

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062237.D
 Acq On : 30 Jun 2020 14:14
 Operator : JC/MD
 Sample : L3151-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-TB-20200626

Quant Time: Jul 01 03:34:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	207192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	398635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	381563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	142262	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	154128	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
35) Dibromofluoromethane	7.55	113	125683	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
50) Toluene-d8	10.06	98	516478	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.38	95	172565	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	

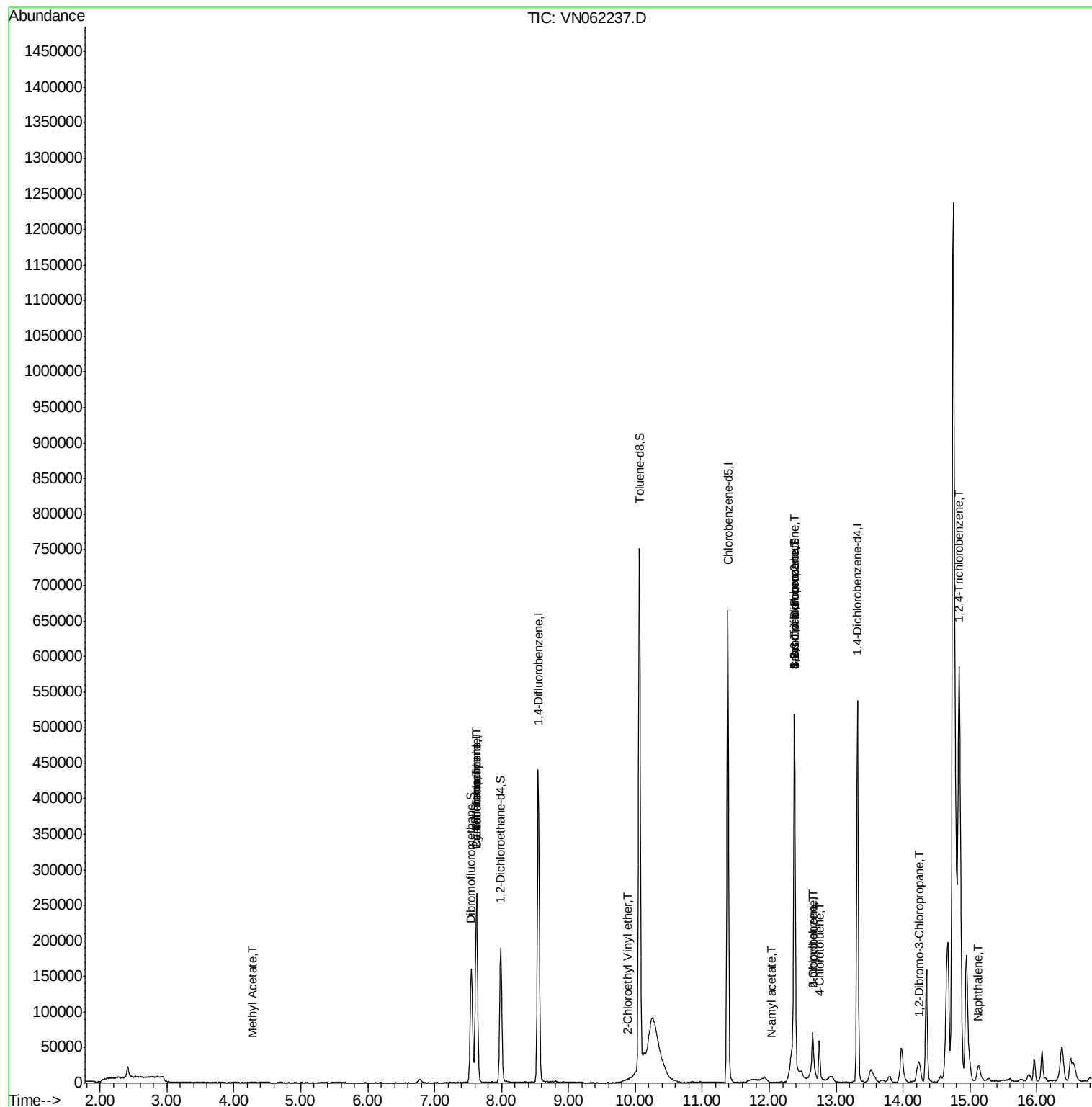
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	335	Below Cal	#	41
16) Acetone	3.78	43	869	Below Cal	#	40
18) Methyl Acetate	4.28	43	541	0.234	ug/l #	46
20) Methylene Chloride	4.49	84	309	Below Cal	#	87
31) Cyclohexane	7.63	56	4680	1.165	ug/l #	20
36) 1,1-Dichloropropene	7.63	75	17876	4.461	ug/l #	48
38) Carbon Tetrachloride	7.63	117	21135	5.595	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.89	63	31	16.120	ug/l #	46
71) Bromoform	12.38	173	1683	0.817	ug/l #	1
74) N-amyl acetate	12.04	43	67	3.359	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	91132	27.212	ug/l #	100
78) n-propylbenzene	12.65	91	30871	2.451	ug/l #	53
79) 2-Chlorotoluene	12.65	91	30871	4.054	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	91132	79.469	ug/l #	13
82) 4-Chlorotoluene	12.75	91	35096	4.457	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	491	0.836	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.84	180	2817	1.385	ug/l #	1
95) Naphthalene	15.11	128	3076	4.412	ug/l #	49

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062237.D

Acq: 30 Jun 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

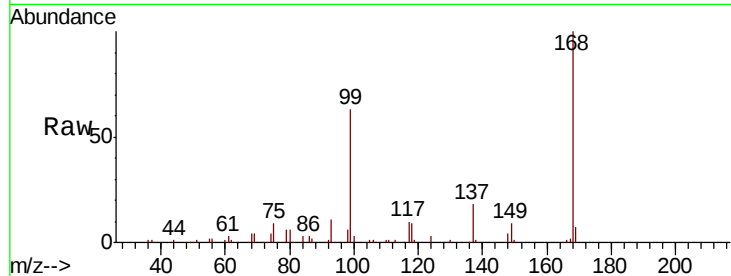
BP-MW180-TB-20200626

Tot Ion:168 Resp: 207192

Ion Ratio Lower Upper

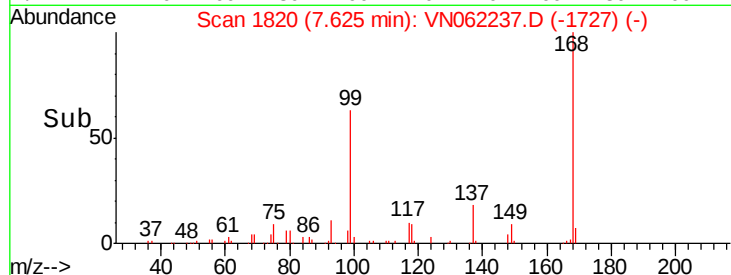
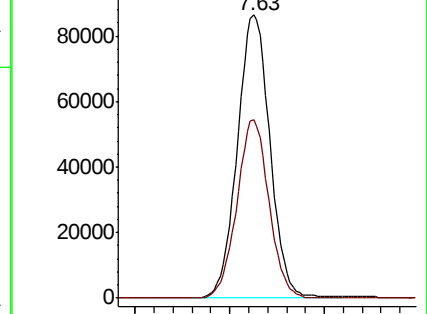
168 100

99 62.9 45.8 68.8

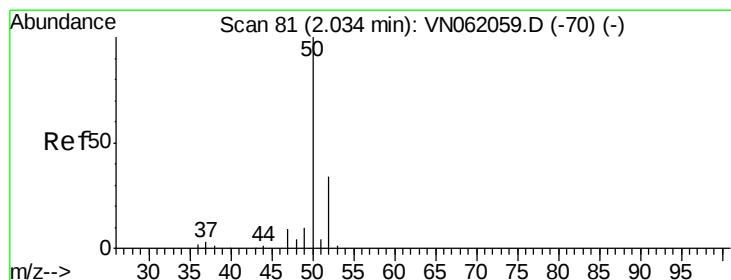


Abundance Ion 167.90 (167.60 to 168.60): VN062237.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN062237.D (-1727) (-)



Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062237.D

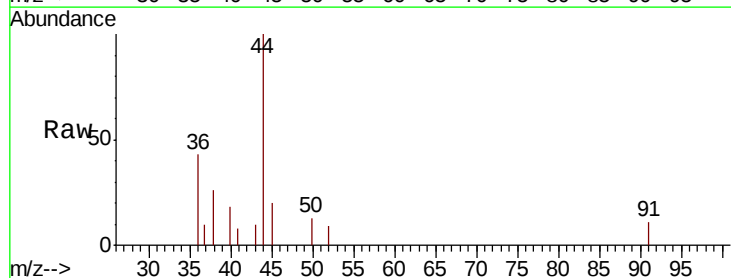
Acq: 30 Jun 2020 14:14

Tgt Ion: 50 Resp: 335

Ion Ratio Lower Upper

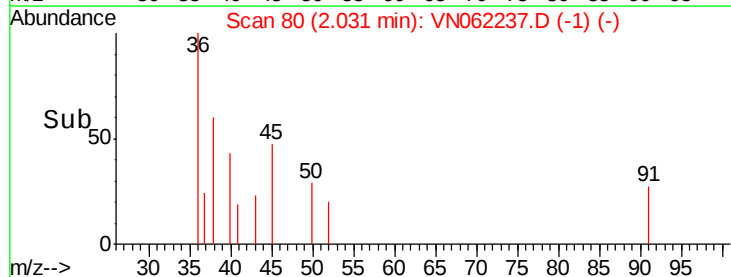
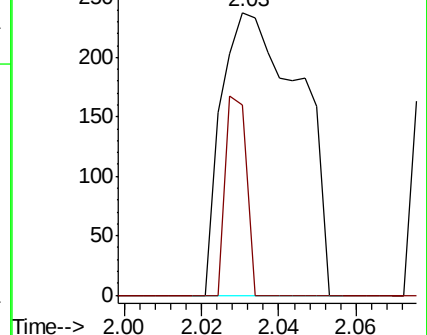
50 100

52 67.2 27.0 40.6#

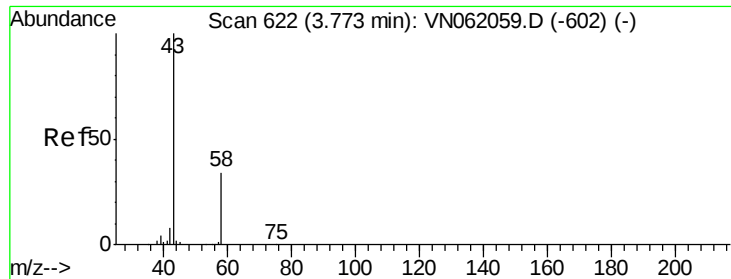


Abundance Ion 49.90 (49.60 to 50.60): VN062237.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN062237.D (-1) (-)



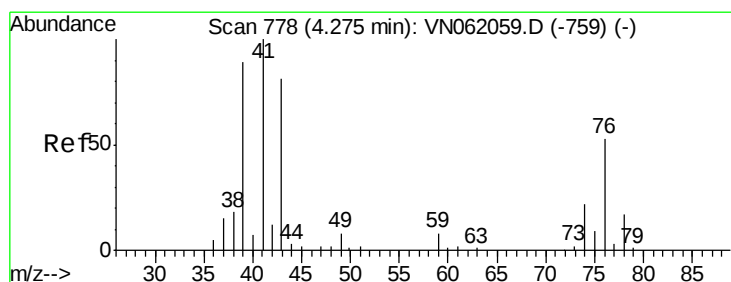
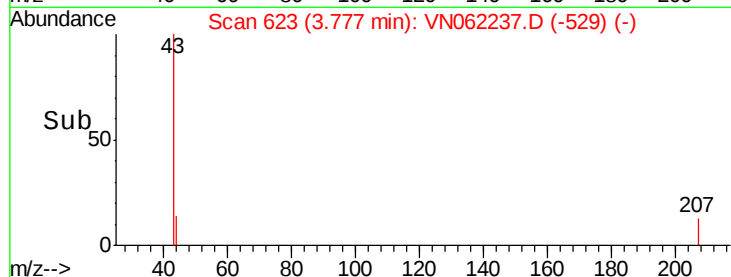
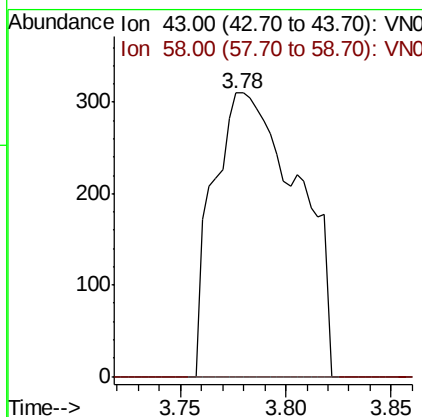
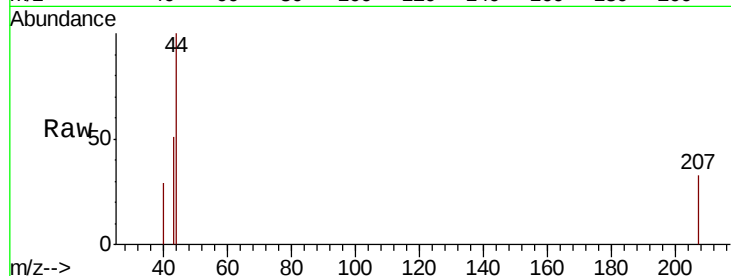
Time-->



#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 623
Delta R.T. 0.00 min
Lab File: VN062237.D
Acq: 30 Jun 2020 14:14

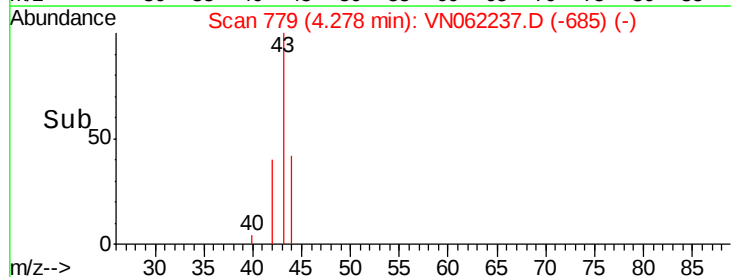
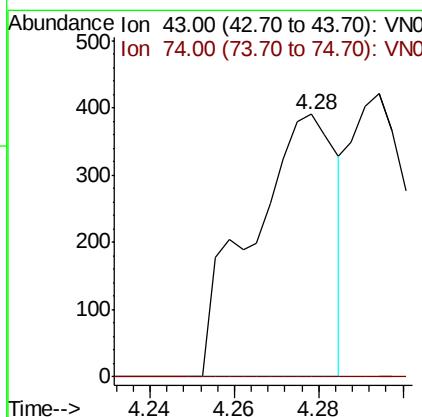
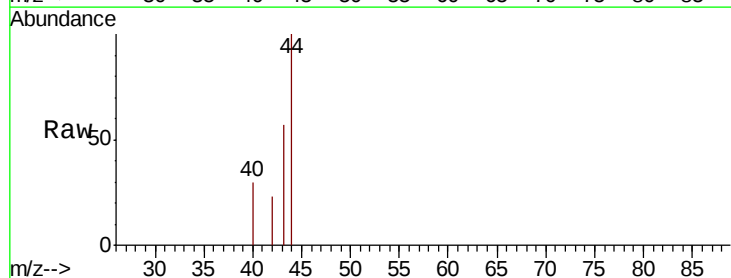
Instrument :
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BP-MW180-TB-20200626

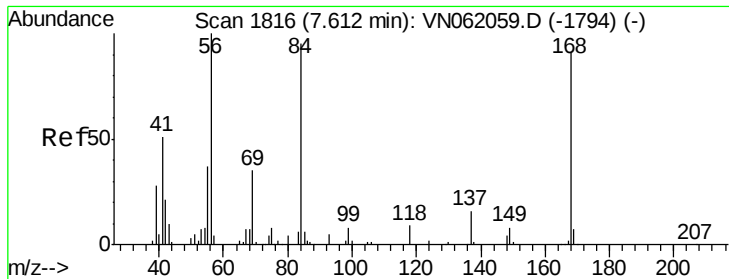
Tot Ion: 43 Resp: 869
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#18
Methyl Acetate
Concen: 0.234 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062237.D
Acq: 30 Jun 2020 14:14

Tgt Ion: 43 Resp: 541
Ion Ratio Lower Upper
43 100
74 0.0 22.9 34.3#

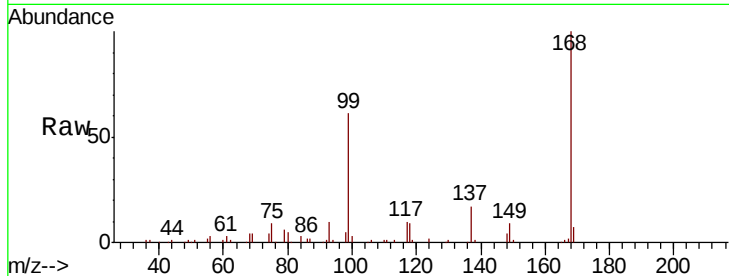




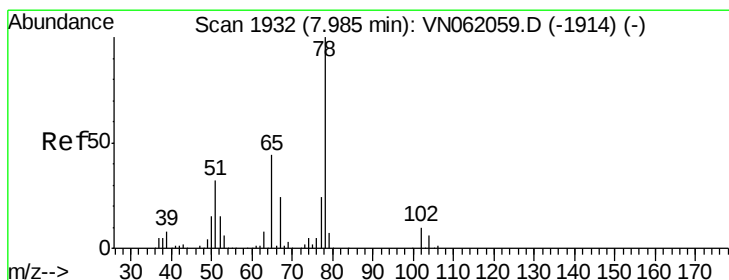
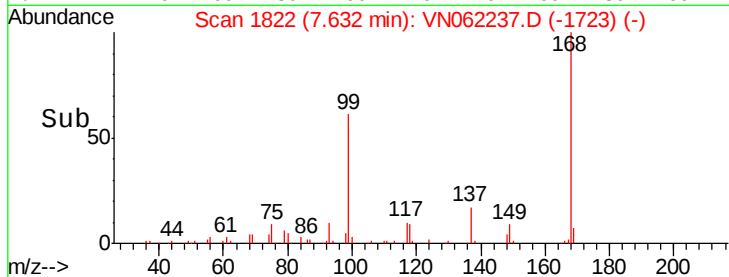
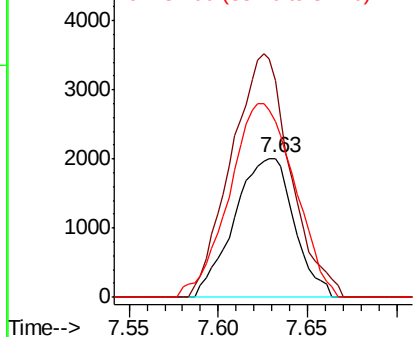
#31
Cyclohexane
Concen: 1.165 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.02 min
Lab File: VN062237.D
Acq: 30 Jun 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-TB-20200626

Tot Ion: 56 Resp: 4680
Ion Ratio Lower Upper
56 100
69 156.1 28.0 42.0#
84 126.7 76.1 114.1#

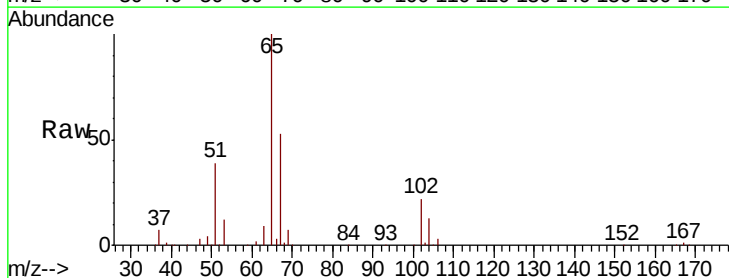


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

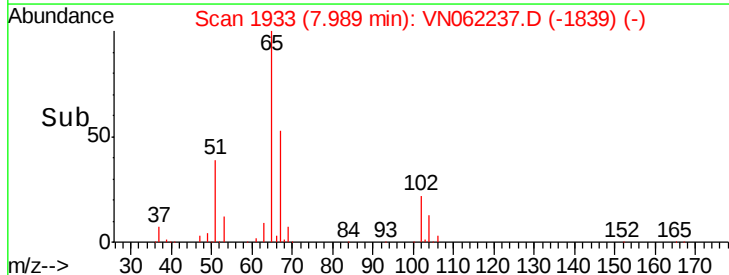
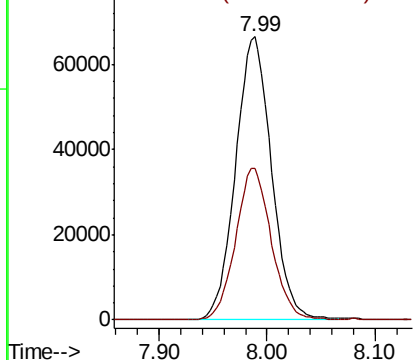


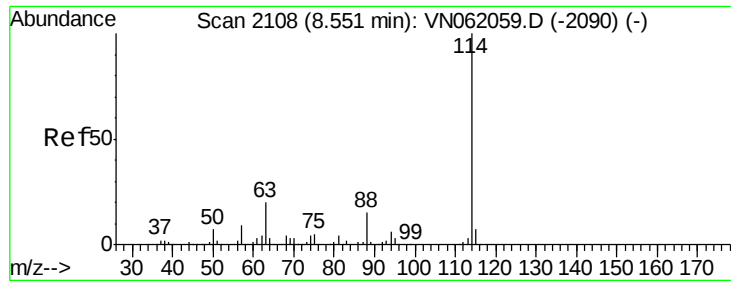
#33
1,2-Dichloroethane-d4
Concen: 53.009 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062237.D
Acq: 30 Jun 2020 14:14

Tgt Ion: 65 Resp: 154128
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.2



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

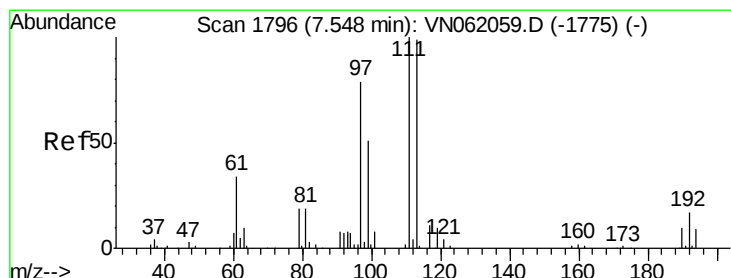
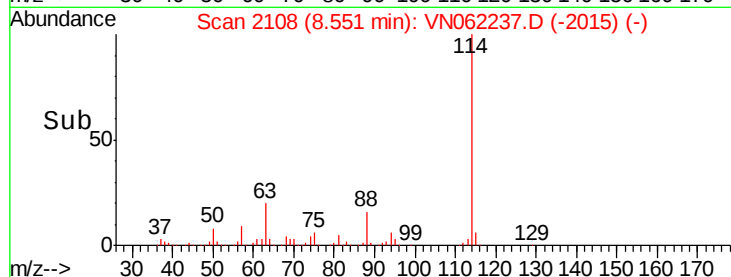
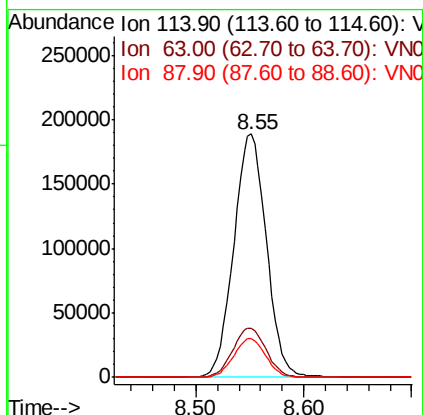
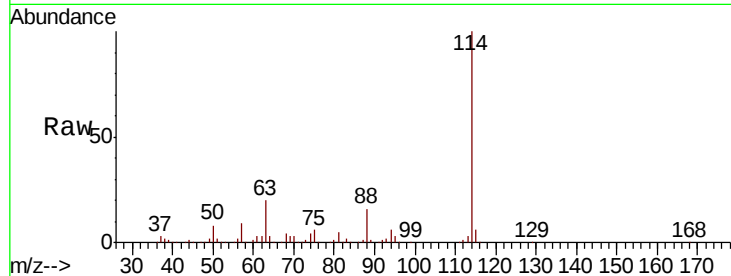




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062237.D
 Acq: 30 Jun 2020 14:14

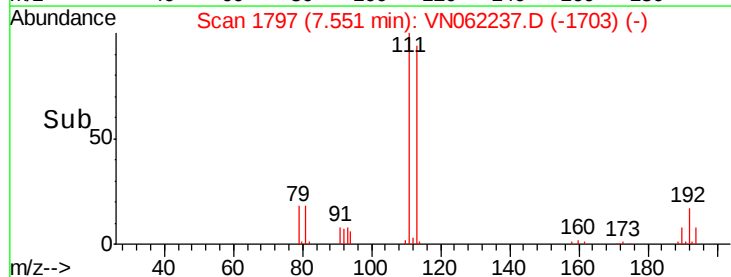
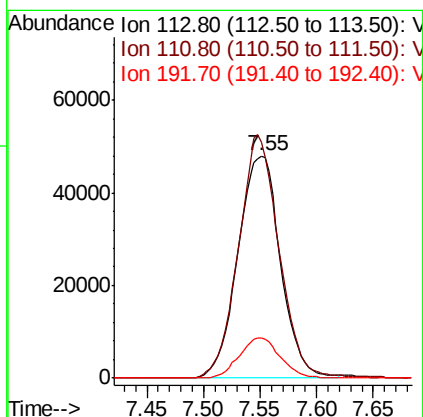
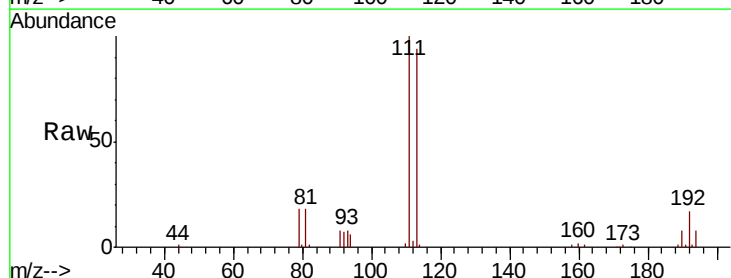
Instrument :
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 ClientSampleId :
 BP-MW180-TB-20200626

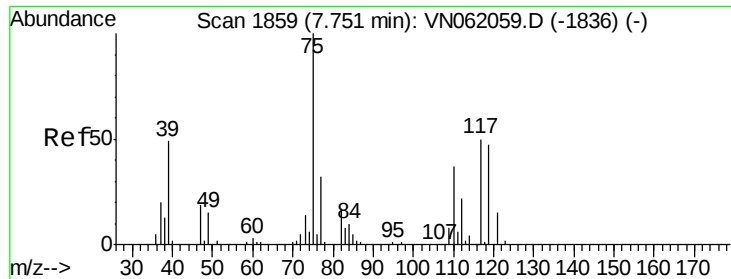
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.2
88	15.7	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 49.144 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062237.D
 Acq: 30 Jun 2020 14:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.2	123.4
192	17.4	14.0	21.0

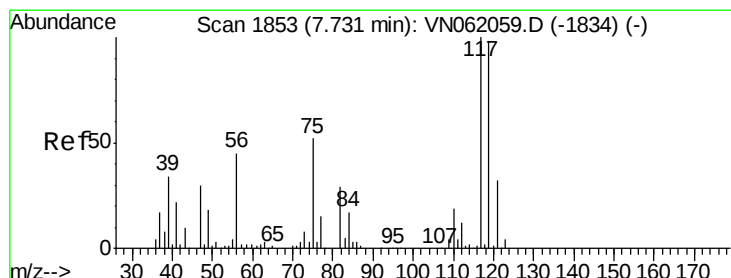
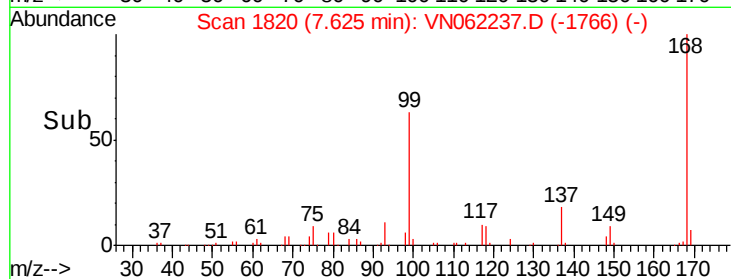
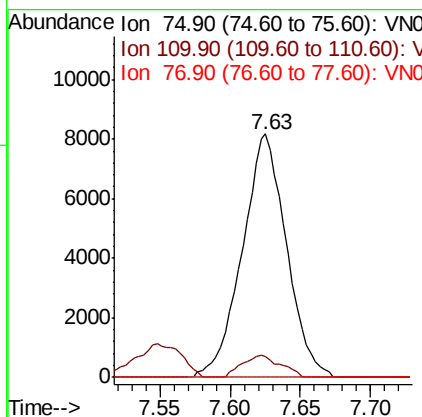
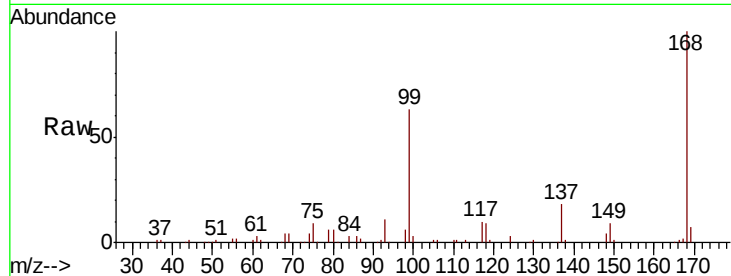




#36
 1,1-Dichloropropene
 Concen: 4.461 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062237.D
 Acq: 30 Jun 2020 14:14

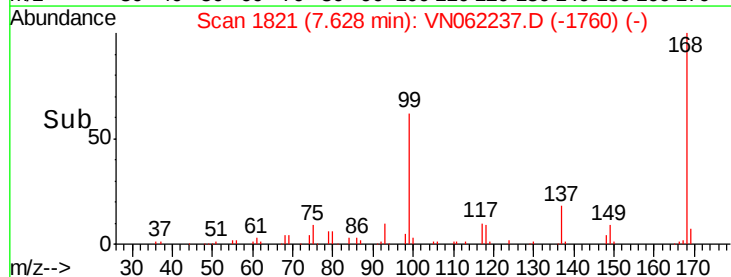
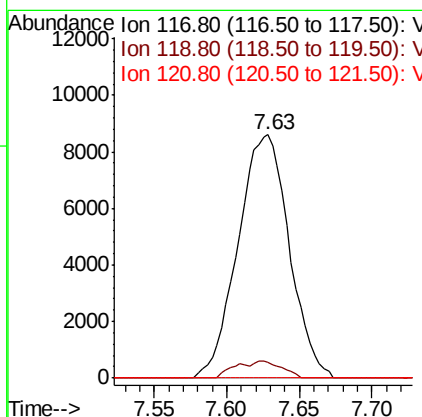
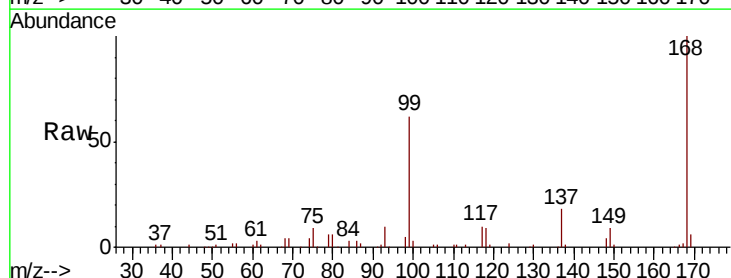
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-TB-20200626

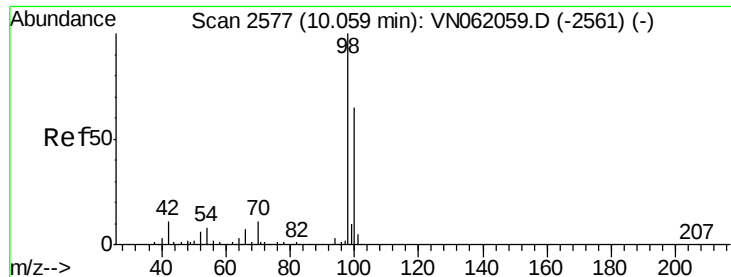
Tot Ion: 75 Resp: 17876
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.9 53.8#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.595 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.10 min
 Lab File: VN062237.D
 Acq: 30 Jun 2020 14:14

Tgt Ion: 117 Resp: 21135
 Ion Ratio Lower Upper
 117 100
 119 6.3 78.2 117.2#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.522 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062237.D

Acq: 30 Jun 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

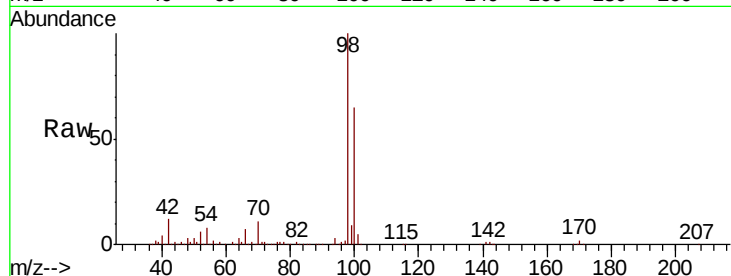
BP-MW180-TB-20200626

Tot Ion: 98 Resp: 516478

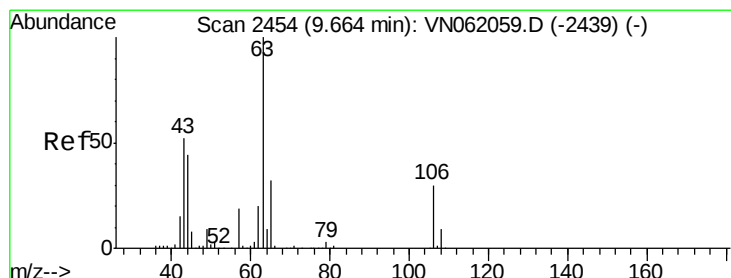
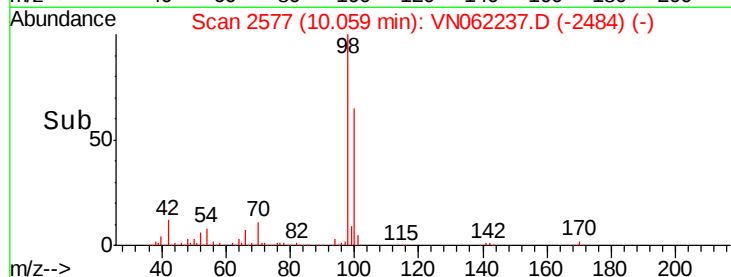
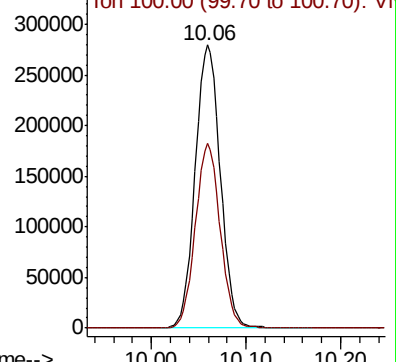
Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062237.D (-2484) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 16.120 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.23 min

Lab File: VN062237.D

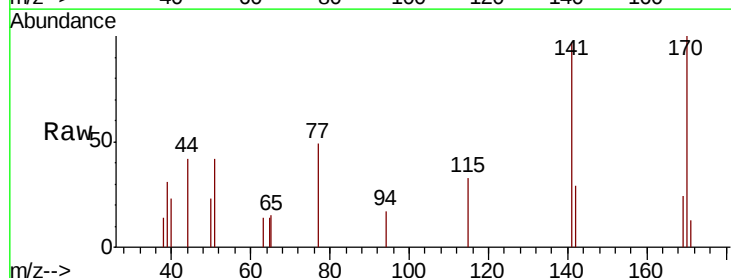
Acq: 30 Jun 2020 14:14

Tgt Ion: 63 Resp: 31

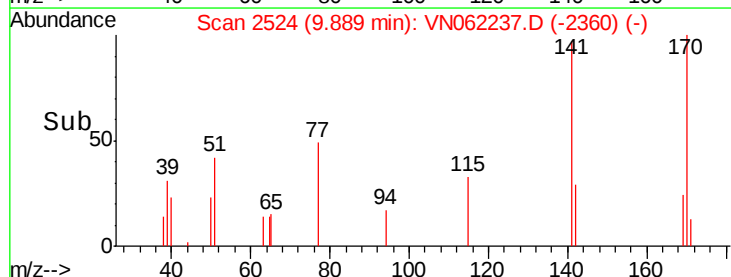
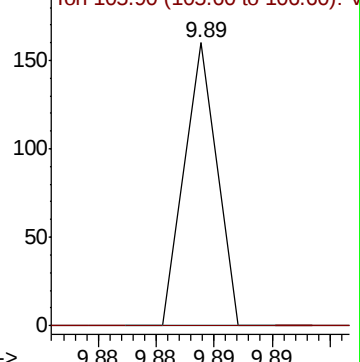
Ion Ratio Lower Upper

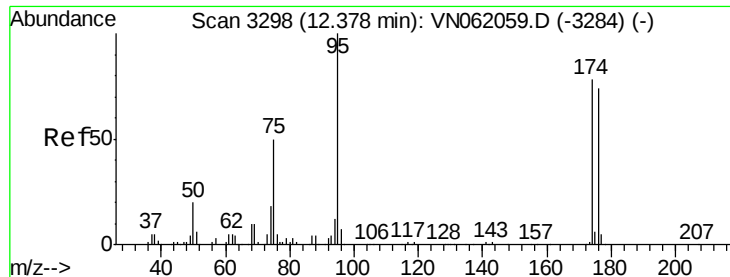
63 100

106 0.0 23.2 34.8#



Abundance Ion 62.90 (62.60 to 63.60): VN062237.D (-2360) (-)

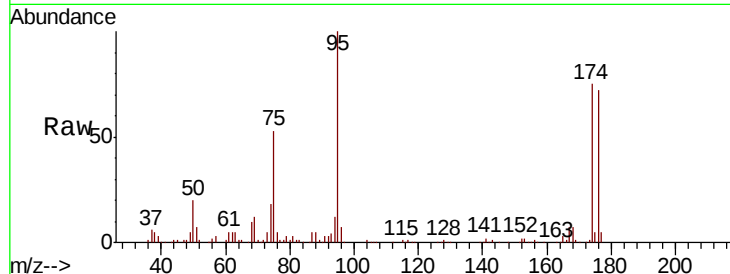




#62
4-Bromofluorobenzene
Concen: 49.962 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062237.D
Acq: 30 Jun 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-TB-20200626

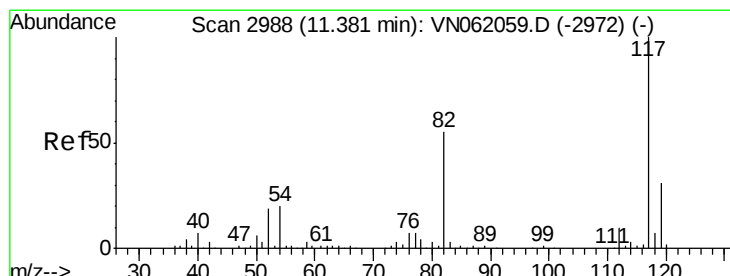
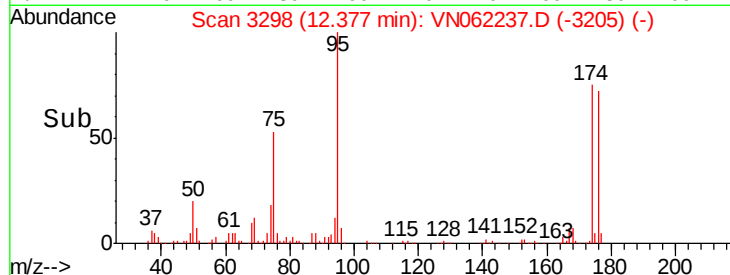
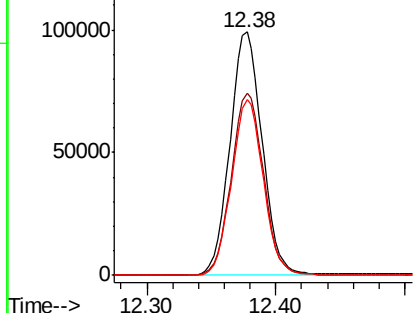
Tot Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	154.8
176	70.9	0.0	147.4



Abundance Ion 94.90 (94.60 to 95.60): VN062237.D (-3205) (-)

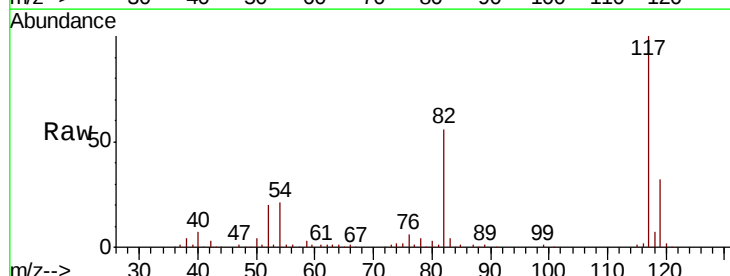
Ion 173.80 (173.50 to 174.50): VN062237.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062237.D (-3205) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062237.D
Acq: 30 Jun 2020 14:14

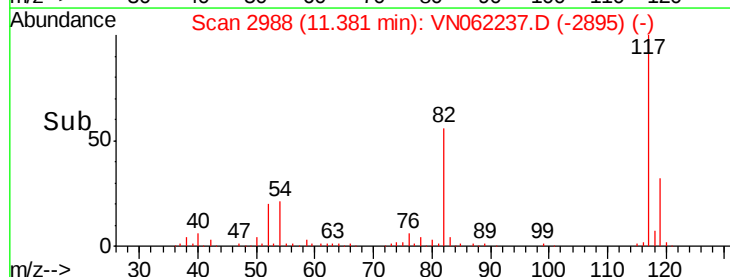
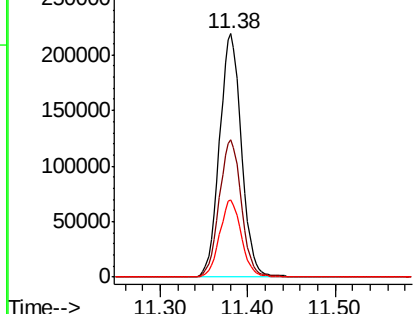
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.8	65.8
119	31.7	25.2	37.8

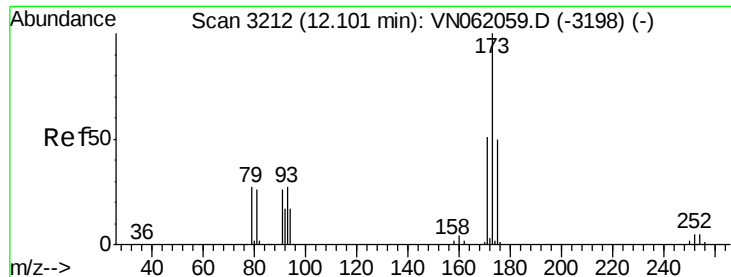


Abundance Ion 116.90 (116.60 to 117.60): VN062237.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062237.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062237.D (-2895) (-)





#71

Bromoform

Concen: 0.817 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062237.D

Acq: 30 Jun 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-TB-20200626

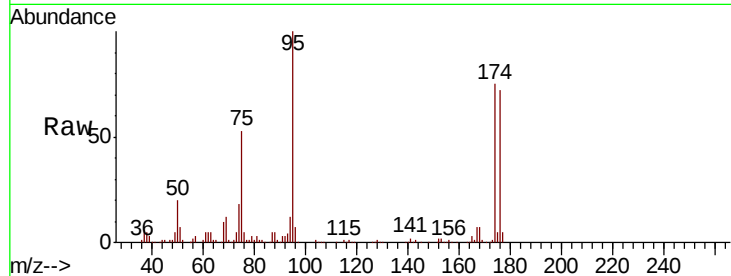
Tot Ion:173 Resp: 1683

Ion Ratio Lower Upper

173 100

175 472.8 24.7 74.1#

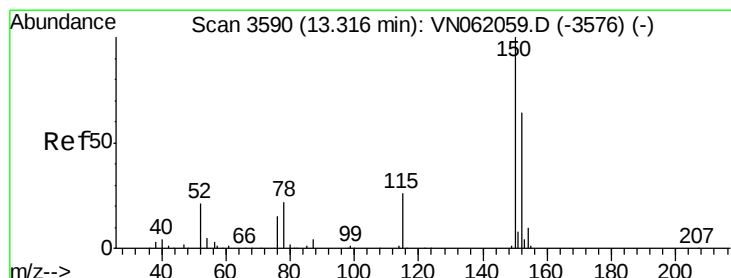
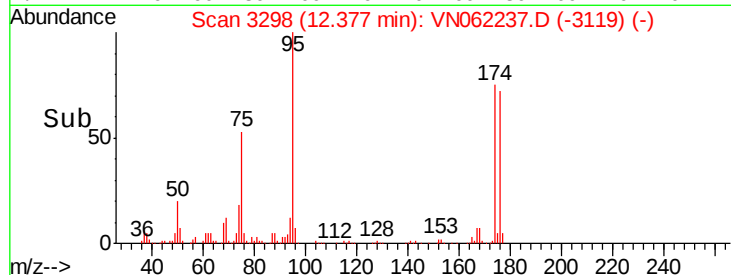
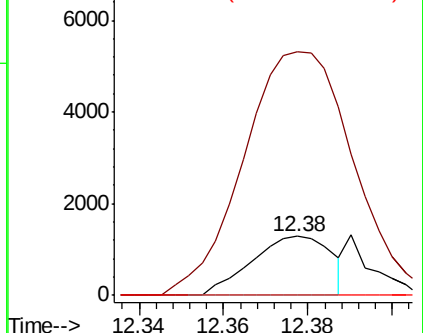
254 0.0 0.0 0.0



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: VN062237.D

Acq: 30 Jun 2020 14:14

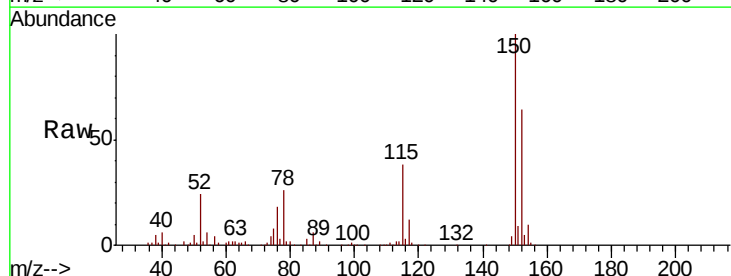
Tgt Ion:152 Resp: 142262

Ion Ratio Lower Upper

152 100

115 60.2 29.5 88.5

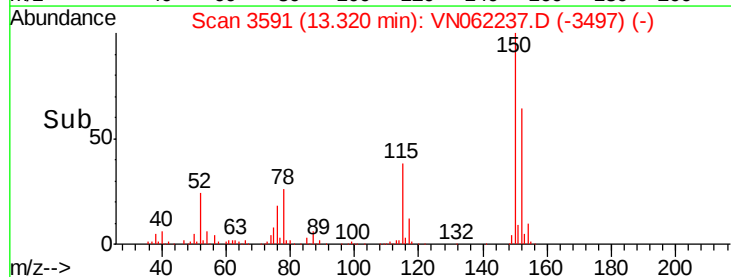
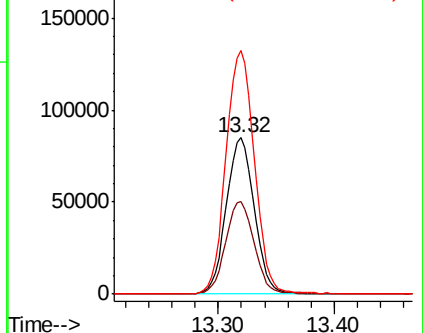
150 157.6 0.0 351.4

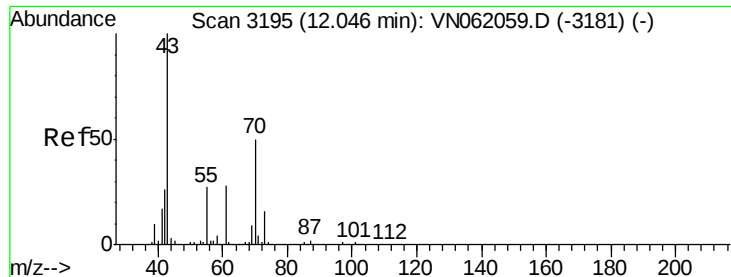


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.359 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.01 min

Lab File: VN062237.D

Acq: 30 Jun 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-TB-20200626

Tot Ion: 43 Resp: 67

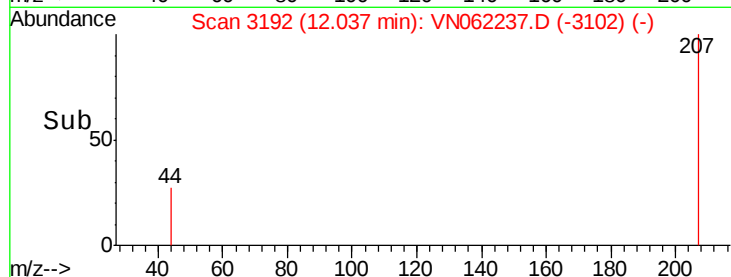
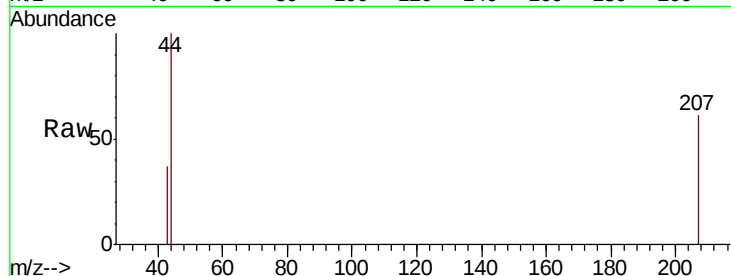
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

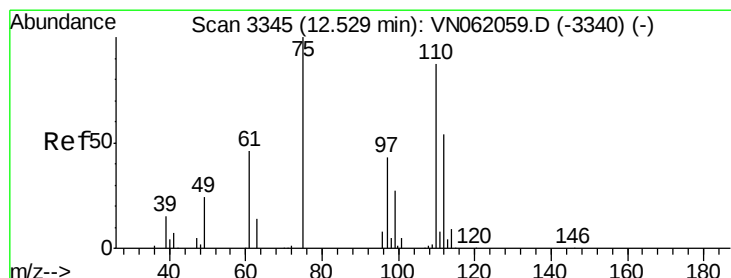
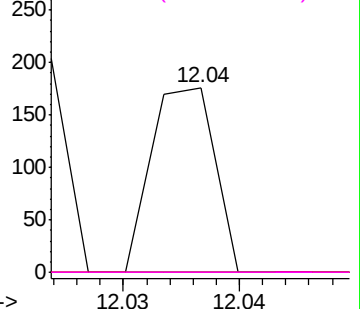


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 27.212 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062237.D

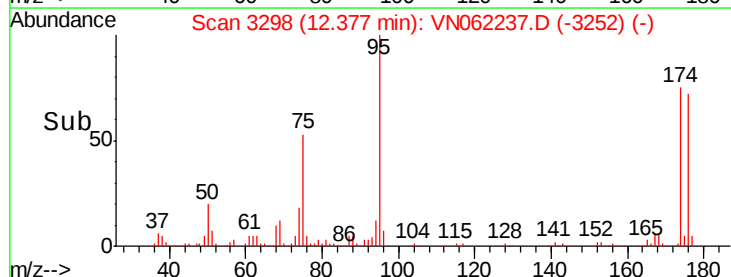
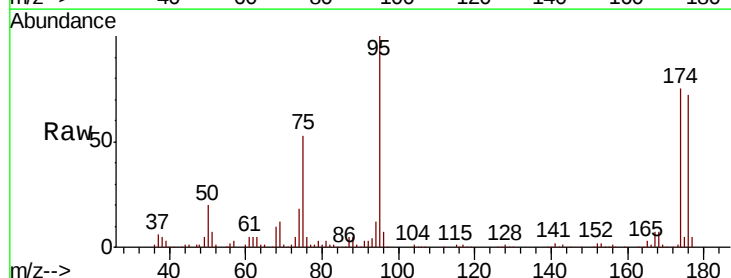
Acq: 30 Jun 2020 14:14

Tgt Ion: 75 Resp: 91132

Ion Ratio Lower Upper

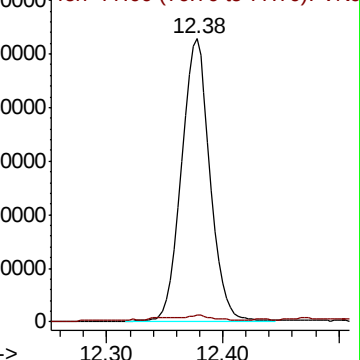
75 100

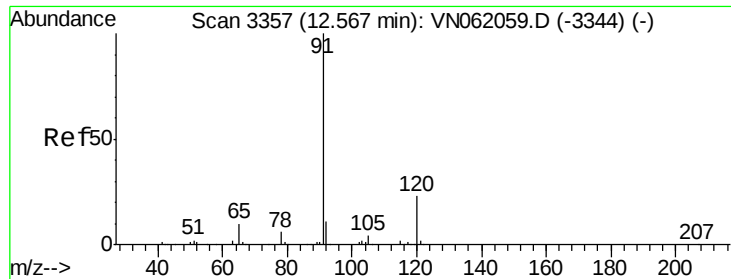
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 2.451 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.08 min

Lab File: VN062237.D

Acq: 30 Jun 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

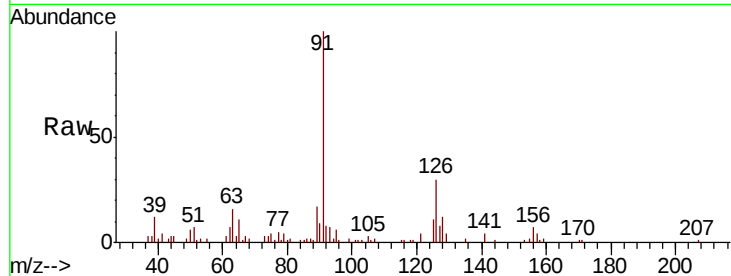
BP-MW180-TB-20200626

Tot Ion: 91 Resp: 30871

Ion Ratio Lower Upper

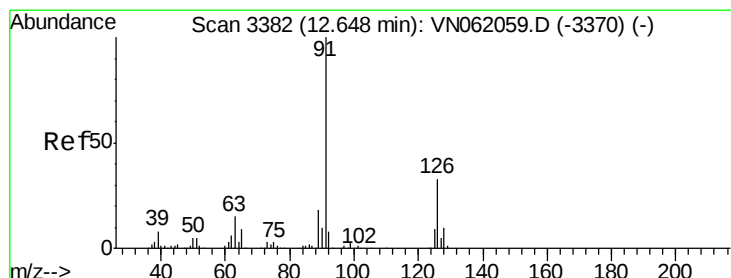
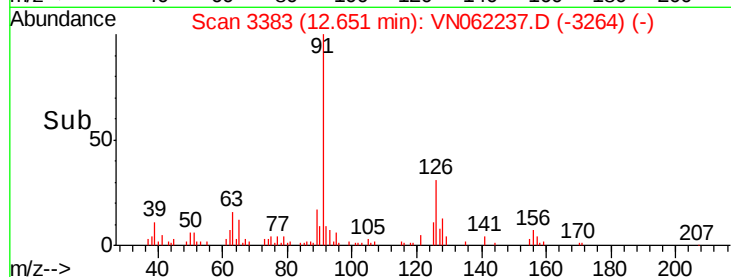
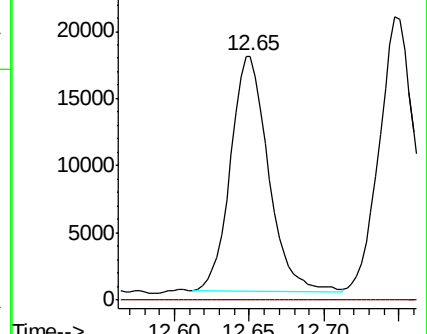
91 100

120 0.0 11.4 34.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 4.054 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062237.D

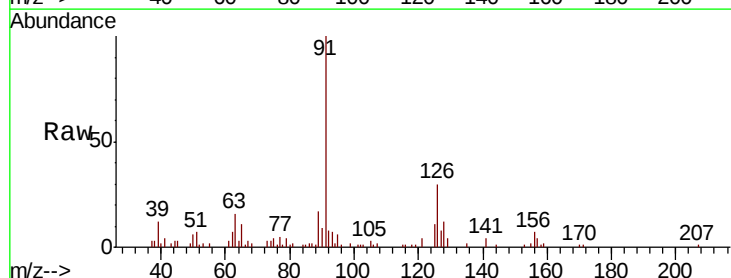
Acq: 30 Jun 2020 14:14

Tgt Ion: 91 Resp: 30871

Ion Ratio Lower Upper

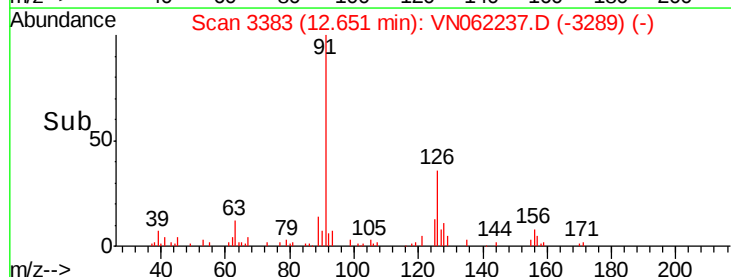
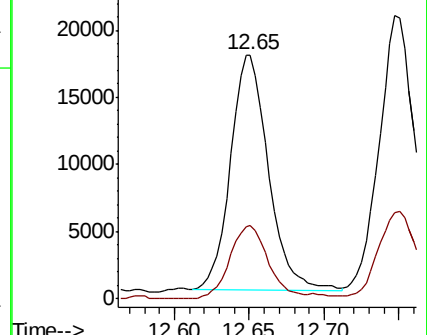
91 100

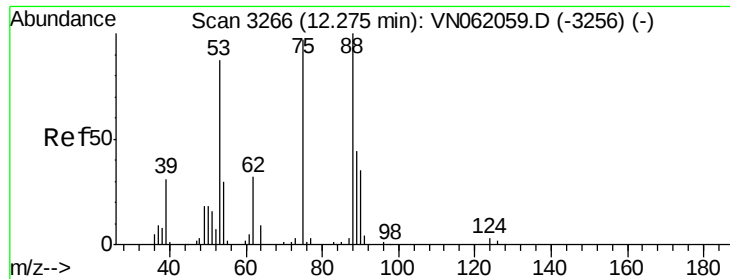
126 31.5 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 79.469 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062237.D

Acq: 30 Jun 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-TB-20200626

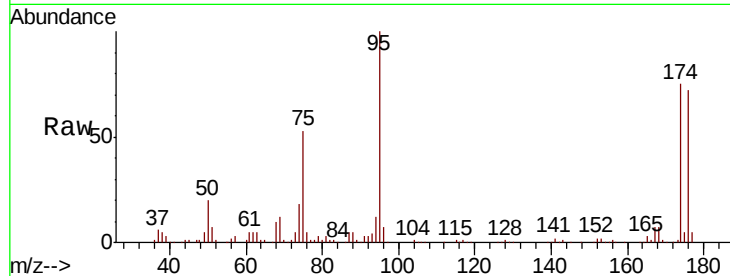
Tot Ion: 75 Resp: 91132

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

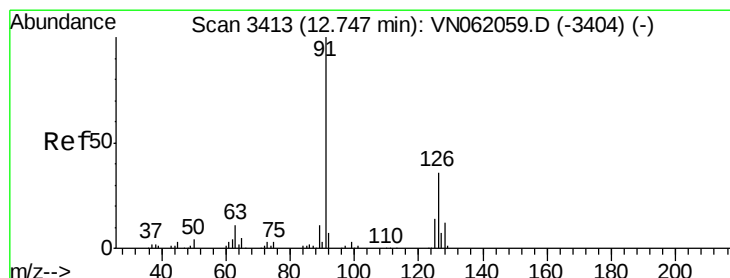
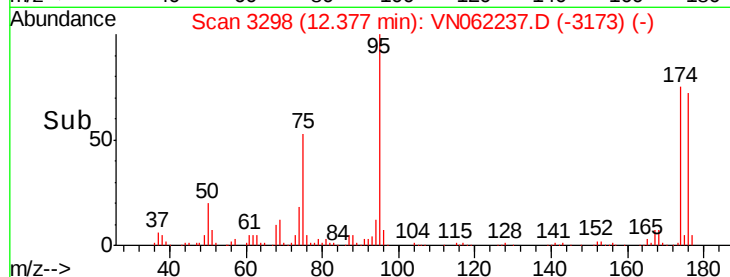
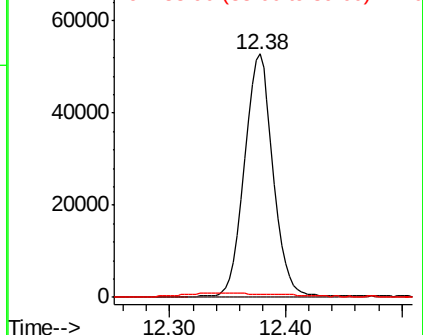
89 0.0 36.9 55.3#



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



#82

4-Chlorotoluene

Concen: 4.457 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062237.D

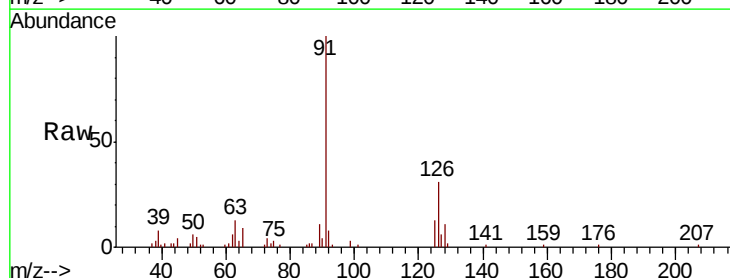
Acq: 30 Jun 2020 14:14

Tgt Ion: 91 Resp: 35096

Ion Ratio Lower Upper

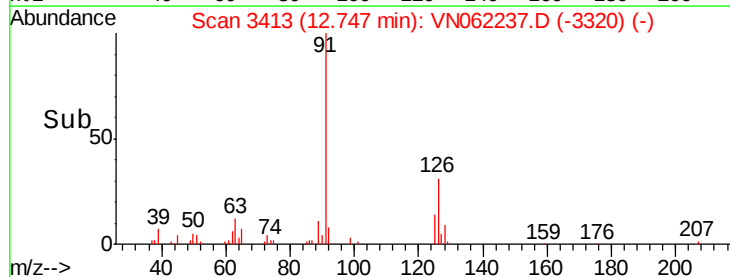
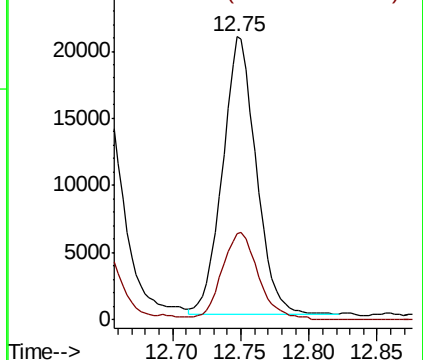
91 100

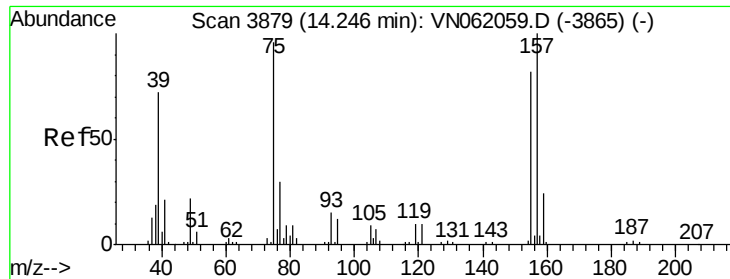
126 34.8 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.836 ug/l

RT: 14.23 min Scan# 3875

Delta R.T. -0.01 min

Lab File: VN062237.D

Acq: 30 Jun 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-TB-20200626

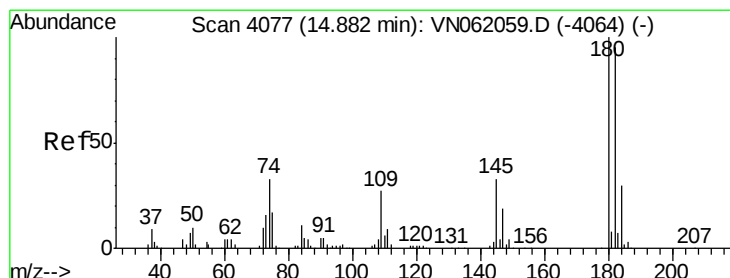
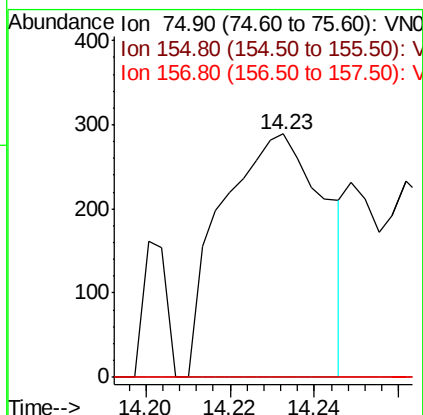
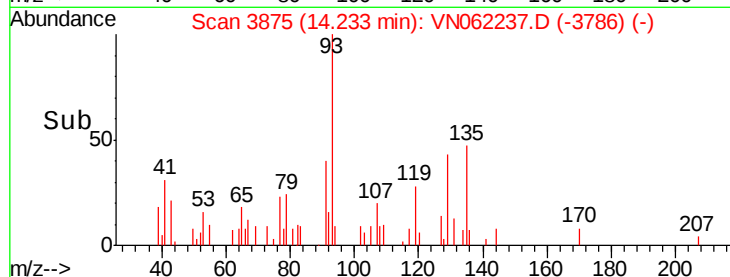
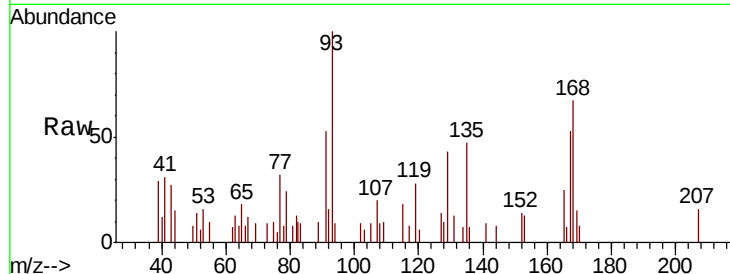
Tot Ion: 75 Resp: 491

Ion Ratio Lower Upper

75 100

155 0.0 40.8 122.4#

157 0.0 51.4 154.3#



#93

1,2,4-Trichlorobenzene

Concen: 1.385 ug/l

RT: 14.84 min Scan# 4064

Delta R.T. -0.04 min

Lab File: VN062237.D

Acq: 30 Jun 2020 14:14

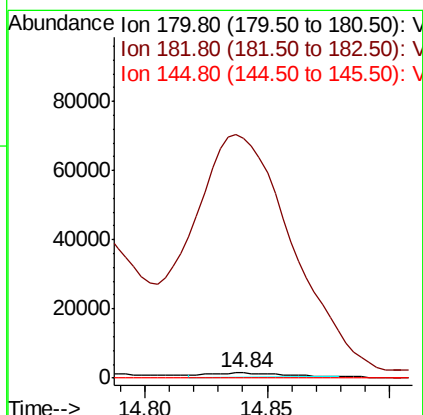
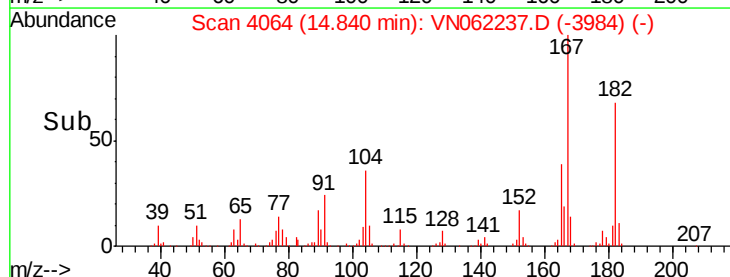
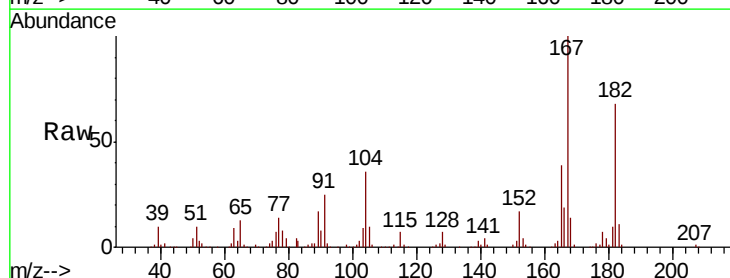
Tgt Ion: 180 Resp: 2817

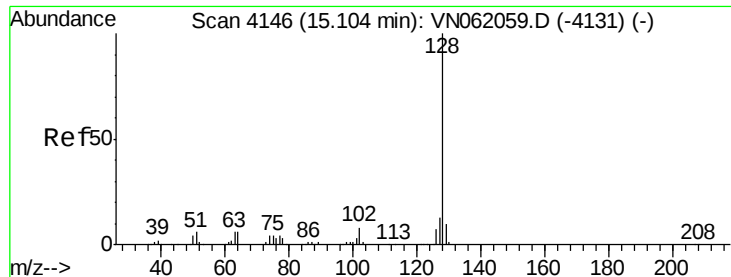
Ion Ratio Lower Upper

180 100

182 7191.7 48.0 144.2#

145 0.0 16.0 48.0#

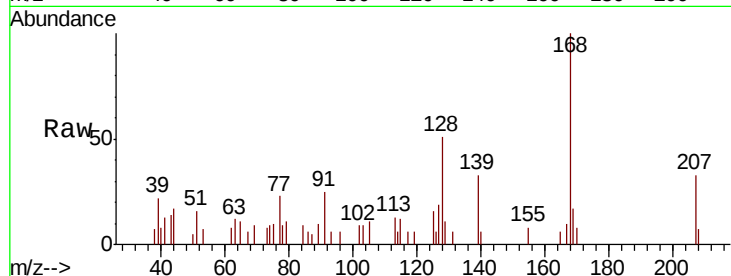




#95
Naphthalene
Concen: 4.412 ug/l
RT: 15.11 min Scan# 4148
Delta R.T. 0.01 min
Lab File: VN062237.D
Acq: 30 Jun 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-TB-20200626

Tot Ion	Ratio	Lower	Upper
128	100		
127	40.9	10.5	15.7#
129	0.0	8.6	13.0#



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

