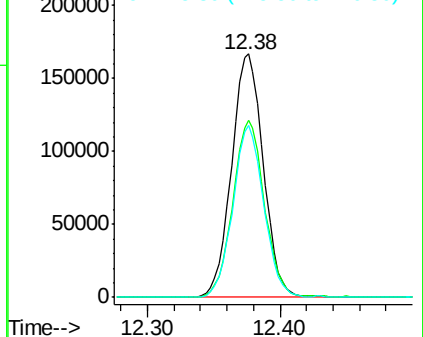
176 68.7 0.0 134.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064760.D

Acq: 20 Nov 2020 5:07

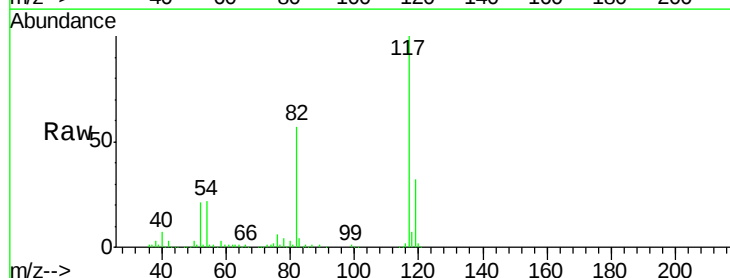
Tgt Ion: 117 Resp: 601844

Ion Ratio Lower Upper

117 100

82 56.6 47.0 70.6

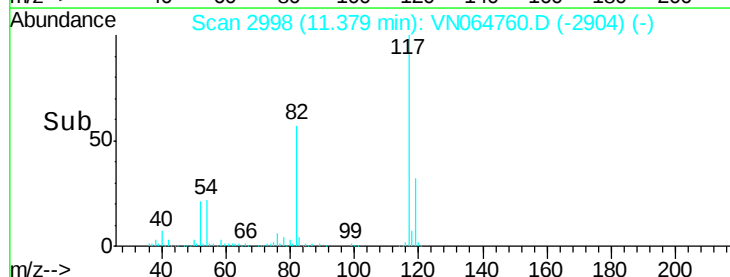
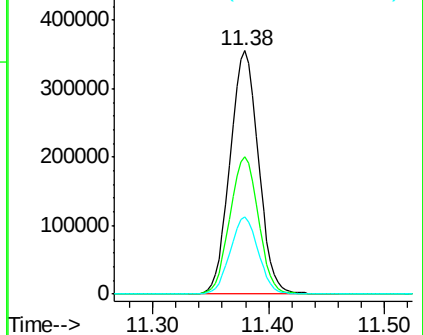
119 31.7 25.4 38.2

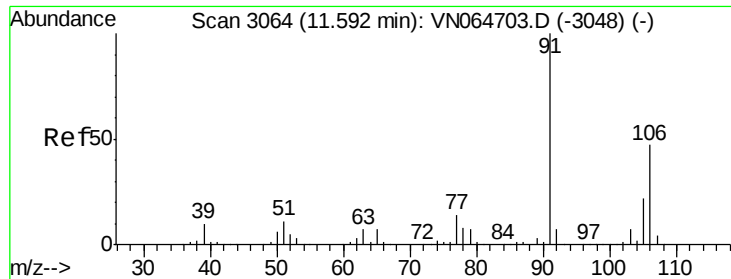


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

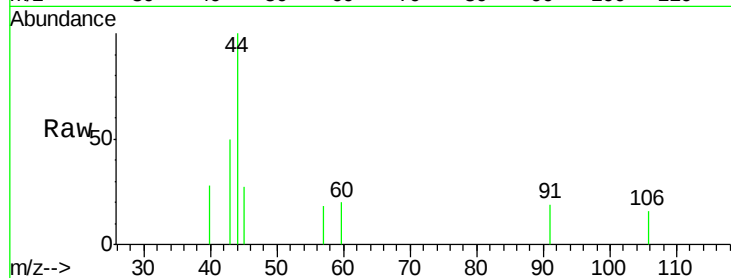




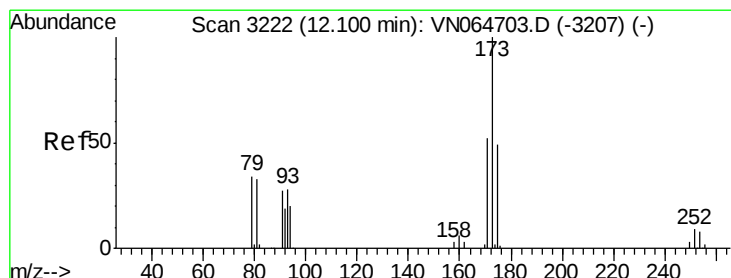
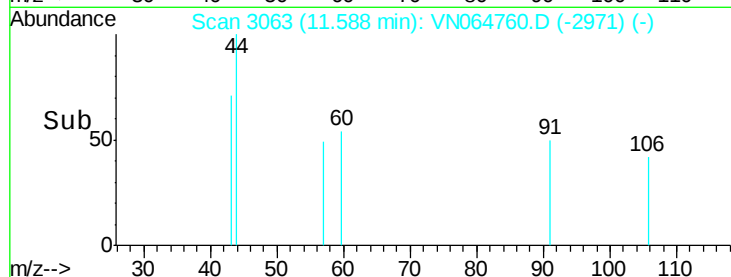
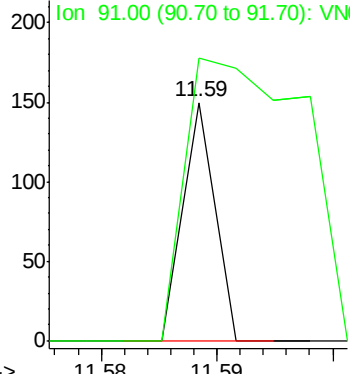
#68
m/p-Xvlenes
Concen: 4.065 ug/l
RT: 11.59 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN064760.D
Acq: 20 Nov 2020 5:07

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-BPOW1-7-GW-20201116

Tot Ion:106 Resp: 29
Ion Ratio Lower Upper
106 100
91 434.5 171.9 257.9#

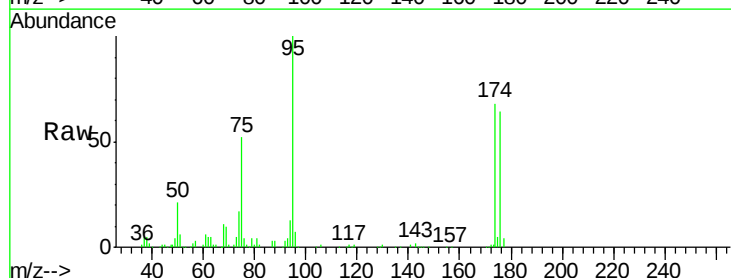


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

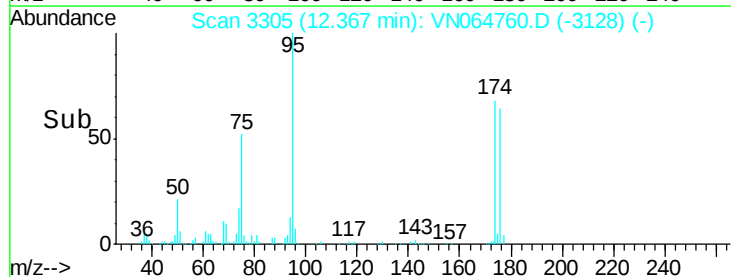
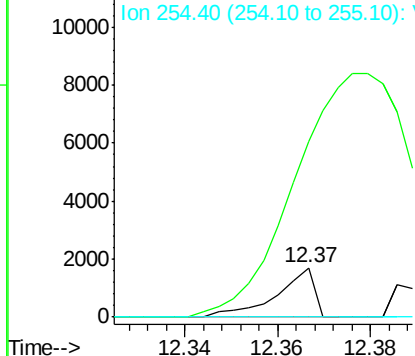


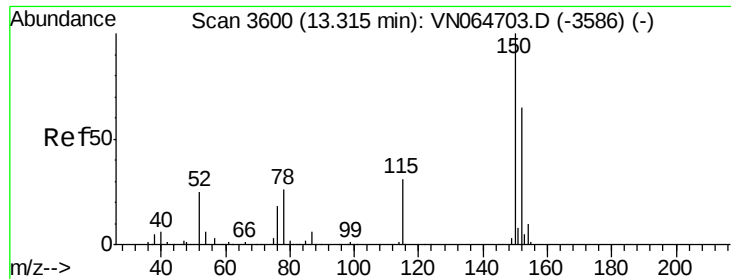
#71
Bromoform
Concen: 2.691 ug/l
RT: 12.37 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN064760.D
Acq: 20 Nov 2020 5:07

Tgt Ion:173 Resp: 954
Ion Ratio Lower Upper
173 100
175 1317.9 24.3 72.9#
254 0.0 0.1 0.1#



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: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064760.D

Acq: 20 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-BPOW1-7-GW-20201116

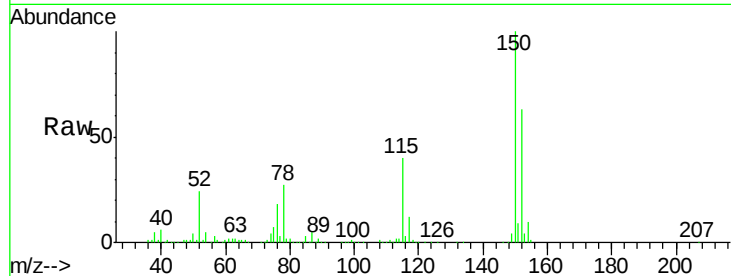
Tot Ion:152 Resp: 245998

Ion Ratio Lower Upper

152 100

115 63.8 32.1 96.3

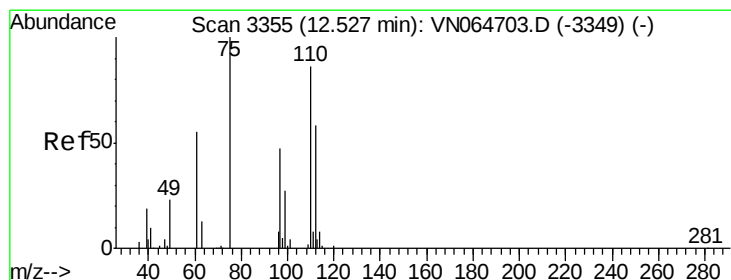
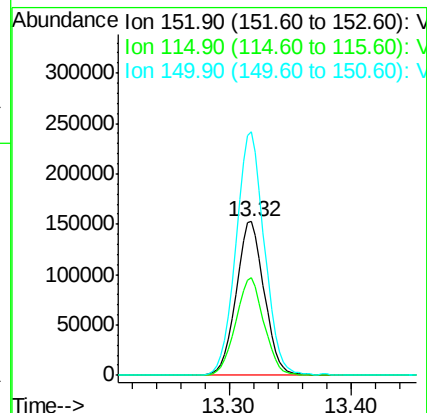
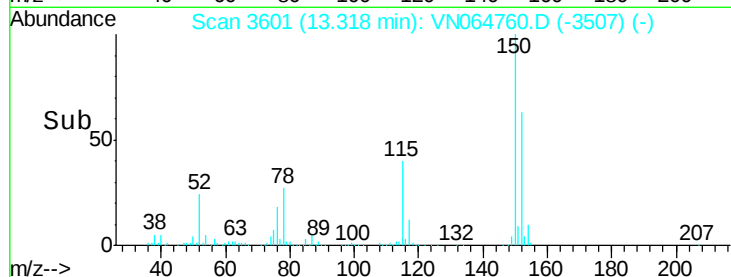
150 159.1 0.0 344.8



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



#76

1,2,3-Trichloropropane

Concen: 27.259 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064760.D

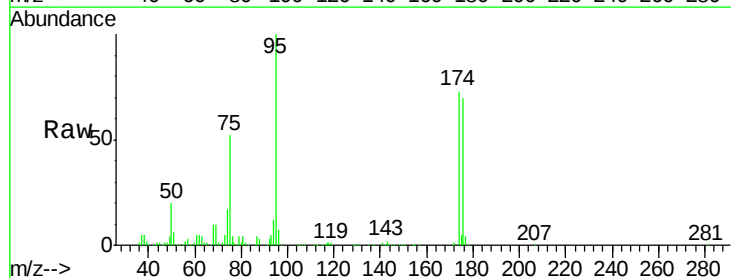
Acq: 20 Nov 2020 5:07

Tgt Ion: 75 Resp: 144484

Ion Ratio Lower Upper

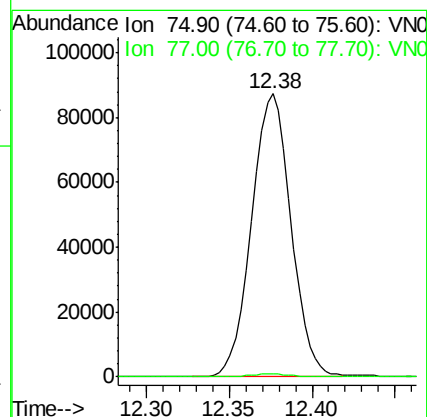
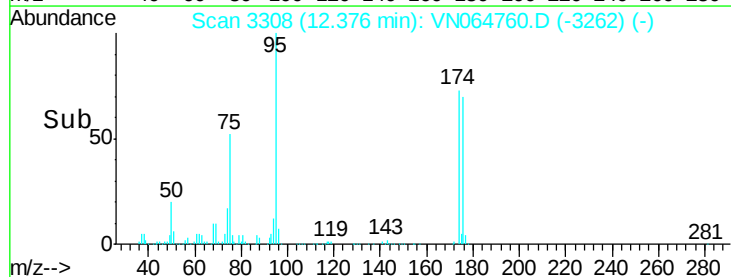
75 100

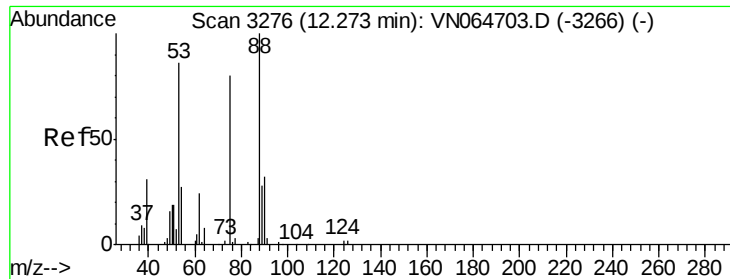
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

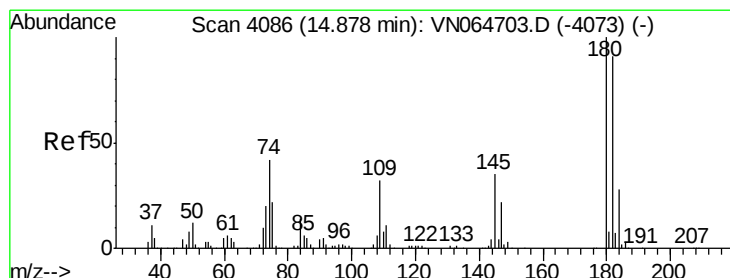
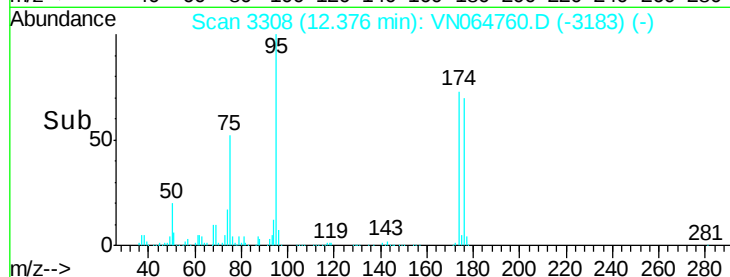
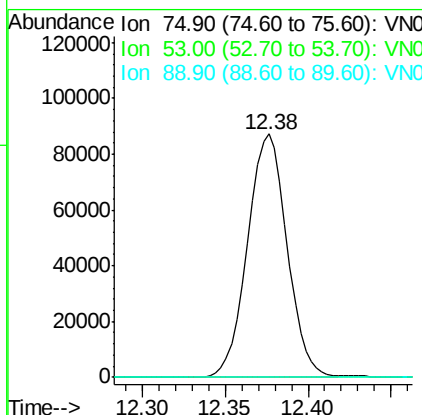
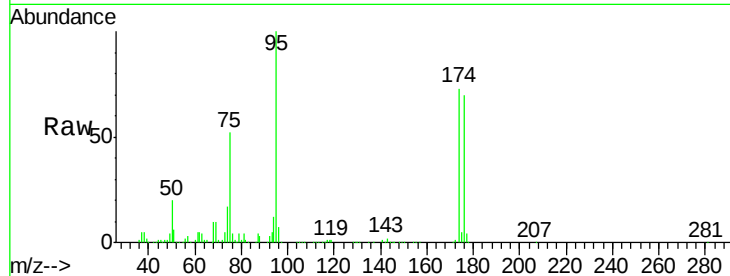




#81
trans-1,4-Dichloro-2-butene
Concen: 69.628 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064760.D
Acq: 20 Nov 2020 5:07

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-BPOW1-7-GW-20201116

Tot Ion: 75 Resp: 144484
Ion Ratio Lower Upper
75 100
53 0.1 88.8 133.2#
89 0.1 43.1 64.7#



#93
1,2,4-Trichlorobenzene
Concen: 1.357 ug/l
RT: 14.89 min Scan# 4091
Delta R.T. 0.02 min
Lab File: VN064760.D
Acq: 20 Nov 2020 5:07

Tgt Ion: 180 Resp: 109
Ion Ratio Lower Upper
180 100
182 0.0 47.3 141.8#
145 0.0 17.5 52.5#

