

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064758.D
 Acq On : 20 Nov 2020 4:19
 Operator : JC/MD
 Sample : L4788-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB-20201113

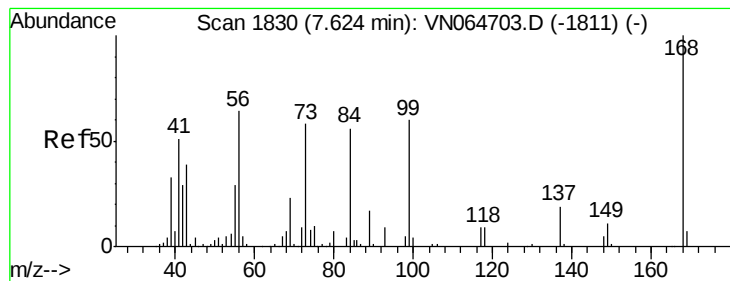
Quant Time: Nov 20 06:49:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	301993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	600835	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	628333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	269936	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	249539	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
35) Dibromofluoromethane	7.55	113	200951	58.76	ug/l	0.00
Spiked Amount			Recovery	=	117.52%	
50) Toluene-d8	10.06	98	759684	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.38	95	291275	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.57	56	59	0.489	ug/l #	68
16) Acetone	3.77	43	1859	6.481	ug/l #	85
18) Methyl Acetate	4.29	43	1496	1.708	ug/l #	54
20) Methylene Chloride	4.50	84	1118	0.284	ug/l #	72
31) Cyclohexane	7.62	56	6933	1.207	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	26212	4.240	ug/l #	47
38) Carbon Tetrachloride	7.63	117	31605	4.811	ug/l #	16
43) Isopropyl Acetate	8.22	43	4440	0.443	ug/l #	64
51) 4-Methyl-2-Pentanone	9.94	43	253	6.170	ug/l #	39
59) 2-Hexanone	10.72	43	191	8.481	ug/l #	28
68) m/p-Xylenes	11.59	106	121	4.074	ug/l #	19
71) Bromoform	12.37	173	684	2.614	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	150018	25.793	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	150018	65.966	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.87	180	72	1.347	ug/l #	12
94) Hexachlorobutadiene	14.98	225	67	Below Cal	#	47
96) 1,2,3-Trichlorobenzene	15.29	180	66	0.773	ug/l #	82

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064758.D

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ClientSampleId :

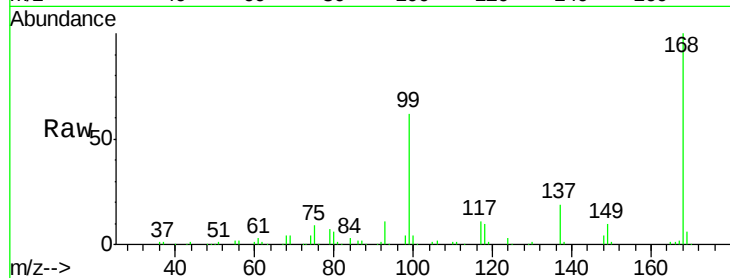
BP-TB-20201113

Tot Ion:168 Resp: 301993

Ion Ratio Lower Upper

168 100

99 61.8 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

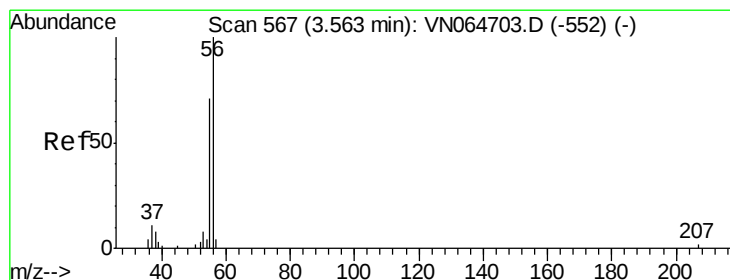
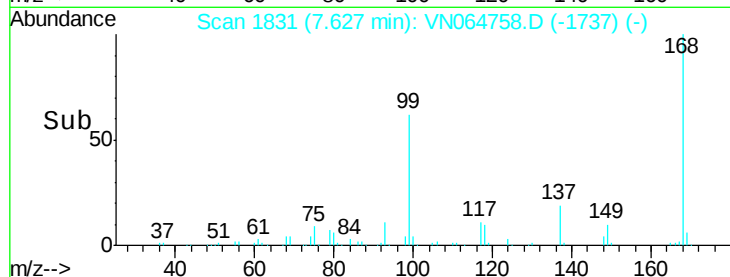
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#13

Acrolein

Concen: 0.489 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064758.D

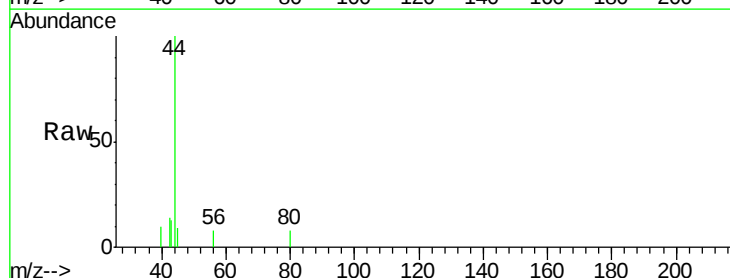
Acq: 20 Nov 2020 4:19

Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

56 100

55 105.1 61.8 92.6#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

200

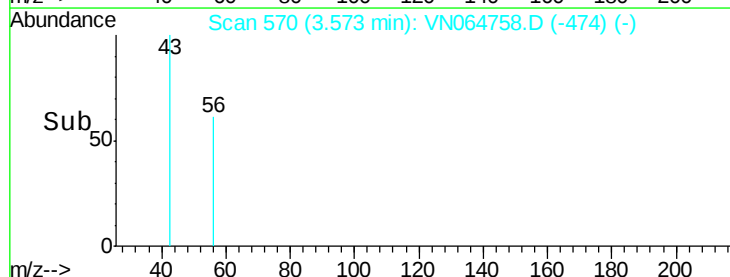
150

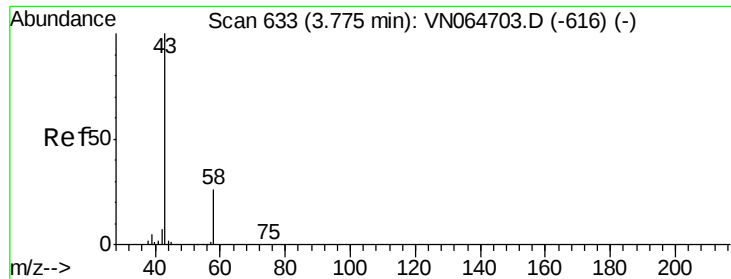
100

50

0

Time--> 3.56 3.57 3.58





#16

Acetone

Concen: 6.481 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064758.D

Acq: 20 Nov 2020 4:19

Instrument :

MSVOA_N

ClientSampleId :

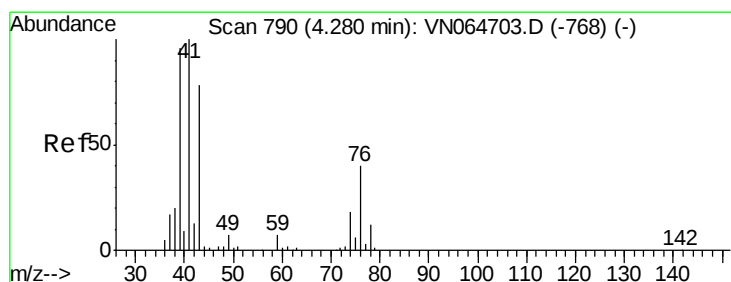
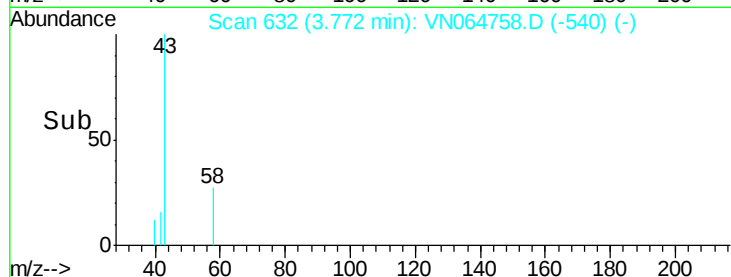
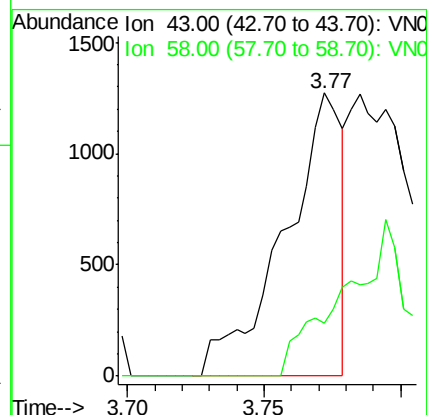
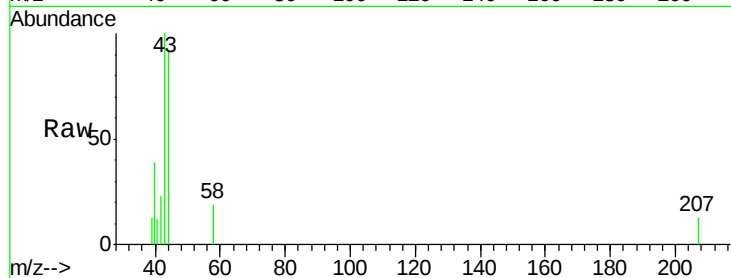
BP-TB-20201113

Tot Ion: 43 Resp: 1859

Ion Ratio Lower Upper

43 100

58 18.9 21.2 31.8#



#18

Methyl Acetate

Concen: 1.708 ug/l

RT: 4.29 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN064758.D

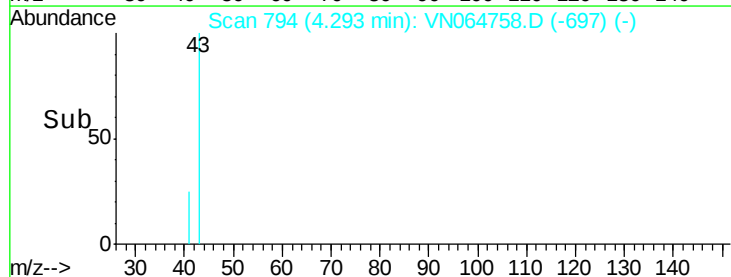
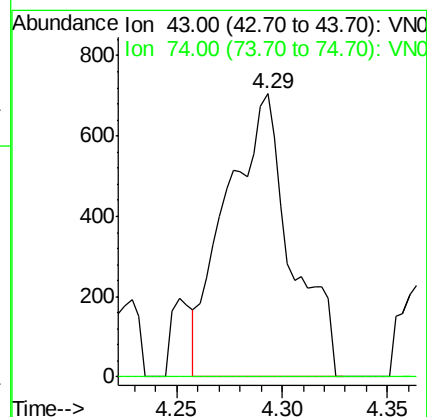
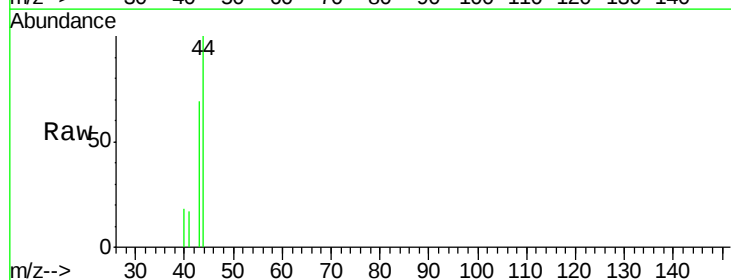
Acq: 20 Nov 2020 4:19

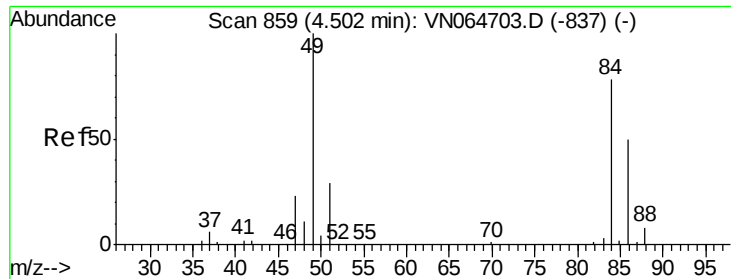
Tgt Ion: 43 Resp: 1496

Ion Ratio Lower Upper

43 100

74 0.0 17.6 26.4#

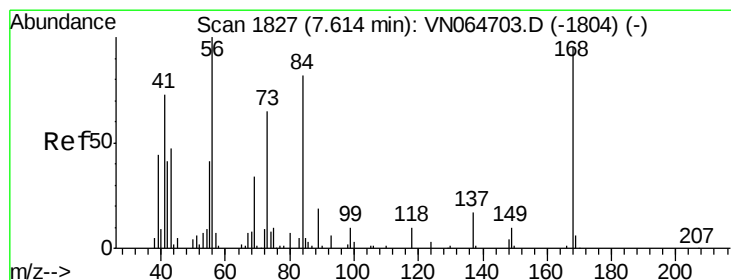
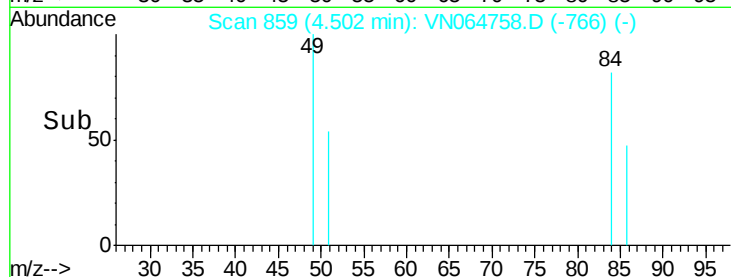
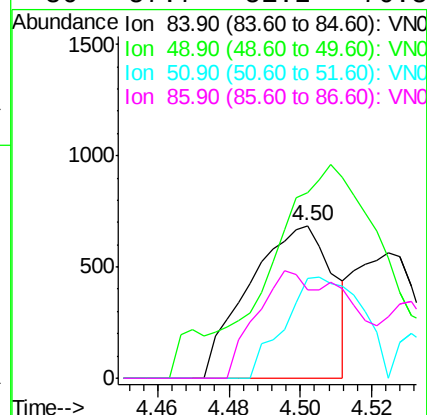
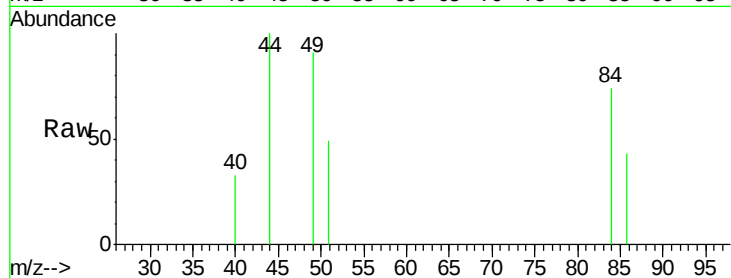




#20
Methvlene Chloride
Concen: 0.284 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064758.D
Acq: 20 Nov 2020 4:19

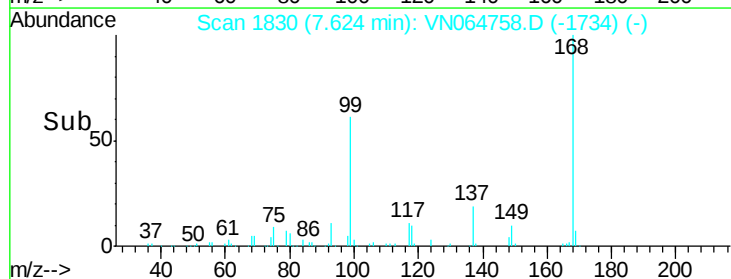
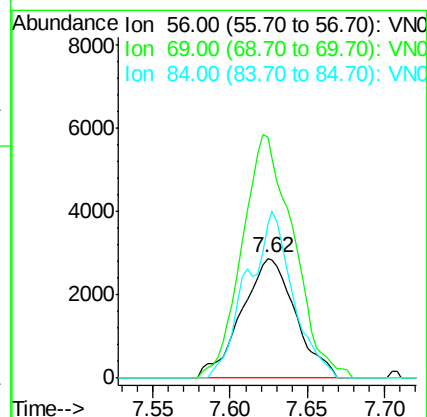
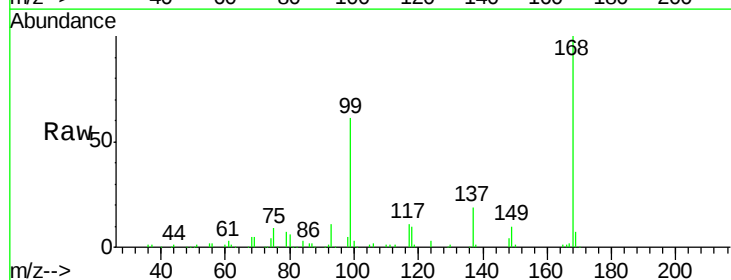
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20201113

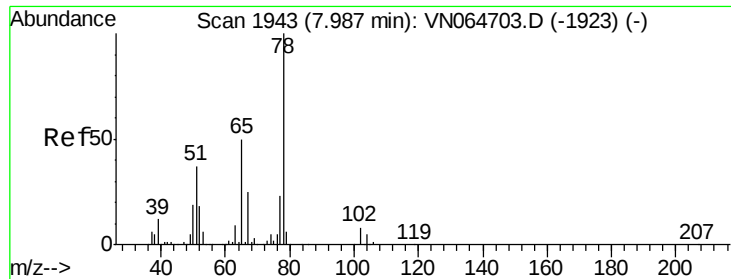
Tot Ion: 84 Resp: 1118
Ion Ratio Lower Upper
84 100
49 90.5 102.4 153.6#
51 65.7 29.4 44.2#
86 57.7 51.2 76.8



#31
Cyclohexane
Concen: 1.207 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064758.D
Acq: 20 Nov 2020 4:19

Tgt Ion: 56 Resp: 6933
Ion Ratio Lower Upper
56 100
69 201.9 27.2 40.8#
84 129.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.972 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064758.D

Acq: 20 Nov 2020 4:19

Instrument :

MSVOA_N

ClientSampleId :

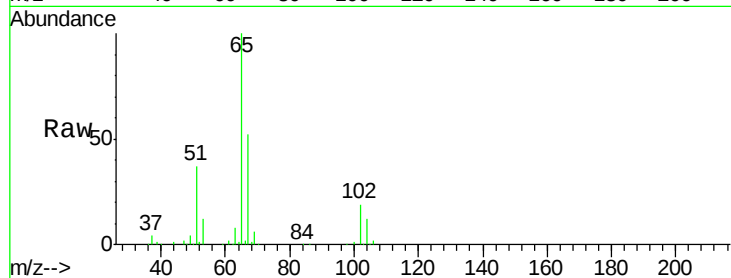
BP-TB-20201113

Tot Ion: 65 Resp: 249539

Ion Ratio Lower Upper

65 100

67 52.6 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VN064703.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN064703.D (-1923) (-)

7.99

120000

100000

80000

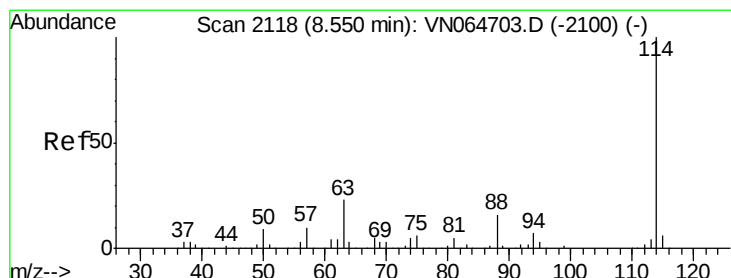
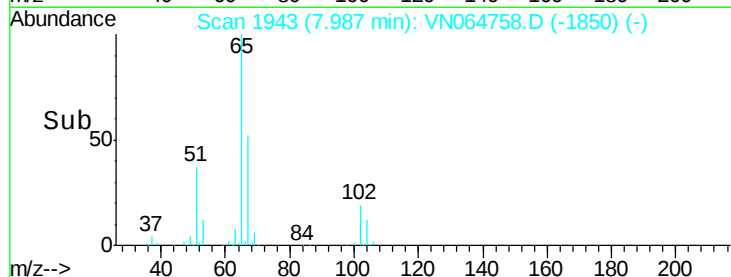
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064758.D

Acq: 20 Nov 2020 4:19

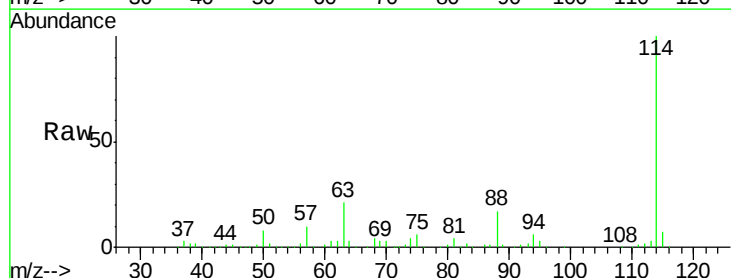
Tgt Ion: 114 Resp: 600835

Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.0

88 17.1 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN064703.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN064703.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN064703.D (-2100) (-)

8.55

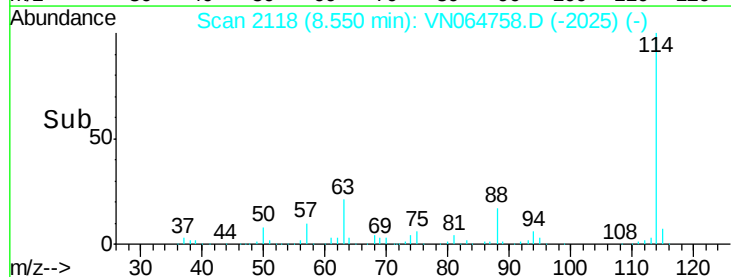
300000

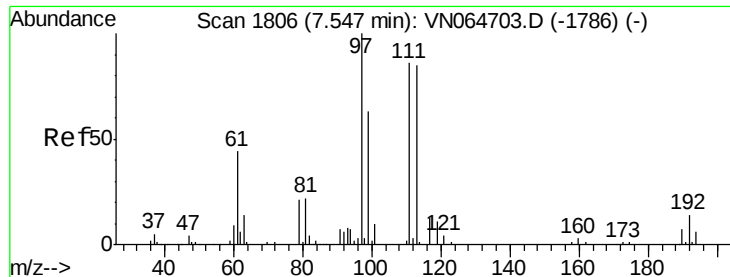
200000

100000

0

Time-->

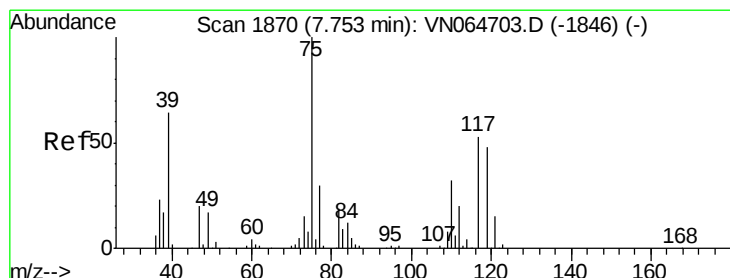
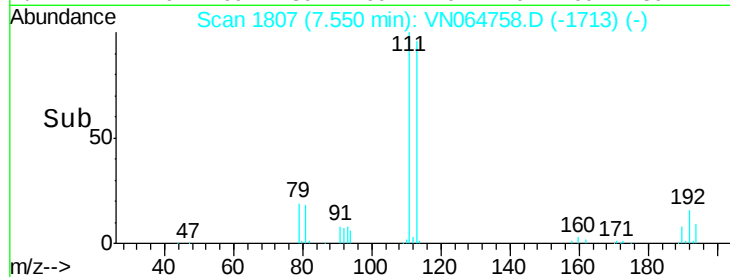
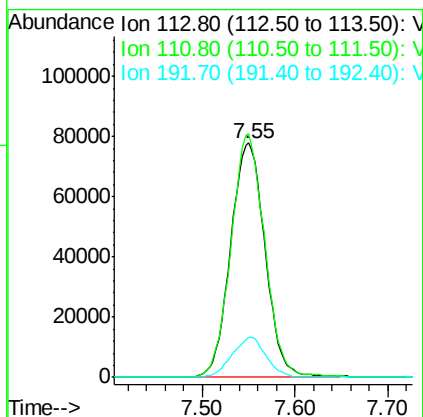
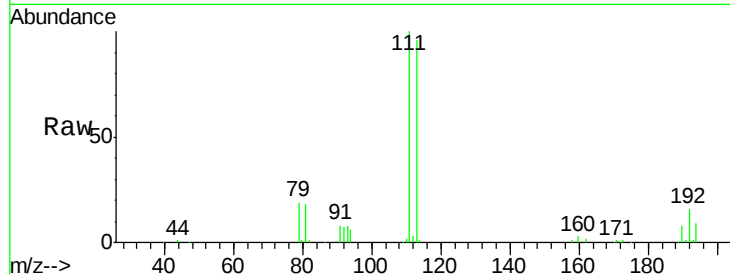




#35
 Dibromofluoromethane
 Concen: 58.761 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064758.D
 Acq: 20 Nov 2020 4:19

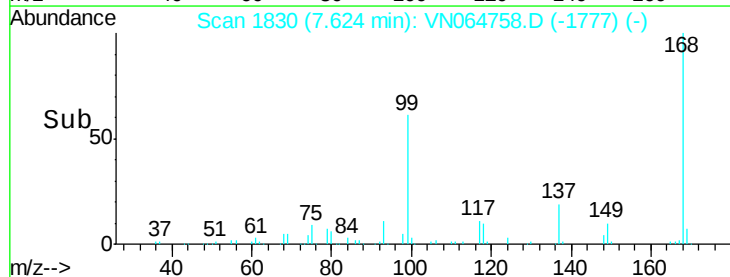
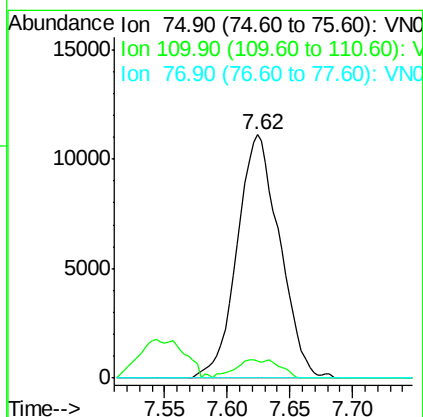
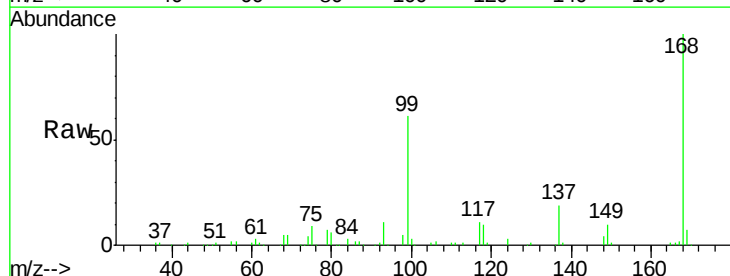
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB-20201113

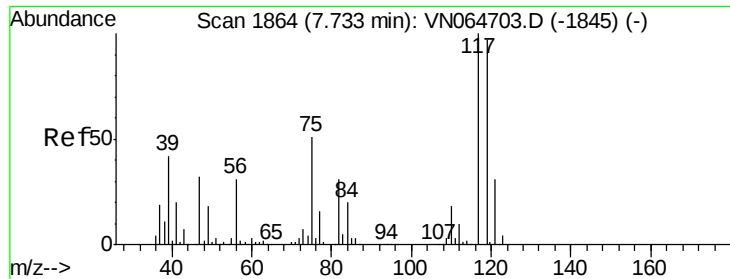
Tot Ion:113 Resp: 200951
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.2 123.4
 192 16.7 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.240 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064758.D
 Acq: 20 Nov 2020 4:19

Tgt Ion: 75 Resp: 26212
 Ion Ratio Lower Upper
 75 100
 110 4.6 16.2 48.6#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.811 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064758.D

Acq: 20 Nov 2020 4:19

Instrument :

MSVOA_N

ClientSampleId :

BP-TB-20201113

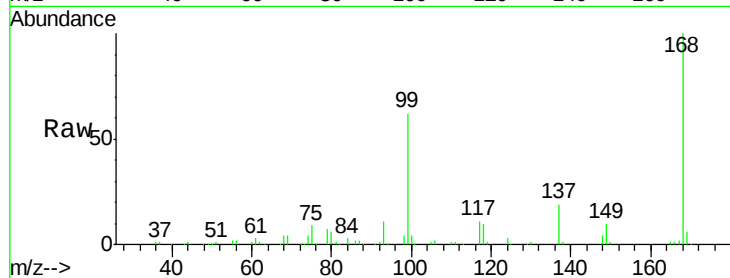
Tot Ion:117 Resp: 31605

Ion Ratio Lower Upper

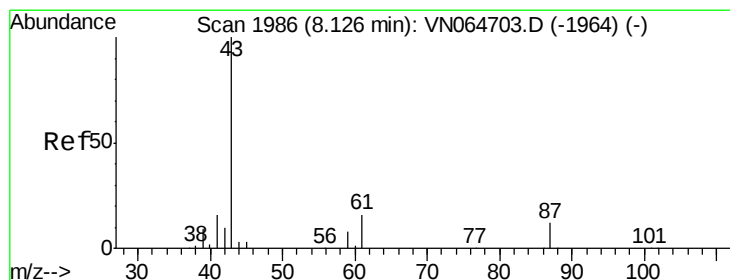
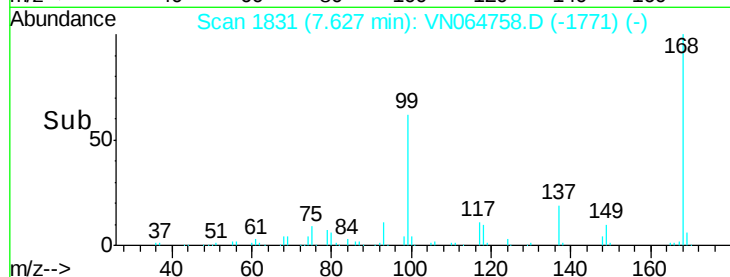
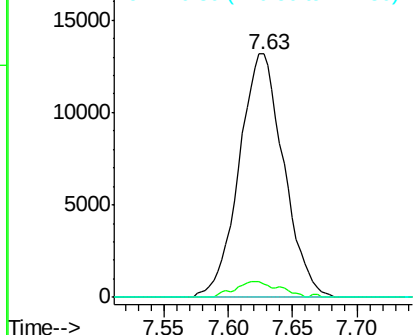
117 100

119 5.5 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



#43

Isopropyl Acetate

Concen: 0.443 ug/l

RT: 8.22 min Scan# 2014

Delta R.T. 0.09 min

Lab File: VN064758.D

Acq: 20 Nov 2020 4:19

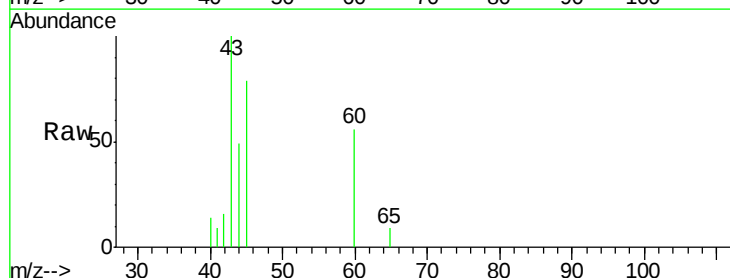
Tgt Ion: 43 Resp: 4440

Ion Ratio Lower Upper

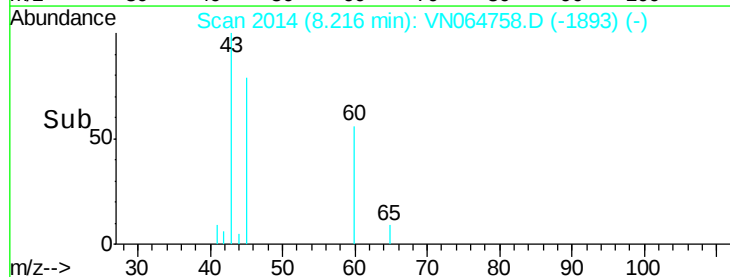
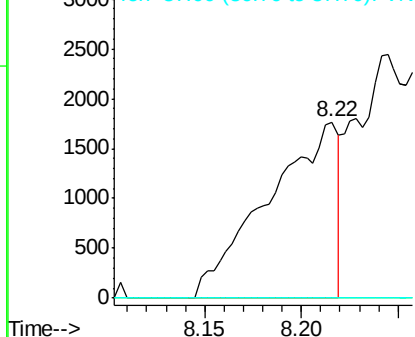
43 100

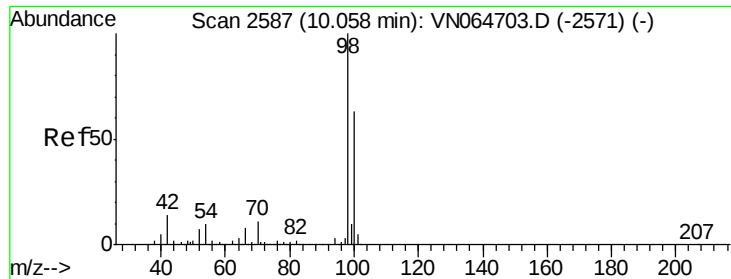
61 0.0 14.1 21.1#

87 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 48.878 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064758.D

Acq: 20 Nov 2020 4:19

Instrument :

MSVOA_N

ClientSampleId :

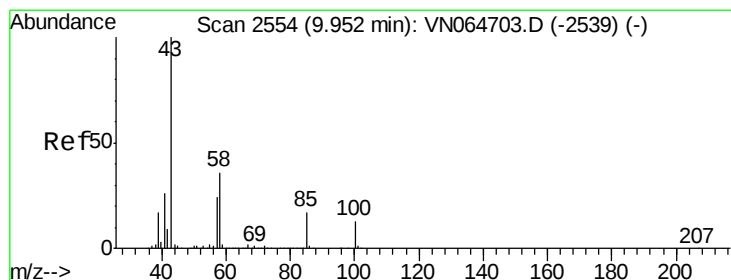
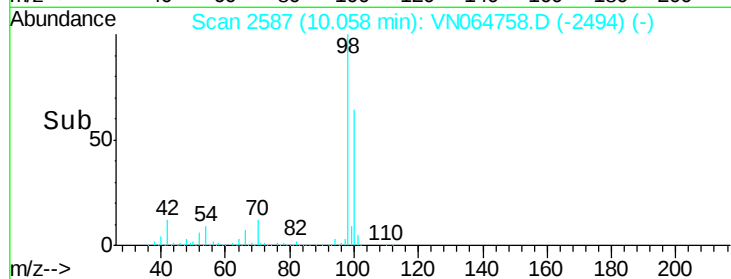
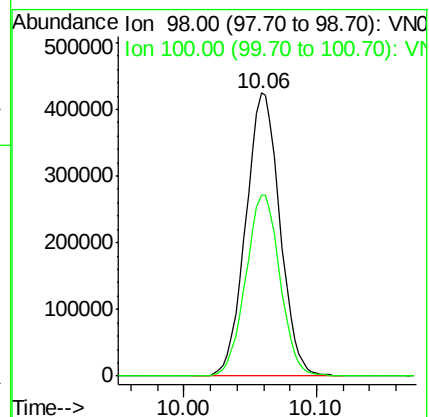
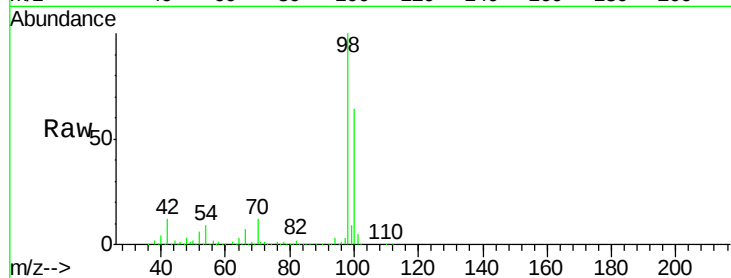
BP-TB-20201113

Tot Ion: 98 Resp: 759684

Ion Ratio Lower Upper

98 100

100 64.5 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 6.170 ug/l

RT: 9.94 min Scan# 2550

Delta R.T. -0.01 min

Lab File: VN064758.D

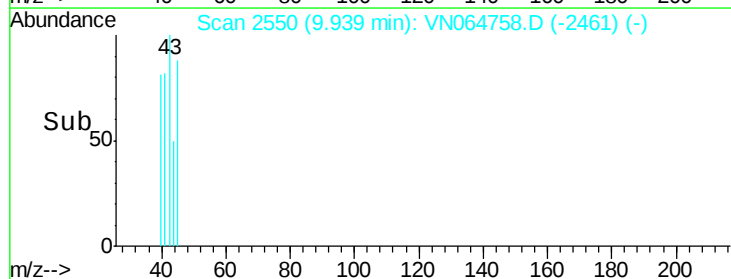
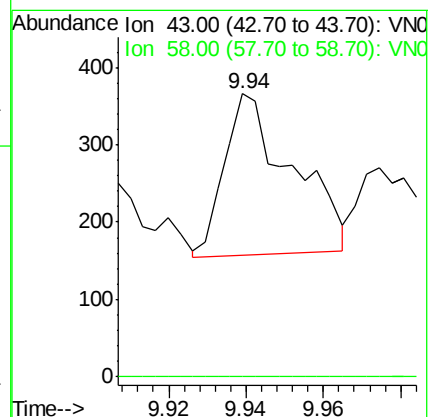
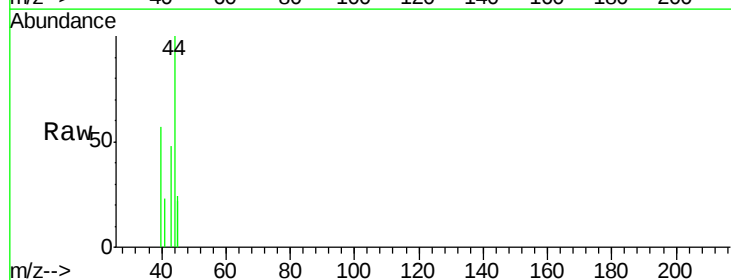
Acq: 20 Nov 2020 4:19

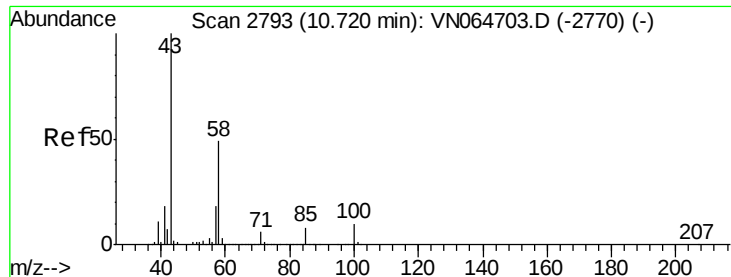
Tgt Ion: 43 Resp: 253

Ion Ratio Lower Upper

43 100

58 0.0 28.5 42.7#

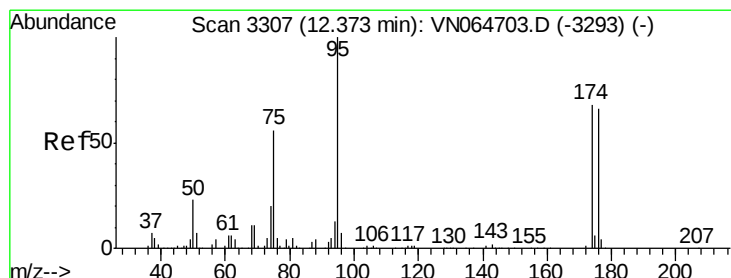
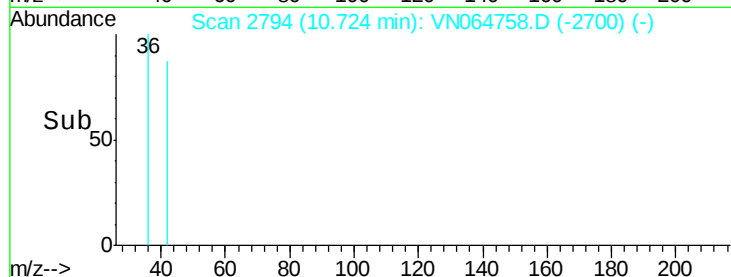
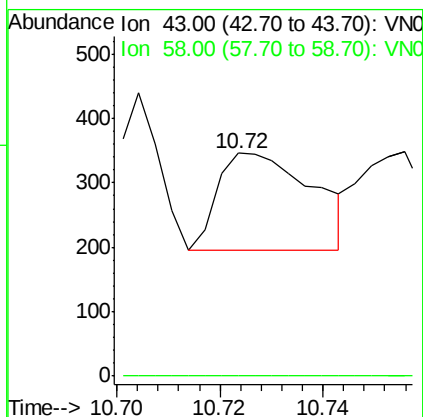
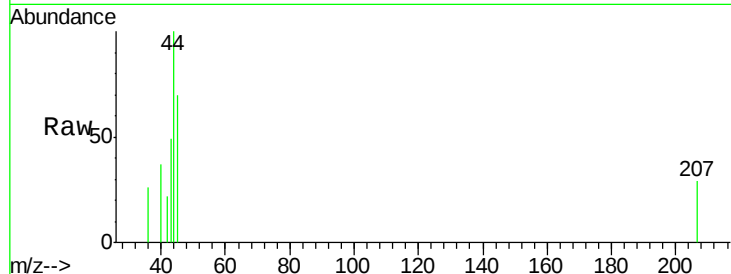




#59
2-Hexanone
Concen: 8.481 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064758.D
Acq: 20 Nov 2020 4:19

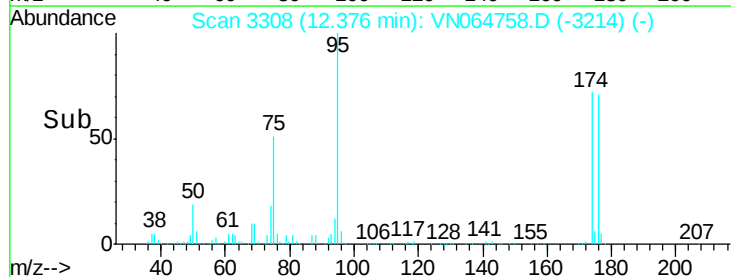
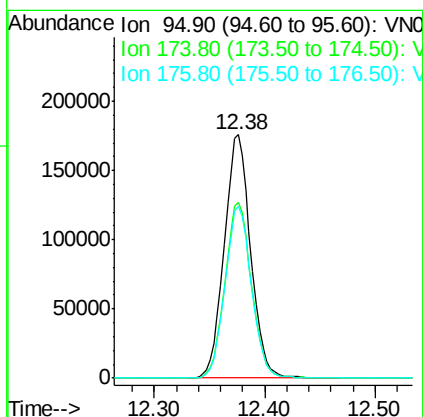
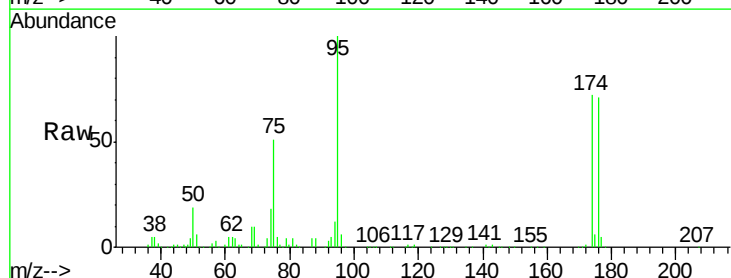
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20201113

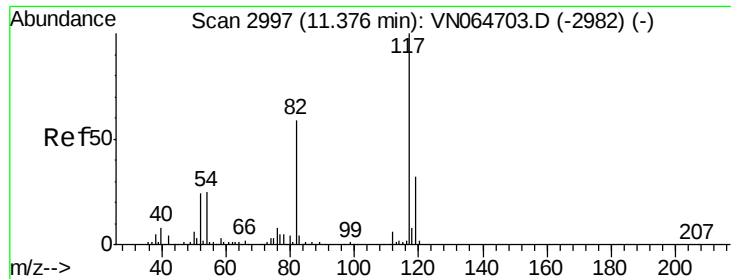
Tot Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 50.138 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064758.D
Acq: 20 Nov 2020 4:19

Tgt Ion: 95 Resp: 291275
Ion Ratio Lower Upper
95 100
174 72.6 0.0 136.8
176 70.8 0.0 134.2

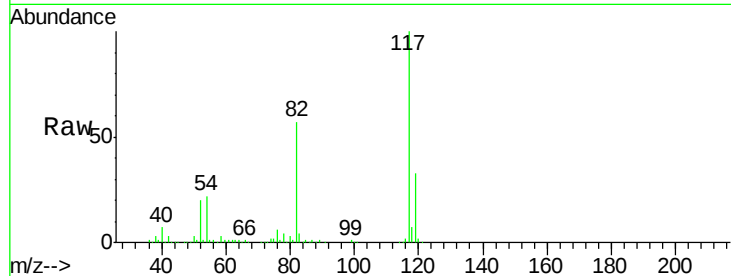




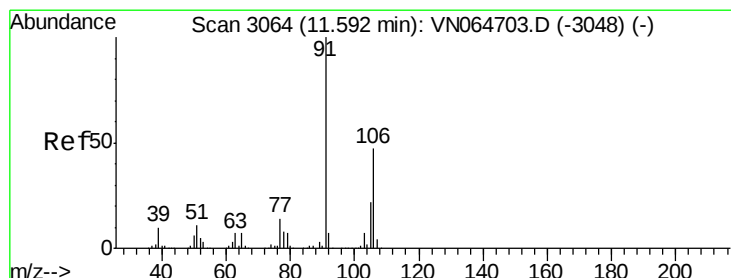
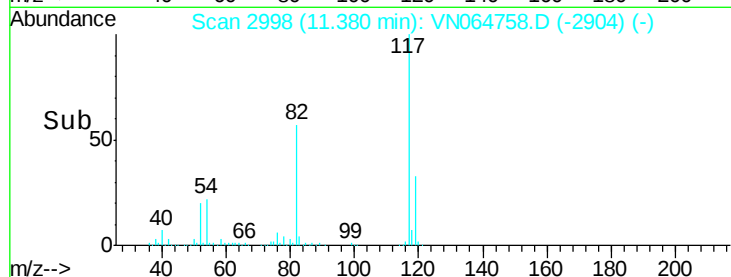
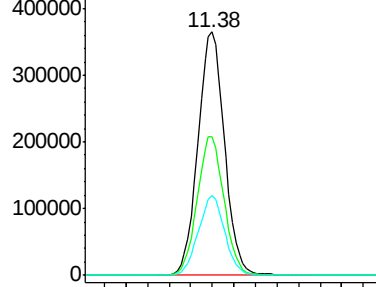
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064758.D
Acq: 20 Nov 2020 4:19

Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20201113

Tot Ion:117 Resp: 628333
Ion Ratio Lower Upper
117 100
82 56.8 47.0 70.6
119 32.7 25.4 38.2

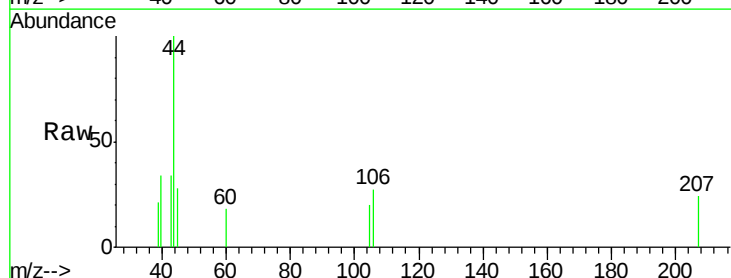


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

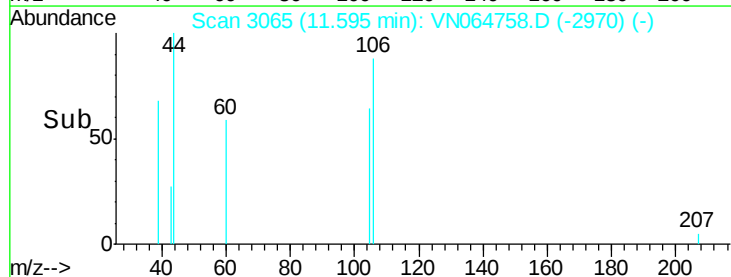
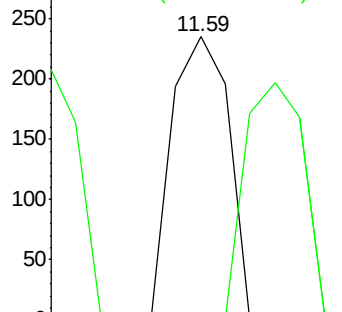


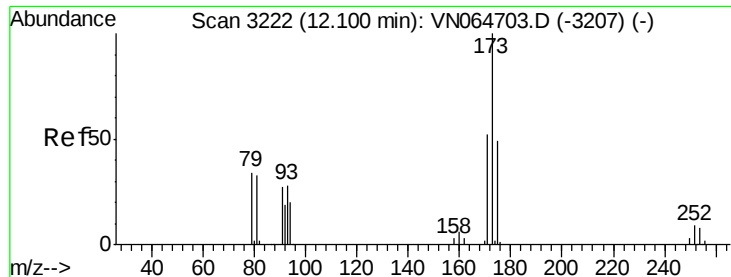
#68
m/p-Xylenes
Concen: 4.074 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064758.D
Acq: 20 Nov 2020 4:19

Tgt Ion:106 Resp: 121
Ion Ratio Lower Upper
106 100
91 86.0 171.9 257.9#



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

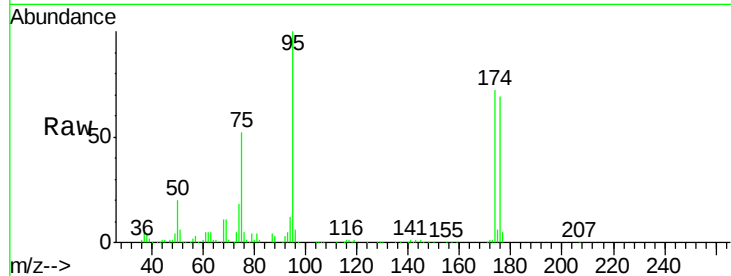




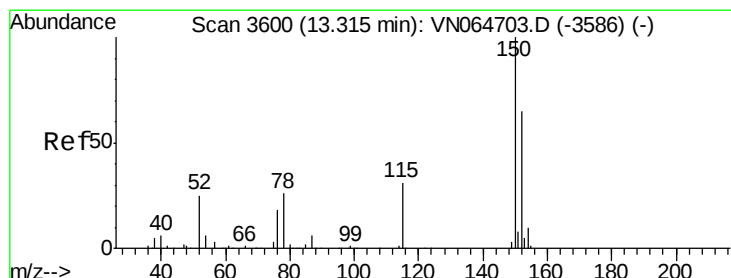
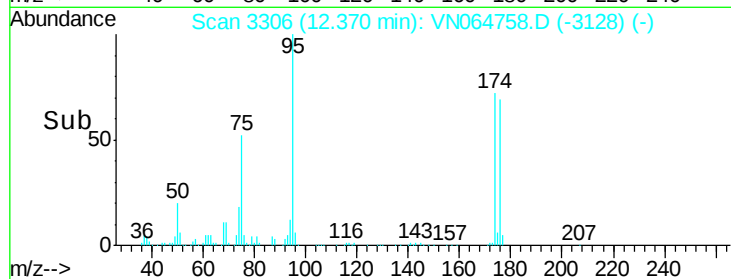
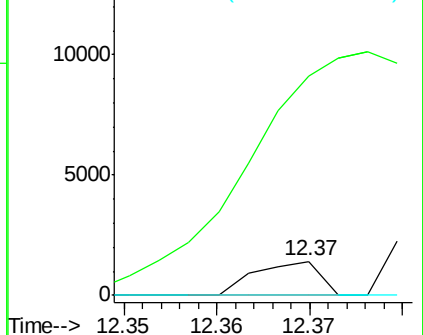
#71
Bromoform
Concen: 2.614 ug/l
RT: 12.37 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN064758.D
Acq: 20 Nov 2020 4:19

Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20201113

Tot Ion:173 Resp: 684
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.9#
254 0.0 0.1 0.1#

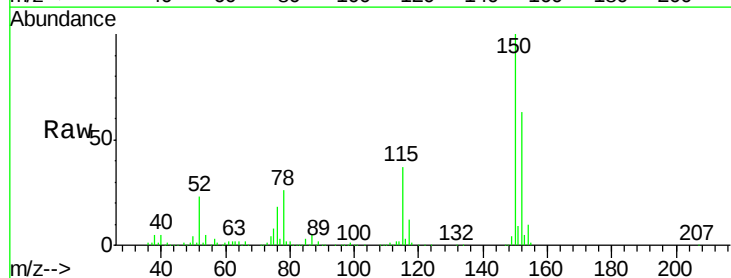


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

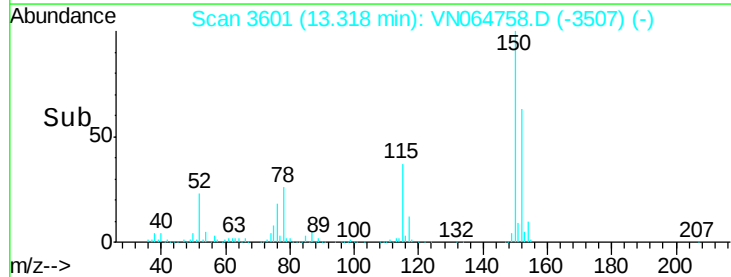
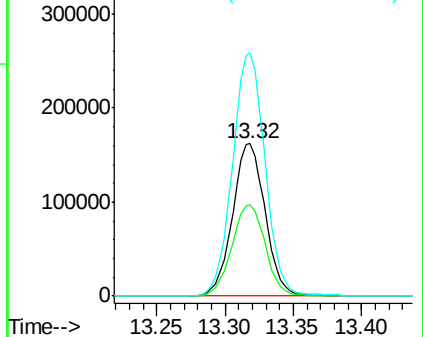


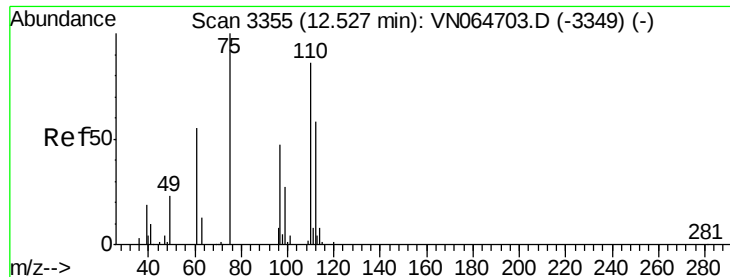
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064758.D
Acq: 20 Nov 2020 4:19

Tgt Ion:152 Resp: 269936
Ion Ratio Lower Upper
152 100
115 61.3 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: 25.793 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064758.D

Acq: 20 Nov 2020 4:19

Instrument :

MSVOA_N

ClientSampleId :

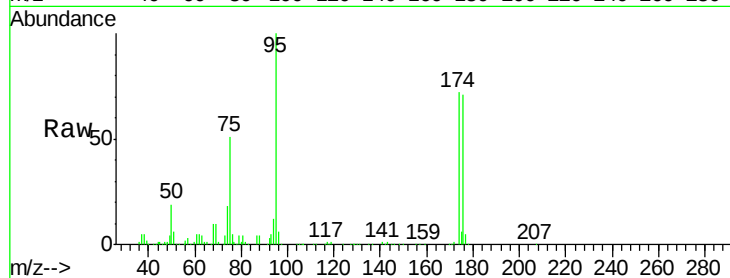
BP-TB-20201113

Tot Ion: 75 Resp: 150018

Ion Ratio Lower Upper

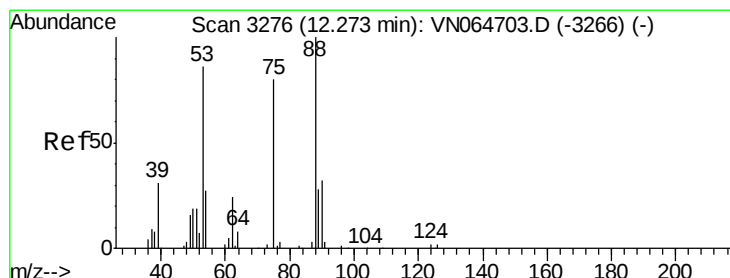
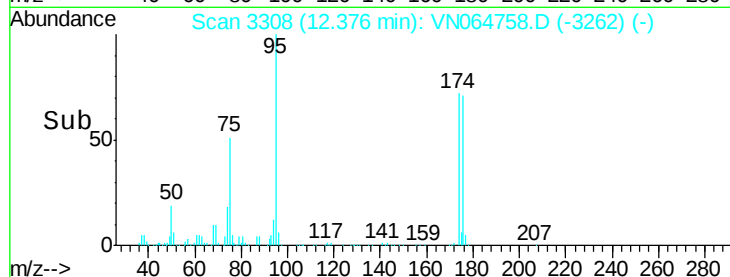
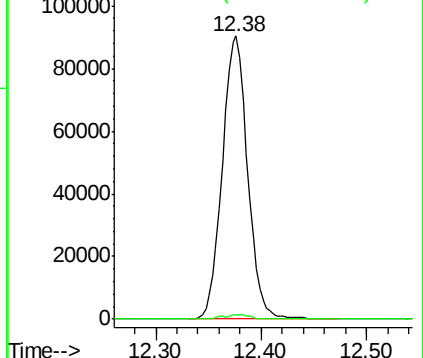
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 65.966 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064758.D

Acq: 20 Nov 2020 4:19

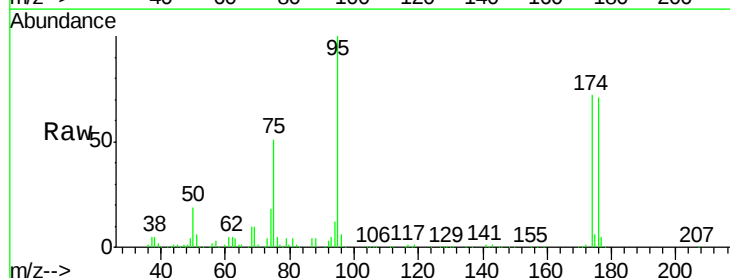
Tgt Ion: 75 Resp: 150018

Ion Ratio Lower Upper

75 100

53 0.1 88.8 133.2#

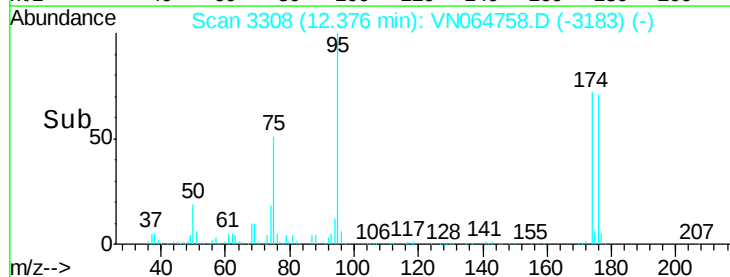
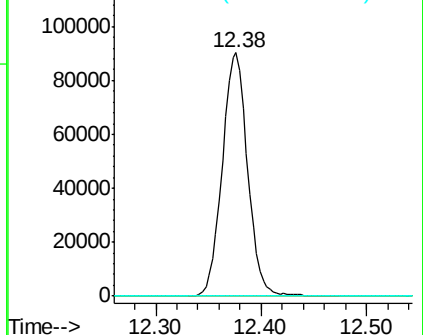
89 0.0 43.1 64.7#

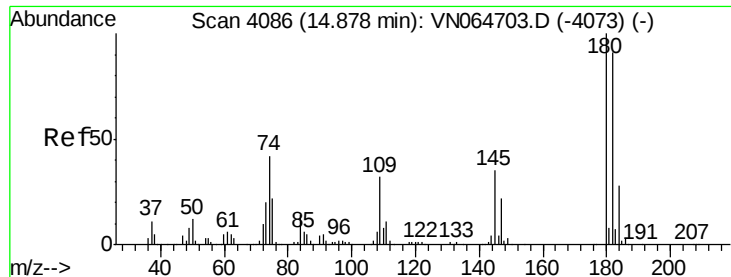


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

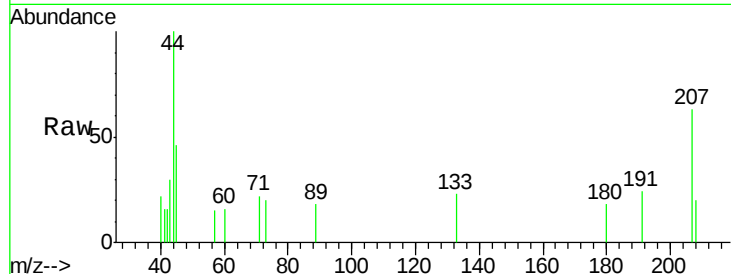




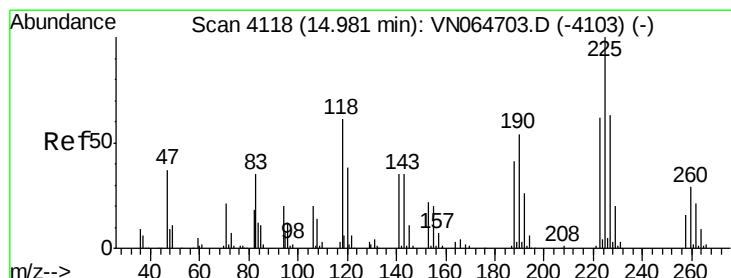
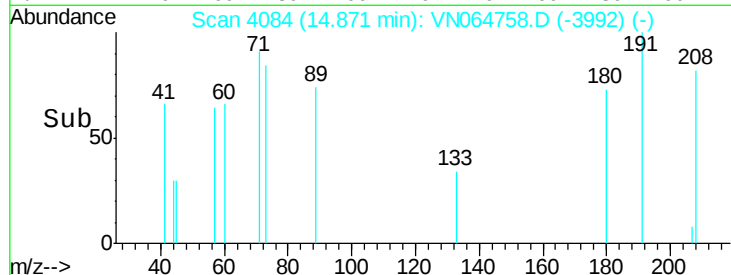
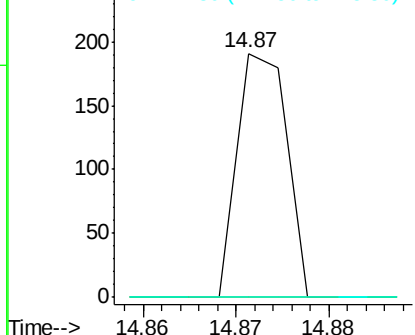
#93
 1,2,4-Trichlorobenzene
 Concen: 1.347 ug/l
 RT: 14.87 min Scan# 4084
 Delta R.T. -0.01 min
 Lab File: VN064758.D
 Acq: 20 Nov 2020 4:19

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB-20201113

Tot Ion:180 Resp: 72
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.8#
 145 0.0 17.5 52.5#

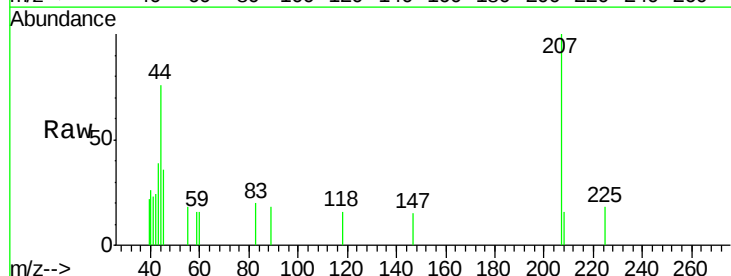


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

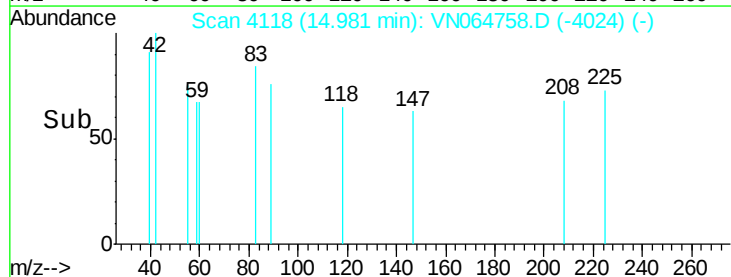
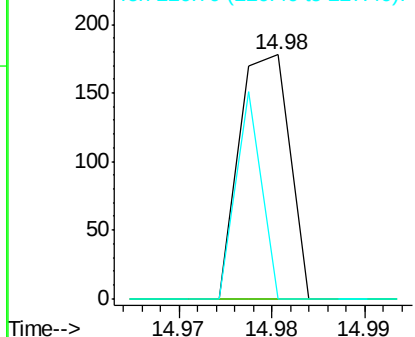


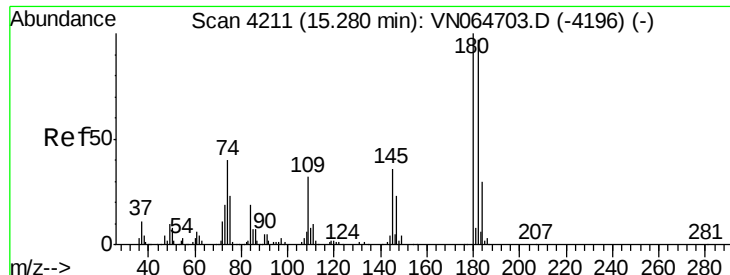
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064758.D
 Acq: 20 Nov 2020 4:19

Tgt Ion:225 Resp: 67
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.2 93.6#
 227 43.3 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#96

1,2,3-Trichlorobenzene

Concen: 0.773 ug/l

RT: 15.29 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN064758.D

Acq: 20 Nov 2020 4:19

Instrument :

MSVOA_N

ClientSampleId :

BP-TB-20201113

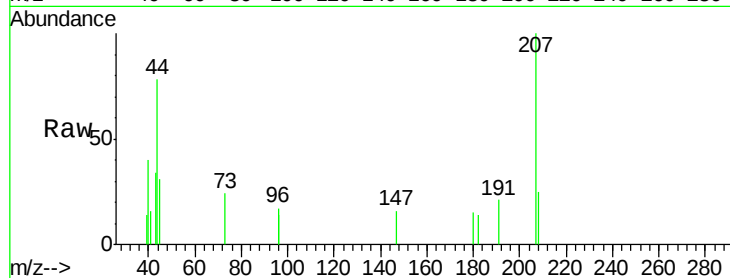
Tot Ion:180 Resp: 66

Ion Ratio Lower Upper

180 100

182 97.0 47.5 142.5

145 0.0 18.1 54.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

