

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\
 Data File : VN062464.D
 Acq On : 9 Jul 2020 19:01
 Operator : JC/MD
 Sample : L3192-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-FB-20200630

Quant Time: Jul 10 01:08:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	201390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	363063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	343198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	124063	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	158337	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	7.55	113	118371	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
50) Toluene-d8	10.06	98	464461	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
62) 4-Bromofluorobenzene	12.38	95	165031	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	

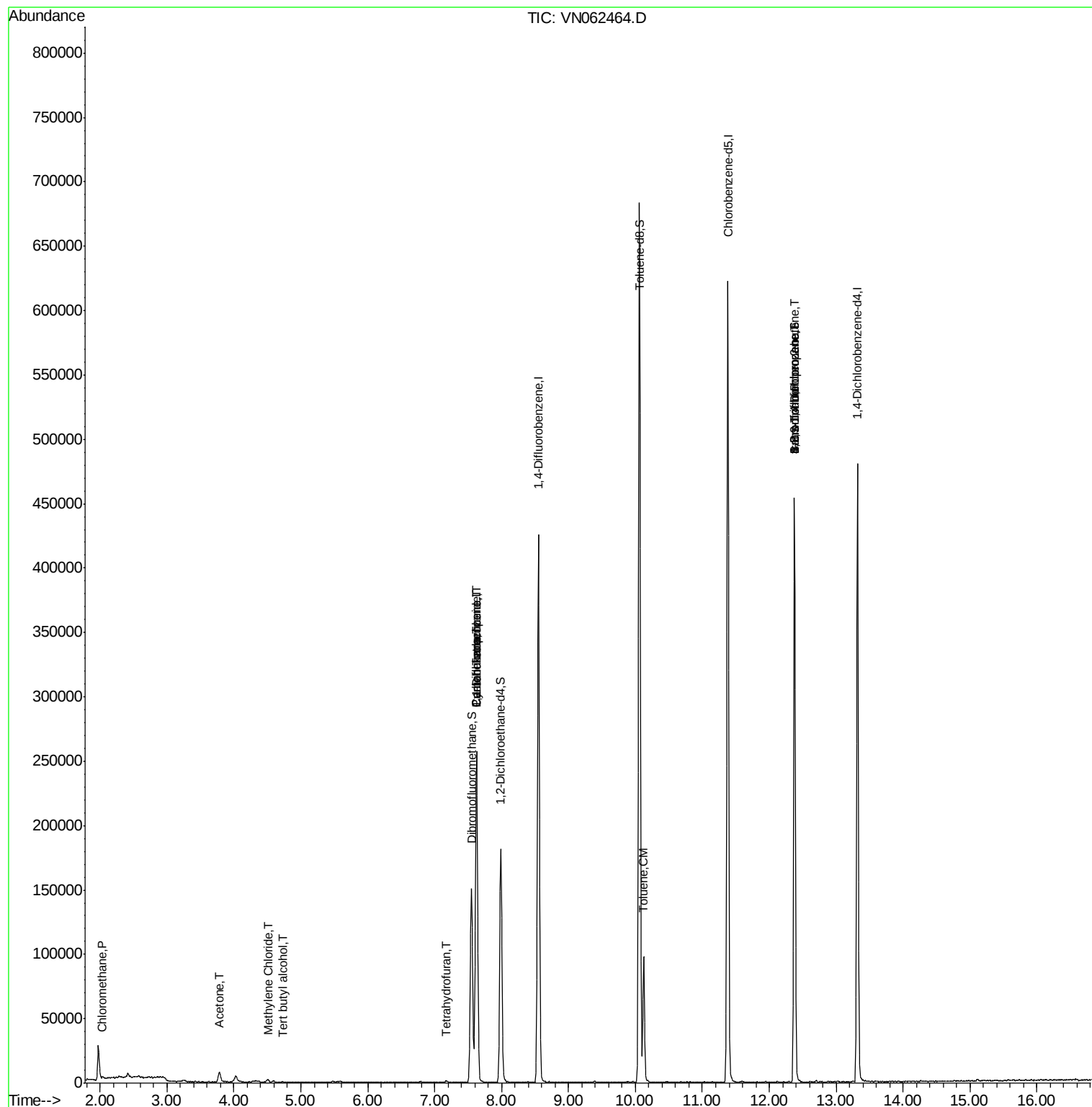
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1686	0.512	ug/l	89
11) Tert butyl alcohol	4.73	59	200	0.389	ug/l #	74
16) Acetone	3.78	43	13603	10.344	ug/l	97
20) Methylene Chloride	4.51	84	1238	0.440	ug/l #	69
29) Tetrahydrofuran	7.17	42	509	0.394	ug/l #	61
31) Cyclohexane	7.62	56	5190	1.103	ug/l #	8
36) 1,1-Dichloropropene	7.63	75	17459	4.773	ug/l #	49
38) Carbon Tetrachloride	7.63	117	20842	6.338	ug/l #	15
52) Toluene	10.12	92	39904	6.408	ug/l	99
71) Bromoform	12.38	173	523	0.290	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	86790	28.511	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	86790	76.312	ug/l #	10
95) Naphthalene	15.11	128	1477	Below Cal	#	70

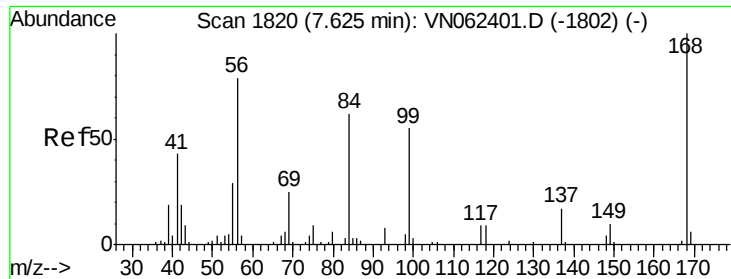
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070920\
Data File : VN062464.D
Acq On : 9 Jul 2020 19:01
Operator : JC/MD
Sample : L3192-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-FB-20200630

Quant Time: Jul 10 01:08:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 00:55:52 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062464.D

Acq: 9 Jul 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

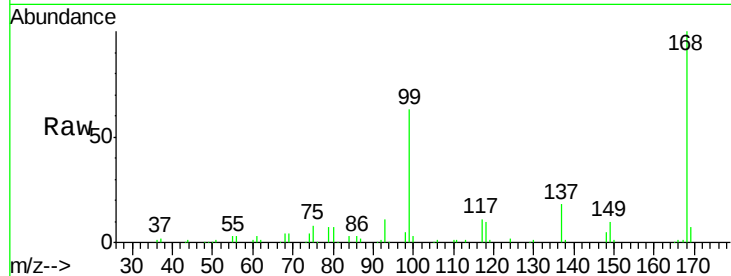
BP-MW180-FB-20200630

Tot Ion:168 Resp: 201390

Ion Ratio Lower Upper

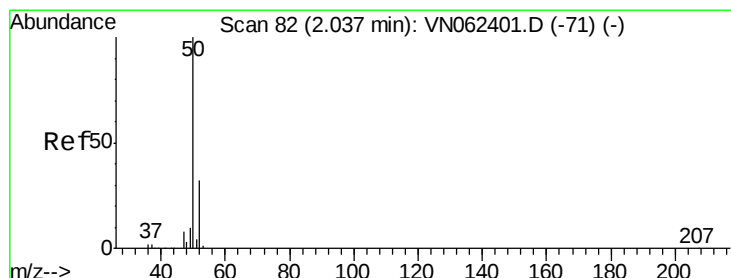
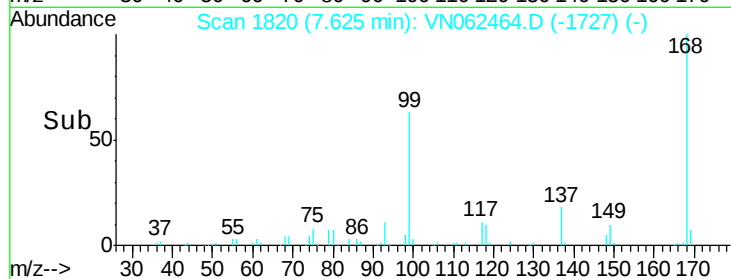
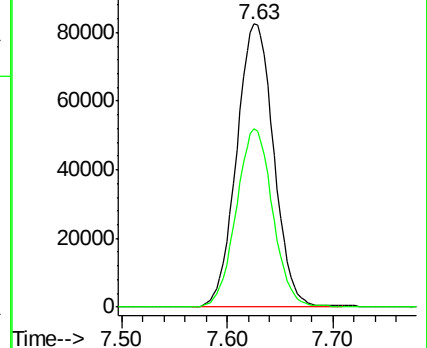
168 100

99 62.8 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.512 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062464.D

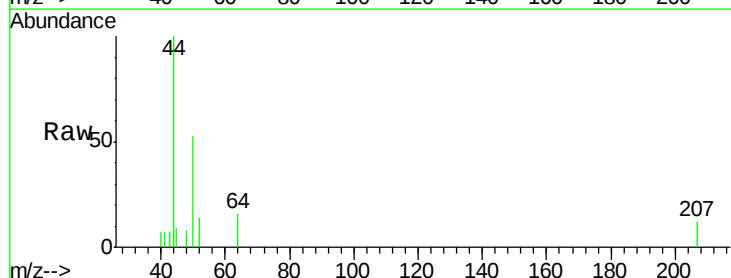
Acq: 9 Jul 2020 19:01

Tgt Ion: 50 Resp: 1686

Ion Ratio Lower Upper

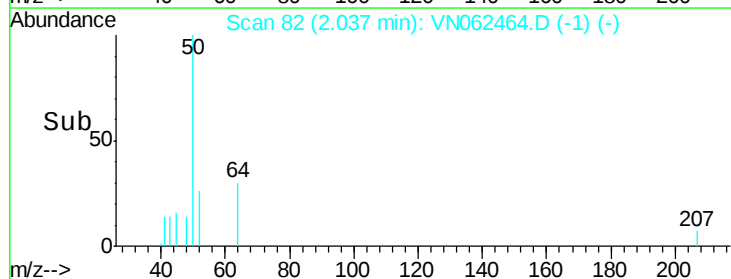
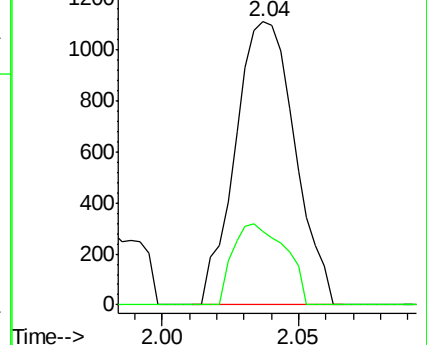
50 100

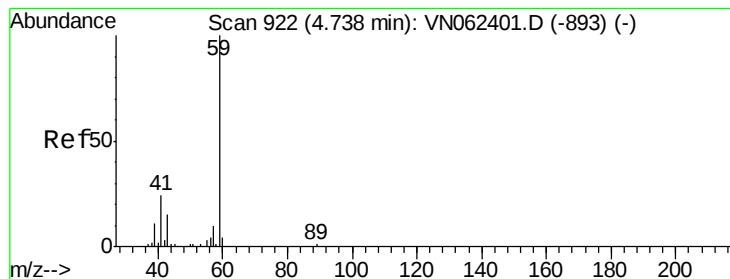
52 25.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#11

Tert butyl alcohol

Concen: 0.389 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.01 min

Lab File: VN062464.D

Acq: 9 Jul 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

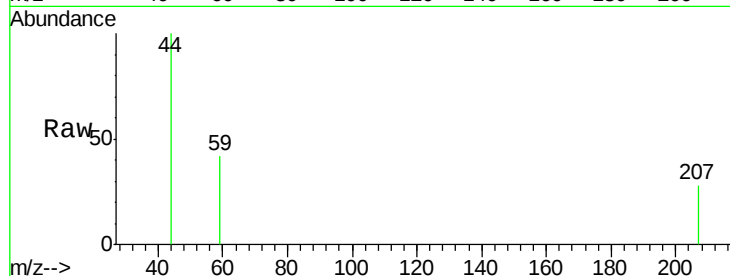
BP-MW180-FB-20200630

Tot Ion: 59 Resp: 200

Ion Ratio Lower Upper

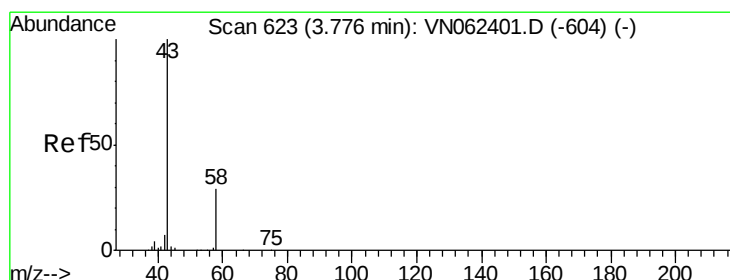
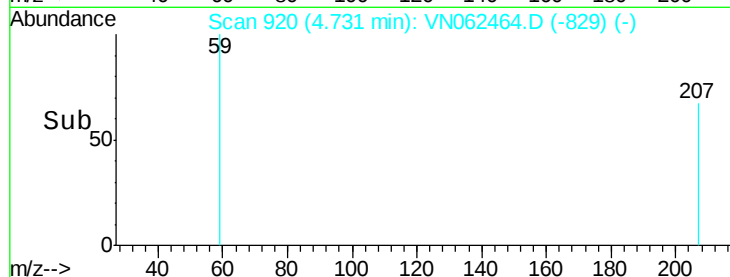
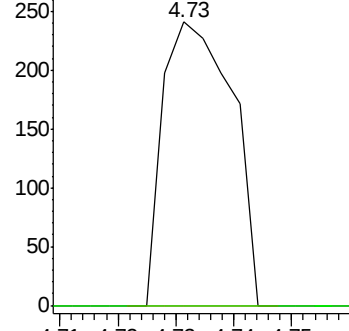
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#16

Acetone

Concen: 10.344 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062464.D

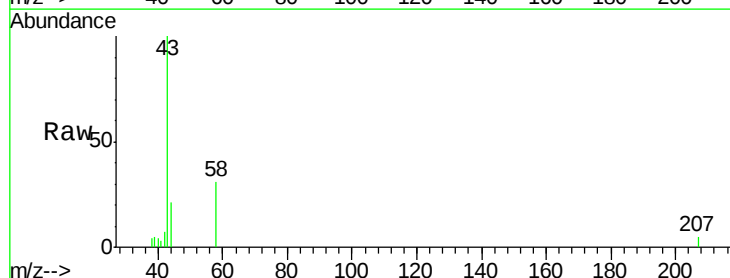
Acq: 9 Jul 2020 19:01

Tgt Ion: 43 Resp: 13603

Ion Ratio Lower Upper

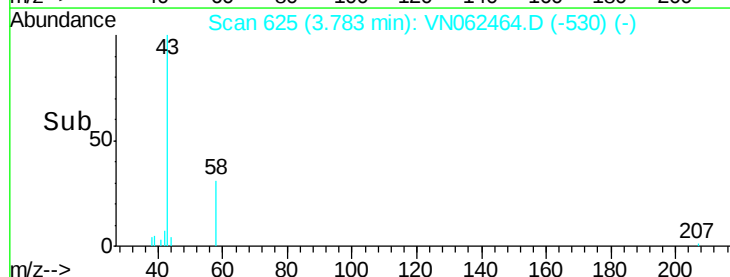
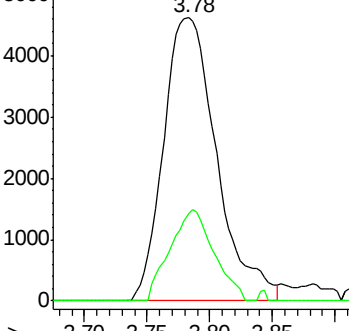
43 100

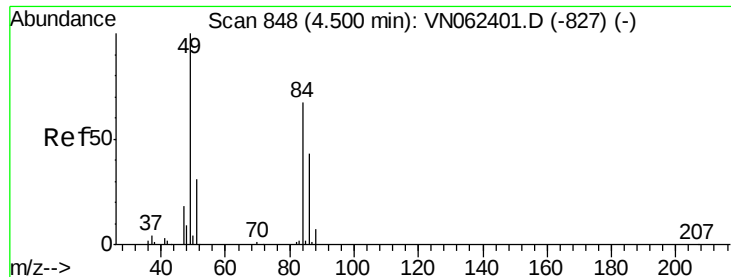
58 31.1 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

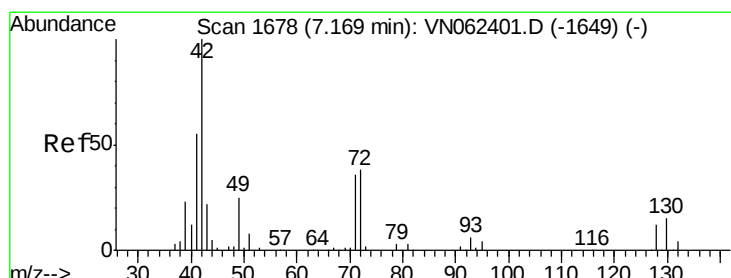
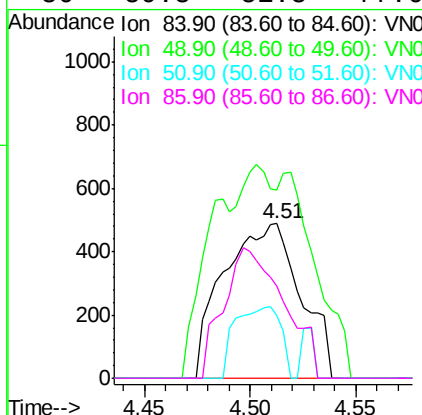
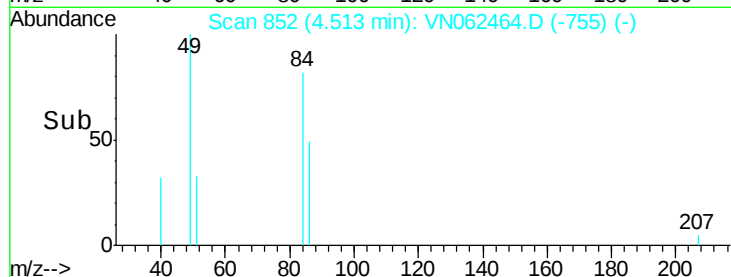
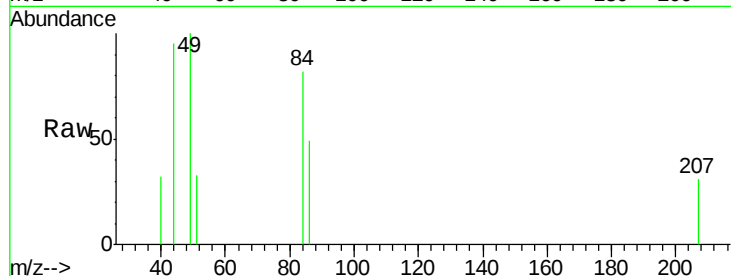




#20
Methvlene Chloride
Concen: 0.440 ug/l
RT: 4.51 min Scan# 852
Delta R.T. 0.01 min
Lab File: VN062464.D
Acq: 9 Jul 2020 19:01

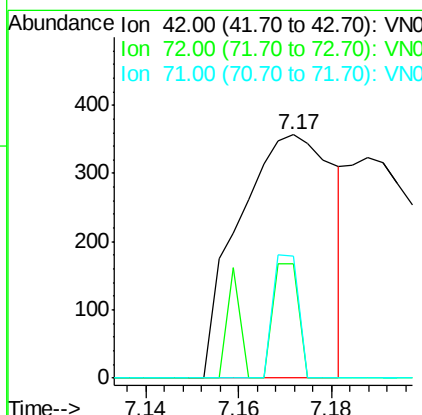
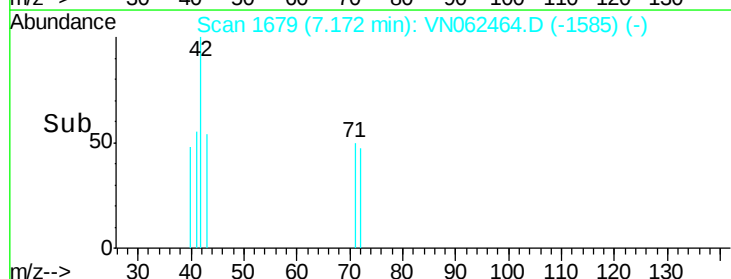
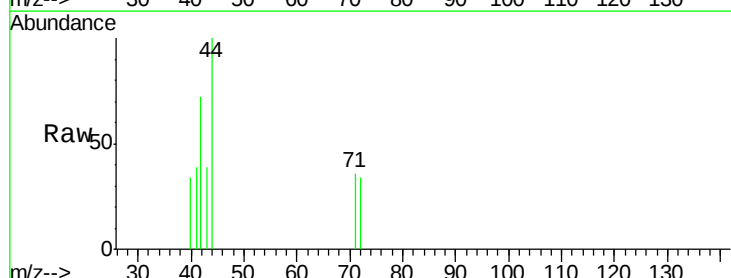
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-FB-20200630

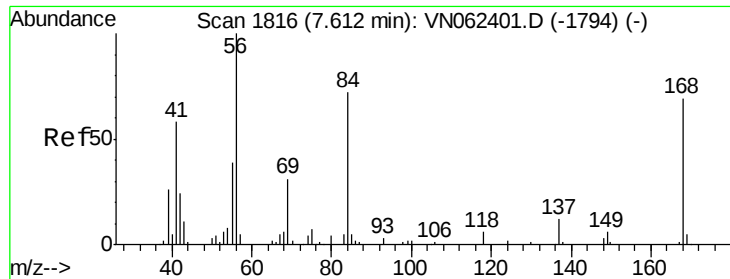
Tot Ion: 84 Resp: 1238
Ion Ratio Lower Upper
84 100
49 88.7 120.0 180.0#
51 40.8 37.0 55.6
86 59.8 51.8 77.6



#29
Tetrahydrofuran
Concen: 0.394 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN062464.D
Acq: 9 Jul 2020 19:01

Tgt Ion: 42 Resp: 509
Ion Ratio Lower Upper
42 100
72 12.6 29.1 43.7#
71 13.6 28.1 42.1#

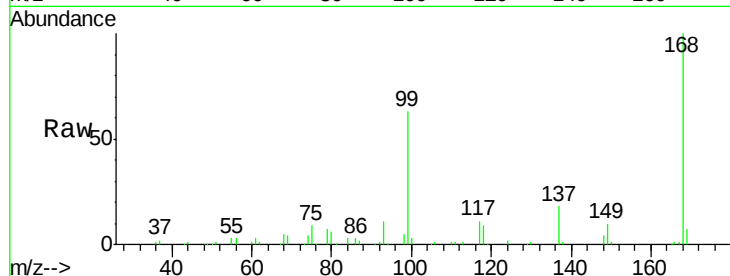




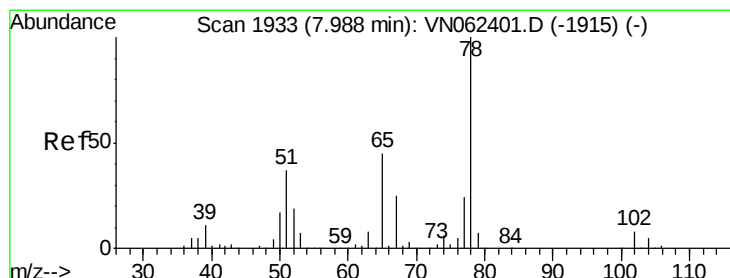
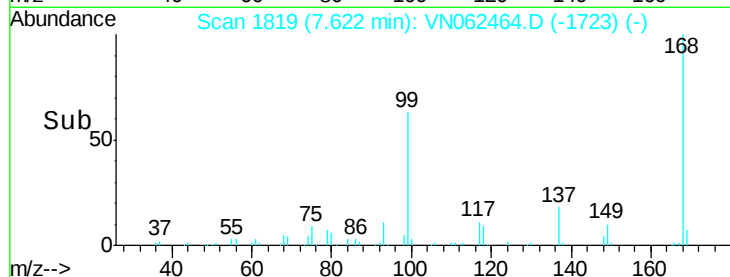
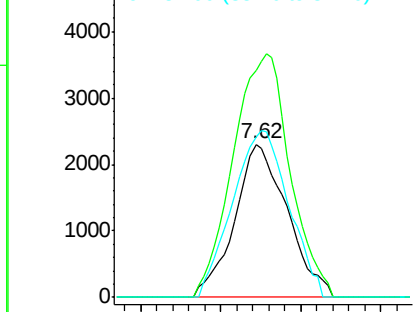
#31
Cyclohexane
Concen: 1.103 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062464.D
Acq: 9 Jul 2020 19:01

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-FB-20200630

Tot Ion: 56 Resp: 5190
Ion Ratio Lower Upper
56 100
69 148.5 24.5 36.7#
84 105.0 57.4 86.2#

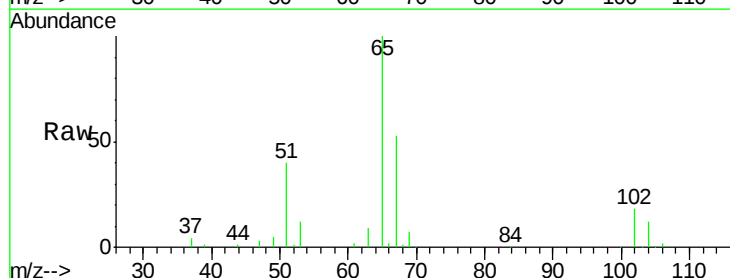


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

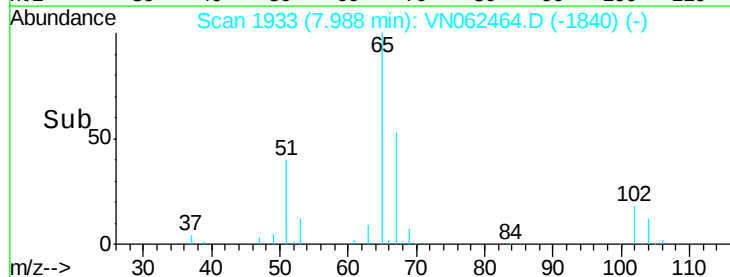
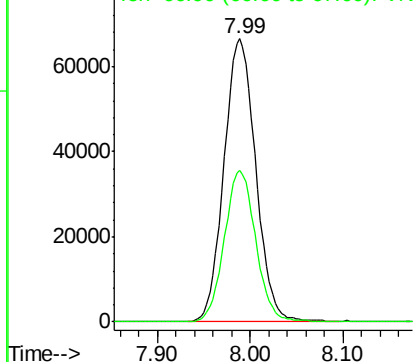


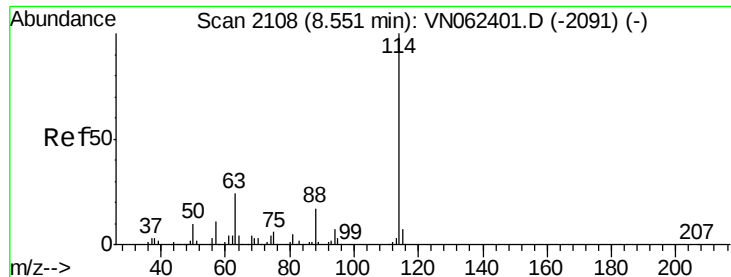
#33
1,2-Dichloroethane-d4
Concen: 51.115 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062464.D
Acq: 9 Jul 2020 19:01

Tgt Ion: 65 Resp: 158337
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062464.D

Acq: 9 Jul 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-FB-20200630

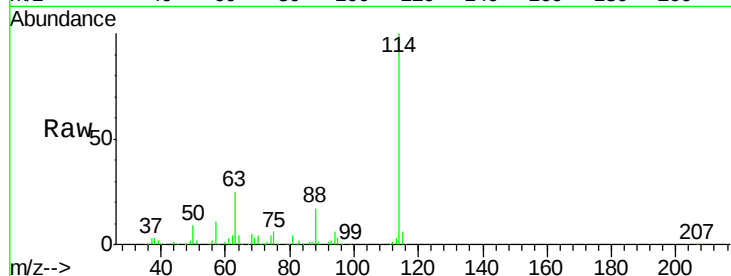
Tot Ion:114 Resp: 363063

Ion Ratio Lower Upper

114 100

63 25.0 0.0 48.4

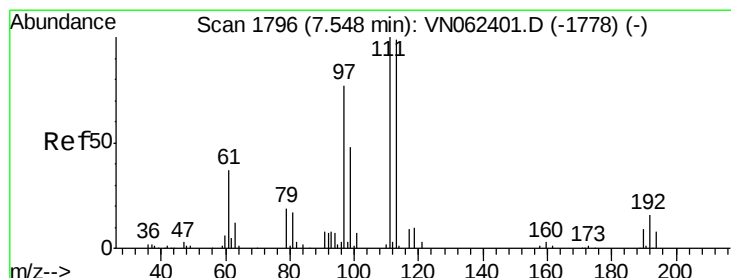
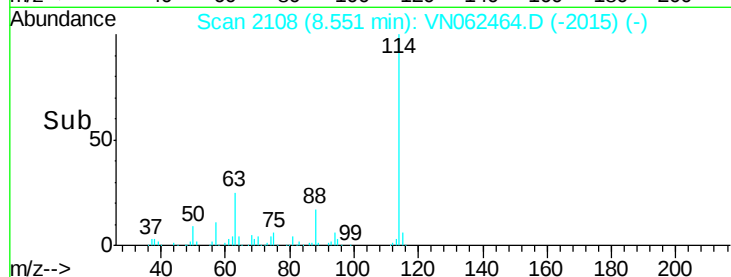
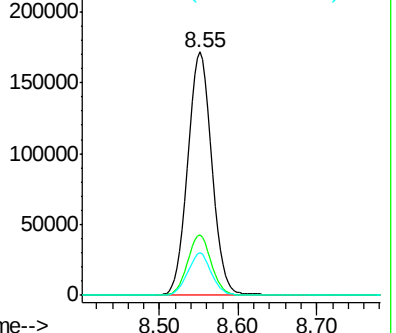
88 17.4 0.0 33.8



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: 52.745 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062464.D

Acq: 9 Jul 2020 19:01

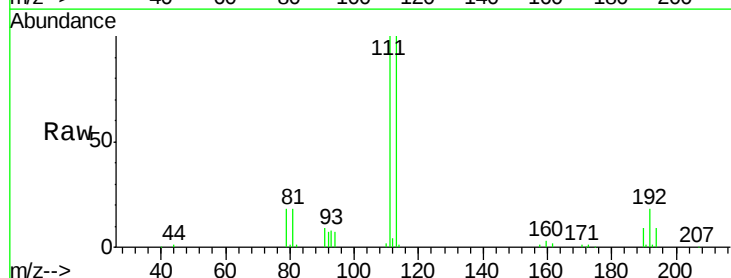
Tgt Ion:113 Resp: 118371

Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

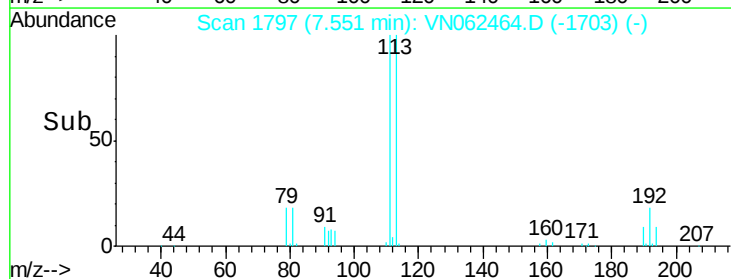
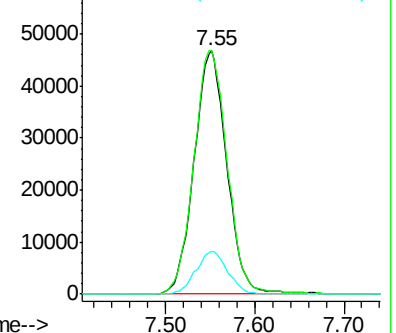
192 17.1 14.1 21.1

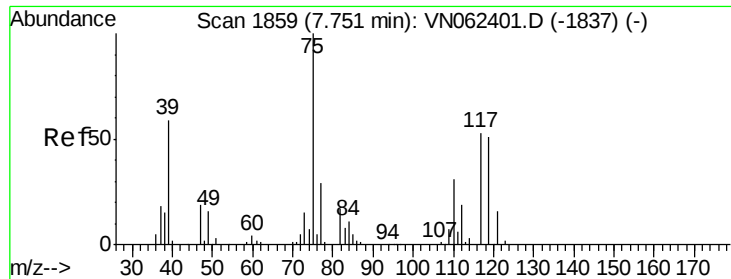


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

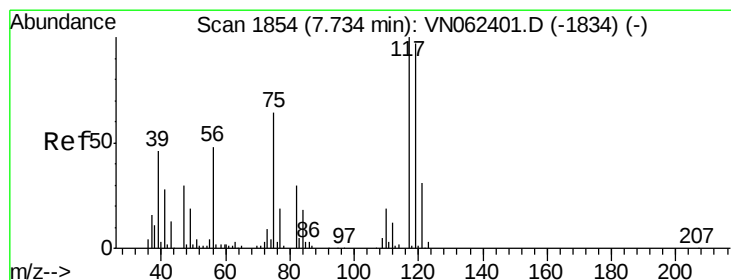
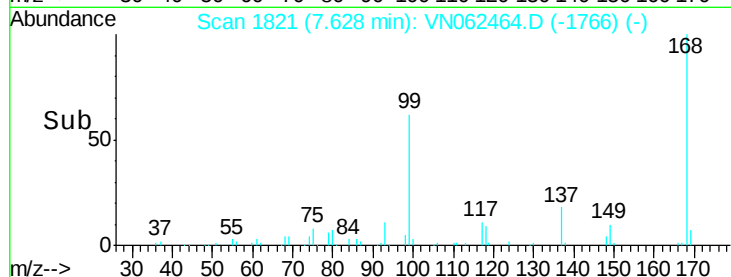
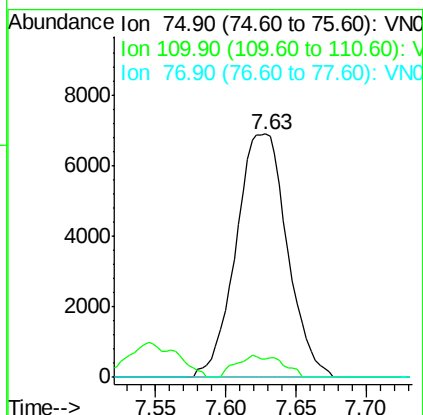
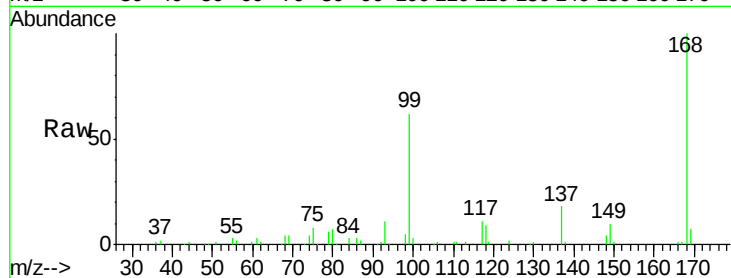




#36
 1,1-Dichloropropene
 Concen: 4.773 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062464.D
 Acq: 9 Jul 2020 19:01

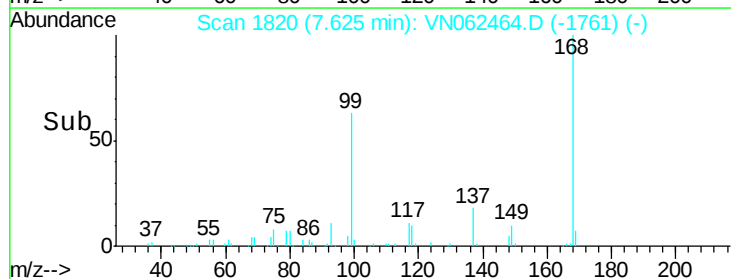
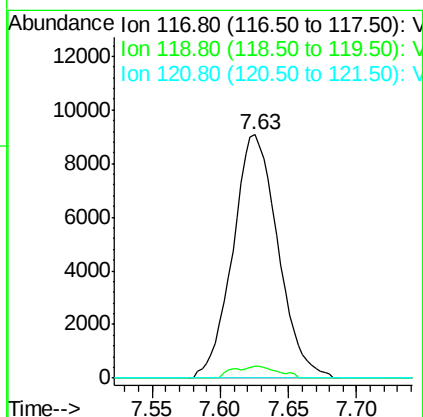
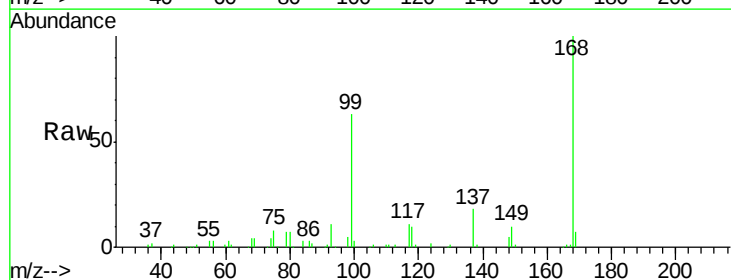
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-FB-20200630

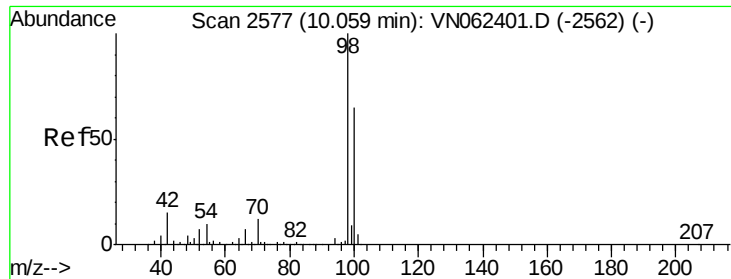
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.1	15.4	46.2#
77	0.0	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 6.338 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062464.D
 Acq: 9 Jul 2020 19:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.2	115.8#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 52.425 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062464.D

Acq: 9 Jul 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

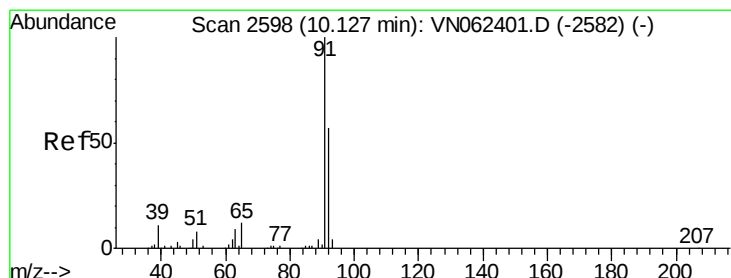
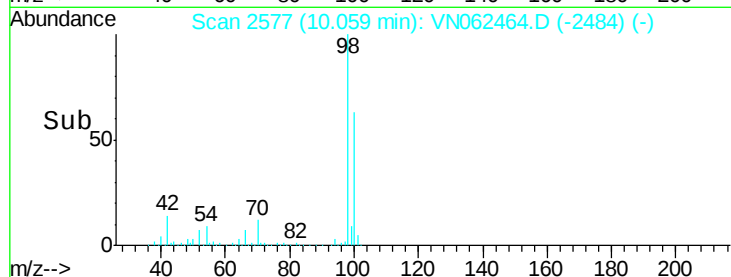
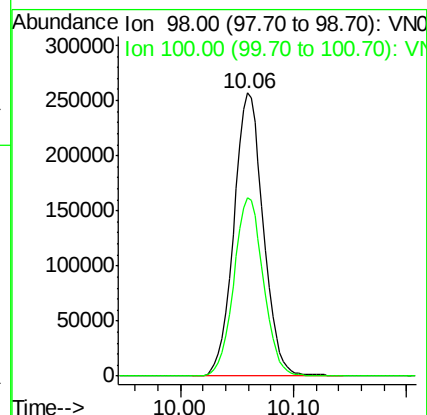
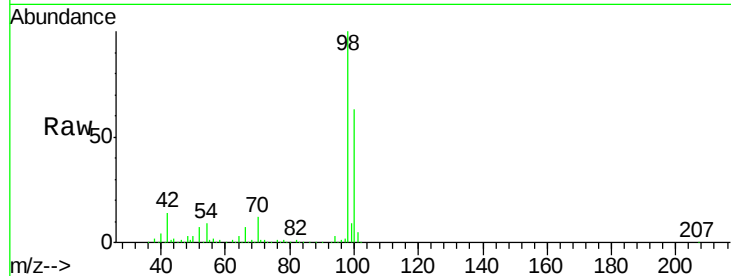
BP-MW180-FB-20200630

Tot Ion: 98 Resp: 464461

Ion Ratio Lower Upper

98 100

100 63.4 51.5 77.3



#52

Toluene

Concen: 6.408 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062464.D

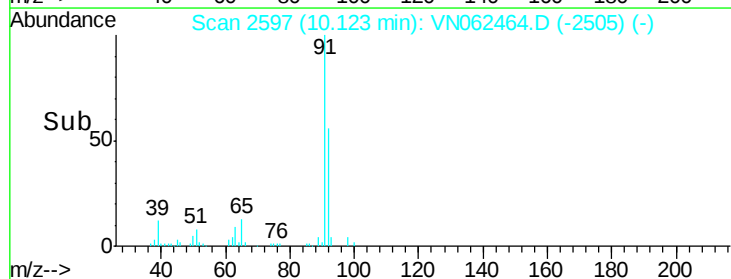
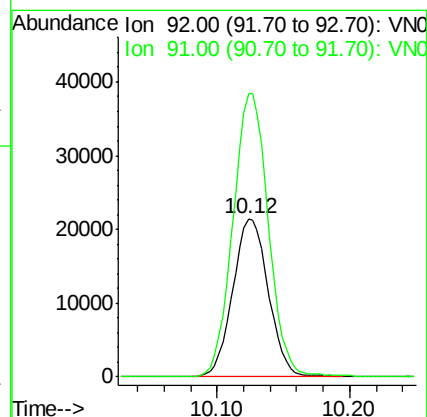
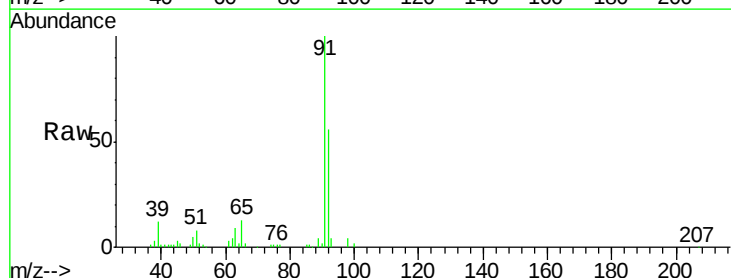
Acq: 9 Jul 2020 19:01

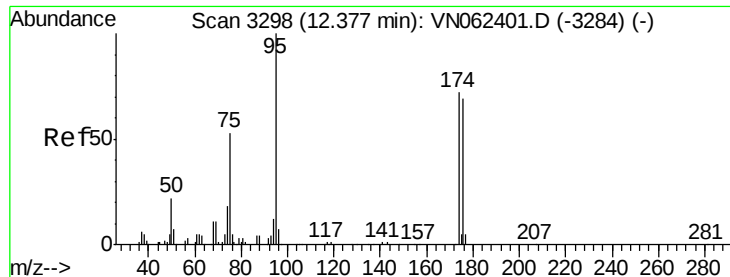
Tgt Ion: 92 Resp: 39904

Ion Ratio Lower Upper

92 100

91 178.3 141.0 211.6





#62

4-Bromofluorobenzene

Concen: 50.974 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062464.D

Acq: 9 Jul 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-FB-20200630

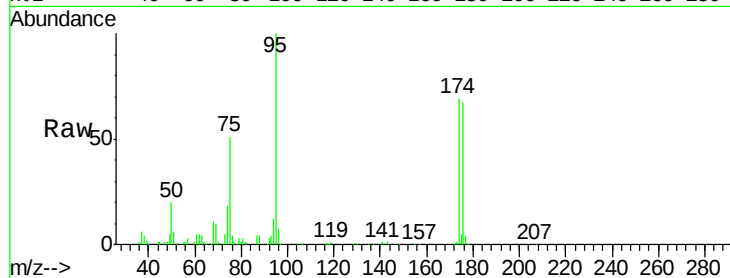
Tot Ion: 95 Resp: 165031

Ion Ratio Lower Upper

95 100

174 70.5 0.0 141.6

176 67.9 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062464.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062464.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062464.D (-3205) (-)

12.38

100000

80000

60000

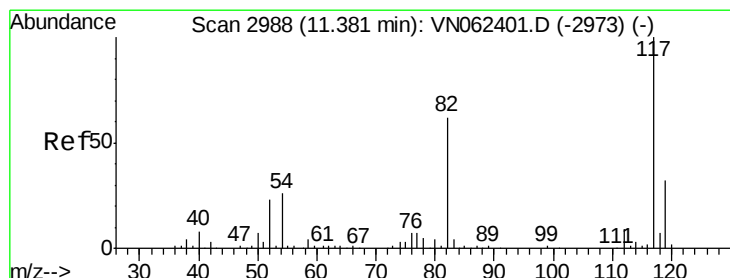
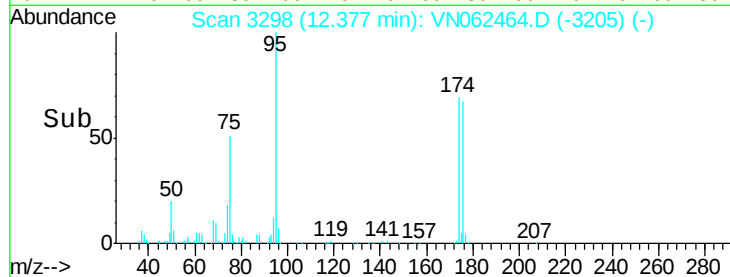
40000

20000

0

12.30 12.40 12.50

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062464.D

Acq: 9 Jul 2020 19:01

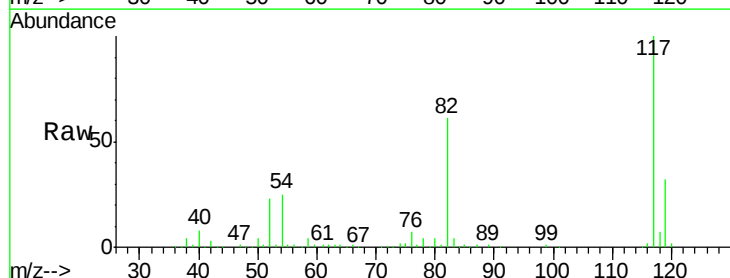
Tgt Ion: 117 Resp: 343198

Ion Ratio Lower Upper

117 100

82 60.6 49.6 74.4

119 31.9 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): VN062464.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062464.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062464.D (-2895) (-)

11.38

250000

200000

150000

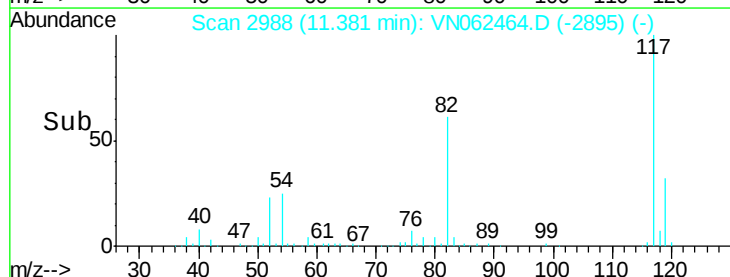
100000

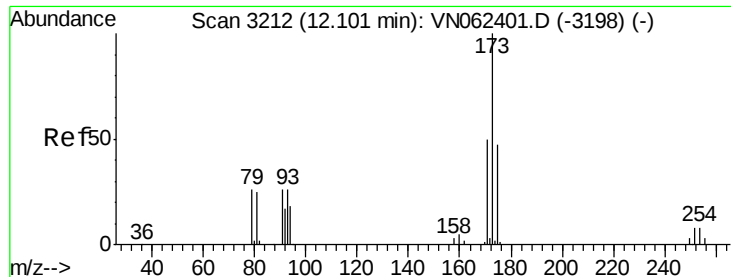
50000

0

11.30 11.40 11.50

Time-->





#71

Bromoform

Concen: 0.290 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN062464.D

Acq: 9 Jul 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-FB-20200630

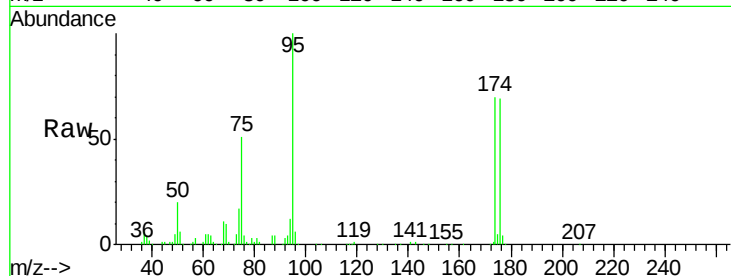
Tot Ion:173 Resp: 523

Ion Ratio Lower Upper

173 100

175 1385.9 23.7 71.1#

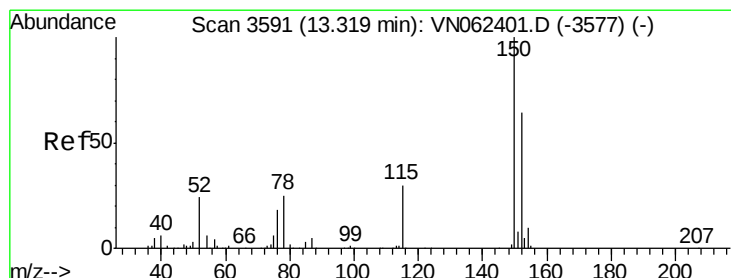
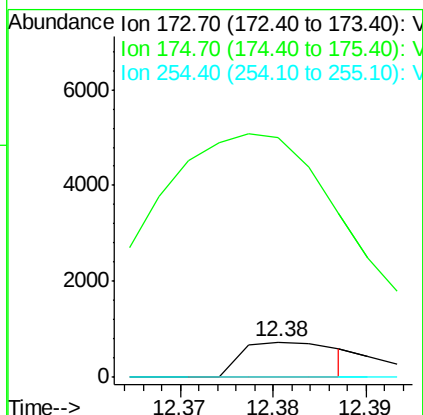
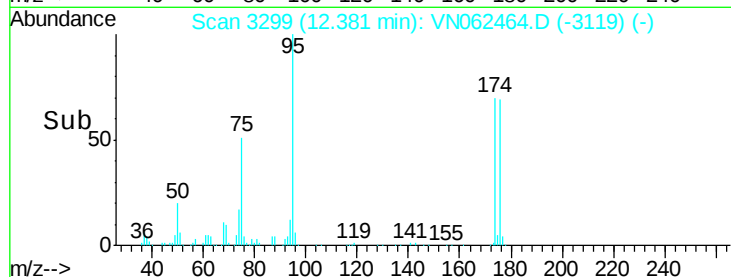
254 0.0 0.0 0.0



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# 3591

Delta R.T. -0.00 min

Lab File: VN062464.D

Acq: 9 Jul 2020 19:01

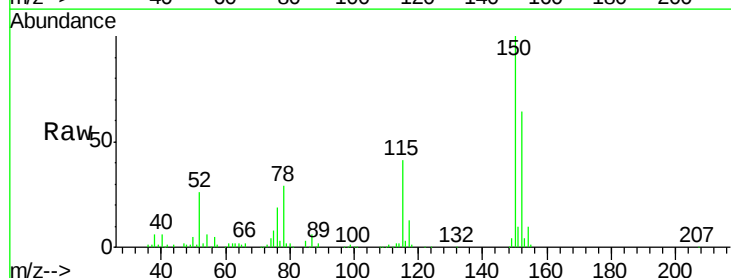
Tgt Ion:152 Resp: 124063

Ion Ratio Lower Upper

152 100

115 63.1 31.4 94.2

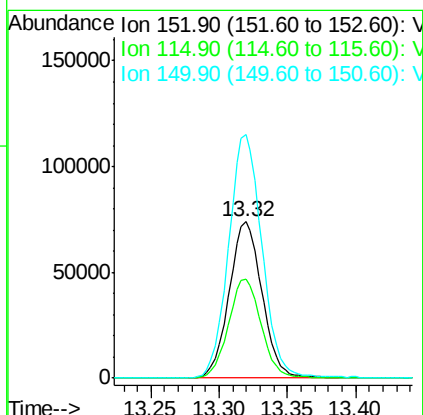
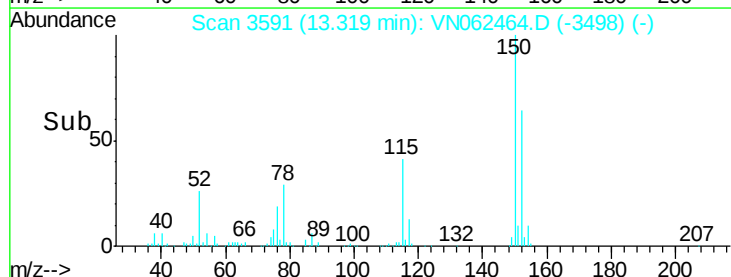
150 158.2 0.0 347.4

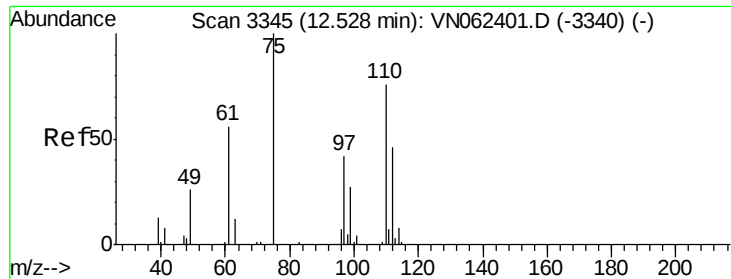


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.511 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062464.D

Acq: 9 Jul 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

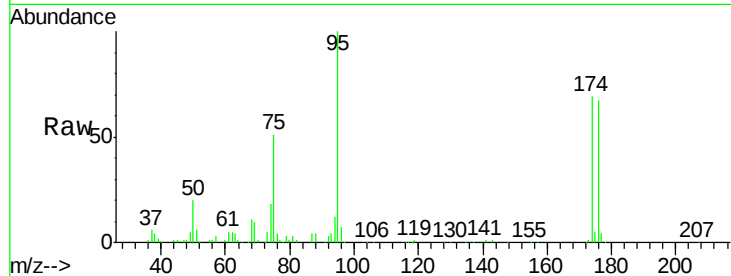
BP-MW180-FB-20200630

Tot Ion: 75 Resp: 86790

Ion Ratio Lower Upper

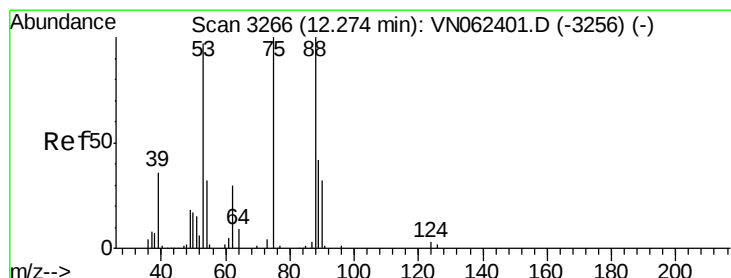
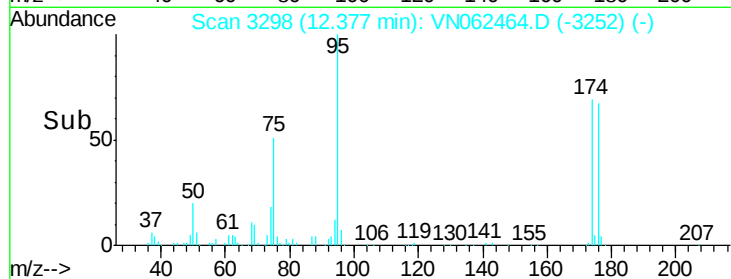
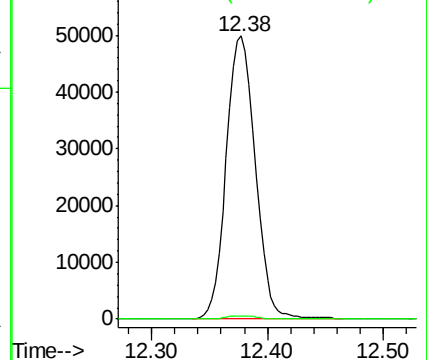
75 100

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: 76.312 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062464.D

Acq: 9 Jul 2020 19:01

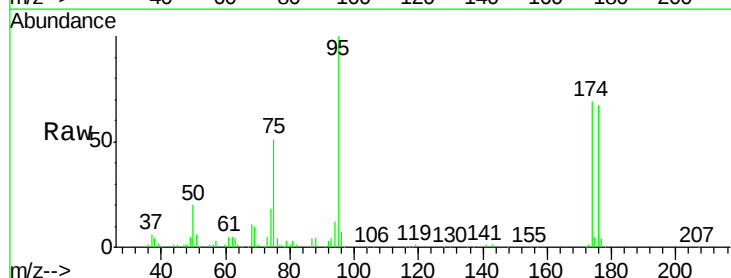
Tgt Ion: 75 Resp: 86790

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

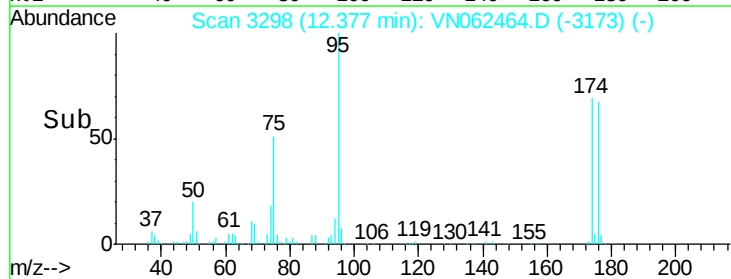
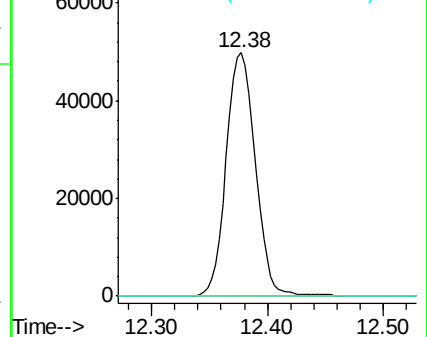
89 0.0 34.6 52.0#

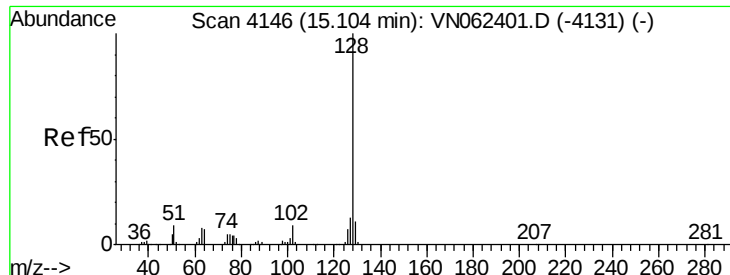


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

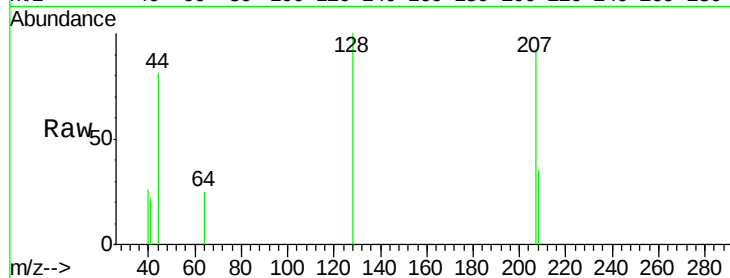




#95
Naphthalene
Concen: Below Cal
RT: 15.11 min Scan# 4148
Delta R.T. 0.01 min
Lab File: VN062464.D
Acq: 9 Jul 2020 19:01

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-FB-20200630

Tot Ion:128 Resp: 1477
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

