

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070920\
 Data File : VN062454.D
 Acq On : 9 Jul 2020 13:53
 Operator : JC/MD
 Sample : L3164-04DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-GW-588-590DL

Quant Time: Jul 09 14:13:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	210203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	383699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	363081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136210	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	164690	50.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.88%	
35) Dibromofluoromethane	7.55	113	119629	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	
50) Toluene-d8	10.06	98	487127	52.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.38	95	178495	52.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.34%	

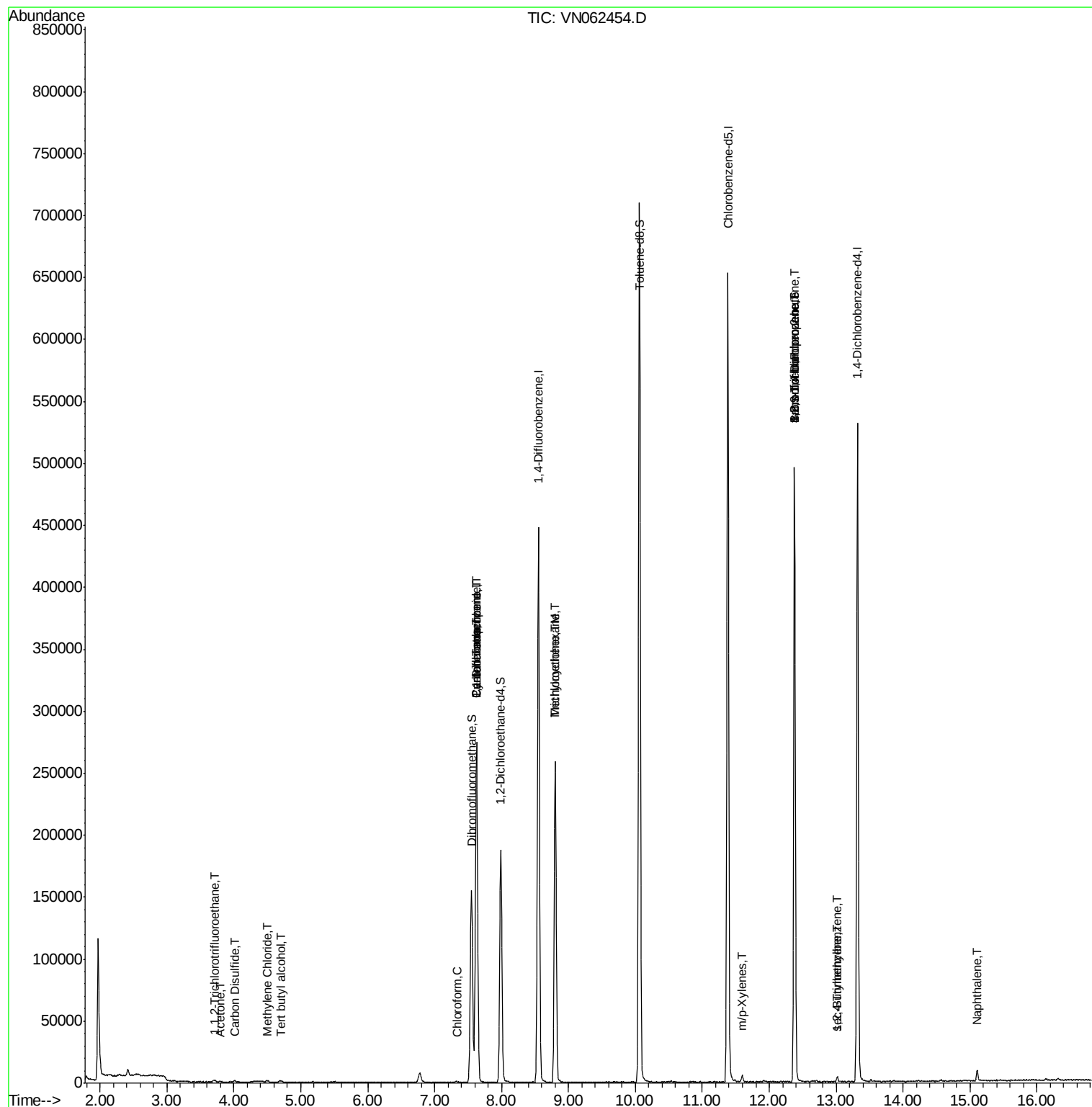
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.71	101	941	0.444	ug/l #	64
11) Tert butyl alcohol	4.70	59	977	1.822	ug/l #	74
16) Acetone	3.79	43	538	0.392	ug/l #	45
17) Carbon Disulfide	4.01	76	2143	0.317	ug/l #	75
20) Methylene Chloride	4.50	84	1096	0.373	ug/l #	72
30) Chloroform	7.33	83	1128	0.241	ug/l #	81
31) Cyclohexane	7.63	56	5064	1.031	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	19214	4.970	ug/l #	51
38) Carbon Tetrachloride	7.63	117	21498	6.186	ug/l #	16
39) Methylcyclohexane	8.81	83	1264	0.306	ug/l #	1
44) Trichloroethene	8.80	130	92225	36.484	ug/l	100
68) m/p-Xylenes	11.59	106	1829	0.390	ug/l	97
71) Bromoform	12.37	173	445	0.233	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	95570	28.596	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	95570	76.538	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.02	105	2718	0.316	ug/l	100
85) sec-Butylbenzene	13.02	105	2718	0.280	ug/l #	58
95) Naphthalene	15.10	128	7906	0.858	ug/l	97

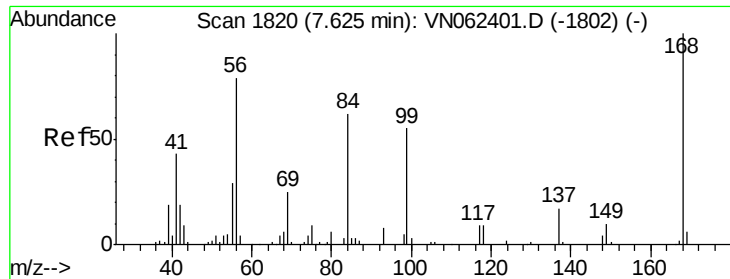
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN070920\
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Quant Title : SW846 8260
QLast Update : Thu Jul 09 02:12:34 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: VN062454.D

Acq: 9 Jul 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

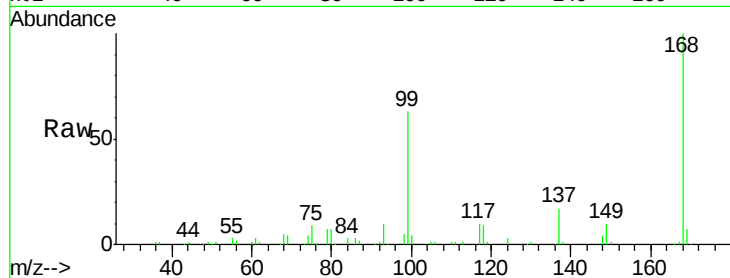
BP-MW180-GW-588-590DL

Tgt Ion:168 Resp: 210203

Ion Ratio Lower Upper

168 100

99 63.1 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

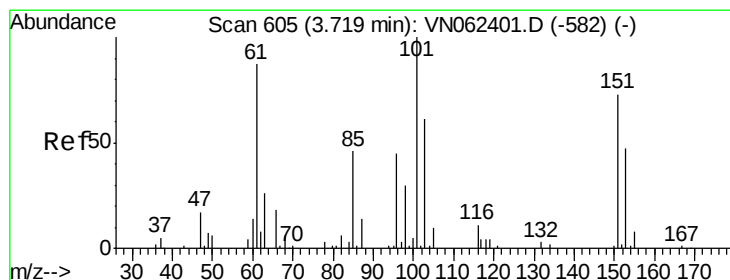
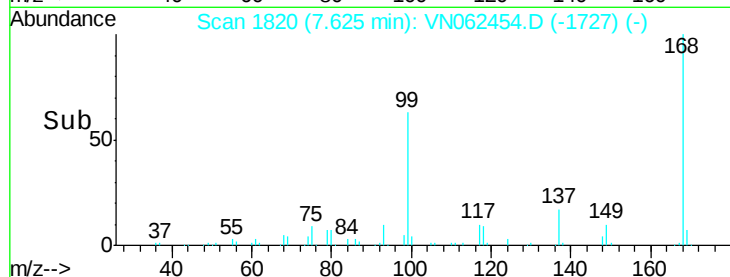
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.444 ug/l

RT: 3.71 min Scan# 601

Delta R.T. -0.01 min

Lab File: VN062454.D

Acq: 9 Jul 2020 13:53

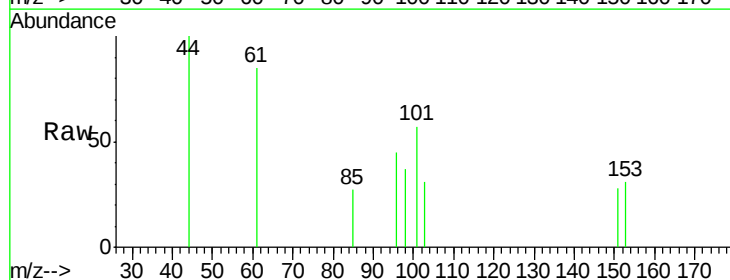
Tgt Ion:101 Resp: 941

Ion Ratio Lower Upper

101 100

85 34.0 36.7 55.1#

151 32.7 58.3 87.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

3.71

400

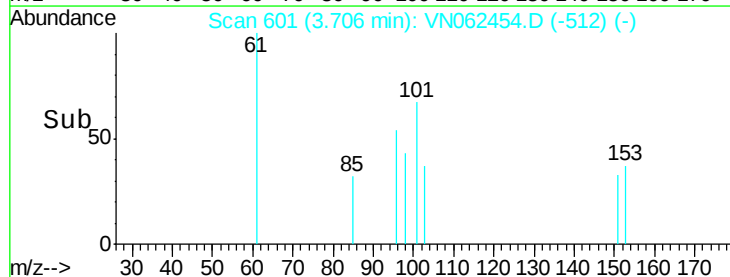
300

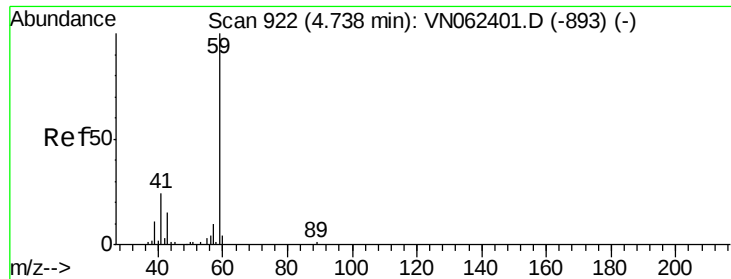
200

100

0

Time--> 3.70 3.75

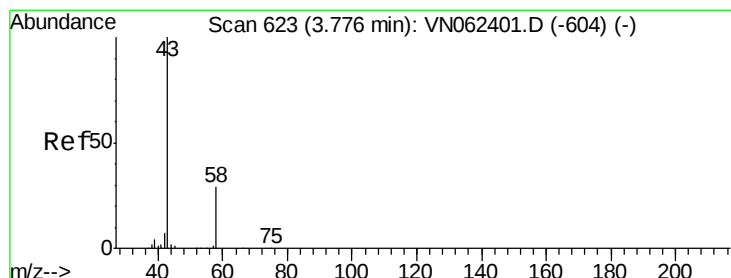
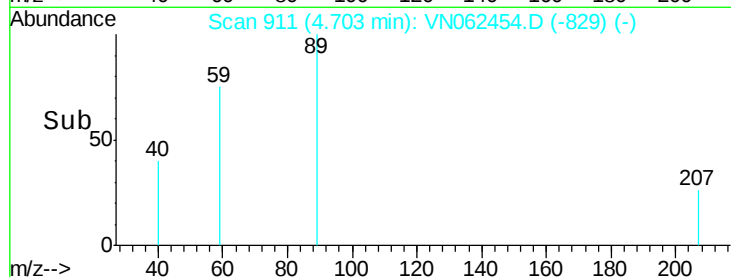
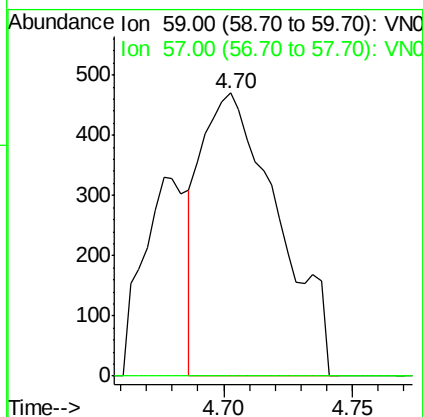
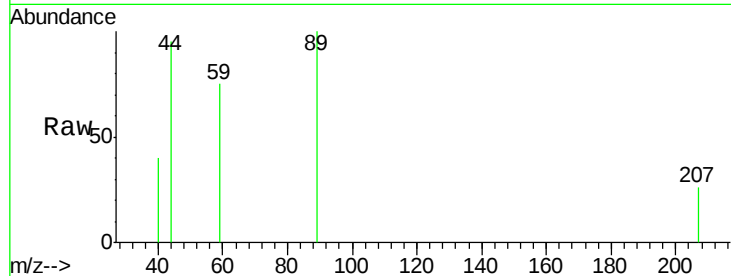




#11
Tert butyl alcohol
Concen: 1.822 ug/l
RT: 4.70 min Scan# 911
Delta R.T. -0.04 min
Lab File: VN062454.D
Acq: 9 Jul 2020 13:53

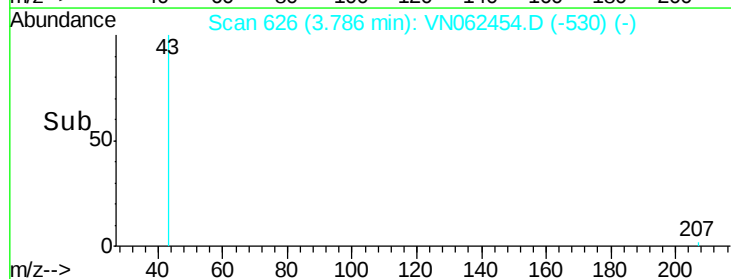
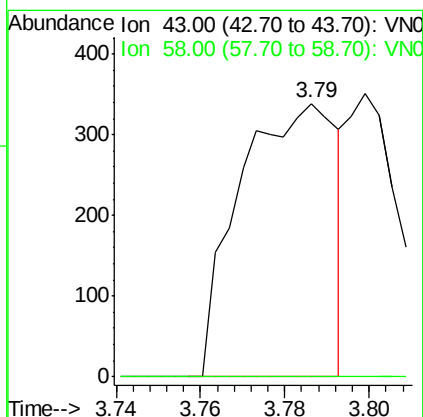
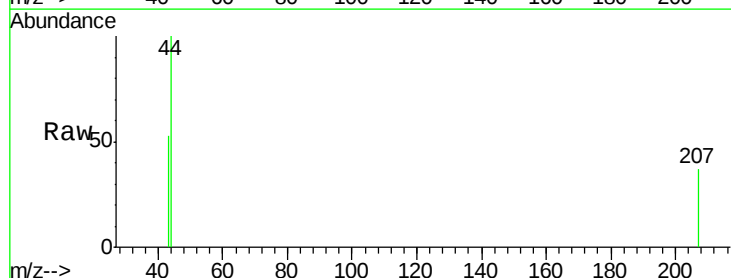
Instrument :
MSVOA_N
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BP-MW180-GW-588-590DL

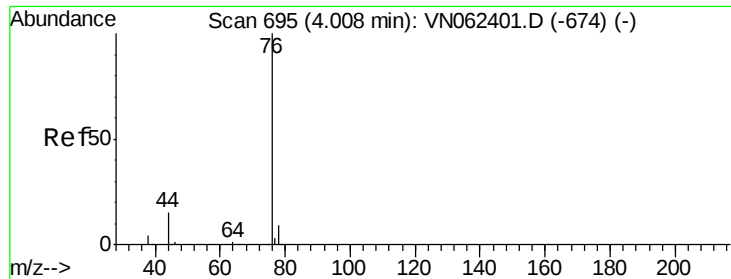
Tgt Ion: 59 Resp: 977
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 0.392 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN062454.D
Acq: 9 Jul 2020 13:53

Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
58 0.0 23.5 35.3#

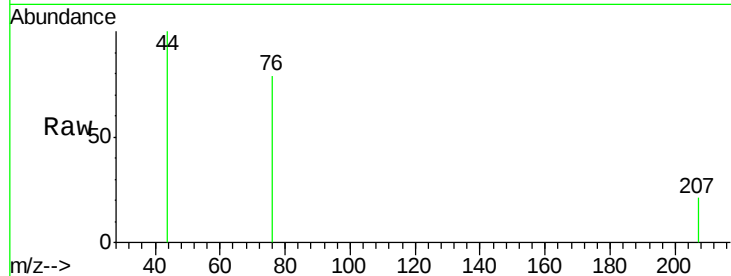




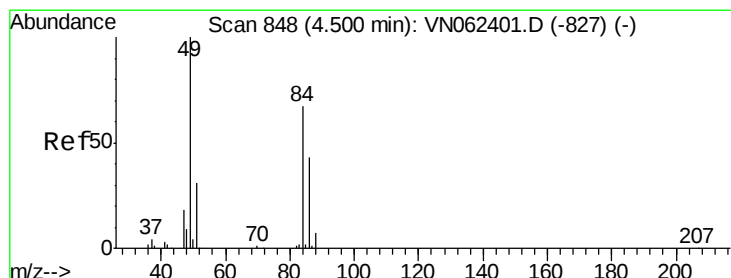
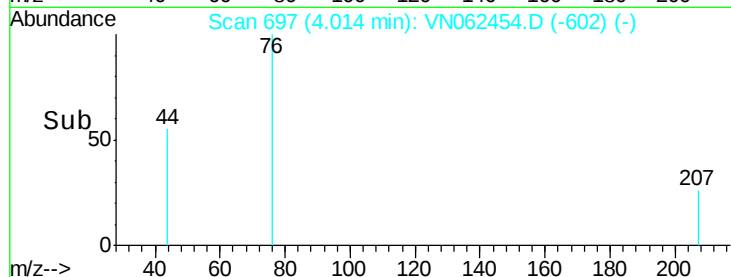
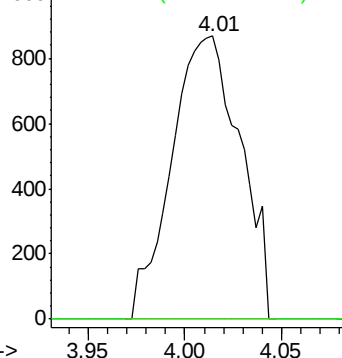
#17
Carbon Disulfide
Concen: 0.317 ug/l
RT: 4.01 min Scan# 697
Delta R.T. 0.01 min
Lab File: VN062454.D
Acq: 9 Jul 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-GW-588-590DL

Tgt Ion: 76 Resp: 2143
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

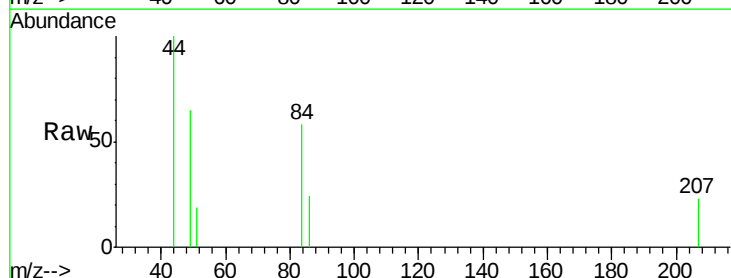


Abundance Ion 75.90 (75.60 to 76.60): VN062401.D (-674) (-)
Ion 77.90 (77.60 to 78.60): VN062401.D (-674) (-)

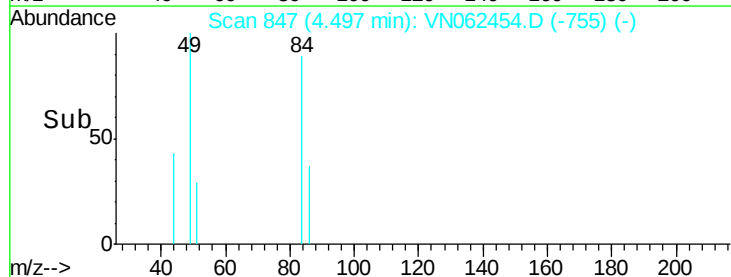
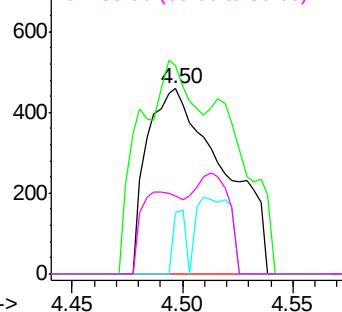


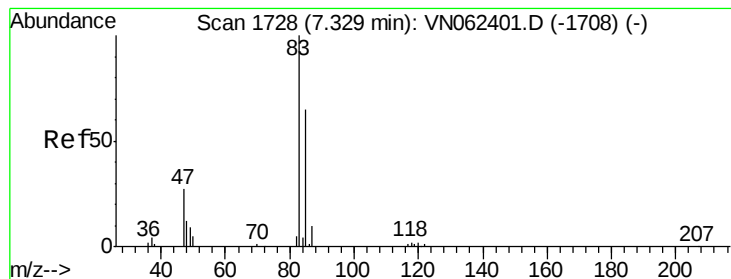
#20
Methylene Chloride
Concen: 0.373 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062454.D
Acq: 9 Jul 2020 13:53

Tgt Ion: 84 Resp: 1096
Ion Ratio Lower Upper
84 100
49 112.9 120.0 180.0#
51 33.1 37.0 55.6#
86 41.8 51.8 77.6#



Abundance Ion 83.90 (83.60 to 84.60): VN062401.D (-827) (-)
Ion 48.90 (48.60 to 49.60): VN062401.D (-827) (-)
Ion 50.90 (50.60 to 51.60): VN062401.D (-827) (-)
Ion 85.90 (85.60 to 86.60): VN062401.D (-827) (-)





#30

Chloroform

Concen: 0.241 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN062454.D

Acq: 9 Jul 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

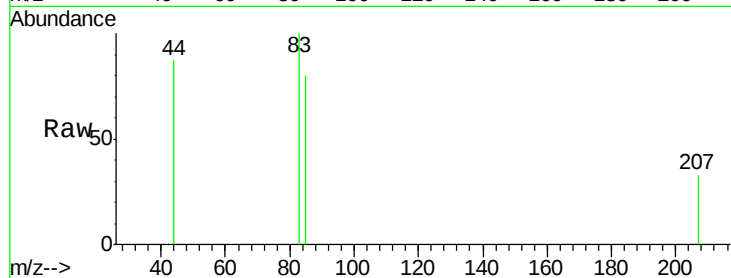
BP-MW180-GW-588-590DL

Tgt Ion: 83 Resp: 1128

Ion Ratio Lower Upper

83 100

85 79.9 51.8 77.6#

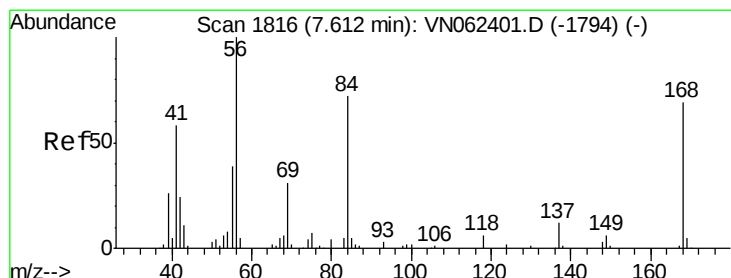
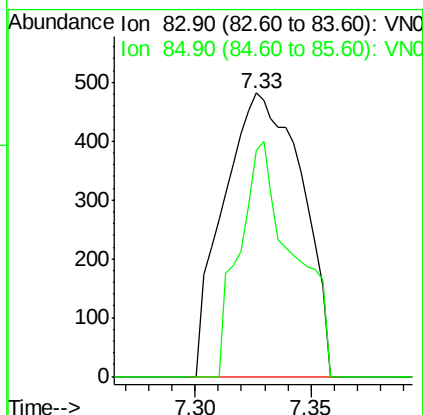
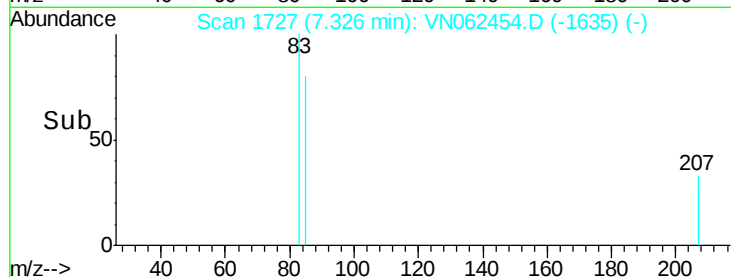


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

7.33

Time-->



#31

Cyclohexane

Concen: 1.031 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.02 min

Lab File: VN062454.D

Acq: 9 Jul 2020 13:53

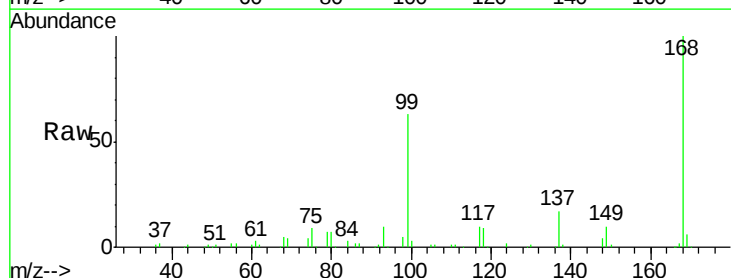
Tgt Ion: 56 Resp: 5064

Ion Ratio Lower Upper

56 100

69 176.5 24.5 36.7#

84 130.3 57.4 86.2#



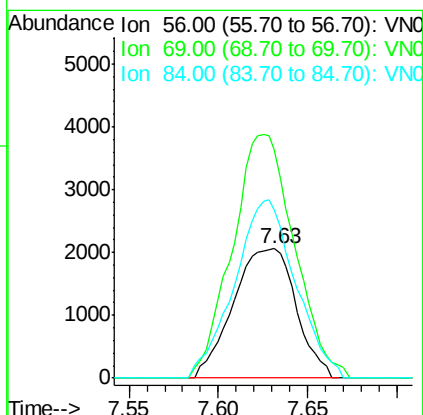
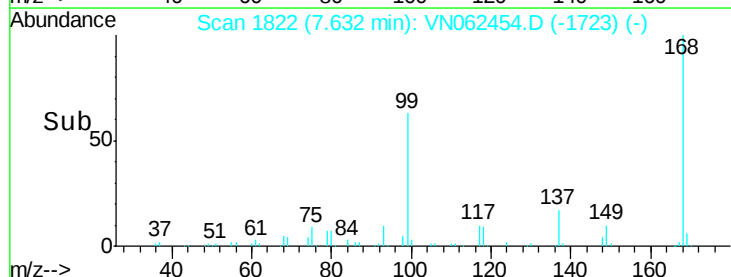
Abundance Ion 56.00 (55.70 to 56.70): VN0

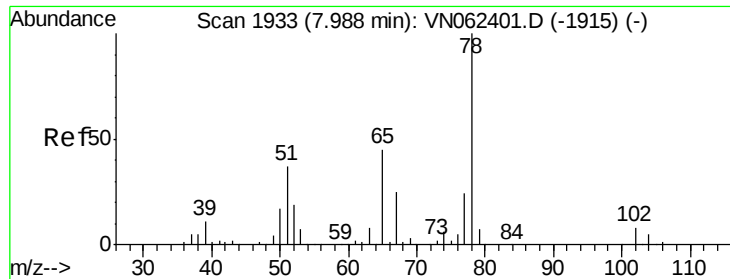
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

7.63

Time-->

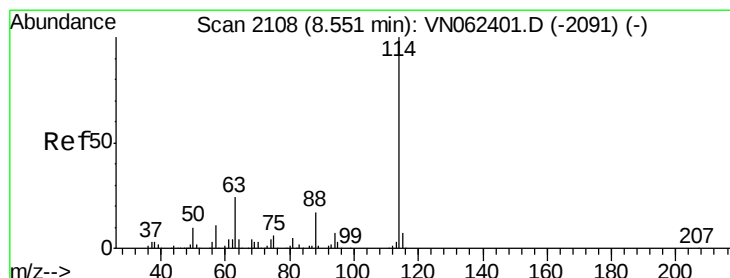
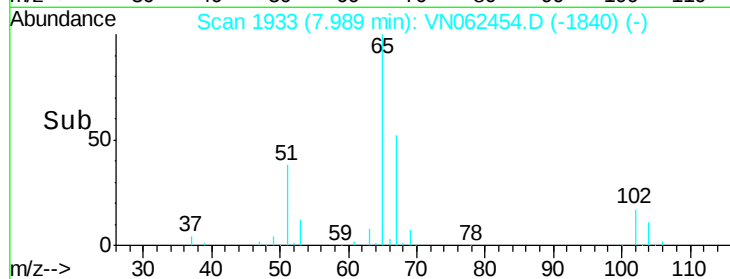
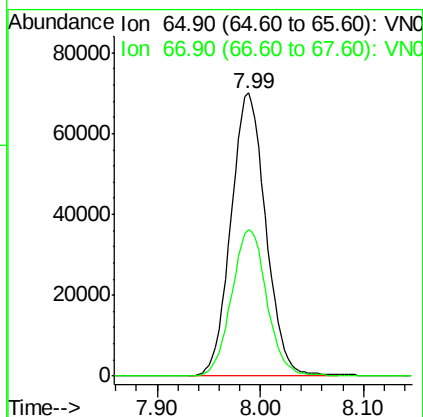
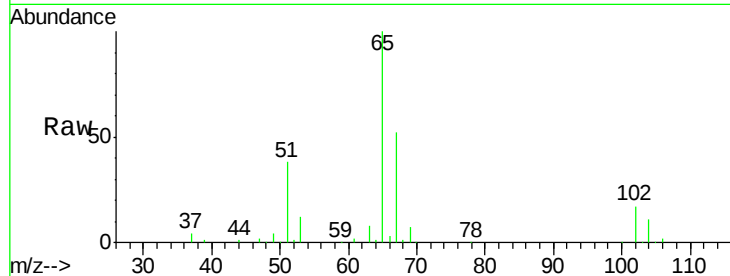




#33
 1,2-Dichloroethane-d4
 Concen: 50.937 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062454.D
 Acq: 9 Jul 2020 13:53

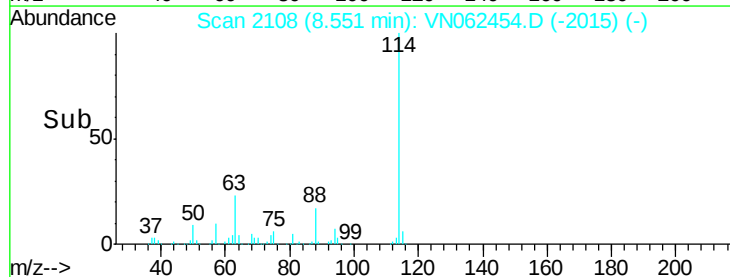
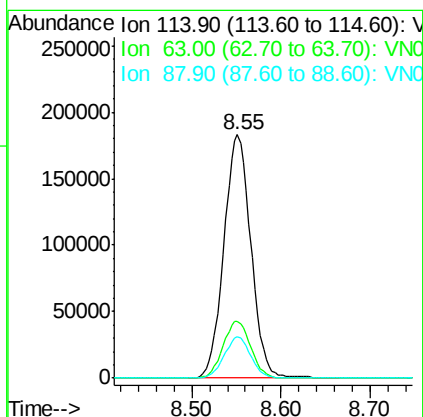
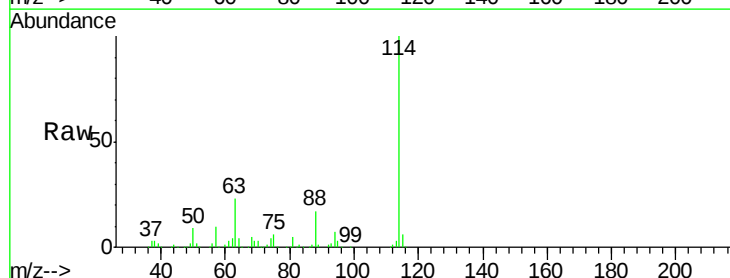
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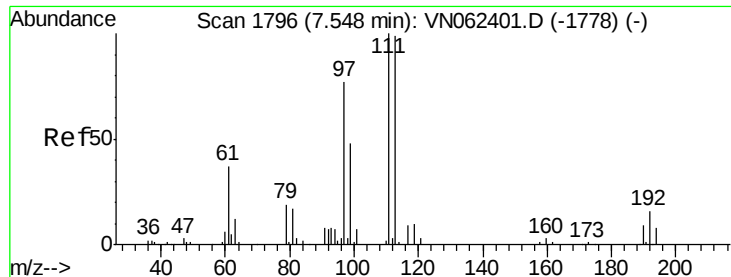
Tgt Ion: 65 Resp: 164690
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062454.D
 Acq: 9 Jul 2020 13:53

Tgt Ion: 114 Resp: 383699
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 48.4
 88 17.0 0.0 33.8

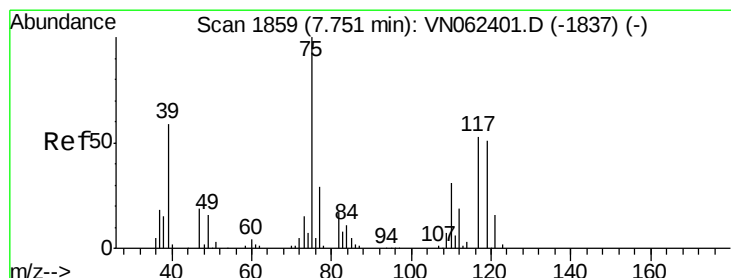
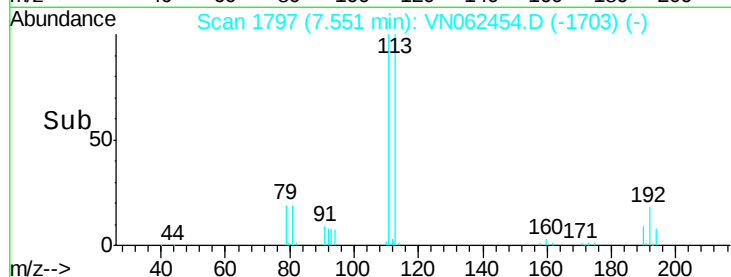
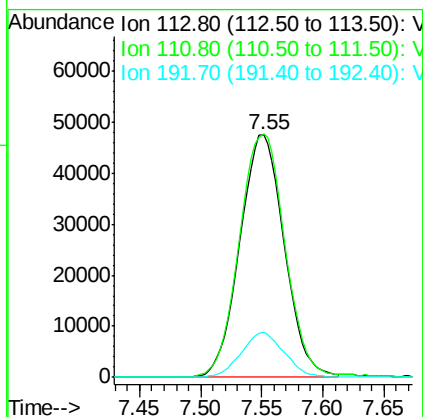
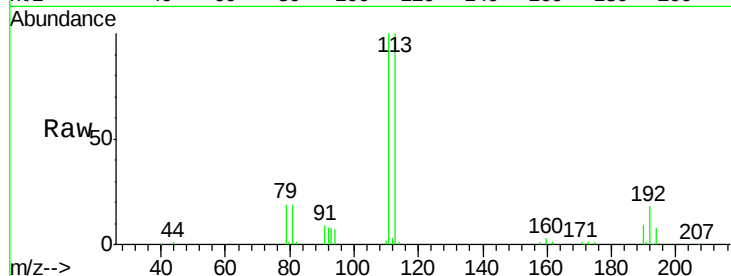




#35
 Dibromofluoromethane
 Concen: 50.439 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062454.D
 Acq: 9 Jul 2020 13:53

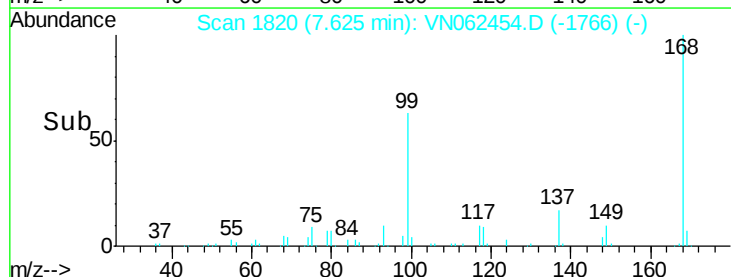
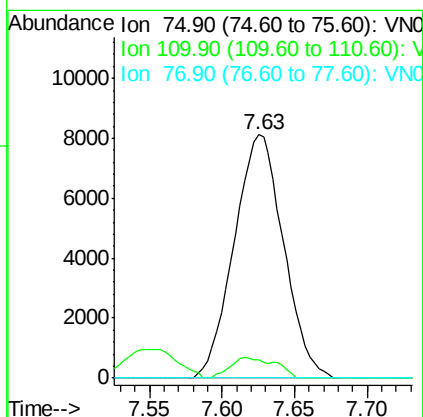
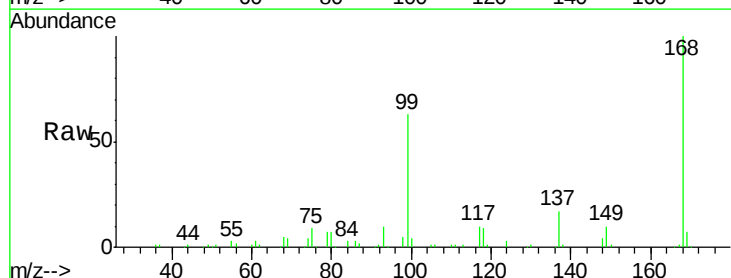
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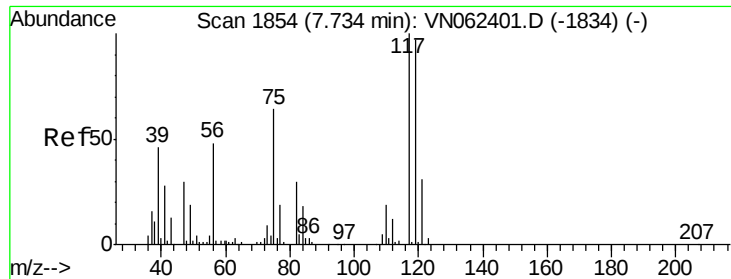
Tgt Ion:113 Resp: 119629
 Ion Ratio Lower Upper
 113 100
 111 104.3 83.1 124.7
 192 17.9 14.1 21.1



#36
 1,1-Dichloropropene
 Concen: 4.970 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062454.D
 Acq: 9 Jul 2020 13:53

Tgt Ion: 75 Resp: 19214
 Ion Ratio Lower Upper
 75 100
 110 7.8 15.4 46.2#
 77 0.0 24.1 36.1#

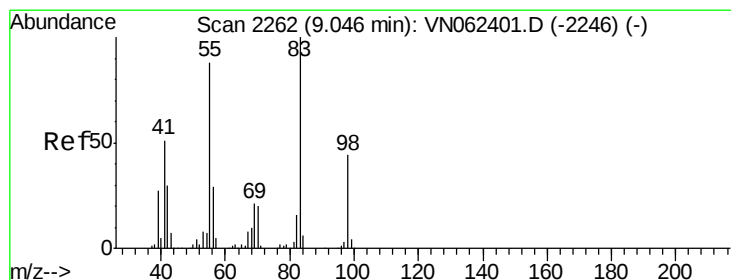
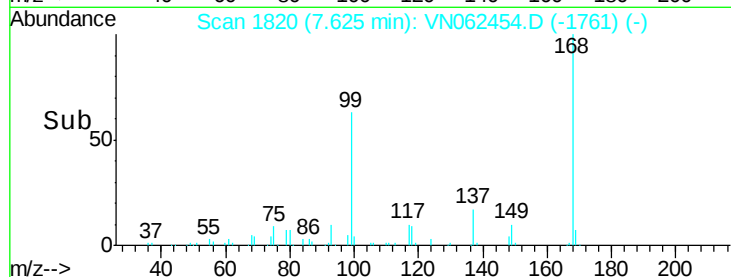
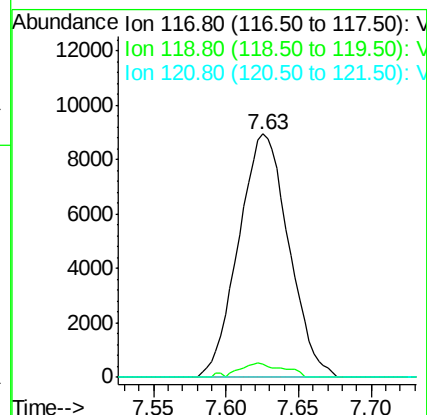
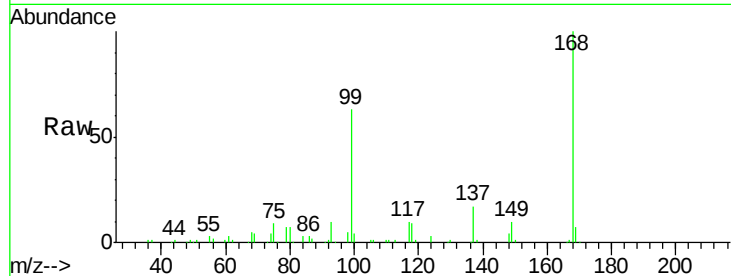




#38
Carbon Tetrachloride
Concen: 6.186 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062454.D
Acq: 9 Jul 2020 13:53

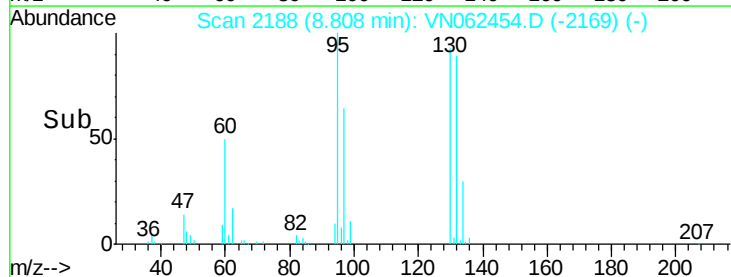
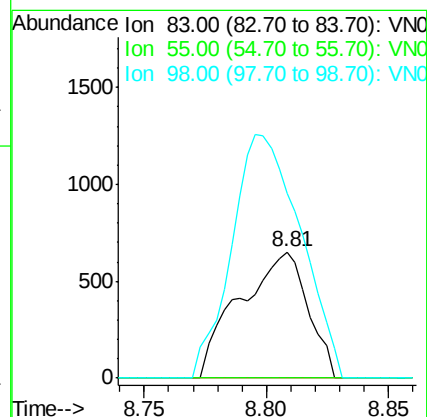
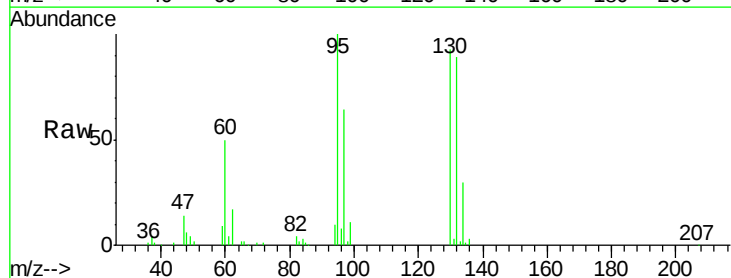
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-GW-588-590DL

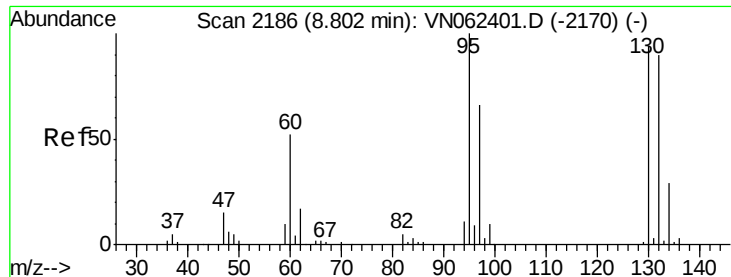
Tgt Ion:117 Resp: 21498
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.306 ug/l
RT: 8.81 min Scan# 2188
Delta R.T. -0.24 min
Lab File: VN062454.D
Acq: 9 Jul 2020 13:53

Tgt Ion: 83 Resp: 1264
Ion Ratio Lower Upper
83 100
55 0.0 70.5 105.7#
98 147.2 35.5 53.3#





#44

Trichloroethene

Concen: 36.484 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062454.D

Acq: 9 Jul 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

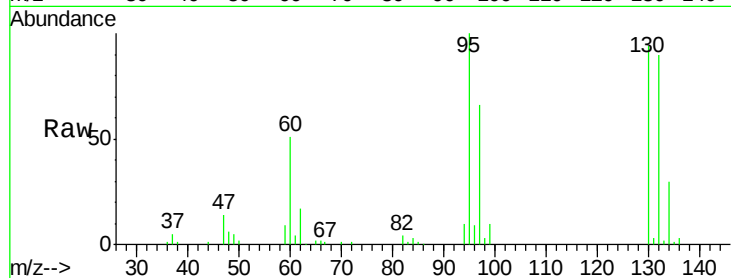
BP-MW180-GW-588-590DL

Tgt Ion:130 Resp: 92225

Ion Ratio Lower Upper

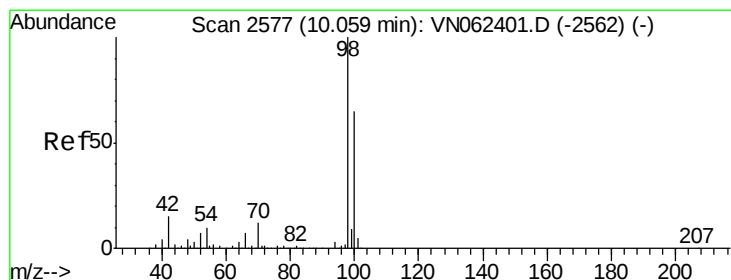
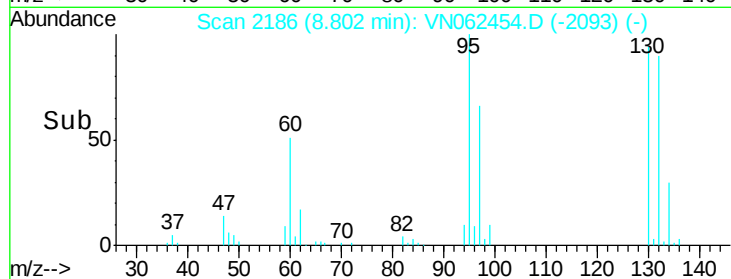
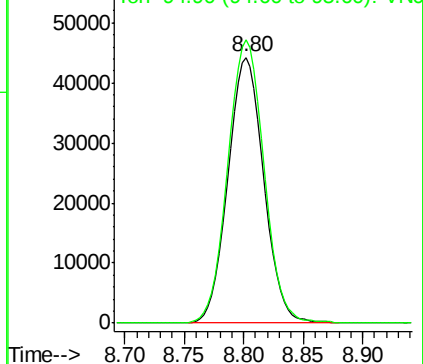
130 100

95 106.5 0.0 213.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 52.026 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062454.D

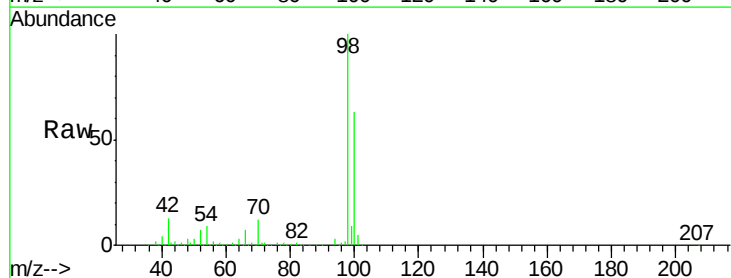
Acq: 9 Jul 2020 13:53

Tgt Ion: 98 Resp: 487127

Ion Ratio Lower Upper

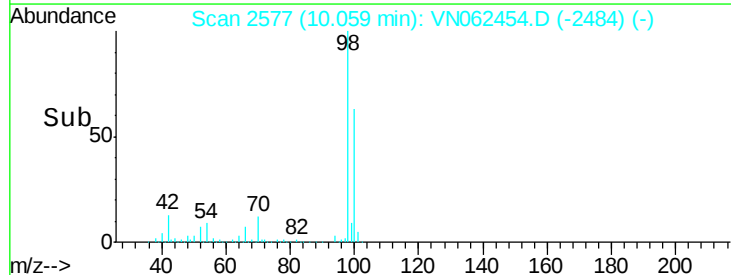
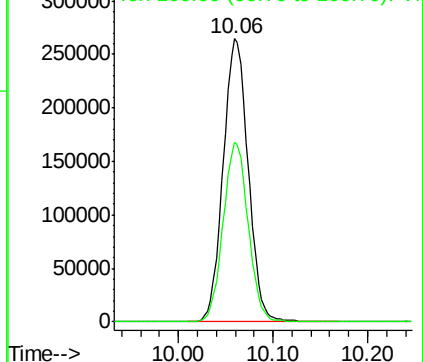
98 100

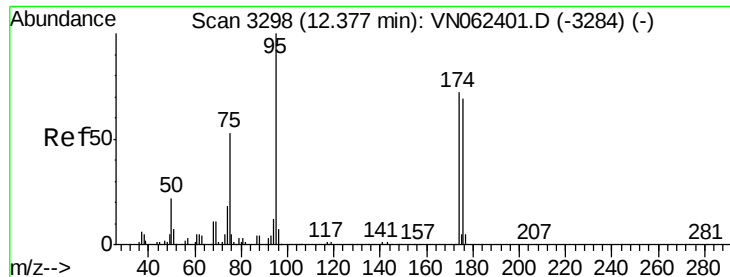
100 63.6 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 52.168 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062454.D

Acq: 9 Jul 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-GW-588-590DL

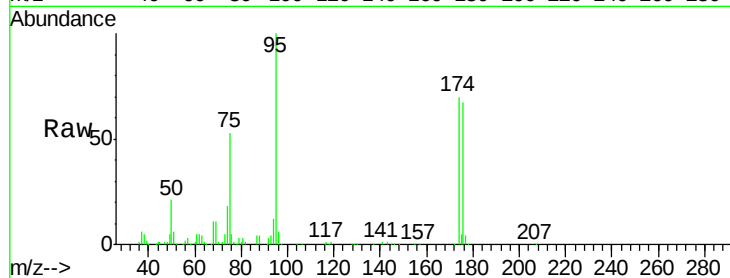
Tgt Ion: 95 Resp: 178495

Ion Ratio Lower Upper

95 100

174 70.8 0.0 141.6

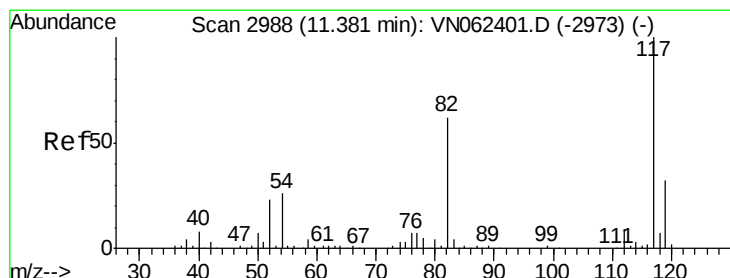
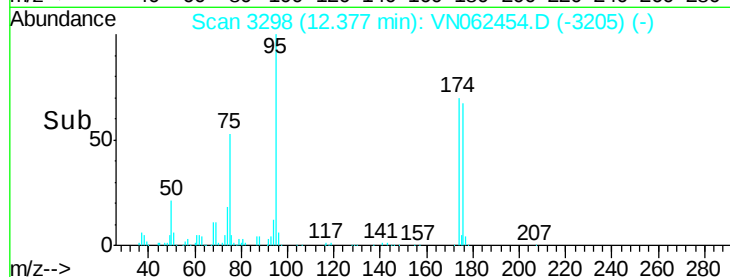
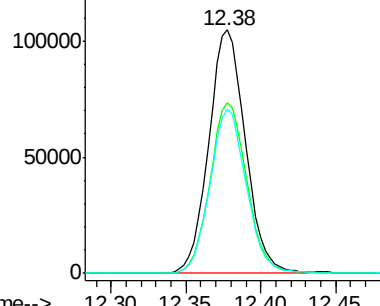
176 67.0 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062401.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062401.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062401.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062454.D

Acq: 9 Jul 2020 13:53

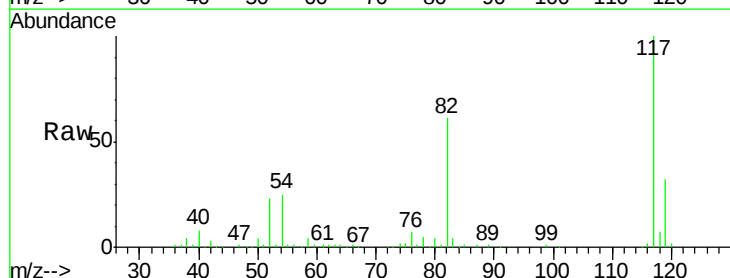
Tgt Ion: 117 Resp: 363081

Ion Ratio Lower Upper

117 100

82 61.5 49.6 74.4

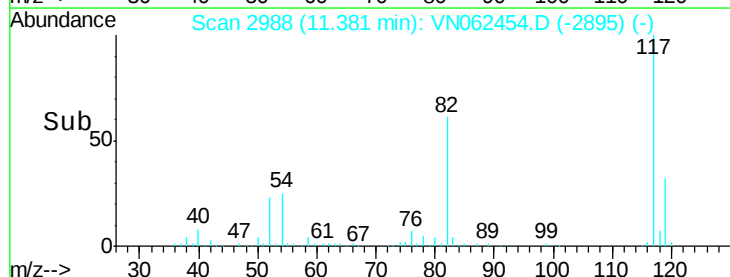
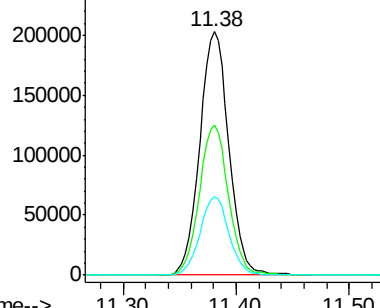
119 32.2 25.4 38.0

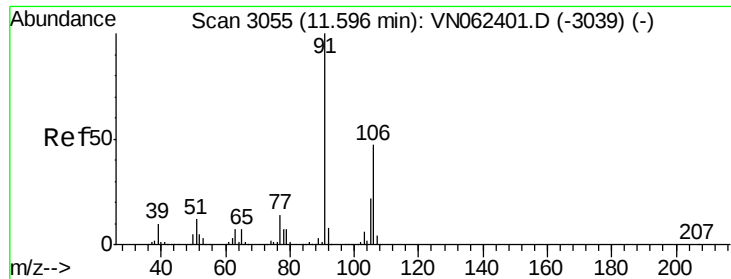


Abundance Ion 116.90 (116.60 to 117.60): VN062401.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN062401.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN062401.D (-2973) (-)

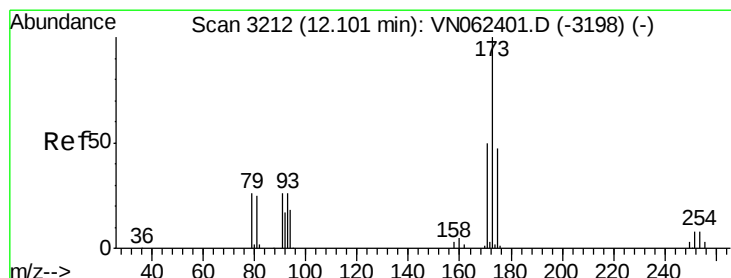
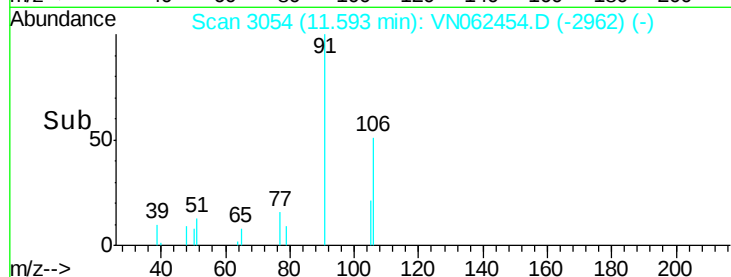
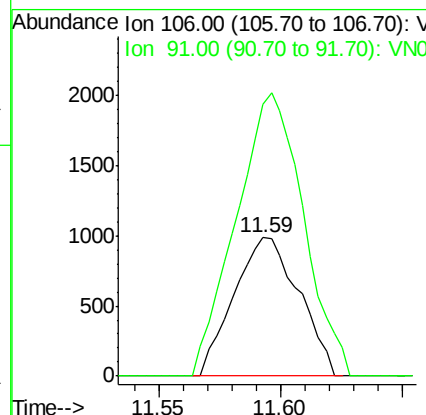
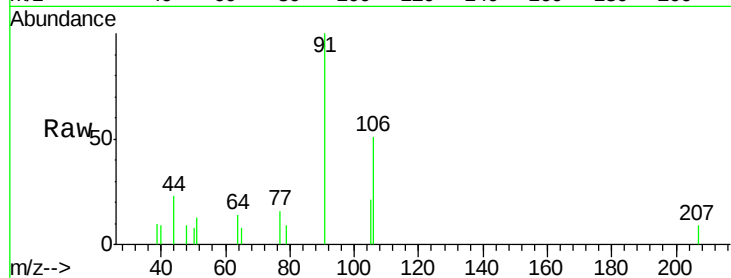




#68
m/p-Xylenes
Concen: 0.390 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062454.D
Acq: 9 Jul 2020 13:53

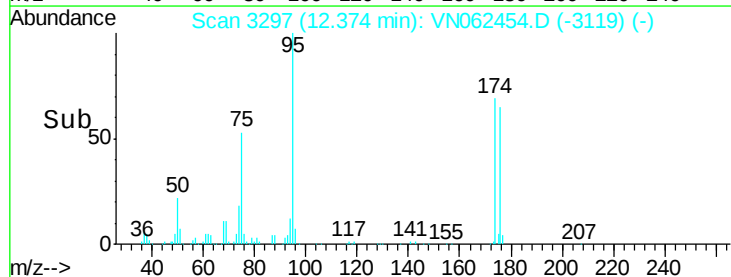
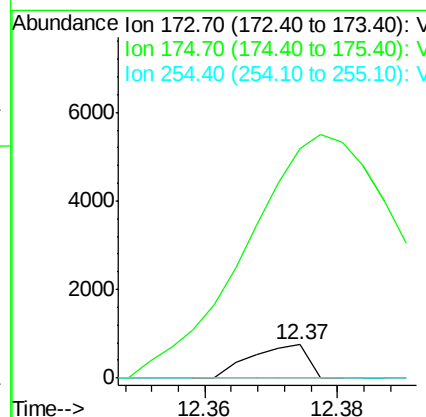
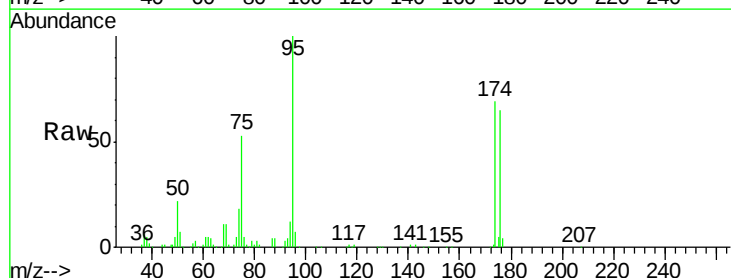
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-GW-588-590DL

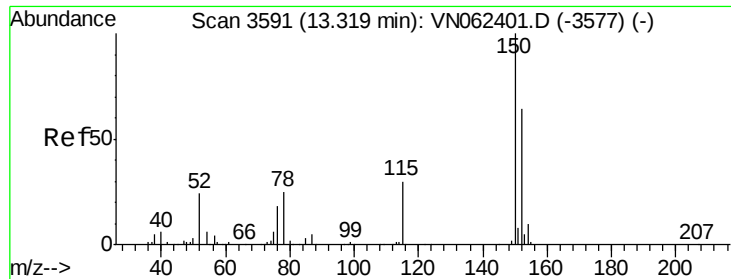
Tgt Ion:106 Resp: 1829
Ion Ratio Lower Upper
106 100
91 211.2 172.4 258.6



#71
Bromoform
Concen: 0.233 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062454.D
Acq: 9 Jul 2020 13:53

Tgt Ion:173 Resp: 445
Ion Ratio Lower Upper
173 100
175 1689.0 23.7 71.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062454.D

Acq: 9 Jul 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-GW-588-590DL

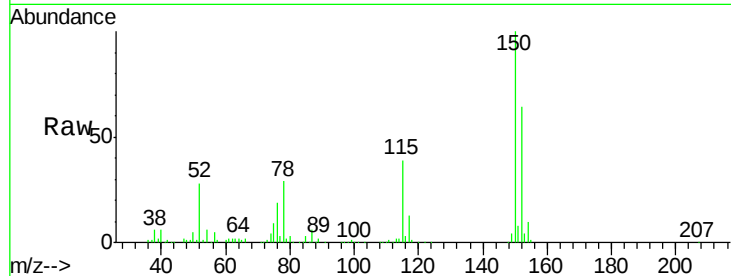
Tgt Ion:152 Resp: 136210

Ion Ratio Lower Upper

152 100

115 62.6 31.4 94.2

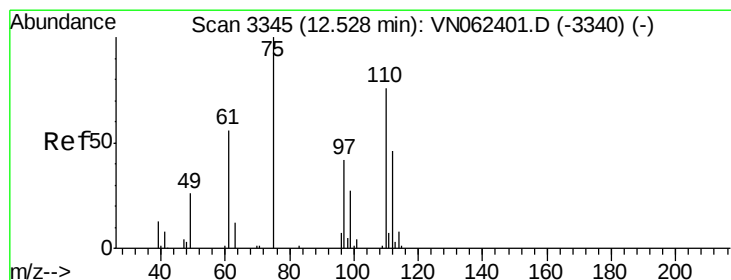
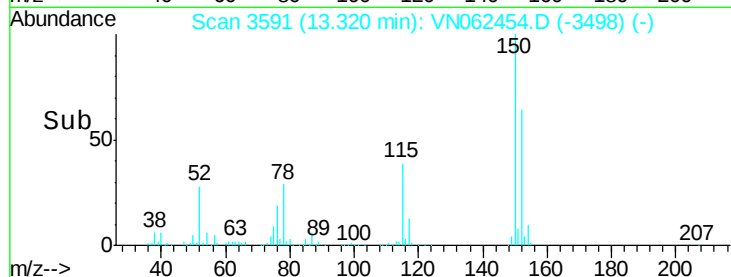
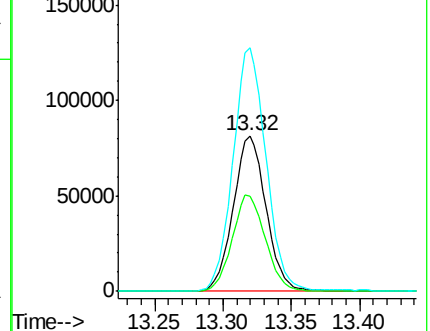
150 157.7 0.0 347.4



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: 28.596 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062454.D

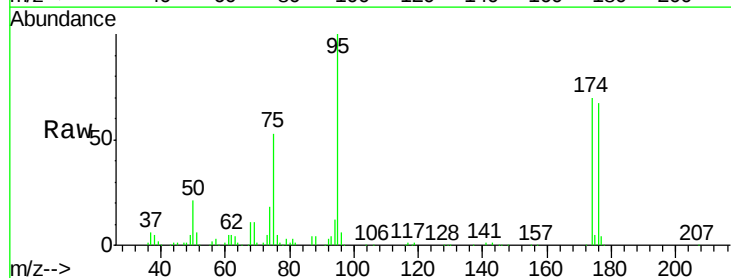
Acq: 9 Jul 2020 13:53

Tgt Ion: 75 Resp: 95570

Ion Ratio Lower Upper

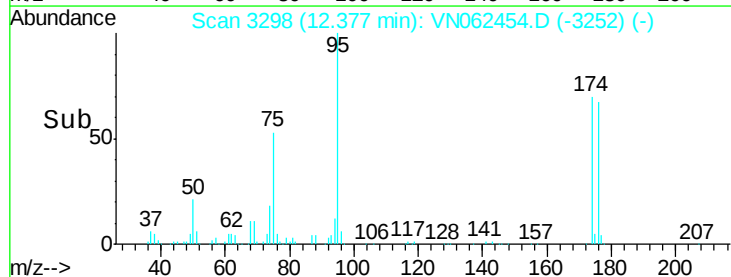
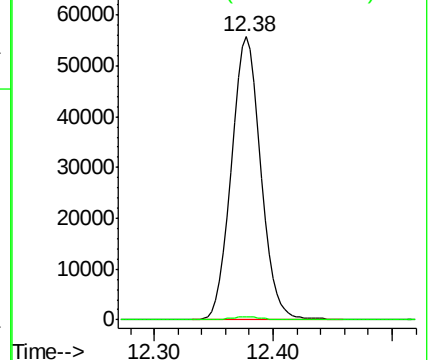
75 100

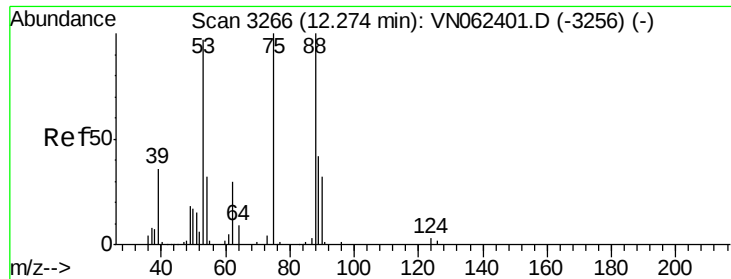
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

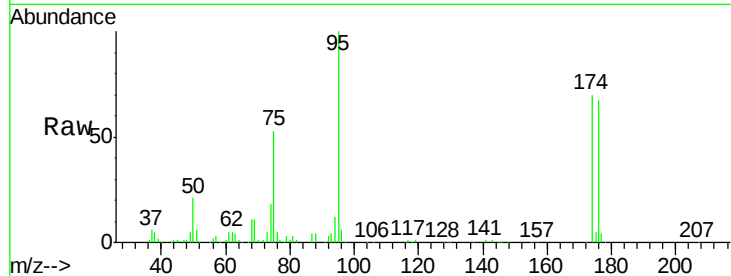




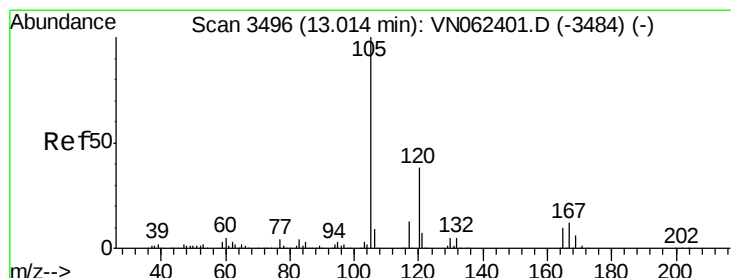
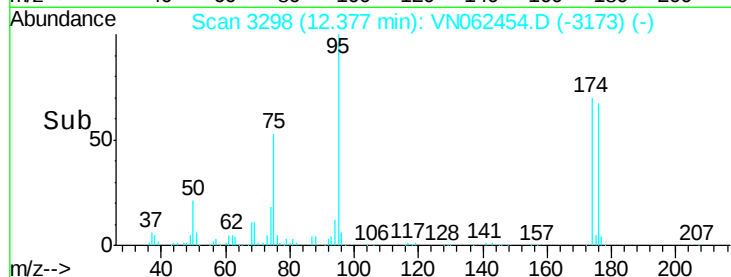
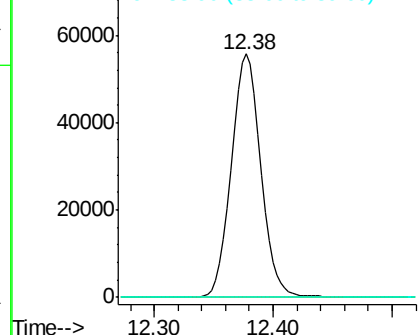
#81
trans-1,4-Dichloro-2-butene
Concen: 76.538 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062454.D
Acq: 9 Jul 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-GW-588-590DL

Tgt Ion: 75 Resp: 95570
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 34.6 52.0#

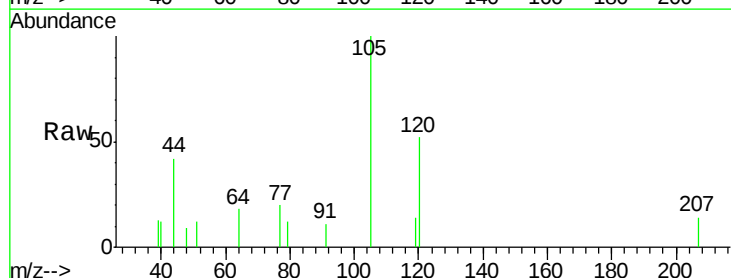


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

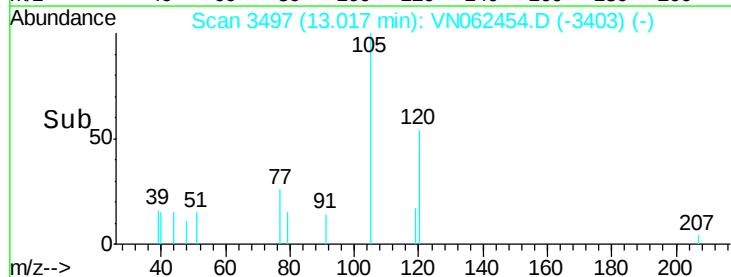
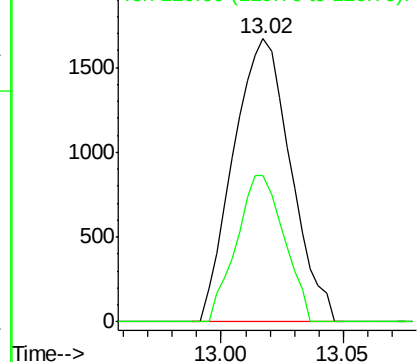


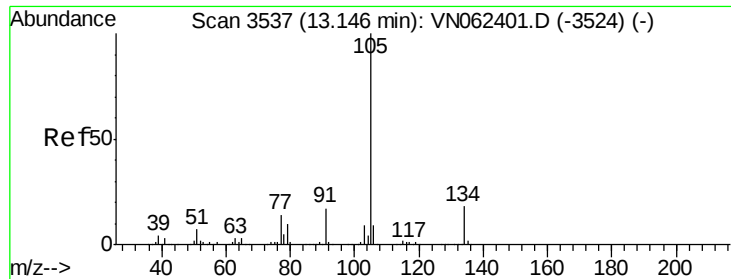
#84
1,2,4-Trimethylbenzene
Concen: 0.316 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN062454.D
Acq: 9 Jul 2020 13:53

Tgt Ion: 105 Resp: 2718
Ion Ratio Lower Upper
105 100
120 43.2 21.6 64.8



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





#85

sec-Butylbenzene

Concen: 0.280 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. -0.13 min

Lab File: VN062454.D

Acq: 9 Jul 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

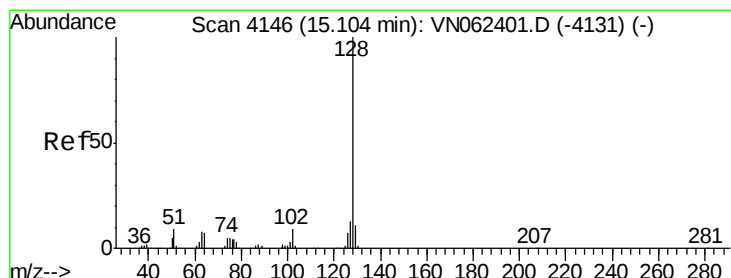
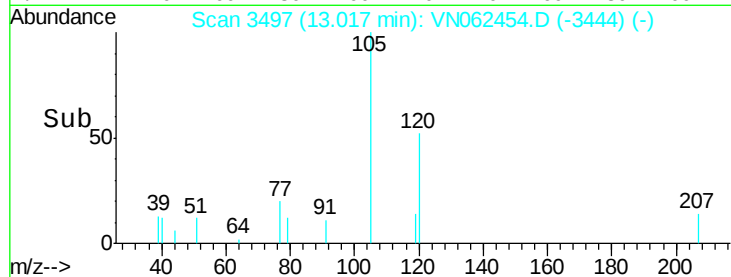
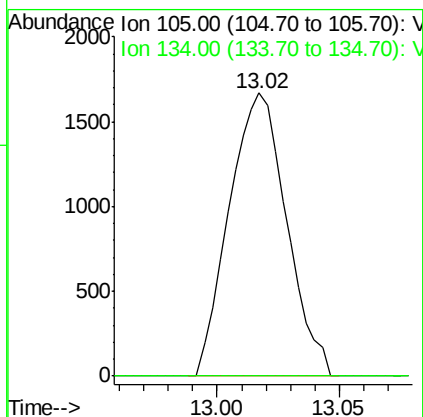
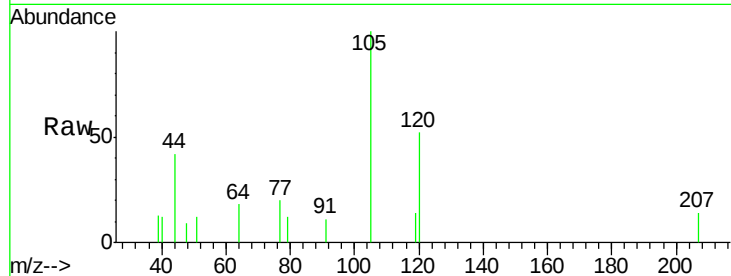
BP-MW180-GW-588-590DL

Tgt Ion:105 Resp: 2718

Ion Ratio Lower Upper

105 100

134 0.0 9.3 28.0#



#95

Naphthalene

Concen: 0.858 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062454.D

Acq: 9 Jul 2020 13:53

Tgt Ion:128 Resp: 7906

Ion Ratio Lower Upper

128 100

127 14.9 10.2 15.2

129 10.8 8.6 12.8

