

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061080.D
 Acq On : 18 Apr 2020 3:07
 Operator : JC/MD
 Sample : L2338-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW202I-20200415

Quant Time: Apr 20 01:41:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	138894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	240099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	222086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	96540	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	97118	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	
35) Dibromofluoromethane	7.56	113	72779	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
50) Toluene-d8	10.08	98	297014	56.06	ug/l	0.00
Spiked Amount			Recovery	=	112.12%	
62) 4-Bromofluorobenzene	12.40	95	106563	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	

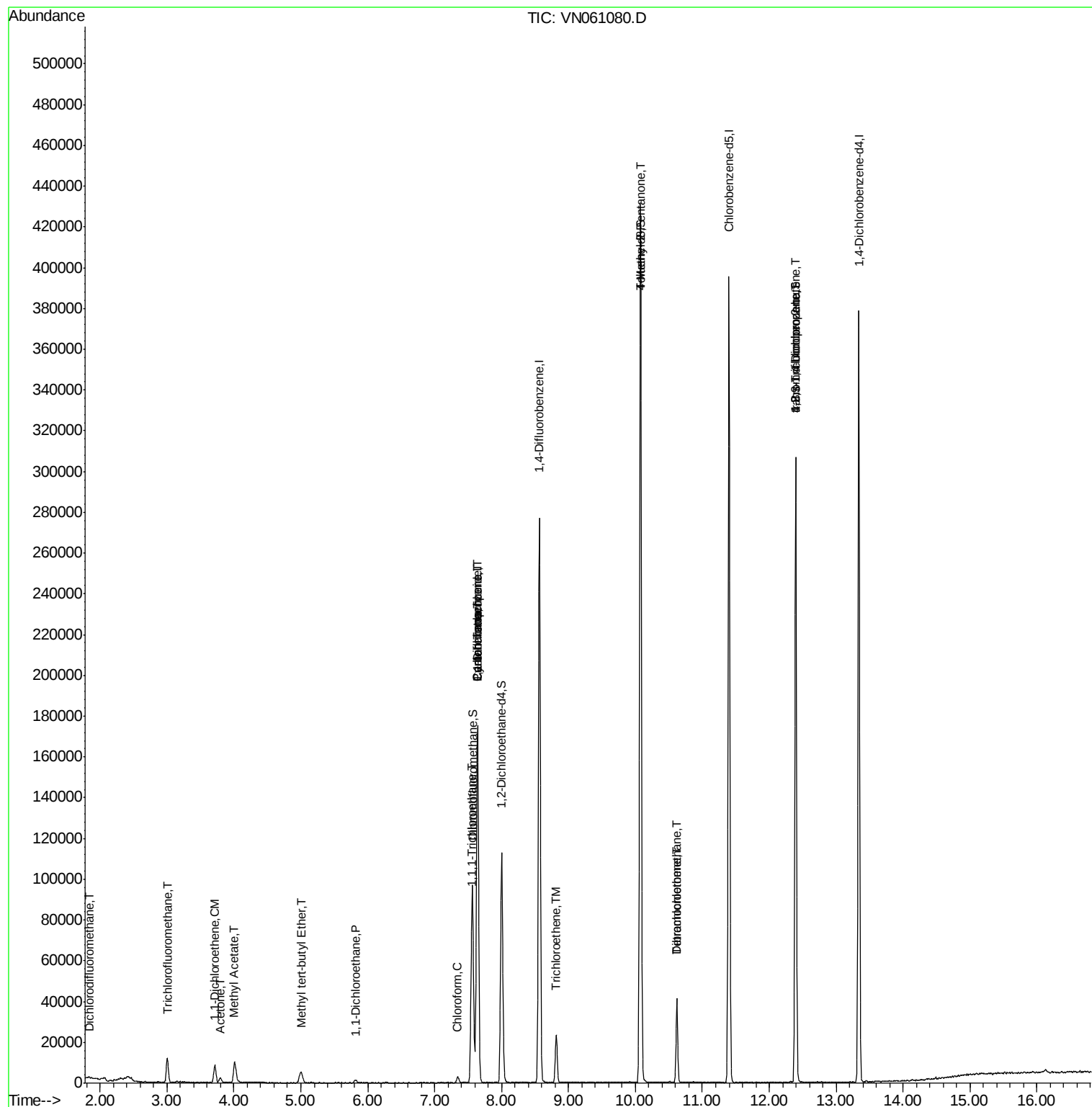
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	308	0.532	ug/l #	42
7) Trichlorofluoromethane	3.01	101	11741	4.607	ug/l	99
12) 1,1-Dichloroethene	3.72	96	4913	3.232	ug/l	93
16) Acetone	3.79	43	1107	1.415	ug/l #	44
18) Methyl Acetate	4.01	43	3713	1.514	ug/l #	54
19) Methyl tert-butyl Ether	5.00	73	9858	1.860	ug/l	94
24) 1,1-Dichloroethane	5.81	63	2717	0.842	ug/l #	85
30) Chloroform	7.34	83	3097	1.029	ug/l	94
31) Cyclohexane	7.64	56	3117	0.942	ug/l #	1
32) 1,1,1-Trichloroethane	7.54	97	4576	1.758	ug/l	100
36) 1,1-Dichloropropene	7.64	75	11303	4.562	ug/l #	49
38) Carbon Tetrachloride	7.64	117	14124	6.849	ug/l #	16
44) Trichloroethene	8.81	130	8863	4.799	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	1470	0.583	ug/l #	1
60) Dibromochloromethane	10.62	129	8832	5.152	ug/l #	10
64) Tetrachloroethene	10.62	164	9539	5.613	ug/l	92
76) 1,2,3-Trichloropropane	12.39	75	54916	25.861	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	54916	63.789	ug/l #	12

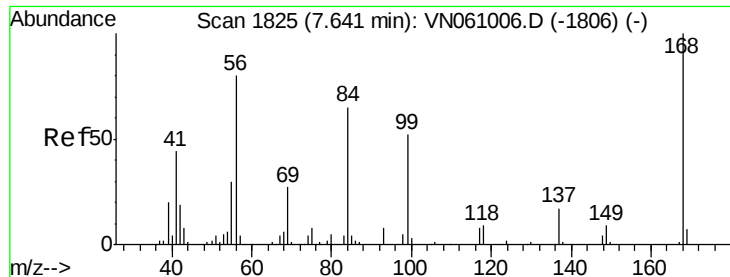
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061080.D

Acq: 18 Apr 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

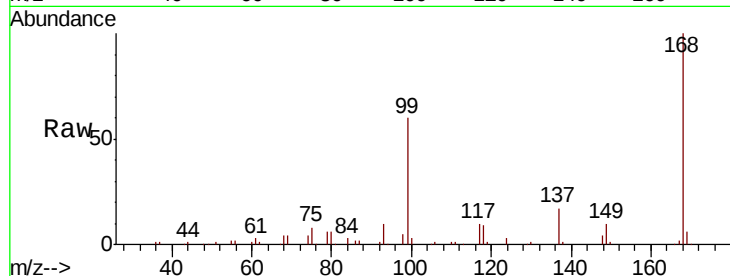
BP-MW202I-20200415

Tot Ion:168 Resp: 138894

Ion Ratio Lower Upper

168 100

99 60.1 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN061080.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN061080.D (-1732) (-)

7.64

60000

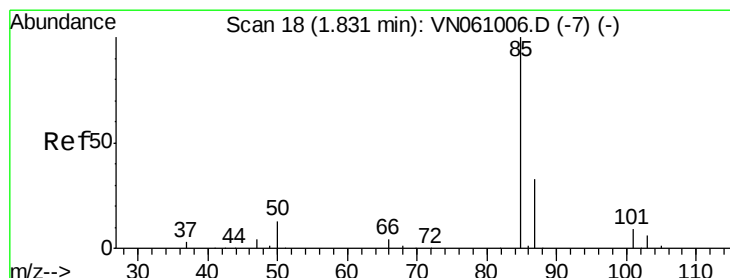
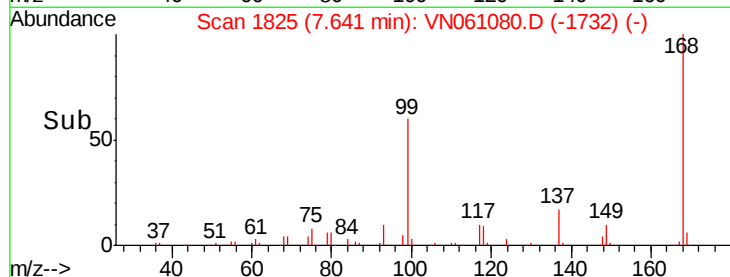
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.532 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN061080.D

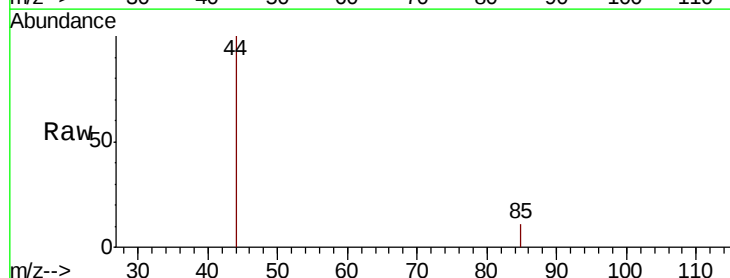
Acq: 18 Apr 2020 3:07

Tgt Ion: 85 Resp: 308

Ion Ratio Lower Upper

85 100

87 0.0 16.3 48.9#



Abundance Ion 84.90 (84.60 to 85.60): VN061080.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN061080.D (-1) (-)

1.83

300

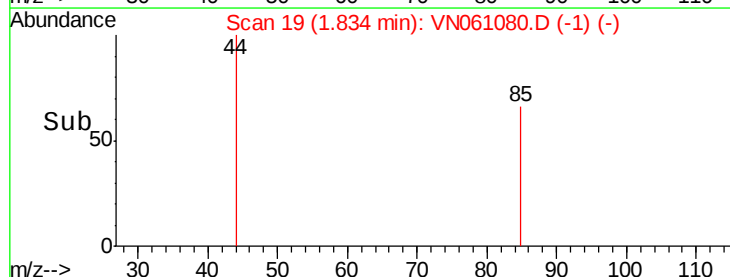
200

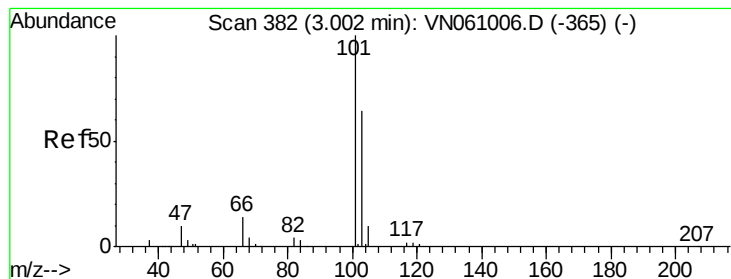
100

0

1.82 1.84

Time-->



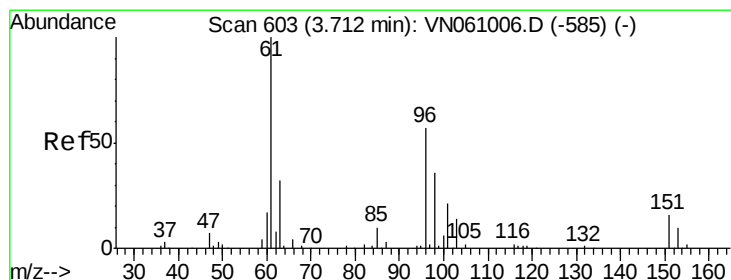
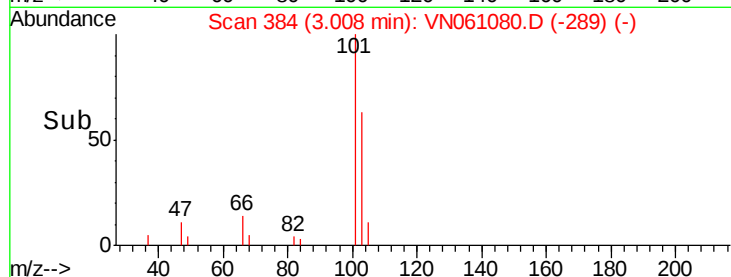
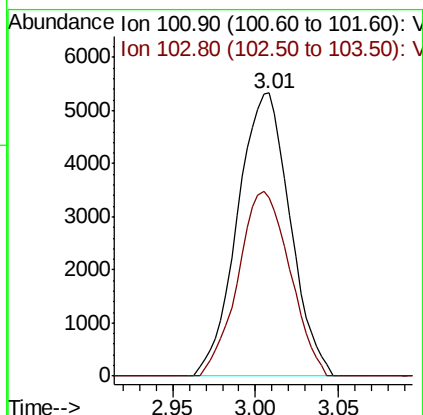
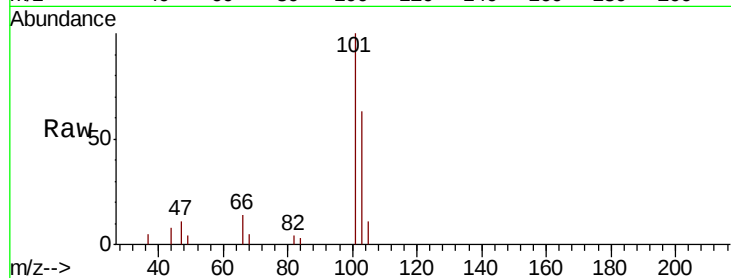


#7

Trichlorofluoromethane
Concen: 4.607 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.01 min
Lab File: VN061080.D
Acq: 18 Apr 2020 3:07

Instrument :
MSVOA_N
ClientSampleId :
BP-MW202I-20200415

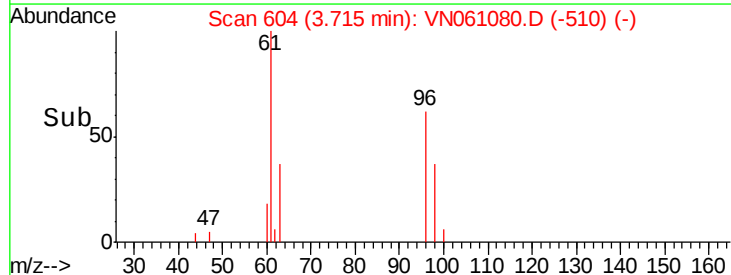
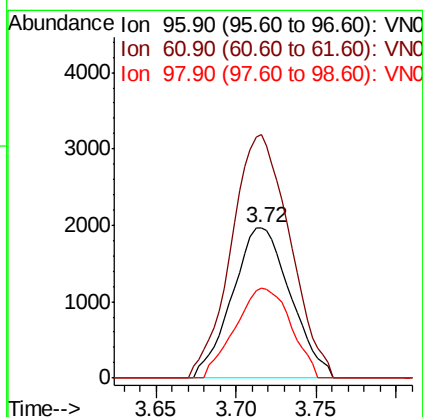
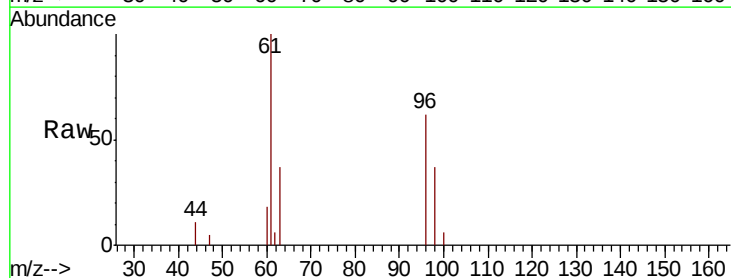
Tot Ion:101 Resp: 11741
Ion Ratio Lower Upper
101 100
103 63.2 51.4 77.2

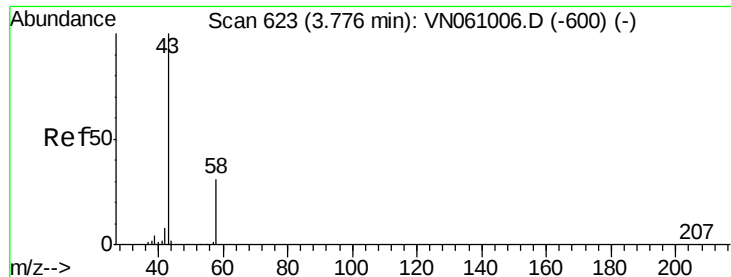


#12

1,1-Dichloroethene
Concen: 3.232 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN061080.D
Acq: 18 Apr 2020 3:07

Tgt Ion: 96 Resp: 4913
Ion Ratio Lower Upper
96 100
61 161.6 139.2 208.8
98 60.1 50.0 75.0

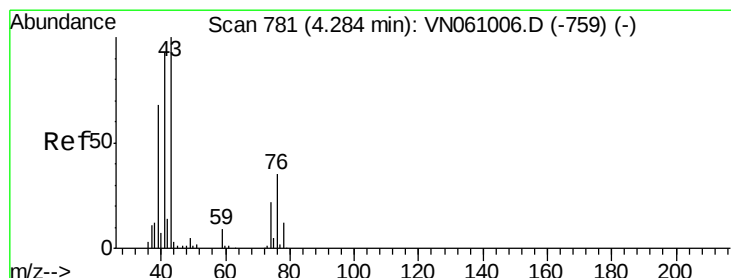
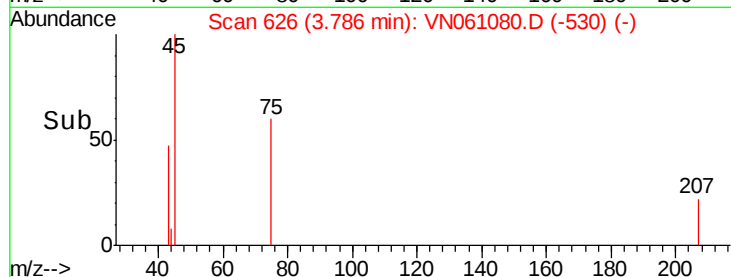
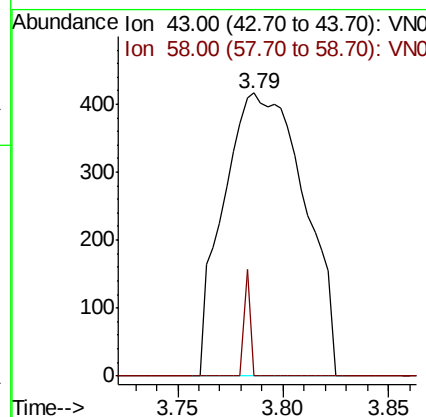
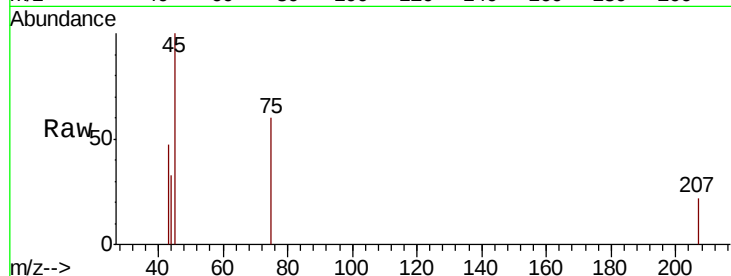




#16
Acetone
Concen: 1.415 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN061080.D
Acq: 18 Apr 2020 3:07

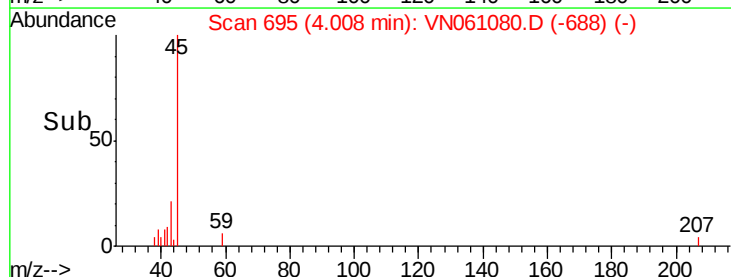
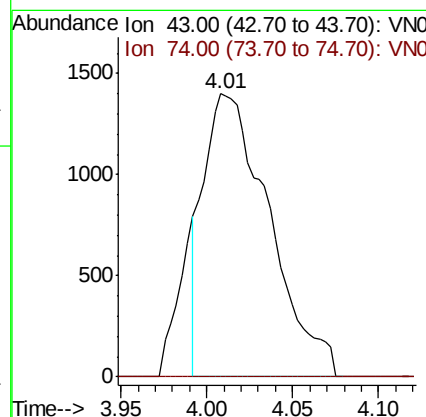
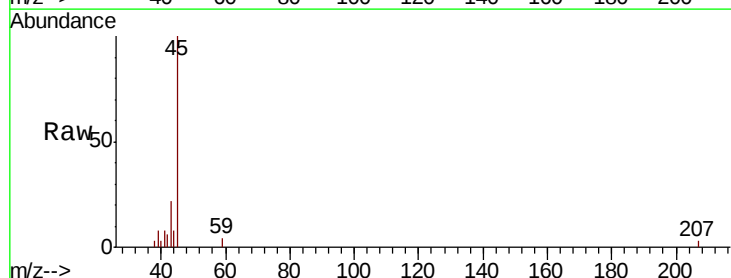
Instrument :
MSVOA_N
ClientSampleId :
BP-MW202I-20200415

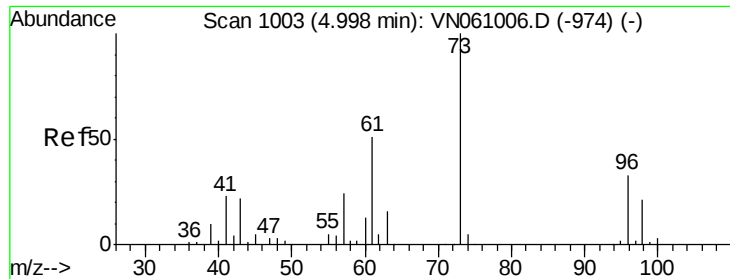
Tot Ion: 43 Resp: 1107
Ion Ratio Lower Upper
43 100
58 0.0 24.6 37.0#



#18
Methyl Acetate
Concen: 1.514 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.28 min
Lab File: VN061080.D
Acq: 18 Apr 2020 3:07

Tgt Ion: 43 Resp: 3713
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#

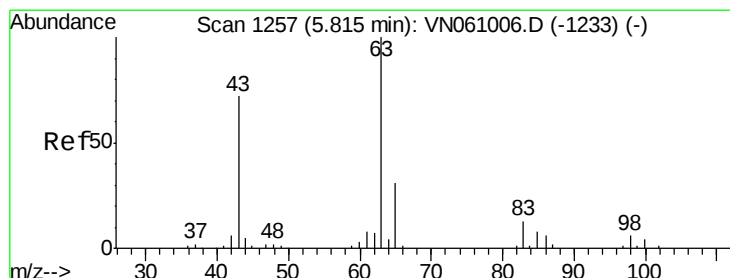
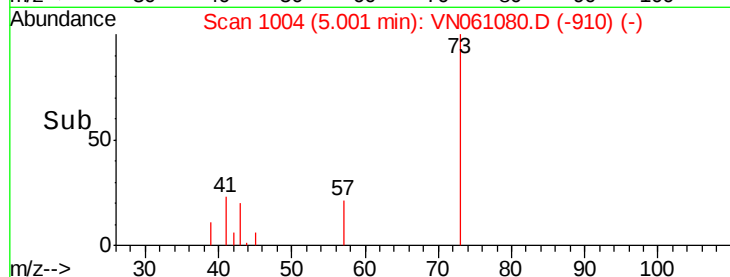
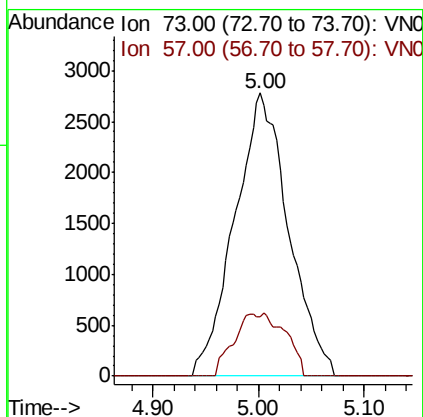
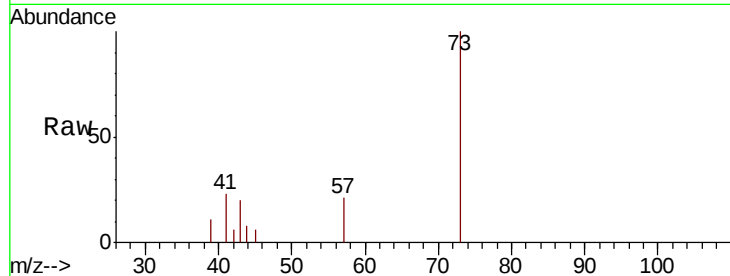




#19
Methvl tert-butvl Ether
Concen: 1.860 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061080.D
Acq: 18 Apr 2020 3:07

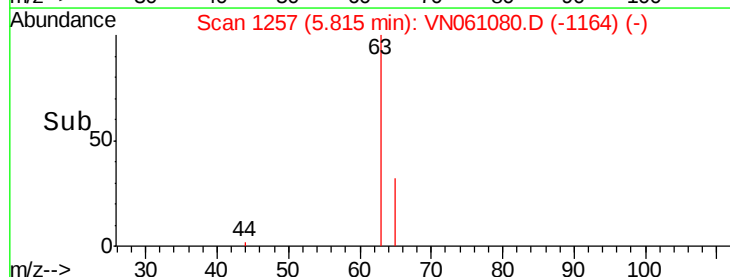
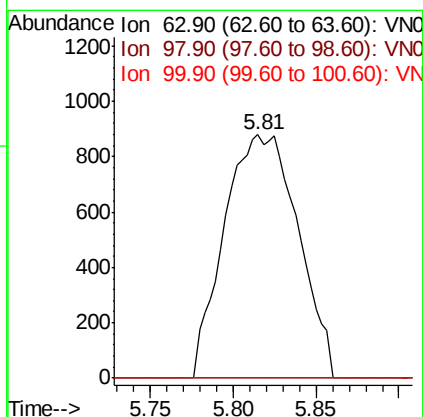
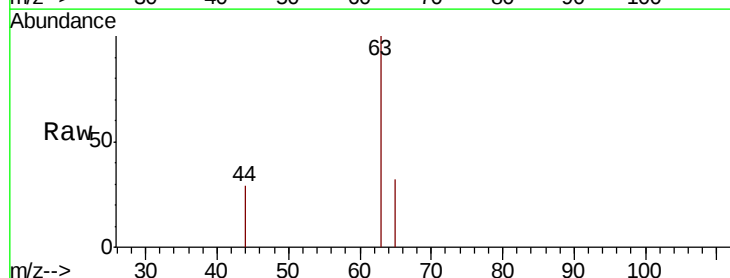
Instrument :
MSVOA_N
ClientSampleId :
BP-MW202I-20200415

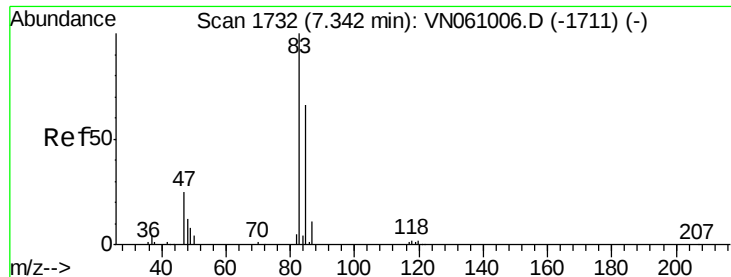
Tot Ion: 73 Resp: 9858
Ion Ratio Lower Upper
73 100
57 20.9 19.0 28.4



#24
1,1-Dichloroethane
Concen: 0.842 ug/l
RT: 5.81 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VN061080.D
Acq: 18 Apr 2020 3:07

Tgt Ion: 63 Resp: 2717
Ion Ratio Lower Upper
63 100
98 0.0 2.9 8.8#
100 0.0 2.0 5.8#

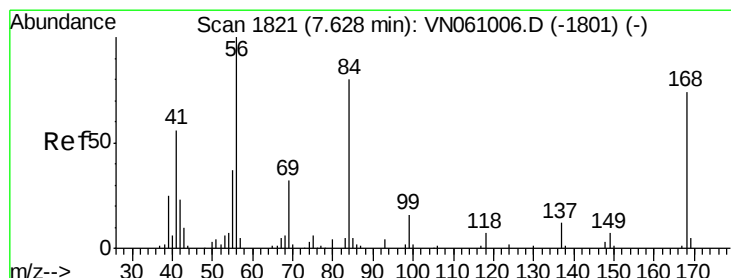
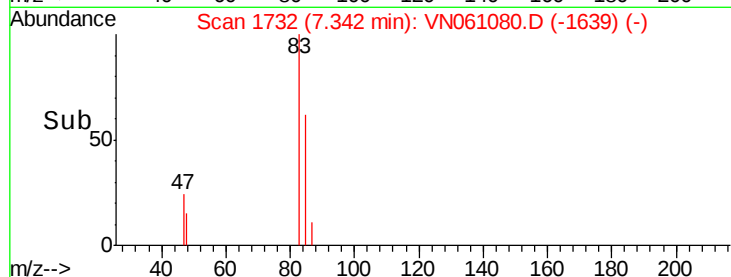
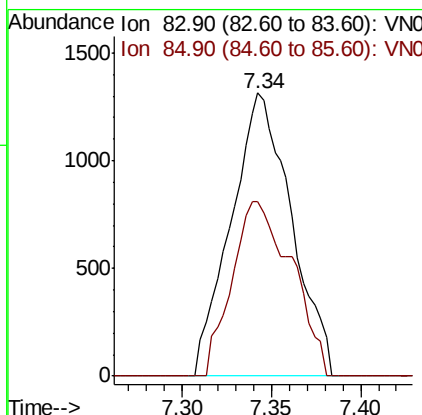
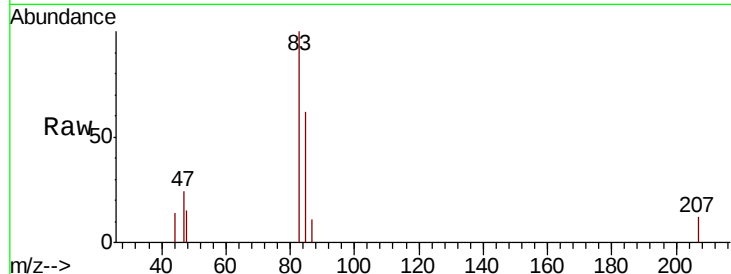




#30
Chloroform
Concen: 1.029 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VN061080.D
Acq: 18 Apr 2020 3:07

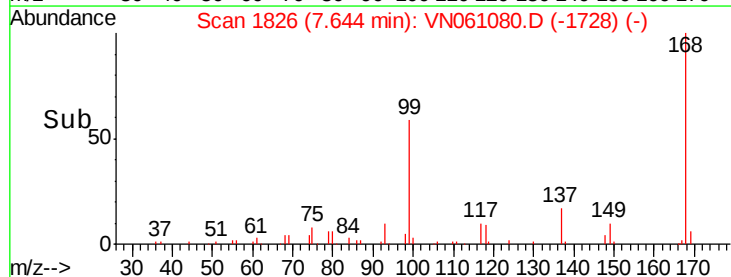
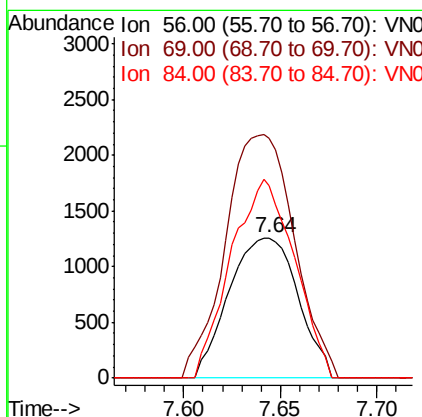
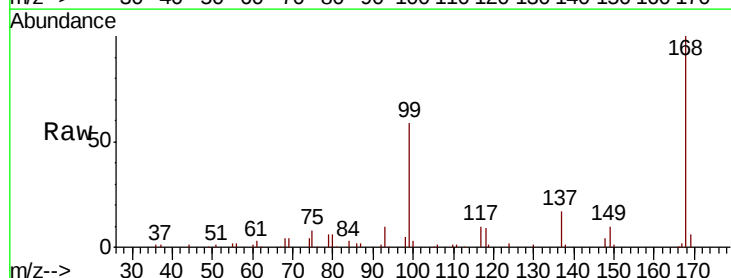
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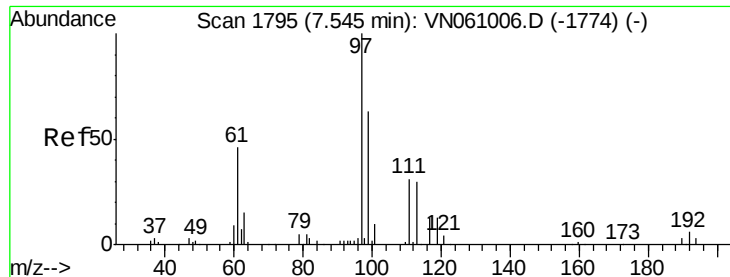
Tot Ion: 83 Resp: 3097
Ion Ratio Lower Upper
83 100
85 61.6 52.8 79.2



#31
Cyclohexane
Concen: 0.942 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.02 min
Lab File: VN061080.D
Acq: 18 Apr 2020 3:07

Tgt Ion: 56 Resp: 3117
Ion Ratio Lower Upper
56 100
69 171.0 25.6 38.4#
84 136.9 63.4 95.2#

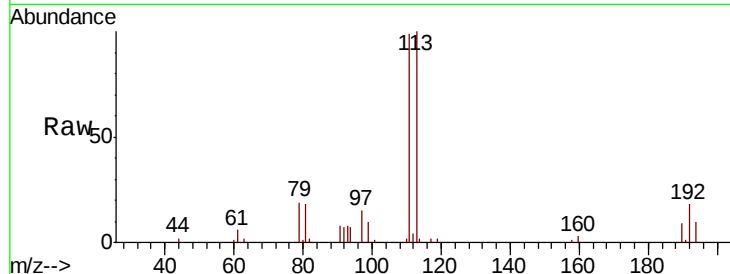




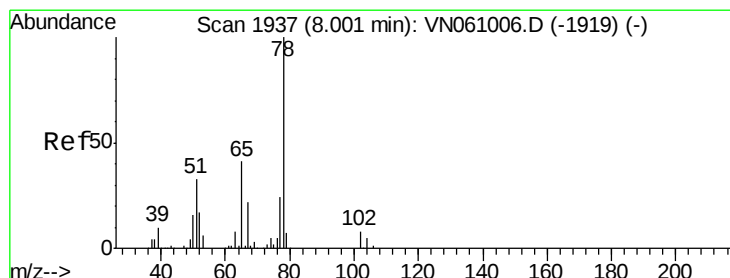
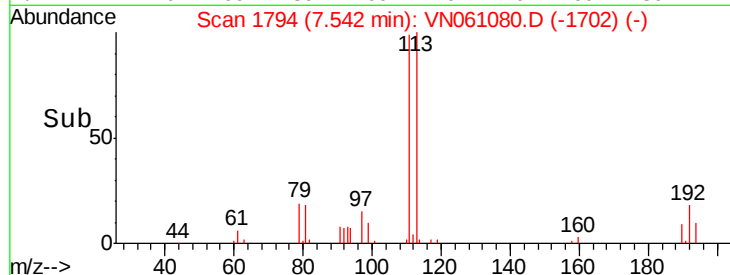
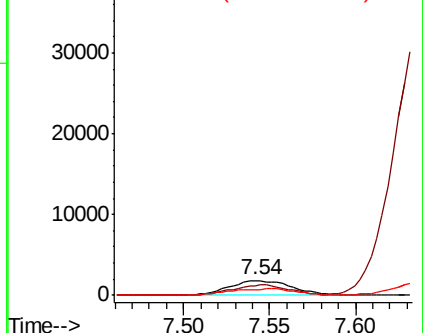
#32
 1,1,1-Trichloroethane
 Concen: 1.758 ug/l
 RT: 7.54 min Scan# 1794
 Delta R.T. -0.00 min
 Lab File: VN061080.D
 Acq: 18 Apr 2020 3:07

Instrument :
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Tot Ion	97	Resp	4576
Ion Ratio	Lower	Upper	
97	100		
99	63.2	51.0	76.4
61	46.4	37.0	55.6

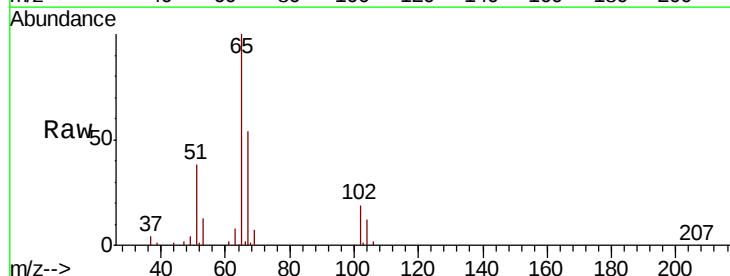


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0

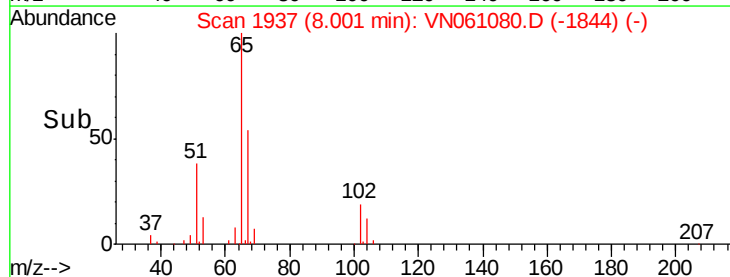
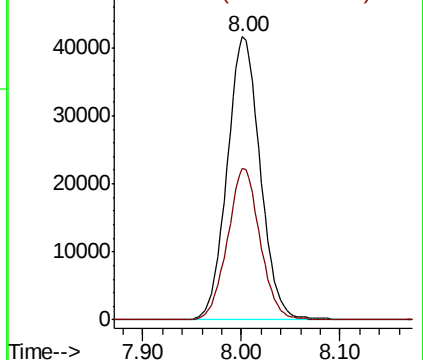


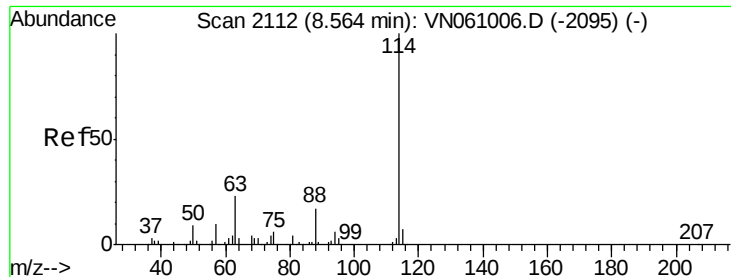
#33
 1,2-Dichloroethane-d4
 Concen: 54.651 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061080.D
 Acq: 18 Apr 2020 3:07

Tgt Ion	65	Resp	97118
Ion Ratio	Lower	Upper	
65	100		
67	52.8	0.0	107.0



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

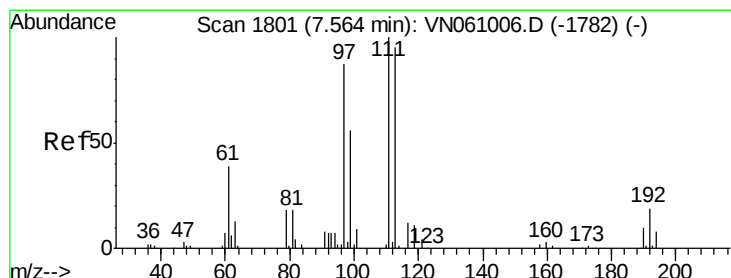
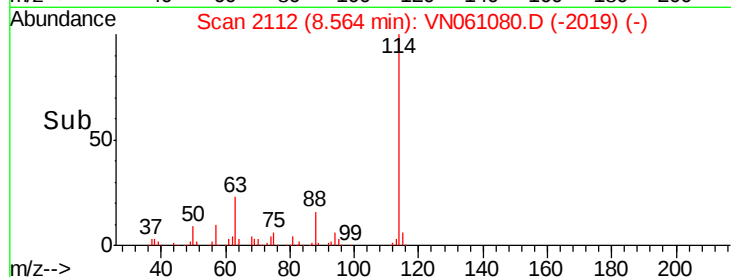
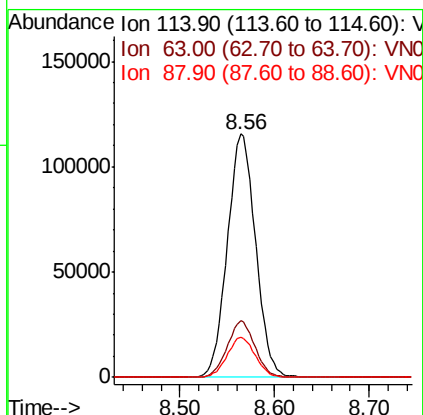
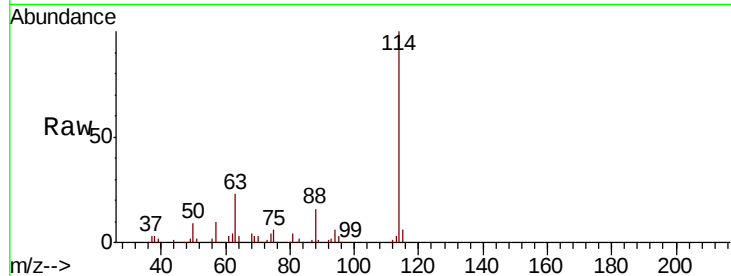




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061080.D
 Acq: 18 Apr 2020 3:07

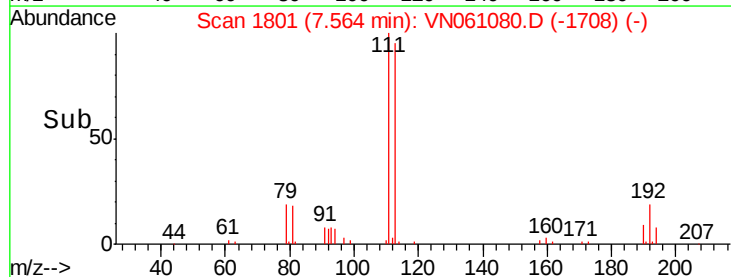
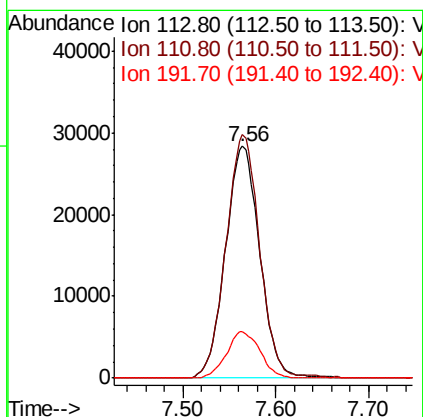
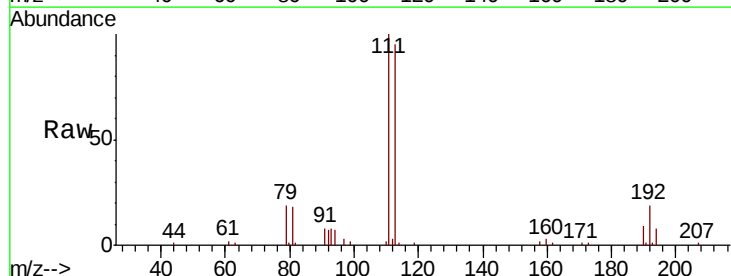
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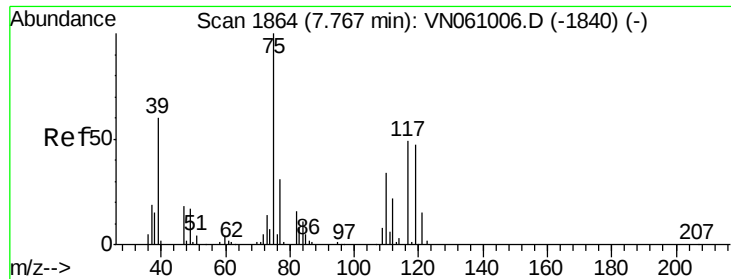
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	46.2
88	16.4	0.0	33.4



#35
 Dibromofluoromethane
 Concen: 51.905 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061080.D
 Acq: 18 Apr 2020 3:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.4	125.2
192	19.6	15.5	23.3

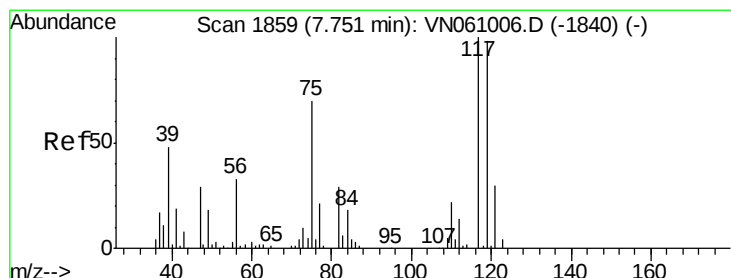
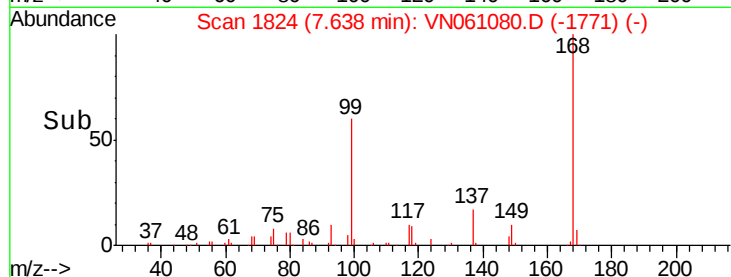
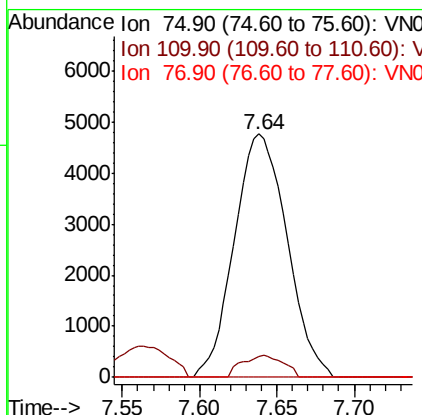
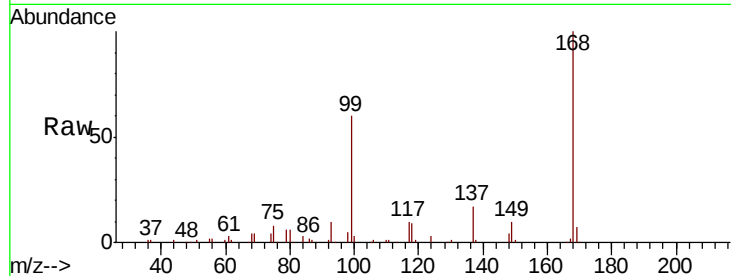




#36
 1,1-Dichloropropene
 Concen: 4.562 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061080.D
 Acq: 18 Apr 2020 3:07

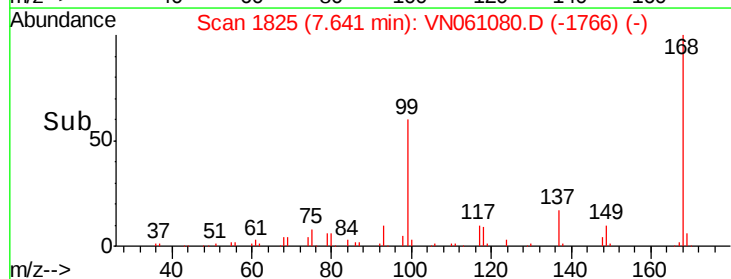
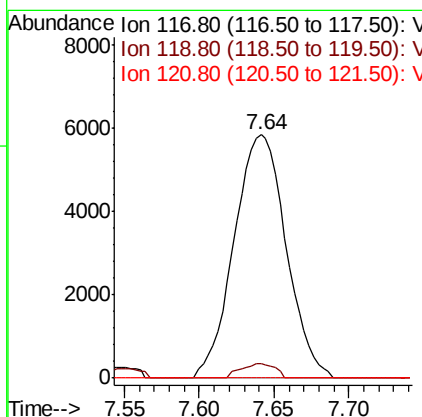
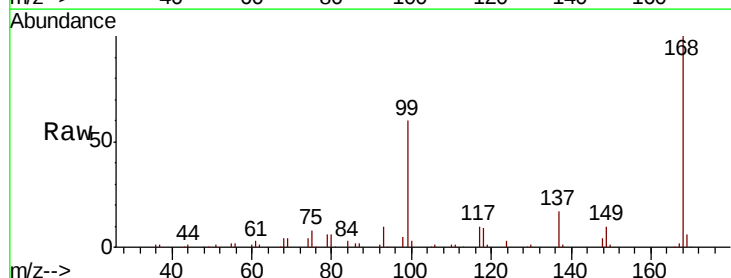
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW202I-20200415

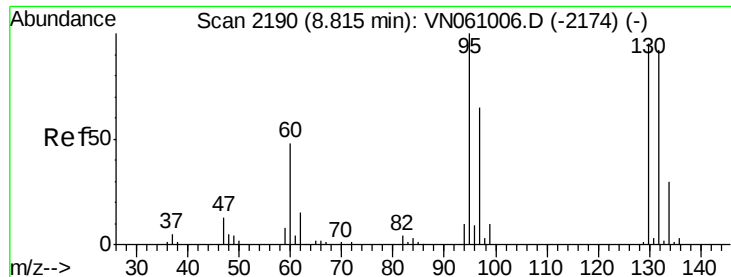
Tot Ion	75	Resp	11303
Ion Ratio	Lower	Upper	
75	100		
110	6.9	16.8	50.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.849 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN061080.D
 Acq: 18 Apr 2020 3:07

Tgt Ion	117	Resp	14124
Ion Ratio	Lower	Upper	
117	100		
119	5.8	78.1	117.1#
121	0.0	24.0	36.0#





#44

Trichloroethene

Concen: 4.799 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VN061080.D

Acq: 18 Apr 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

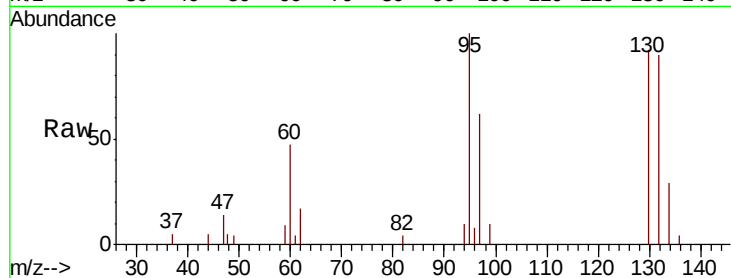
BP-MW202I-20200415

Tot Ion:130 Resp: 8863

Ion Ratio Lower Upper

130 100

95 108.4 0.0 210.0

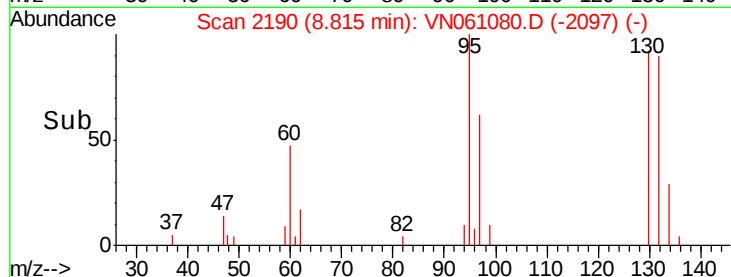


Abundance Ion 129.80 (129.50 to 130.50): VN061006.D (-2174) (-)

Ion 94.90 (94.60 to 95.60): VN061006.D (-2174) (-)

8.81

Time-->

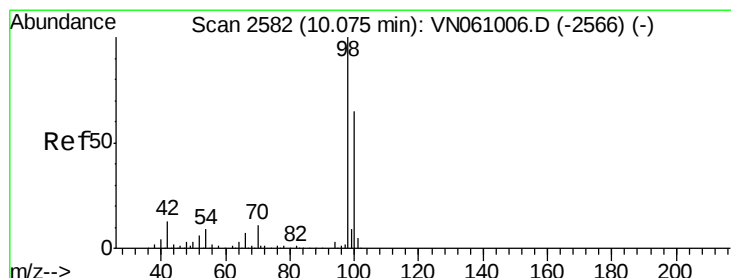


Abundance Ion 129.80 (129.50 to 130.50): VN061080.D (-2097) (-)

Ion 94.90 (94.60 to 95.60): VN061080.D (-2097) (-)

8.81

Time-->



#50

Toluene-d8

Concen: 56.057 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061080.D

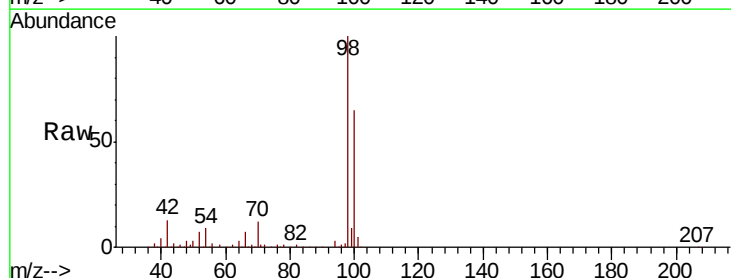
Acq: 18 Apr 2020 3:07

Tgt Ion: 98 Resp: 297014

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9

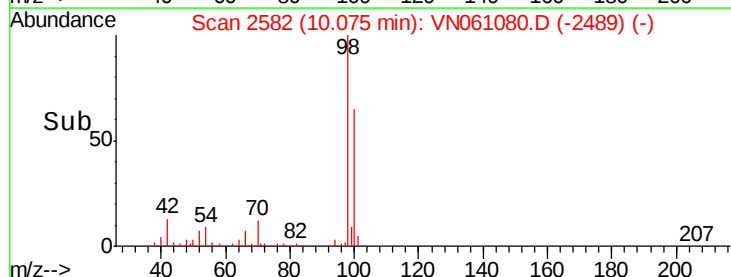


Abundance Ion 98.00 (97.70 to 98.70): VN061006.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN061006.D (-2566) (-)

10.08

Time-->

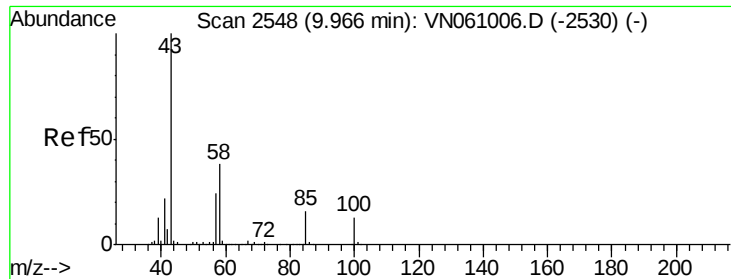


Abundance Ion 98.00 (97.70 to 98.70): VN061080.D (-2489) (-)

Ion 100.00 (99.70 to 100.70): VN061080.D (-2489) (-)

10.08

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.583 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN061080.D

Acq: 18 Apr 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

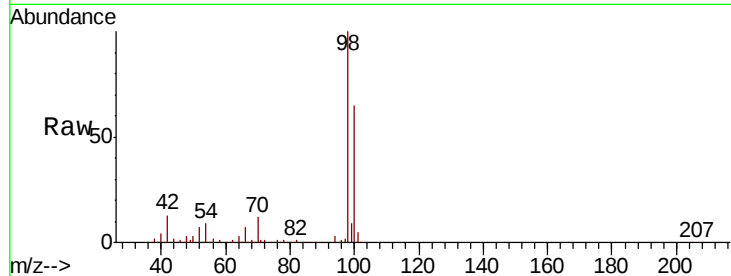
BP-MW202I-20200415

Tot Ion: 43 Resp: 1470

Ion Ratio Lower Upper

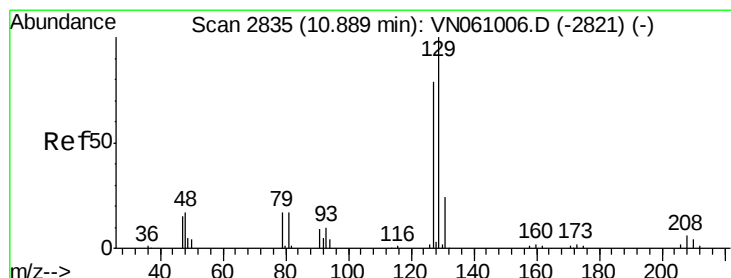
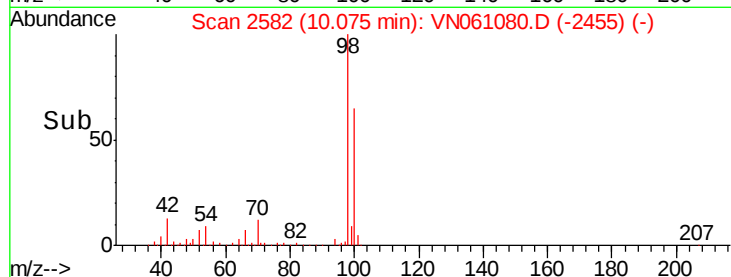
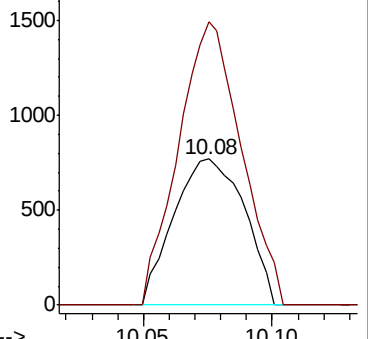
43 100

58 173.0 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-2530) (-)



#60

Dibromochloromethane

Concen: 5.152 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.27 min

Lab File: VN061080.D

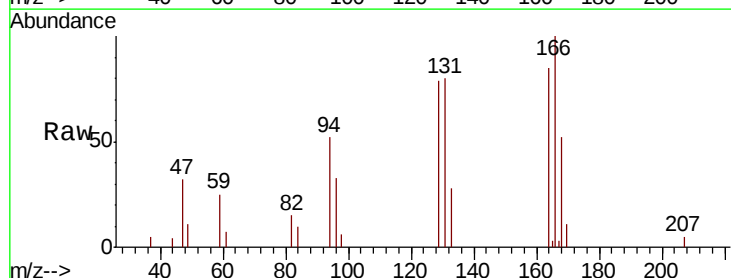
Acq: 18 Apr 2020 3:07

Tgt Ion: 129 Resp: 8832

Ion Ratio Lower Upper

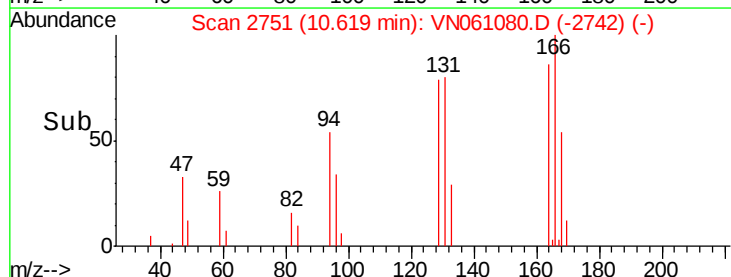
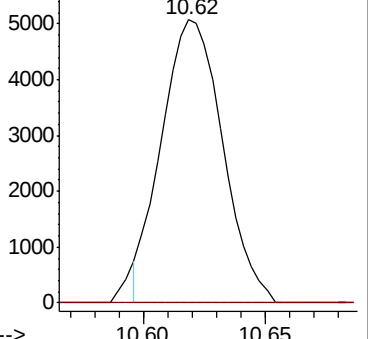
129 100

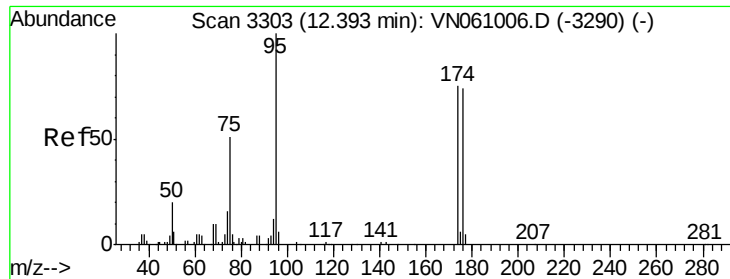
127 0.0 39.0 116.9#



Abundance Ion 128.80 (128.50 to 129.50): VN061006.D (-2821) (-)

Ion 126.80 (126.50 to 127.50): VN061006.D (-2821) (-)





#62

4-Bromofluorobenzene

Concen: 51.316 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN061080.D

Acq: 18 Apr 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

BP-MW202I-20200415

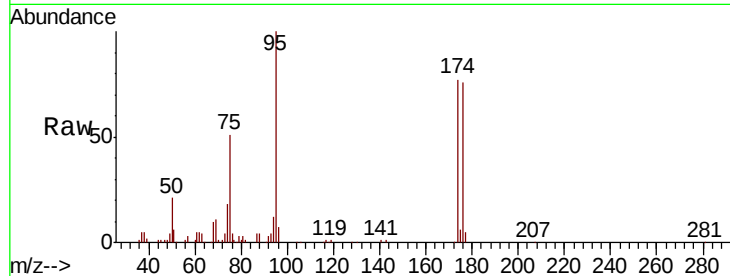
Tot Ion: 95 Resp: 106563

Ion Ratio Lower Upper

95 100

174 77.2 0.0 151.2

176 74.9 0.0 148.2

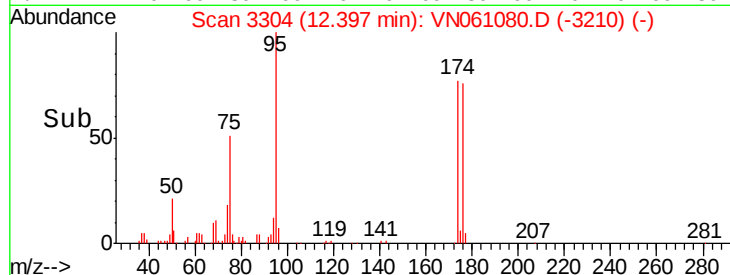


Abundance Ion 94.90 (94.60 to 95.60): VN061006.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN061006.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN061006.D (-3290) (-)

Time-->

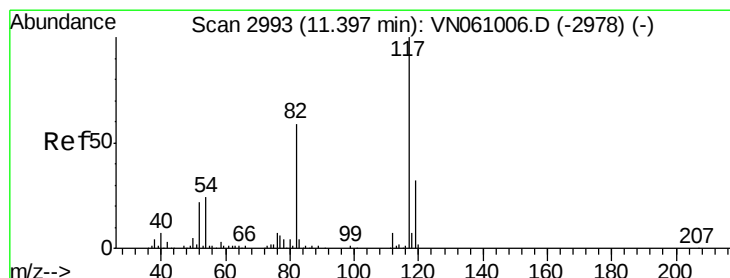


Abundance Ion 94.90 (94.60 to 95.60): VN061080.D (-3210) (-)

Ion 173.80 (173.50 to 174.50): VN061080.D (-3210) (-)

Ion 175.80 (175.50 to 176.50): VN061080.D (-3210) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN061080.D

Acq: 18 Apr 2020 3:07

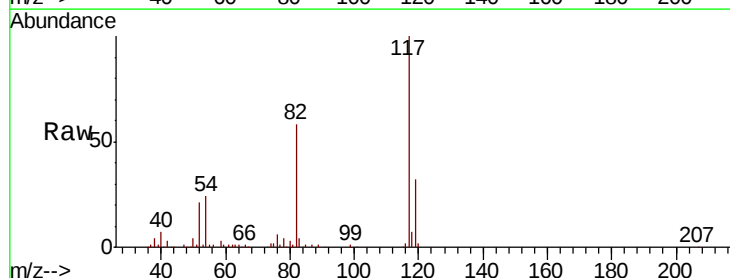
Tgt Ion: 117 Resp: 222086

Ion Ratio Lower Upper

117 100

82 58.5 47.1 70.7

119 32.0 25.7 38.5

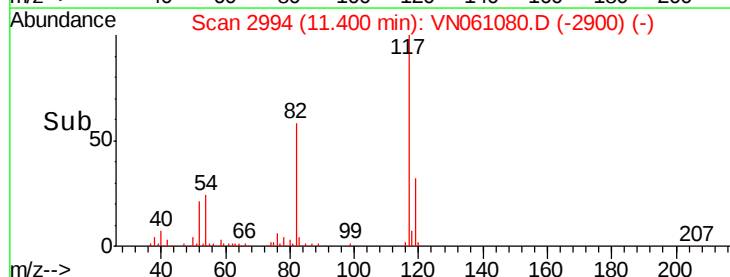


Abundance Ion 116.90 (116.60 to 117.60): VN061006.D (-2978) (-)

Ion 82.00 (81.70 to 82.70): VN061006.D (-2978) (-)

Ion 118.90 (118.60 to 119.60): VN061006.D (-2978) (-)

Time-->

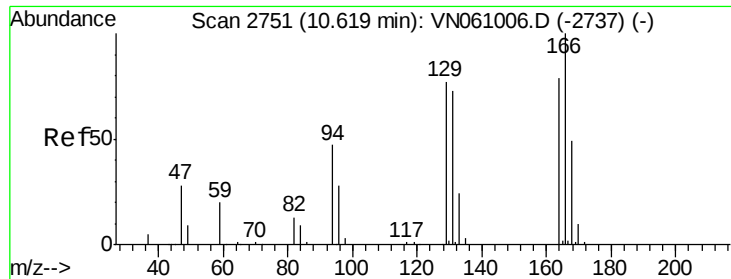


Abundance Ion 116.90 (116.60 to 117.60): VN061080.D (-2900) (-)

Ion 82.00 (81.70 to 82.70): VN061080.D (-2900) (-)

Ion 118.90 (118.60 to 119.60): VN061080.D (-2900) (-)

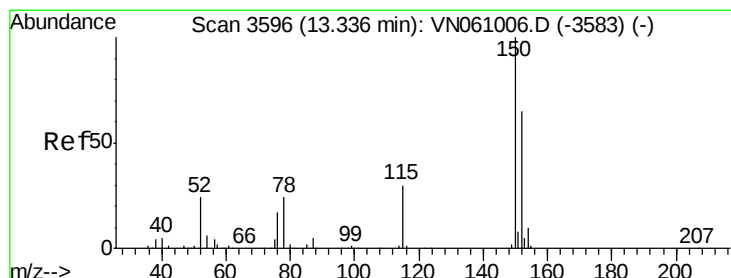
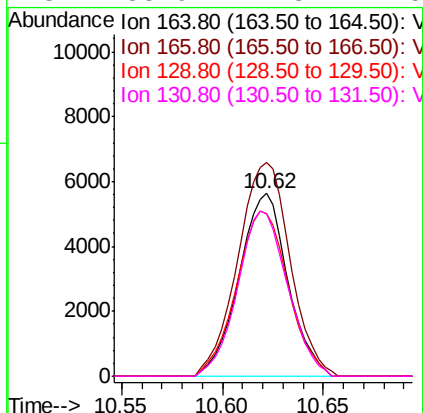
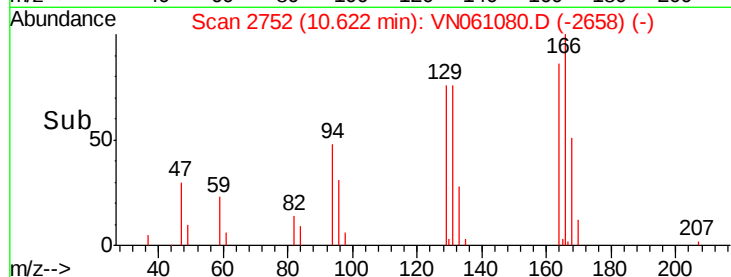
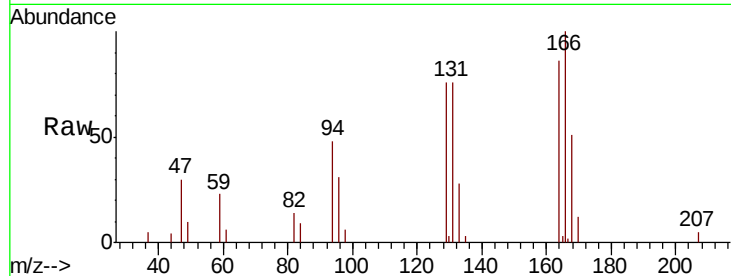
Time-->



#64
Tetrachloroethene
Concen: 5.613 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN061080.D
Acq: 18 Apr 2020 3:07

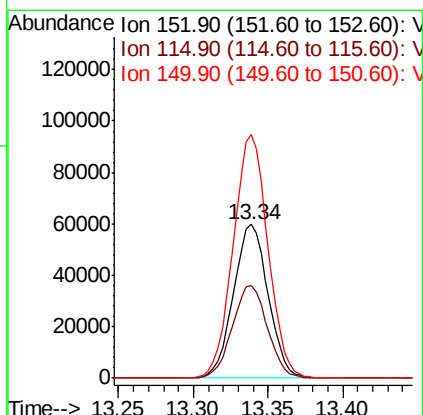
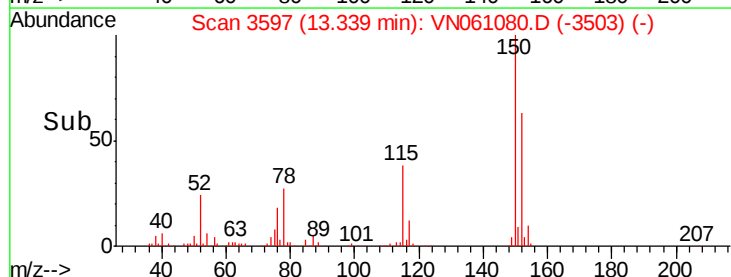
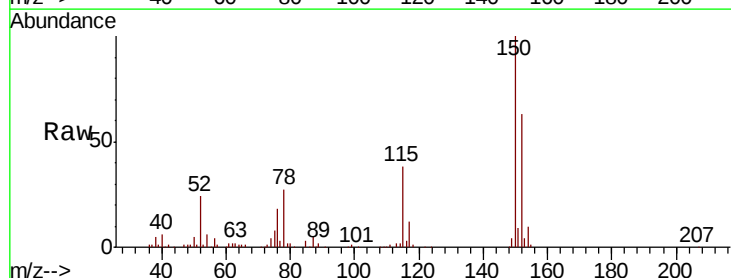
Instrument :
MSVOA_N
ClientSampleId :
BP-MW202I-20200415

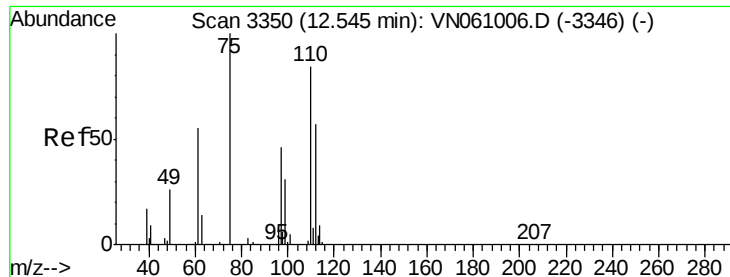
Tot Ion:164 Resp: 9539
Ion Ratio Lower Upper
164 100
166 116.8 101.6 152.4
129 88.8 78.5 117.7
131 88.9 74.3 111.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061080.D
Acq: 18 Apr 2020 3:07

Tgt Ion:152 Resp: 96540
Ion Ratio Lower Upper
152 100
115 60.8 30.8 92.4
150 158.6 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 25.861 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061080.D

Acq: 18 Apr 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

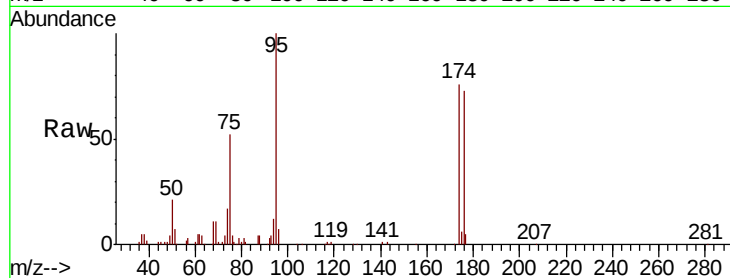
BP-MW202I-20200415

Tot Ion: 75 Resp: 54916

Ion Ratio Lower Upper

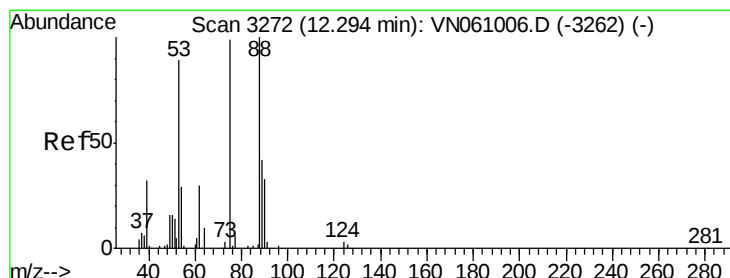
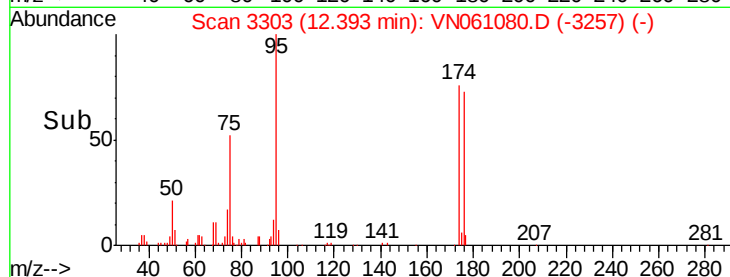
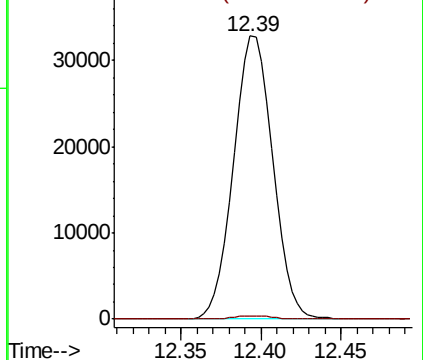
75 100

77 1.0 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: 63.789 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061080.D

Acq: 18 Apr 2020 3:07

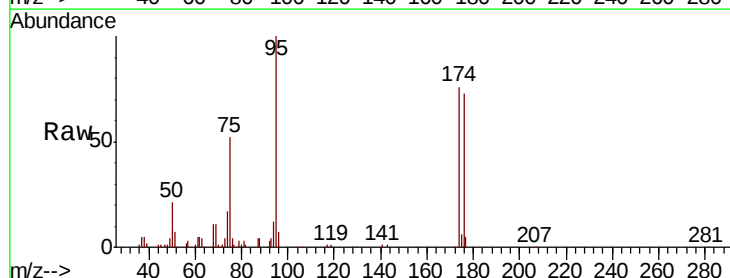
Tgt Ion: 75 Resp: 54916

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

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

