

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032520\
 Data File : VN060700.D
 Acq On : 25 Mar 2020 16:22
 Operator : JC/MD
 Sample : L1997-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315

Quant Time: Mar 26 02:50:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	187669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	314552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	291929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	122324	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
35) Dibromofluoromethane	7.56	113	94016	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	10.08	98	385138	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.40	95	143487	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

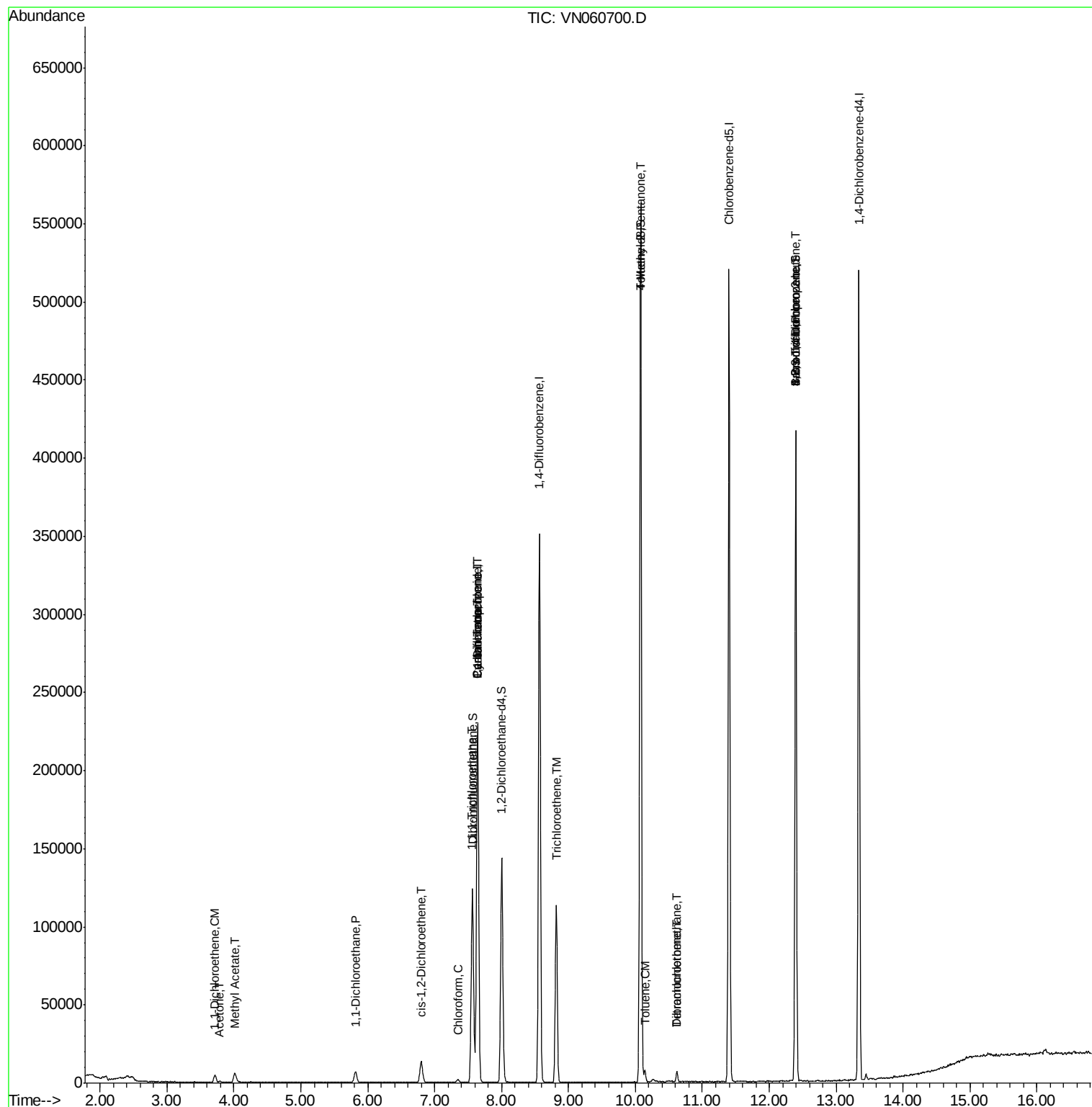
						Qvalue
12) 1,1-Dichloroethene	3.71	96	2822	1.389	ug/l	95
16) Acetone	3.79	43	1466	1.606	ug/l #	43
18) Methyl Acetate	4.01	43	2174	0.846	ug/l #	54
24) 1,1-Dichloroethane	5.82	63	11639	2.828	ug/l #	94
27) cis-1,2-Dichloroethene	6.80	96	9594	3.899	ug/l	89
30) Chloroform	7.35	83	2216	0.562	ug/l	96
31) Cyclohexane	7.64	56	3820	0.921	ug/l #	1
32) 1,1,1-Trichloroethane	7.55	97	3233	0.950	ug/l #	52
36) 1,1-Dichloropropene	7.64	75	14685	4.821	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18229	6.678	ug/l #	16
44) Trichloroethene	8.82	130	42080	18.155	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	2309	0.748	ug/l #	1
52) Toluene	10.14	92	3234	0.582	ug/l	91
60) Dibromochloromethane	10.62	129	1621	0.735	ug/l #	11
64) Tetrachloroethene	10.62	164	1736	0.756	ug/l	88
71) Bromoform	12.40	173	861	2.158	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	72903	24.968	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	72903	64.126	ug/l #	13

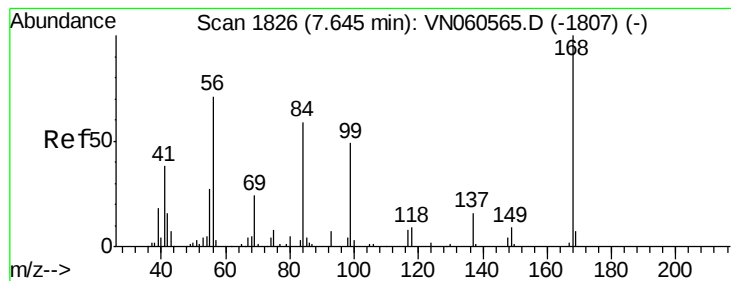
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN032520\
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QLast Update : Wed Mar 18 08:49:09 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060700.D

Acq: 25 Mar 2020 16:22

Instrument :

MSVOA_N

ClientSampleId :

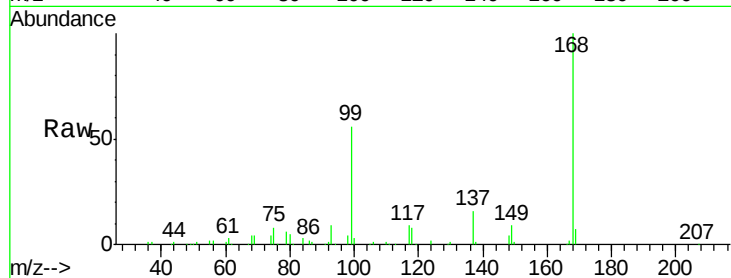
MW203D-20200315

Tgt Ion:168 Resp: 187669

Ion Ratio Lower Upper

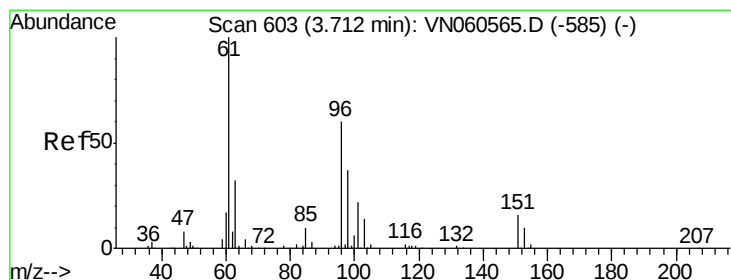
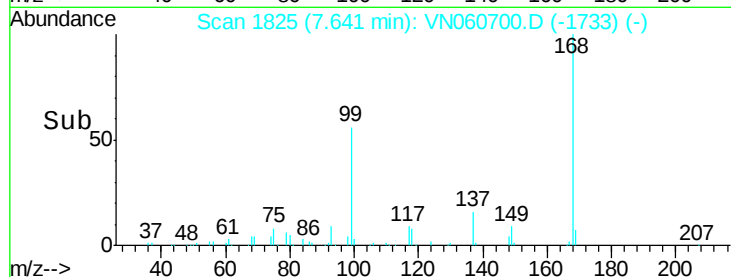
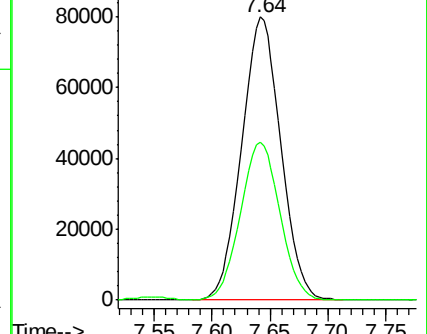
168 100

99 55.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#12

1,1-Dichloroethene

Concen: 1.389 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN060700.D

Acq: 25 Mar 2020 16:22

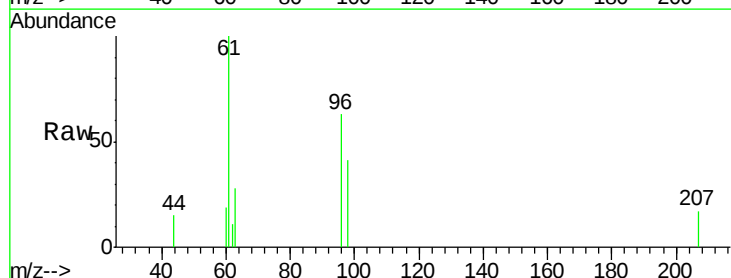
Tgt Ion: 96 Resp: 2822

Ion Ratio Lower Upper

96 100

61 159.9 134.1 201.1

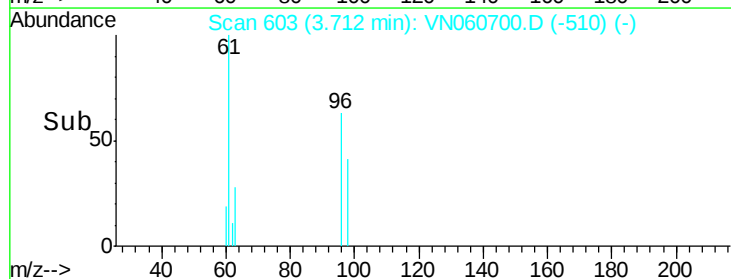
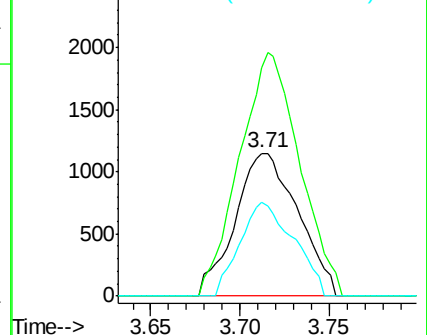
98 65.2 49.9 74.9

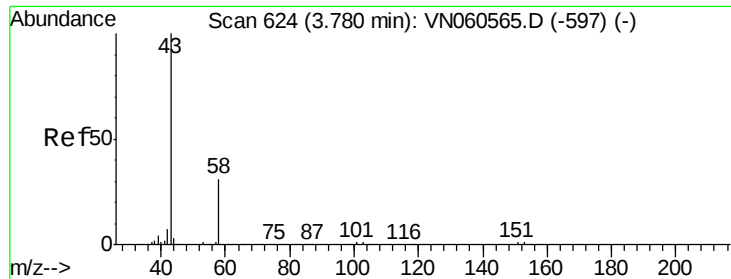


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

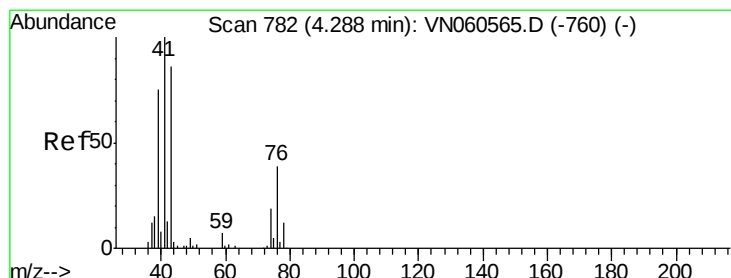
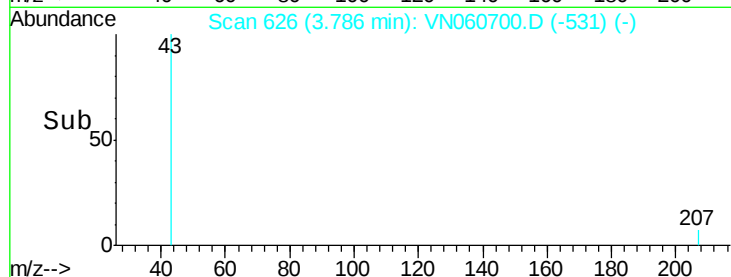
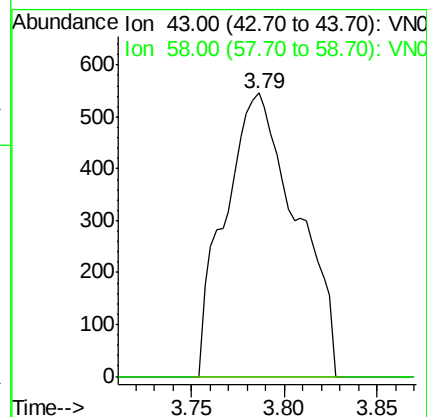
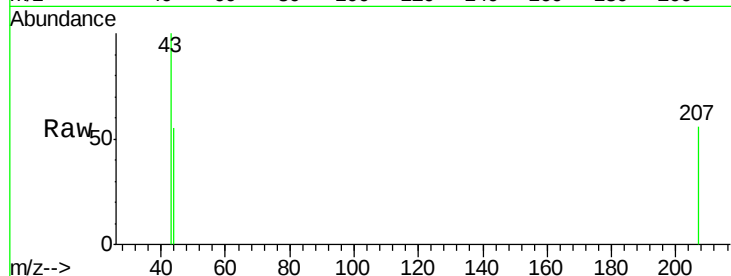




#16
Acetone
Concen: 1.606 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN060700.D
Acq: 25 Mar 2020 16:22

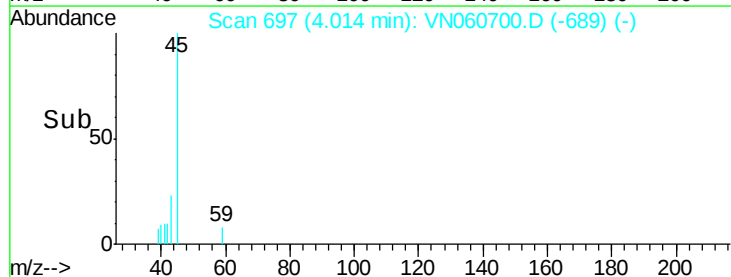
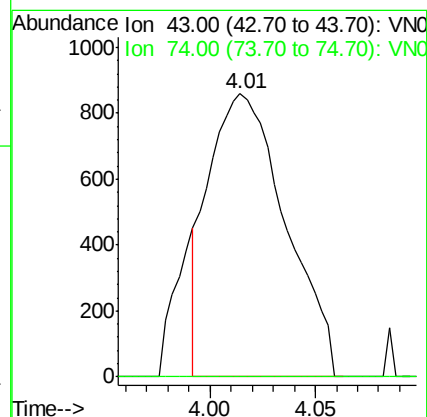
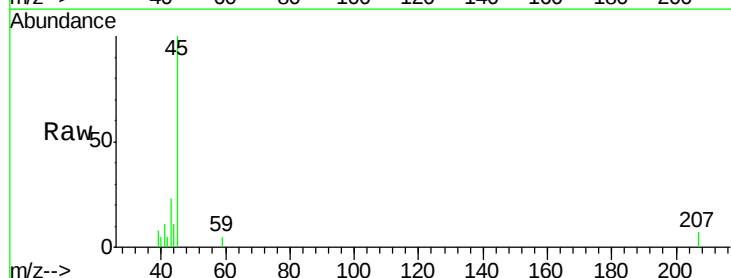
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315

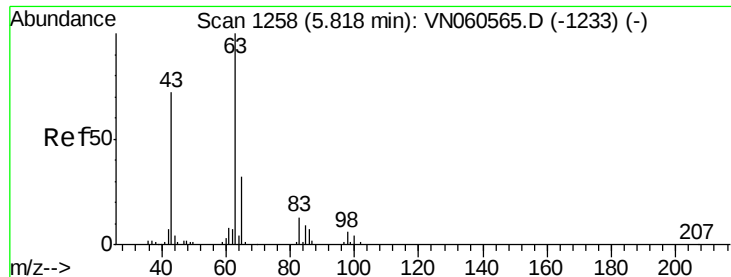
Tgt Ion: 43 Resp: 1466
Ion Ratio Lower Upper
43 100
58 0.0 25.1 37.7#



#18
Methyl Acetate
Concen: 0.846 ug/l
RT: 4.01 min Scan# 697
Delta R.T. -0.27 min
Lab File: VN060700.D
Acq: 25 Mar 2020 16:22

Tgt Ion: 43 Resp: 2174
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#





#24

1,1-Dichloroethane

Concen: 2.828 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN060700.D

Acq: 25 Mar 2020 16:22

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315

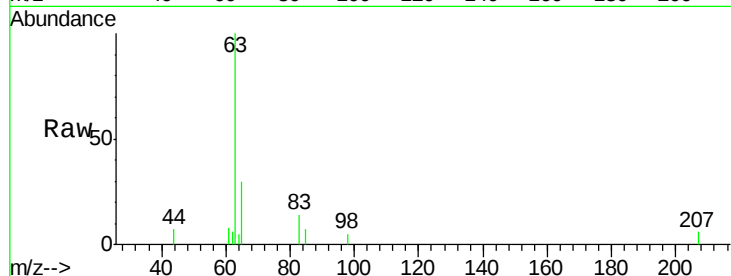
Tgt Ion: 63 Resp: 11639

Ion Ratio Lower Upper

63 100

98 5.0 2.9 8.7

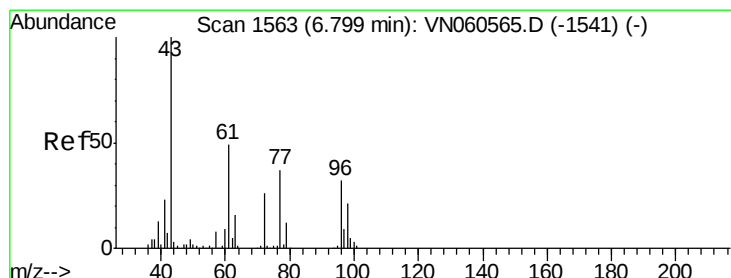
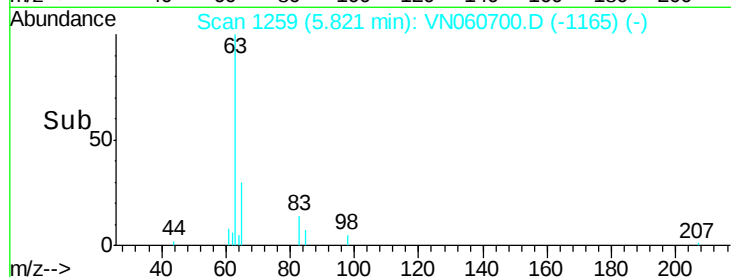
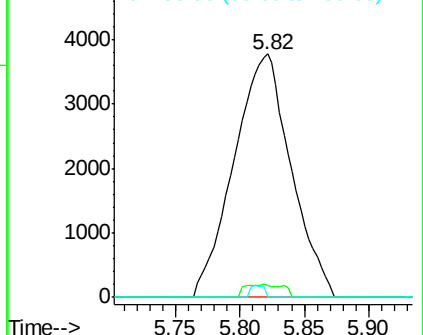
100 0.0 1.8 5.5#



Abundance Ion 62.90 (62.60 to 63.60): VN060700.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060700.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060700.D (-1165) (-)



#27

cis-1,2-Dichloroethene

Concen: 3.899 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060700.D

Acq: 25 Mar 2020 16:22

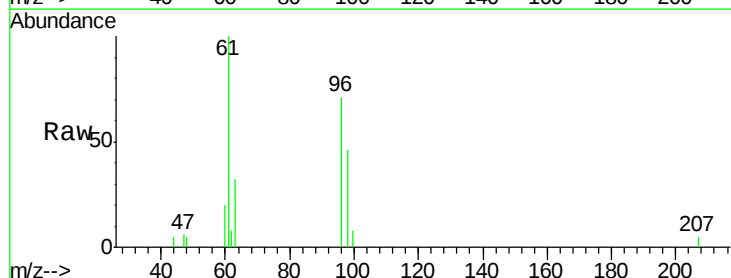
Tgt Ion: 96 Resp: 9594

Ion Ratio Lower Upper

96 100

61 134.5 0.0 305.6

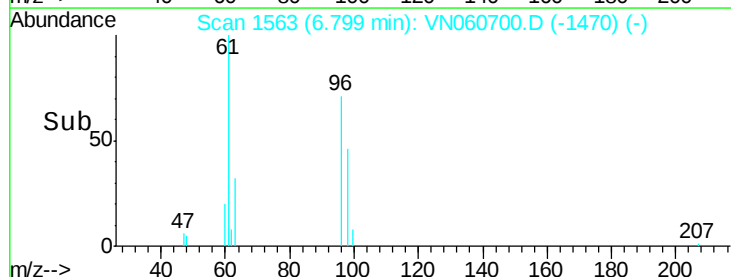
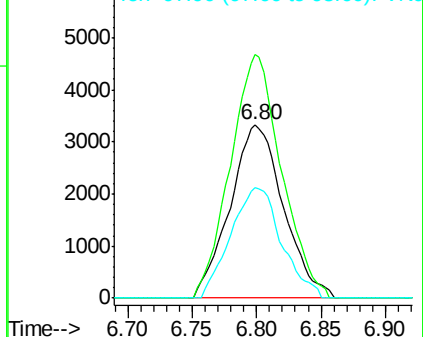
98 60.8 0.0 127.6

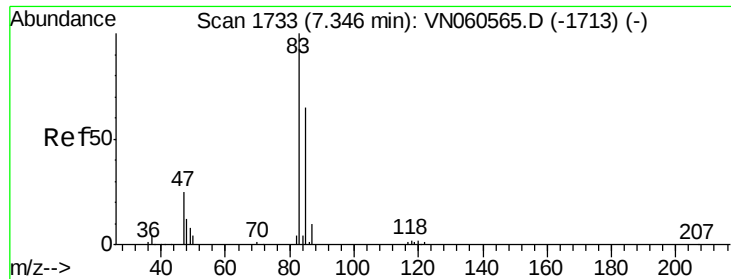


Abundance Ion 95.90 (95.60 to 96.60): VN060700.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN060700.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN060700.D (-1470) (-)

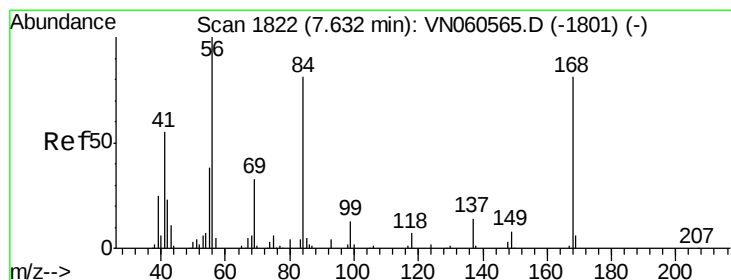
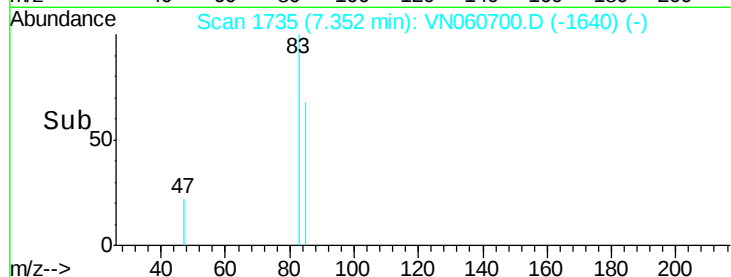
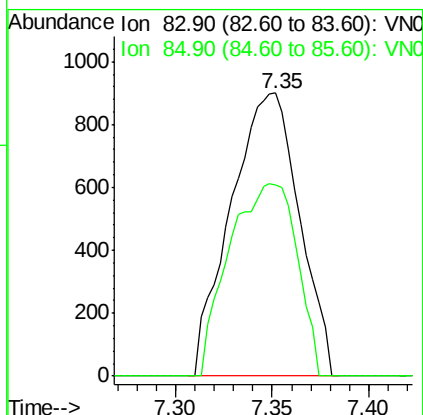
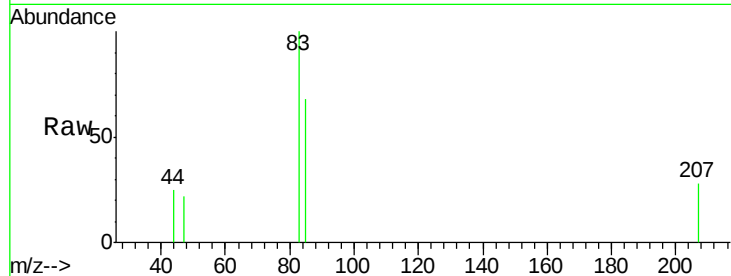




#30
Chloroform
Concen: 0.562 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.01 min
Lab File: VN060700.D
Acq: 25 Mar 2020 16:22

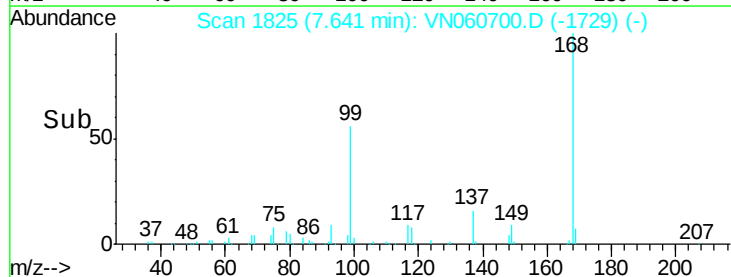
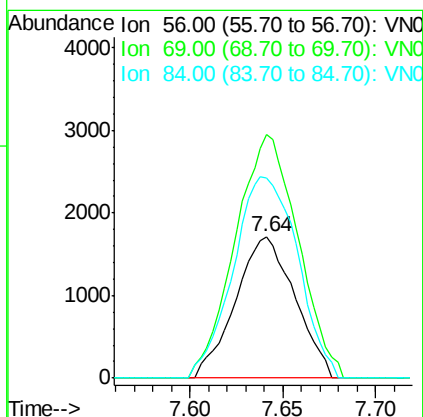
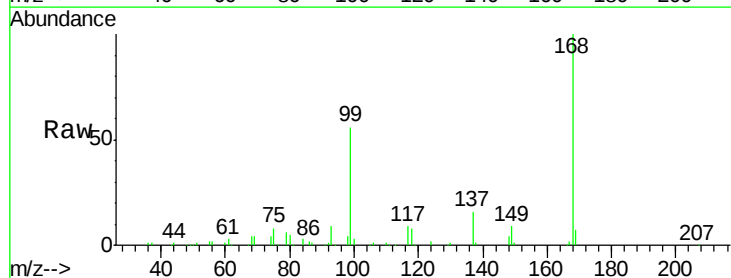
Instrument :
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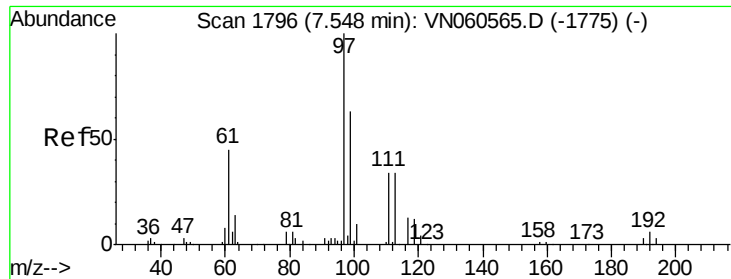
Tgt Ion: 83 Resp: 2216
Ion Ratio Lower Upper
83 100
85 67.7 51.8 77.8



#31
Cyclohexane
Concen: 0.921 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060700.D
Acq: 25 Mar 2020 16:22

Tgt Ion: 56 Resp: 3820
Ion Ratio Lower Upper
56 100
69 171.8 26.6 40.0#
84 140.9 64.3 96.5#

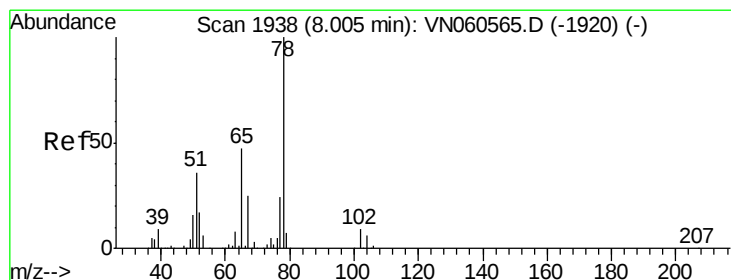
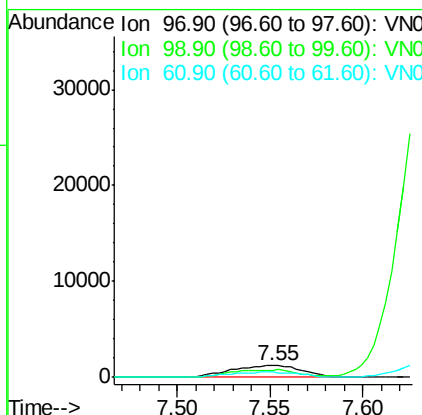
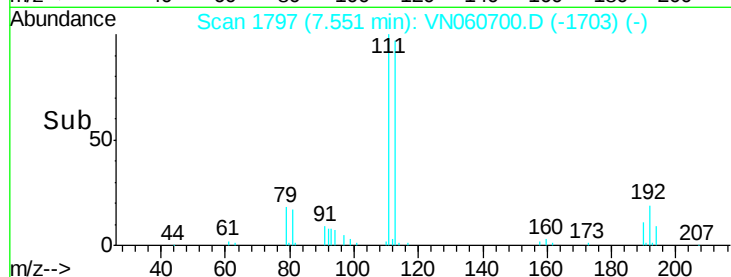
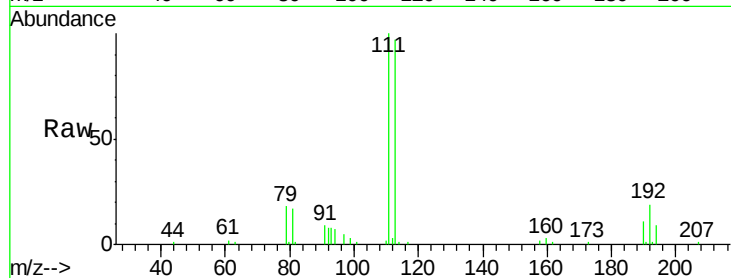




#32
 1,1,1-Trichloroethane
 Concen: 0.950 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN060700.D
 Acq: 25 Mar 2020 16:22

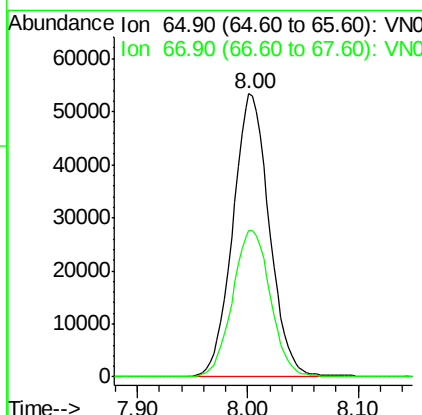
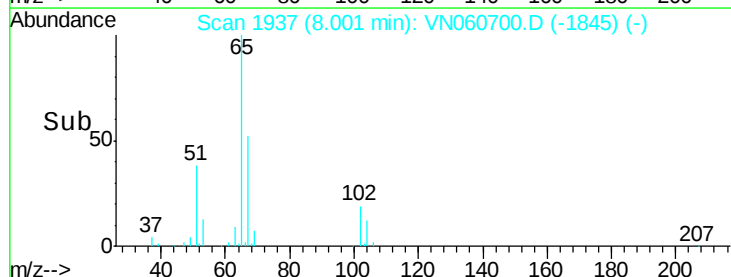
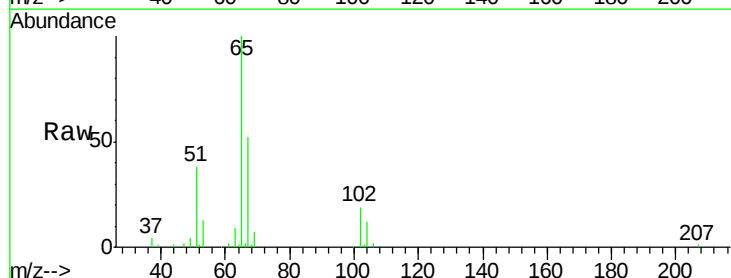
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315

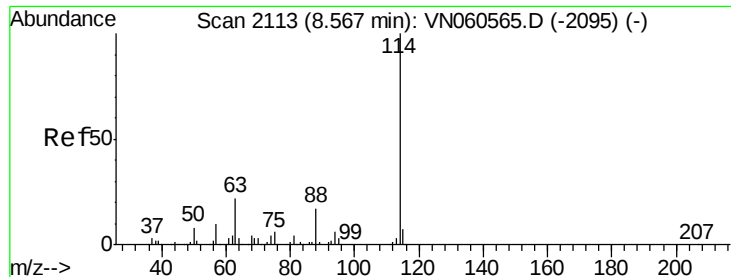
Tgt Ion: 97 Resp: 3233
 Ion Ratio Lower Upper
 97 100
 99 0.0 50.6 75.8#
 61 43.6 36.2 54.4



#33
 1,2-Dichloroethane-d4
 Concen: 47.481 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060700.D
 Acq: 25 Mar 2020 16:22

Tgt Ion: 65 Resp: 122324
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.6

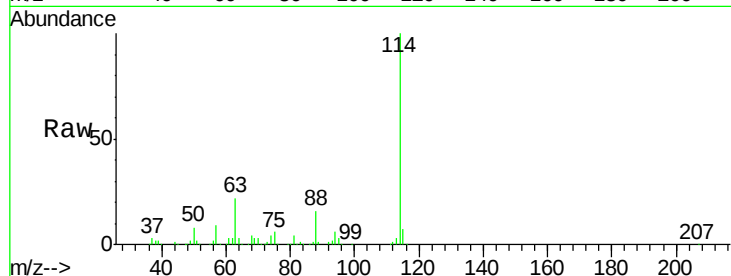




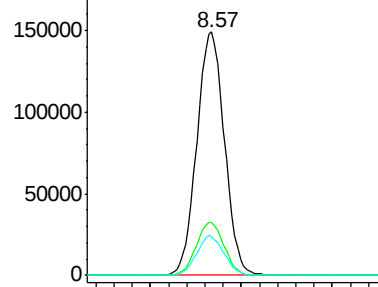
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060700.D
 Acq: 25 Mar 2020 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315

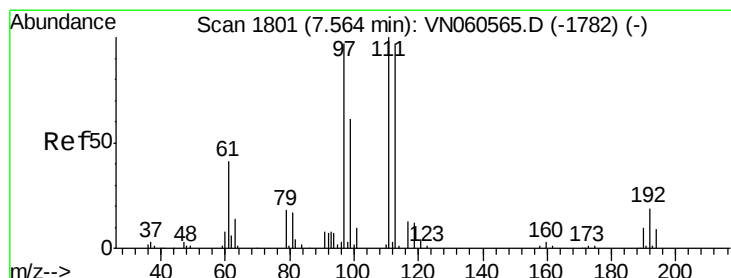
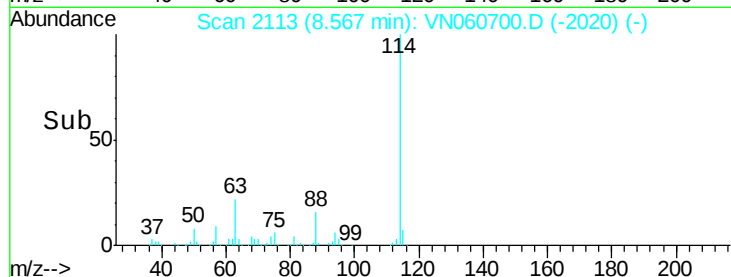
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.8
88	16.2	0.0	33.0



Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

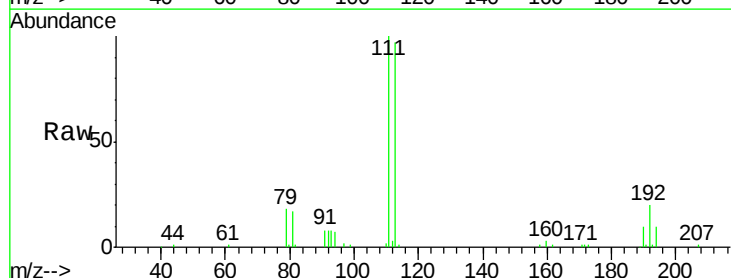


Time-->

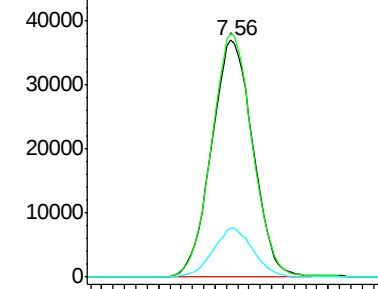


#35
 Dibromofluoromethane
 Concen: 49.430 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060700.D
 Acq: 25 Mar 2020 16:22

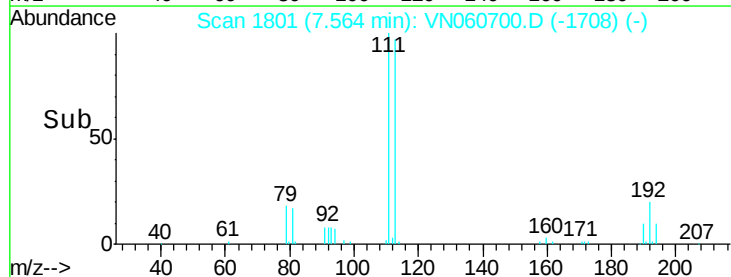
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.9	124.3
192	19.9	15.8	23.8

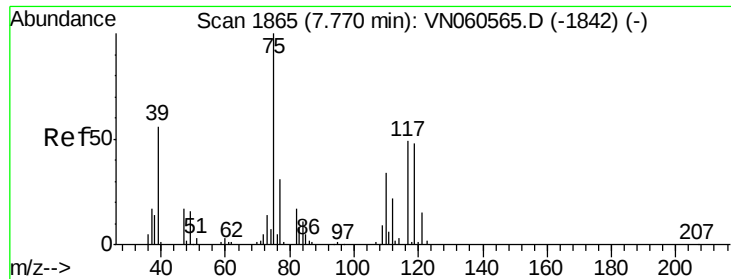


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->

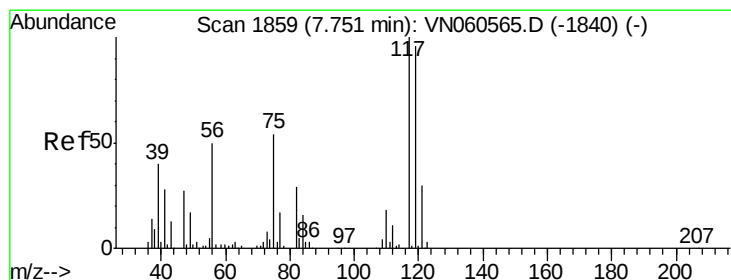
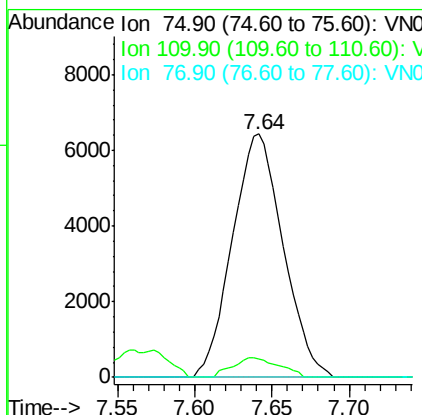
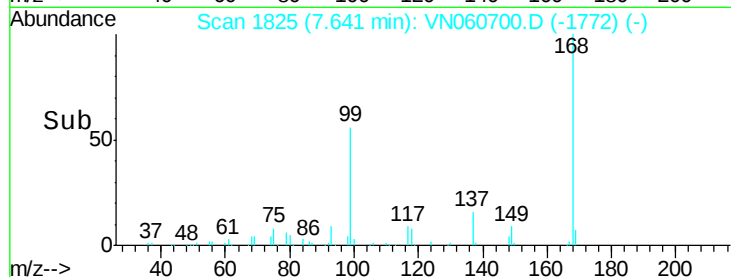
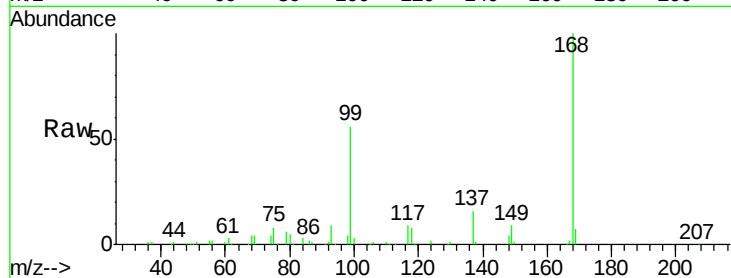




#36
 1,1-Dichloropropene
 Concen: 4.821 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060700.D
 Acq: 25 Mar 2020 16:22

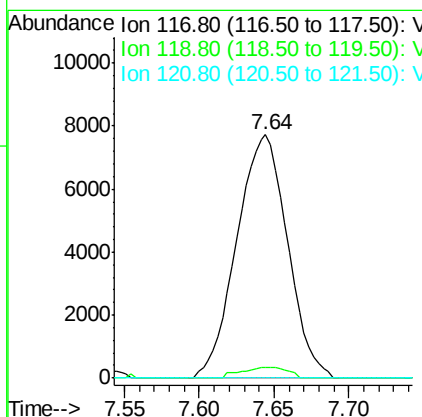
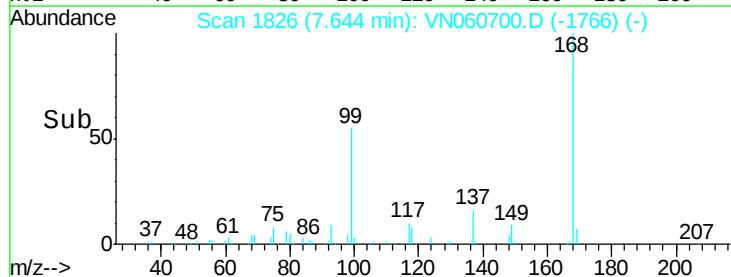
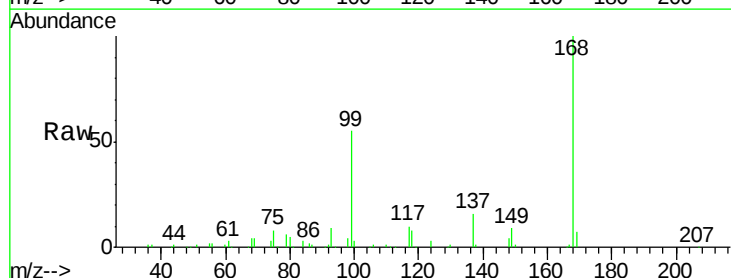
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315

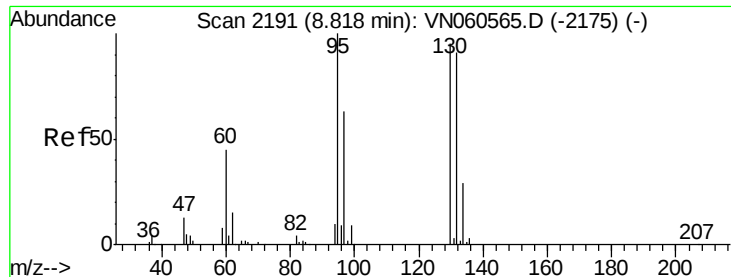
Tgt Ion: 75 Resp: 14685
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.9 50.6#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.678 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060700.D
 Acq: 25 Mar 2020 16:22

Tgt Ion: 117 Resp: 18229
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.2 114.2#
 121 0.0 23.7 35.5#

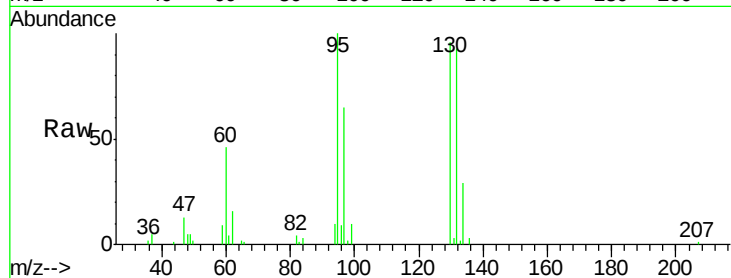




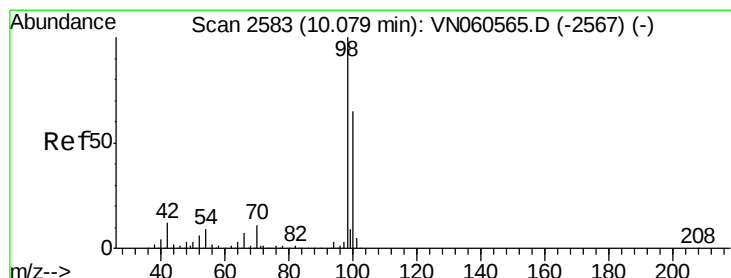
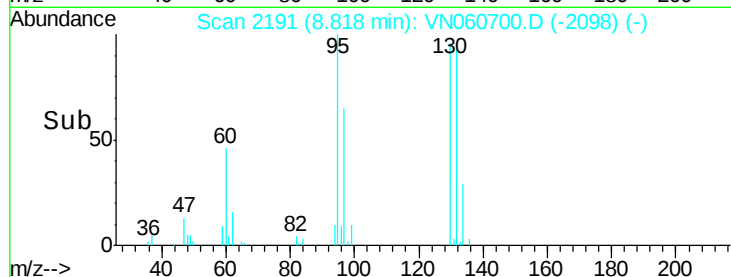
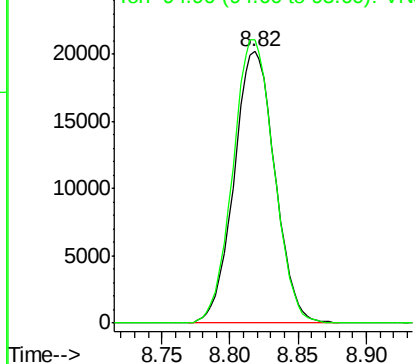
#44
 Trichloroethene
 Concen: 18.155 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN060700.D
 Acq: 25 Mar 2020 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315

Tgt Ion:130 Resp: 42080
 Ion Ratio Lower Upper
 130 100
 95 104.1 0.0 211.2

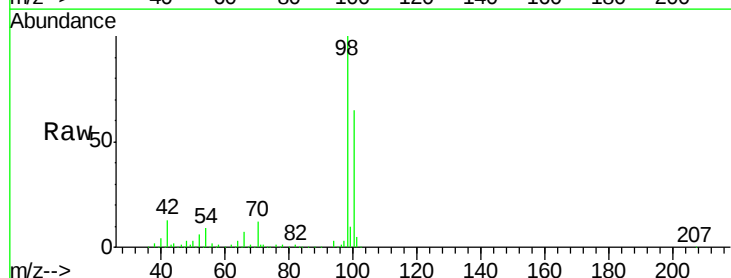


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

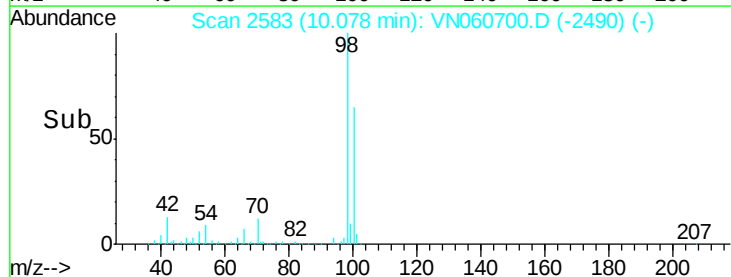
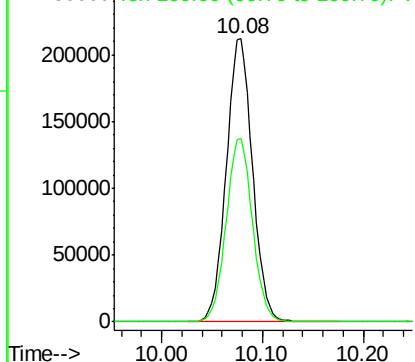


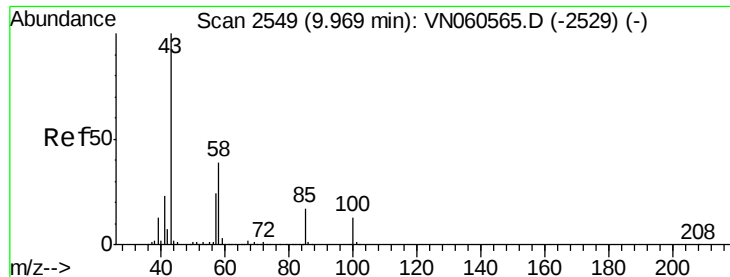
#50
 Toluene-d8
 Concen: 49.574 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN060700.D
 Acq: 25 Mar 2020 16:22

Tgt Ion: 98 Resp: 385138
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN
 Ion 100.00 (99.70 to 100.70): VN

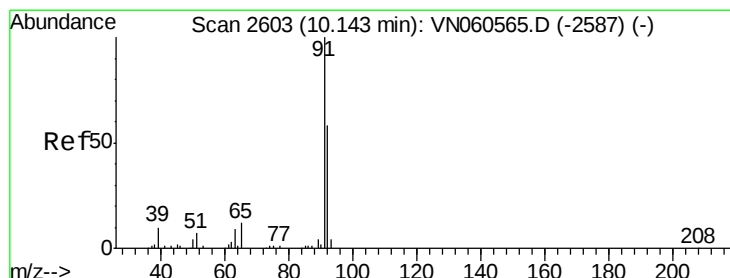
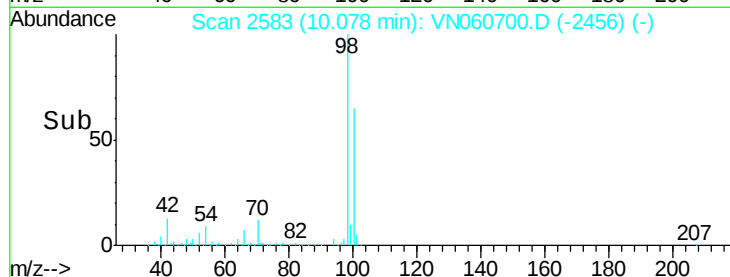
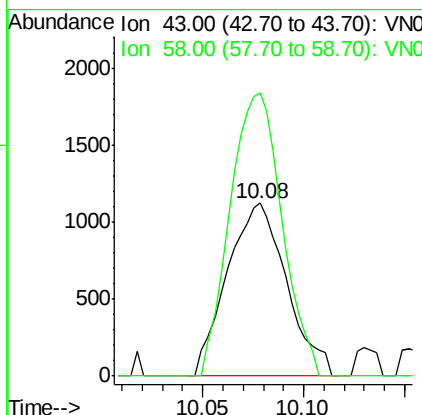
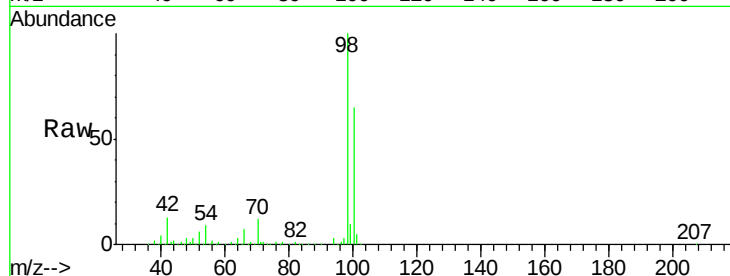




#51
 4-Methyl-2-Pentanone
 Concen: 0.748 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.11 min
 Lab File: VN060700.D
 Acq: 25 Mar 2020 16:22

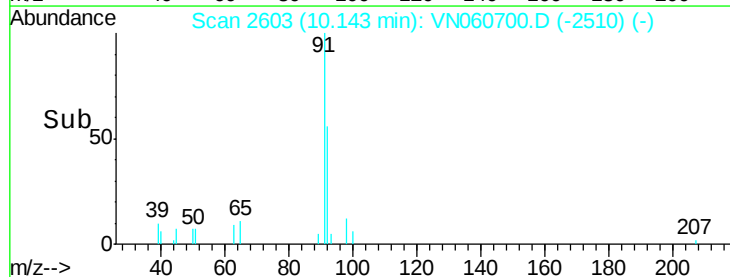
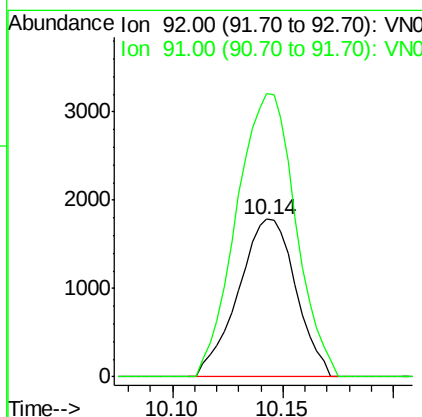
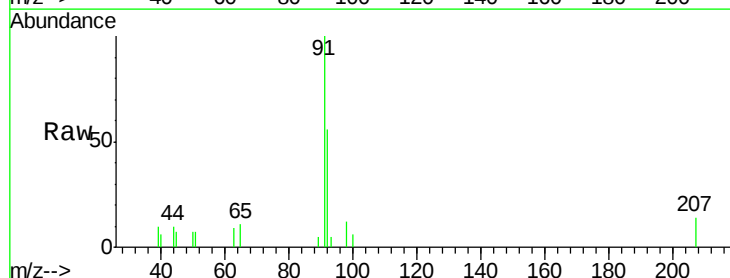
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315

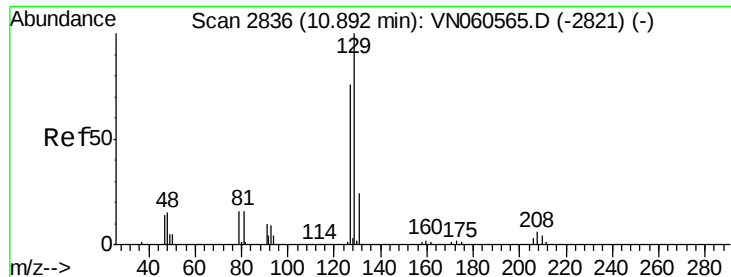
Tgt Ion: 43 Resp: 2309
 Ion Ratio Lower Upper
 43 100
 58 143.6 30.8 46.2#



#52
 Toluene
 Concen: 0.582 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN060700.D
 Acq: 25 Mar 2020 16:22

Tgt Ion: 92 Resp: 3234
 Ion Ratio Lower Upper
 92 100
 91 184.8 137.6 206.4





#60

Dibromochloromethane

Concen: 0.735 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.27 min

Lab File: VN060700.D

Acq: 25 Mar 2020 16:22

Instrument :

MSVOA_N

ClientSampleId :

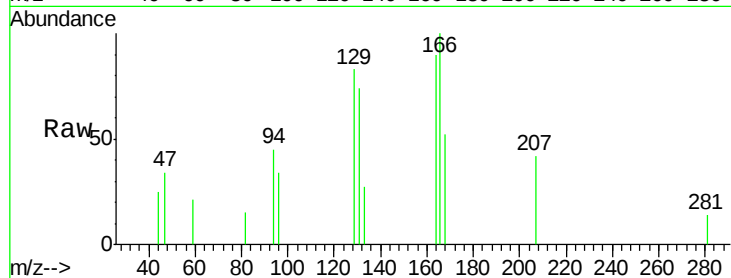
MW203D-20200315

Tgt Ion:129 Resp: 1621

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.62

800

600

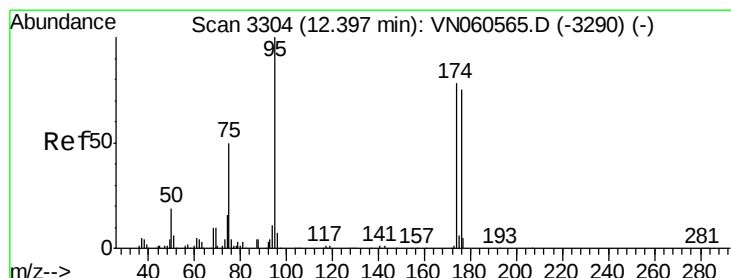
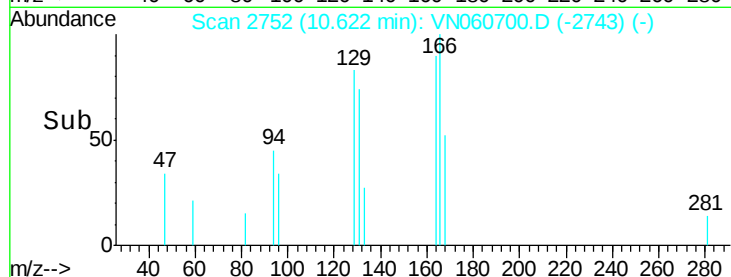
400

200

0

10.60 10.65

Time-->



#62

4-Bromofluorobenzene

Concen: 50.396 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060700.D

Acq: 25 Mar 2020 16:22

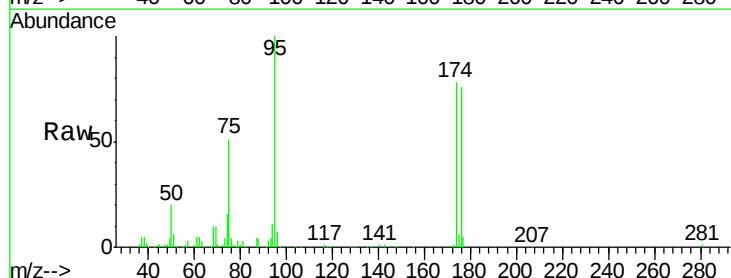
Tgt Ion: 95 Resp: 143487

Ion Ratio Lower Upper

95 100

174 78.2 0.0 157.6

176 76.8 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

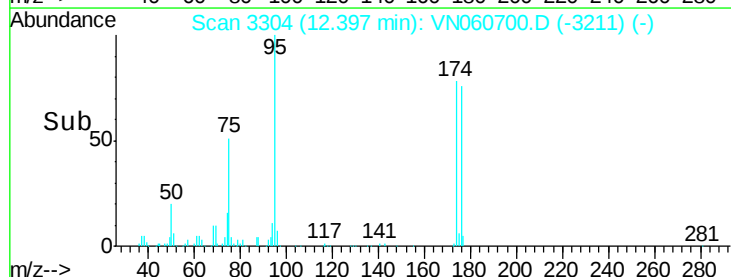
40000

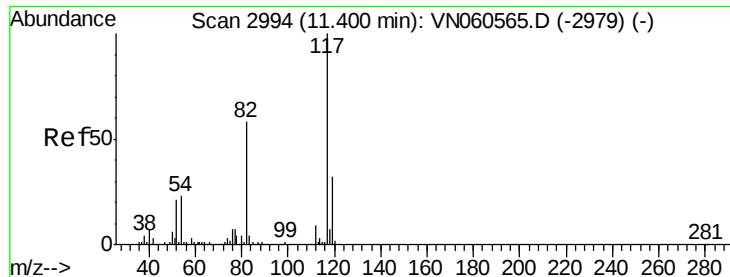
20000

0

12.35 12.40 12.45

Time-->

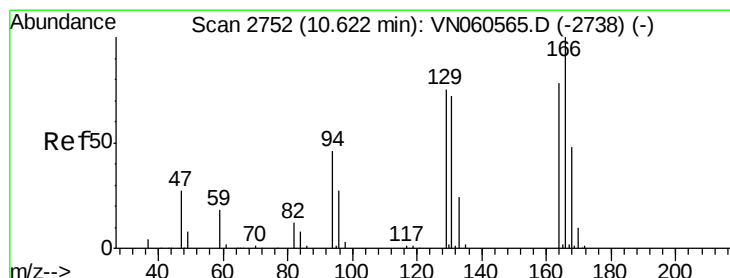
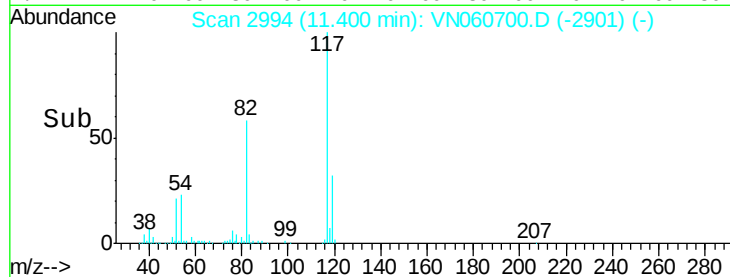
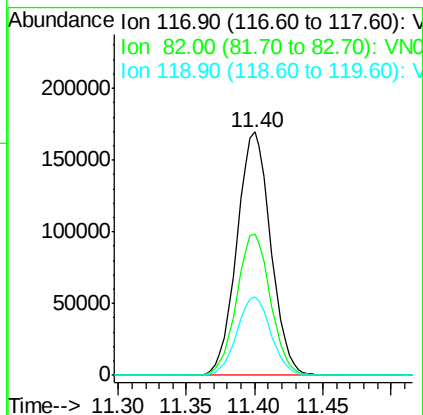
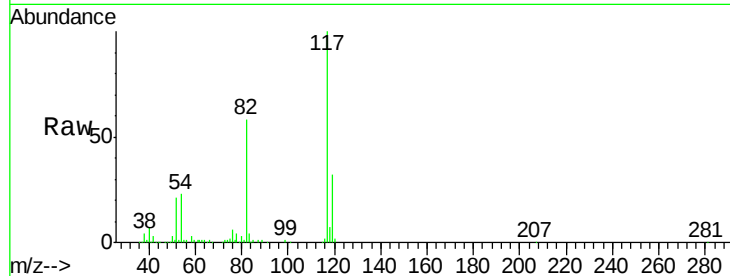




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060700.D
Acq: 25 Mar 2020 16:22

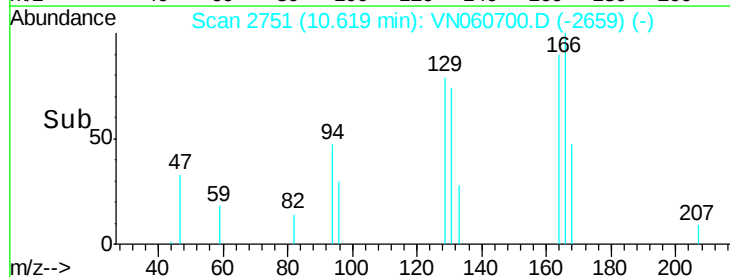
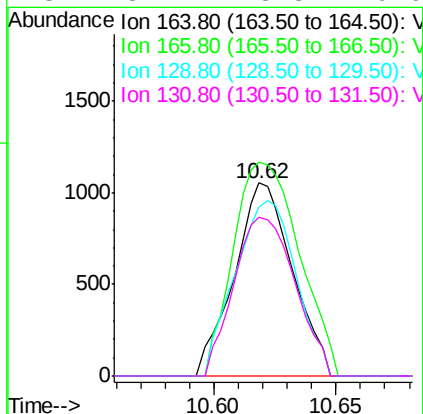
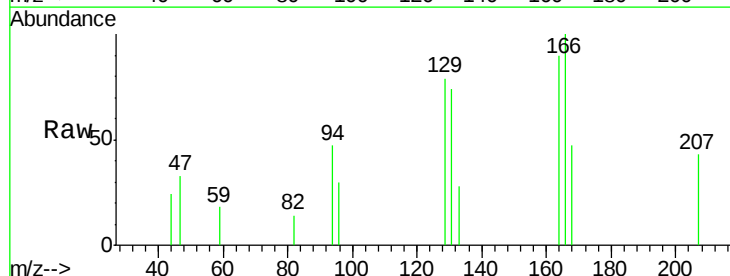
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315

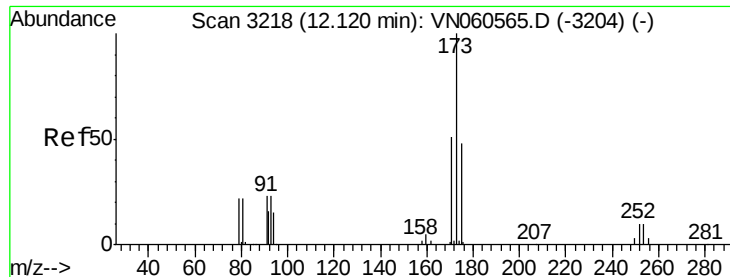
Tgt Ion:117 Resp: 291929
Ion Ratio Lower Upper
117 100
82 58.0 46.7 70.1
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 0.756 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060700.D
Acq: 25 Mar 2020 16:22

Tgt Ion:164 Resp: 1736
Ion Ratio Lower Upper
164 100
166 110.5 102.7 154.1
129 87.5 77.2 115.8
131 82.2 73.8 110.6

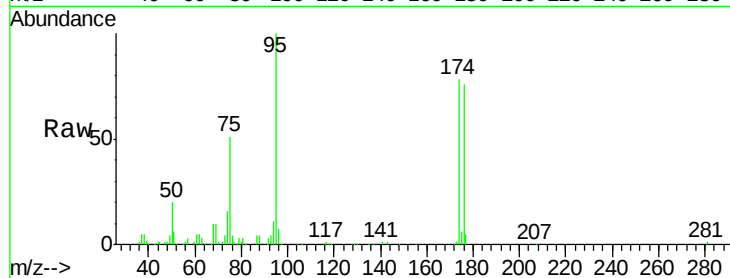




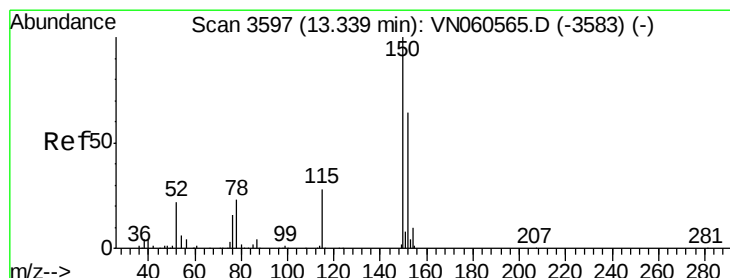
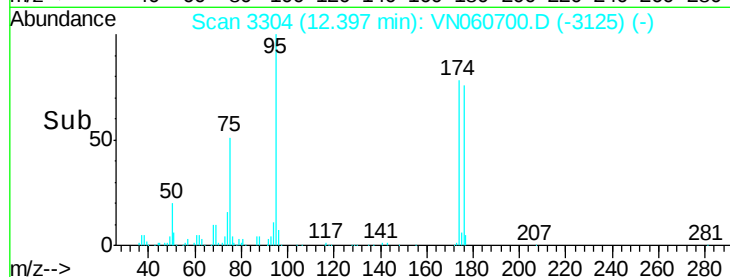
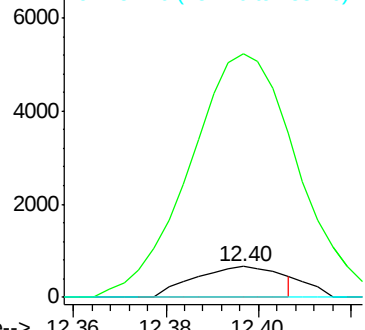
#71
Bromoform
Concen: 2.158 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060700.D
Acq: 25 Mar 2020 16:22

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315

Tgt Ion:173 Resp: 861
Ion Ratio Lower Upper
173 100
175 836.5 24.1 72.4#
254 0.0 0.0 0.0

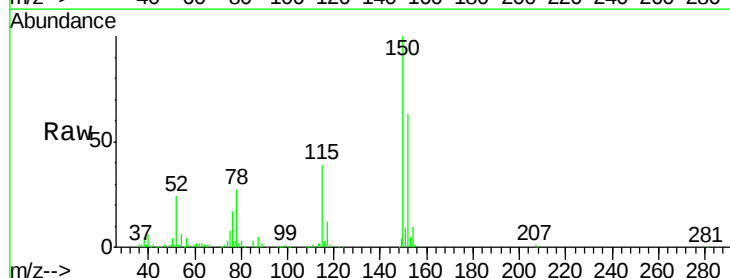


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

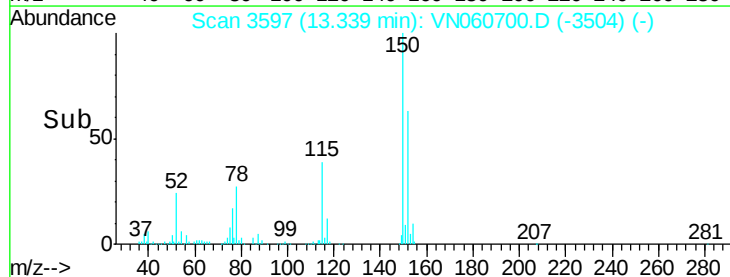
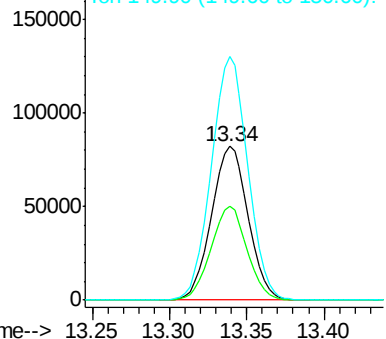


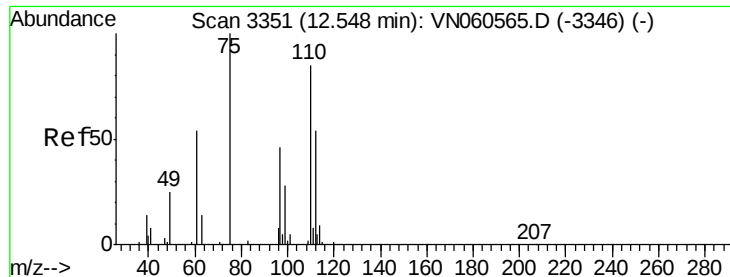
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060700.D
Acq: 25 Mar 2020 16:22

Tgt Ion:152 Resp: 135316
Ion Ratio Lower Upper
152 100
115 59.9 30.2 90.6
150 157.5 0.0 350.2



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

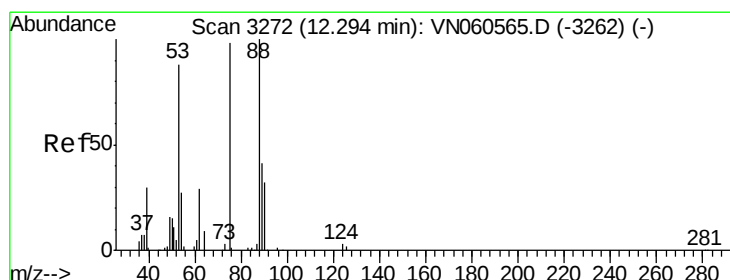
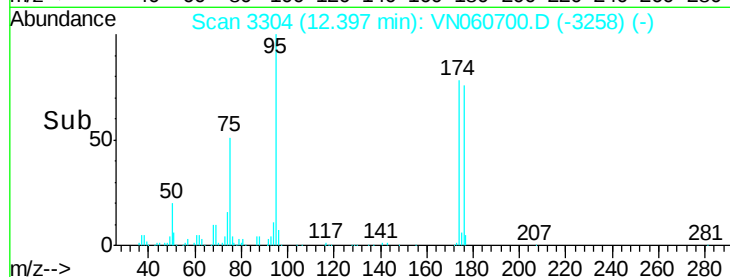
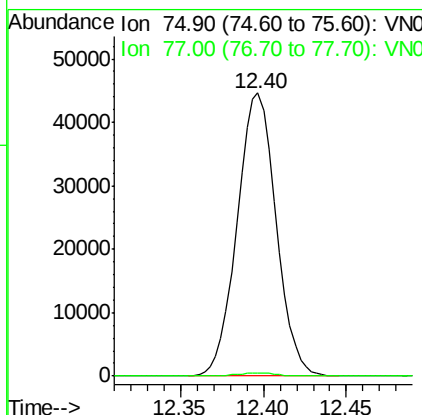
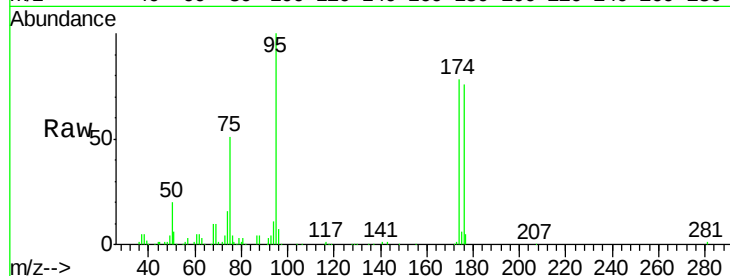




#76
 1,2,3-Trichloropropane
 Concen: 24.968 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060700.D
 Acq: 25 Mar 2020 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315

Tgt Ion: 75 Resp: 72903
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.126 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060700.D
 Acq: 25 Mar 2020 16:22

Tgt Ion: 75 Resp: 72903
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

