

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032520\
 Data File : VN060701.D
 Acq On : 25 Mar 2020 16:44
 Operator : JC/MD
 Sample : L1997-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D1-20200315

Quant Time: Mar 26 02:51:10 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	191951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	322222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143235	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	126758	48.10	ug/l	0.00
Spiked Amount						
			Recovery	=	96.20%	
35) Dibromofluoromethane	7.56	113	95599	49.07	ug/l	0.00
Spiked Amount						
			Recovery	=	98.14%	
50) Toluene-d8	10.08	98	396299	49.80	ug/l	0.00
Spiked Amount						
			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	149112	51.12	ug/l	0.00
Spiked Amount						
			Recovery	=	102.24%	

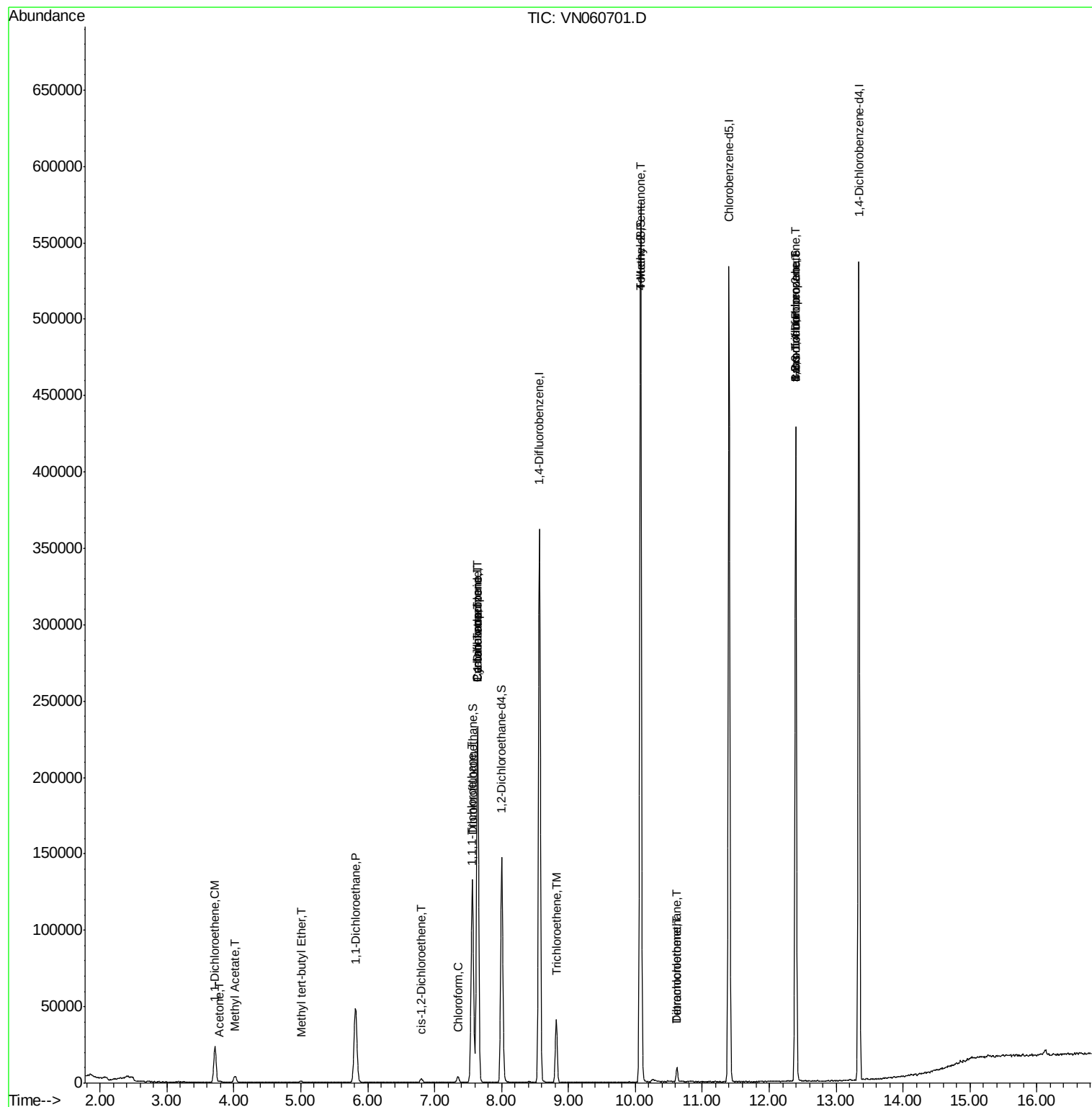
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.72	96	13127	6.316	ug/l	96
16) Acetone	3.78	43	951	1.019	ug/l	95
18) Methyl Acetate	4.02	43	1486	0.566	ug/l #	54
19) Methyl tert-butyl Ether	5.00	73	1738	0.243	ug/l #	54
24) 1,1-Dichloroethane	5.82	63	78180	18.571	ug/l	99
27) cis-1,2-Dichloroethene	6.79	96	1023	0.406	ug/l	29
30) Chloroform	7.35	83	4281	1.061	ug/l	94
31) Cyclohexane	7.64	56	4024	0.948	ug/l #	1
32) 1,1,1-Trichloroethane	7.54	97	10743	3.088	ug/l	97
36) 1,1-Dichloropropene	7.64	75	14964	4.796	ug/l #	49
38) Carbon Tetrachloride	7.64	117	17772	6.355	ug/l #	17
44) Trichloroethene	8.81	130	15092	6.356	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	2354	0.744	ug/l #	1
60) Dibromochloromethane	10.62	129	2255	0.998	ug/l #	11
64) Tetrachloroethene	10.62	164	2286	0.953	ug/l	94
71) Bromoform	12.39	173	185	1.779	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	75964	24.578	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75964	63.124	ug/l #	13

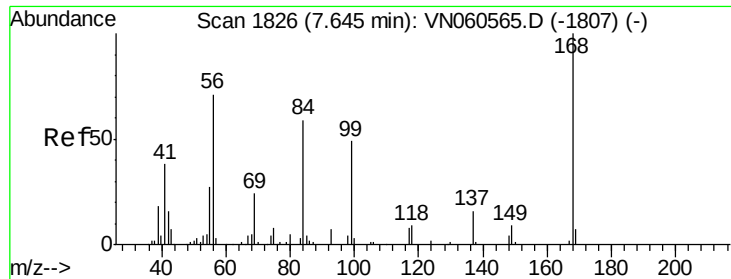
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060701.D

Acq: 25 Mar 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

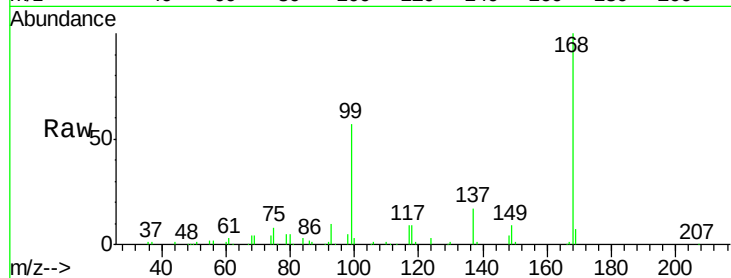
MW203D1-20200315

Tgt Ion:168 Resp: 191951

Ion Ratio Lower Upper

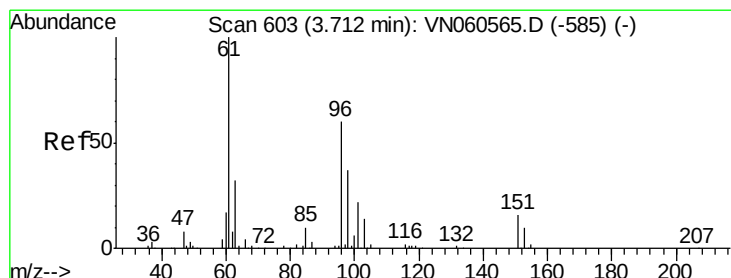
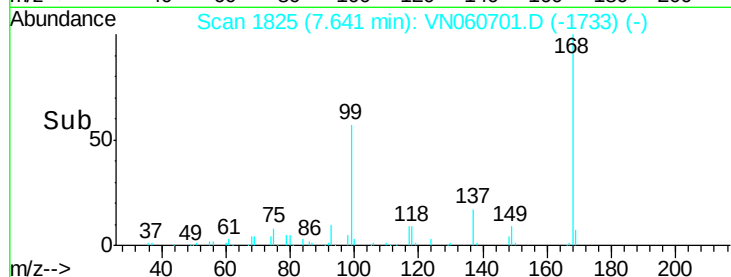
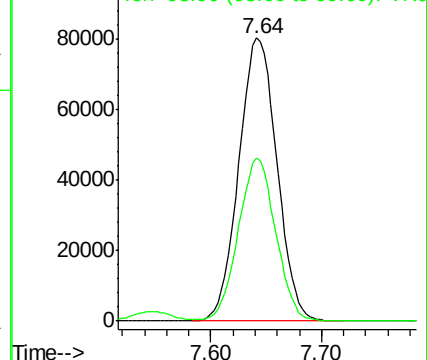
168 100

99 57.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#12

1,1-Dichloroethene

Concen: 6.316 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.01 min

Lab File: VN060701.D

Acq: 25 Mar 2020 16:44

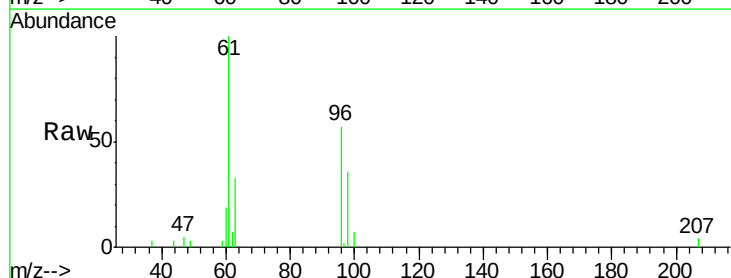
Tgt Ion: 96 Resp: 13127

Ion Ratio Lower Upper

96 100

61 174.0 134.1 201.1

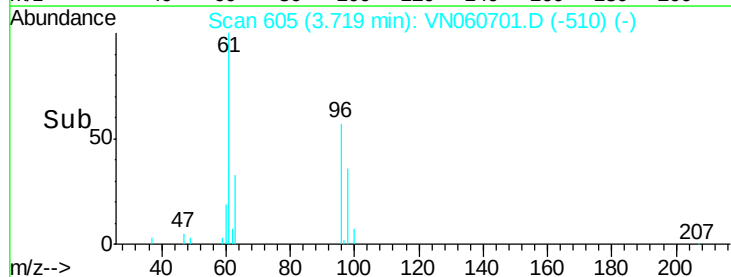
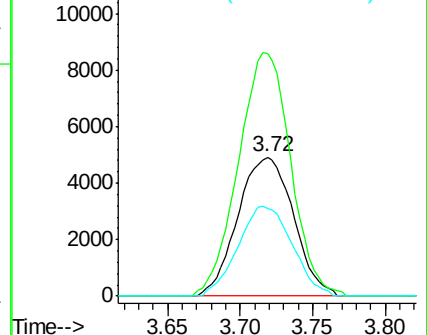
98 63.3 49.9 74.9

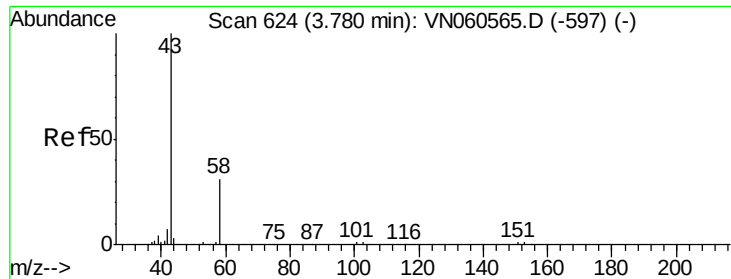


Abundance Ion 95.90 (95.60 to 96.60): VN

Ion 60.90 (60.60 to 61.60): VN

Ion 97.90 (97.60 to 98.60): VN





#16

Acetone

Concen: 1.019 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060701.D

Acq: 25 Mar 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

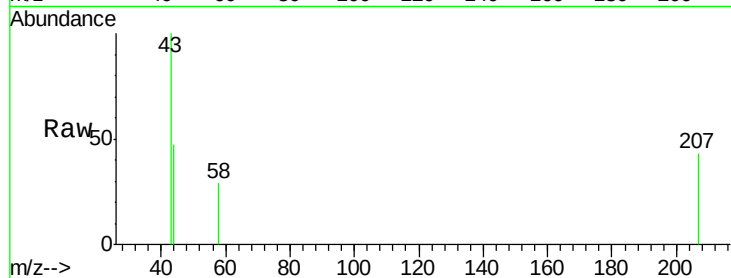
MW203D1-20200315

Tgt Ion: 43 Resp: 951

Ion Ratio Lower Upper

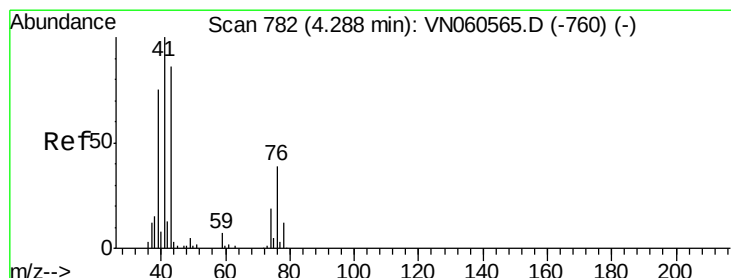
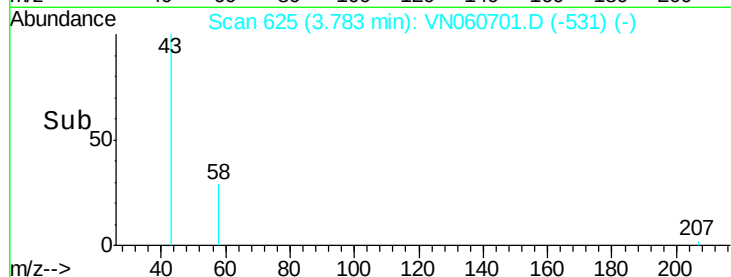
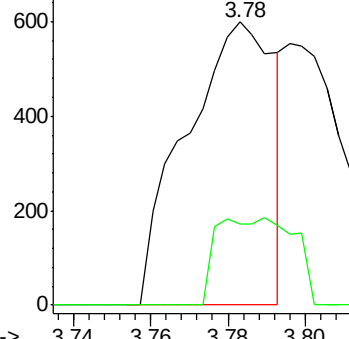
43 100

58 28.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.566 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.27 min

Lab File: VN060701.D

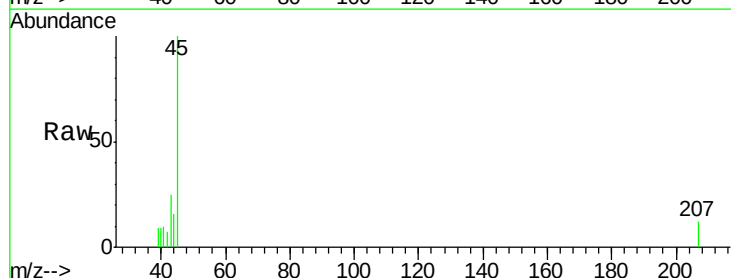
Acq: 25 Mar 2020 16:44

Tgt Ion: 43 Resp: 1486

Ion Ratio Lower Upper

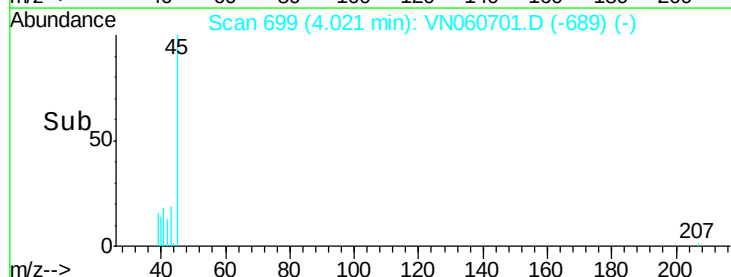
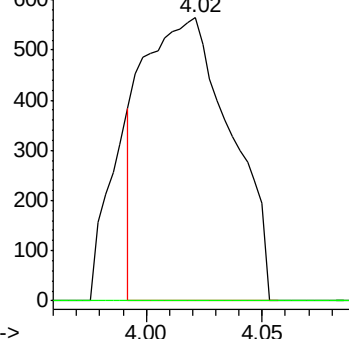
43 100

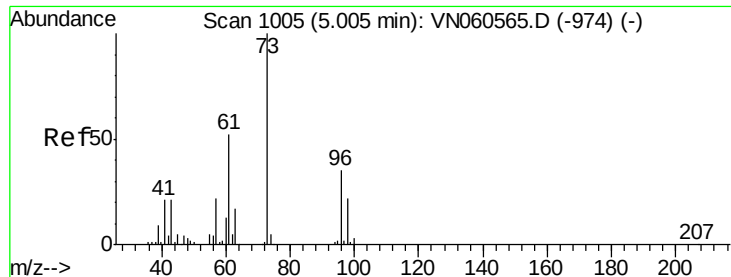
74 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 0.243 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VN060701.D

Acq: 25 Mar 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

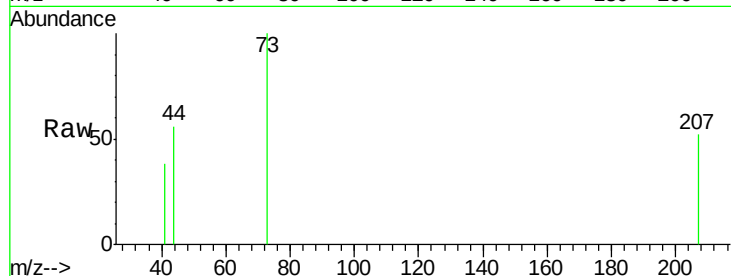
MW203D1-20200315

Tgt Ion: 73 Resp: 1738

Ion Ratio Lower Upper

73 100

57 0.0 17.5 26.3#

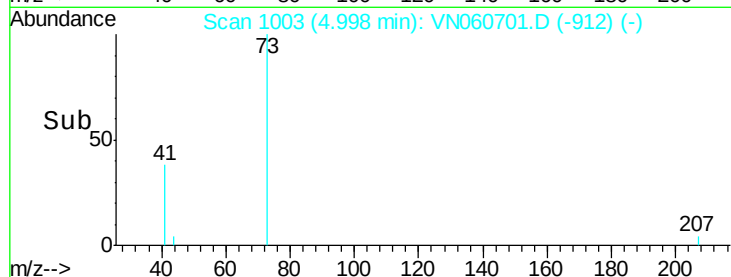


Abundance Ion 73.00 (72.70 to 73.70): VN060701.D (-912) (-)

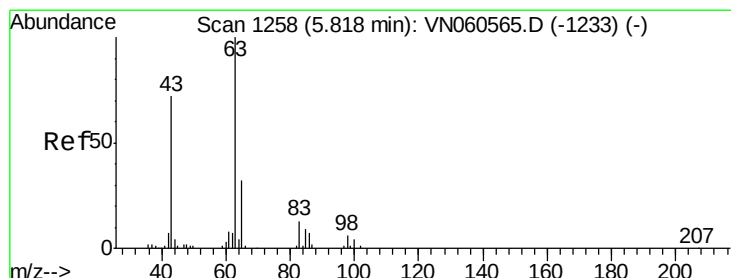
Ion 57.00 (56.70 to 57.70): VN060701.D (-912) (-)

5.00

4.95 5.00 5.05



Time-->



#24

1,1-Dichloroethane

Concen: 18.571 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060701.D

Acq: 25 Mar 2020 16:44

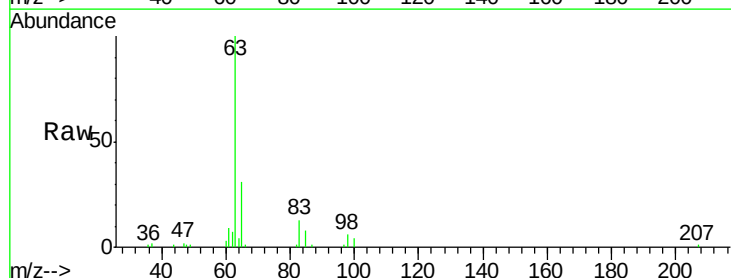
Tgt Ion: 63 Resp: 78180

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

100 4.2 1.8 5.5



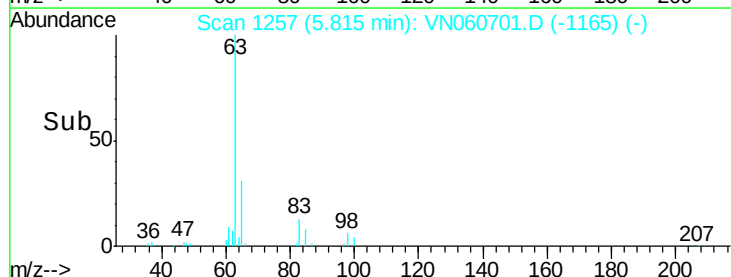
Abundance Ion 62.90 (62.60 to 63.60): VN060701.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060701.D (-1165) (-)

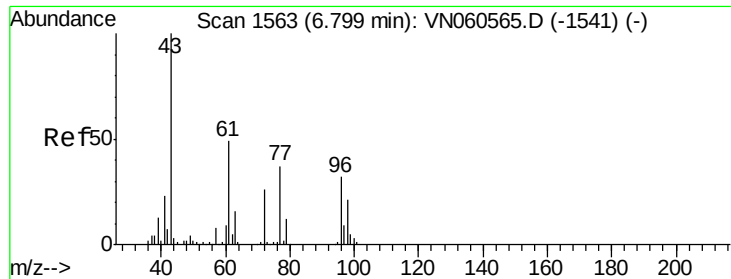
Ion 99.90 (99.60 to 100.60): VN060701.D (-1165) (-)

5.82

5.70 5.80 5.90



Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.406 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060701.D

Acq: 25 Mar 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20200315

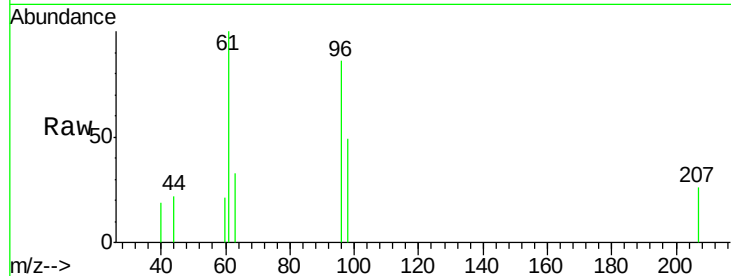
Tgt Ion: 96 Resp: 1023

Ion Ratio Lower Upper

96 100

61 252.1 0.0 305.6

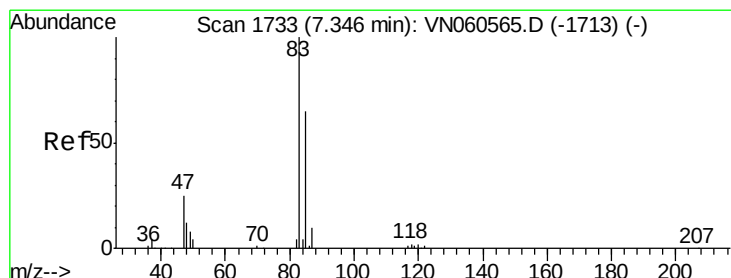
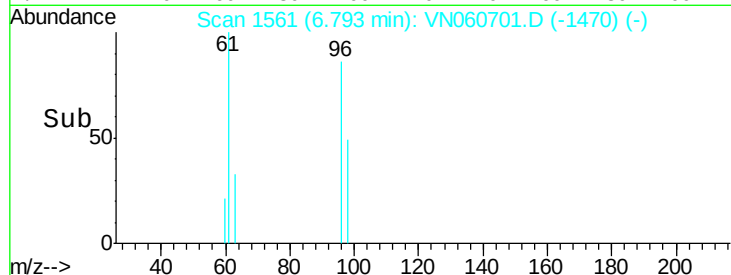
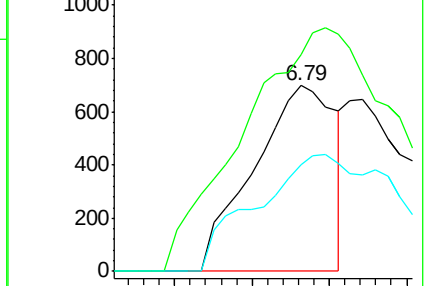
98 107.2 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN060701.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN060701.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN060701.D (-1470) (-)



#30

Chloroform

Concen: 1.061 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN060701.D

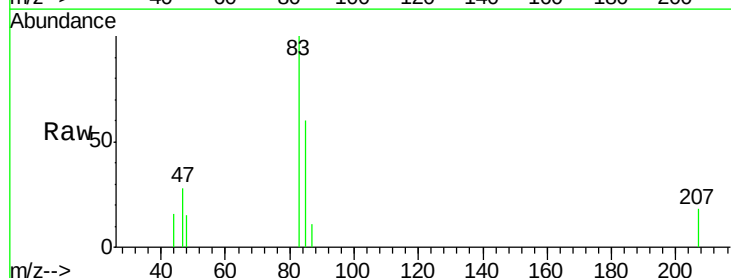
Acq: 25 Mar 2020 16:44

Tgt Ion: 83 Resp: 4281

Ion Ratio Lower Upper

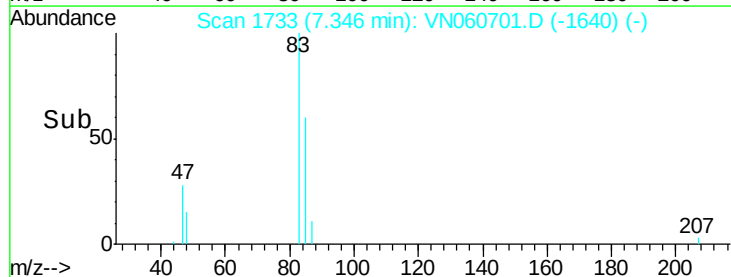
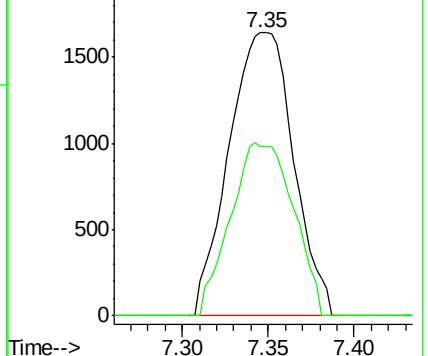
83 100

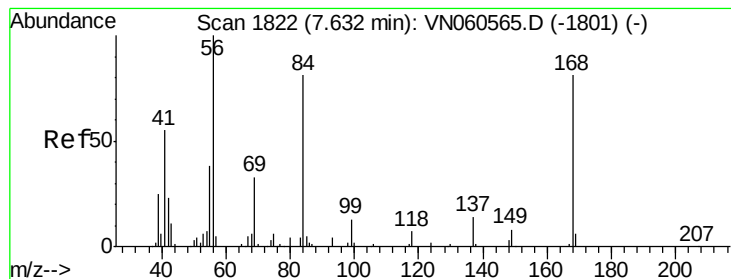
85 59.7 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN060701.D (-1640) (-)

Ion 84.90 (84.60 to 85.60): VN060701.D (-1640) (-)





#31

Cyclohexane

Concen: 0.948 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060701.D

Acq: 25 Mar 2020 16:44

Instrument :

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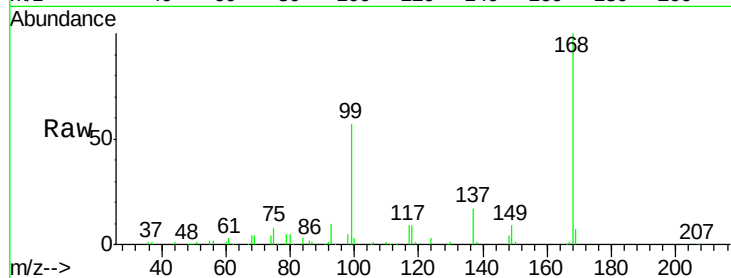
Tgt Ion: 56 Resp: 4024

Ion Ratio Lower Upper

56 100

69 153.2 26.6 40.0#

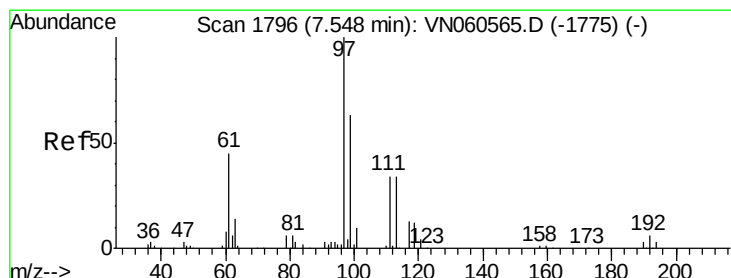
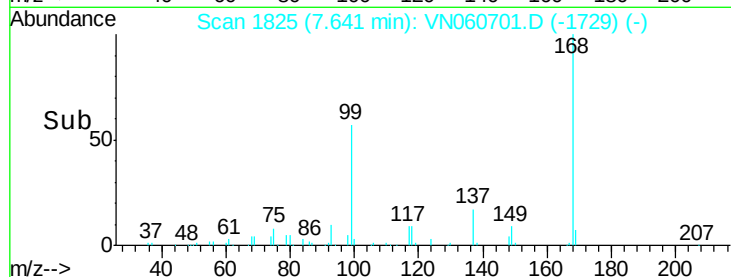
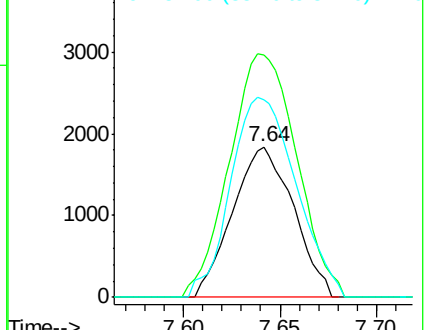
84 131.4 64.3 96.5#



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



#32

1,1,1-Trichloroethane

Concen: 3.088 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060701.D

Acq: 25 Mar 2020 16:44

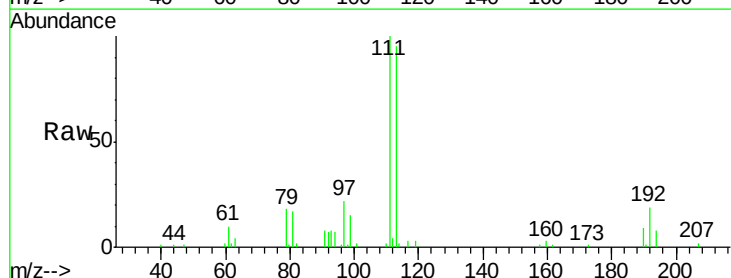
Tgt Ion: 97 Resp: 10743

Ion Ratio Lower Upper

97 100

99 65.1 50.6 75.8

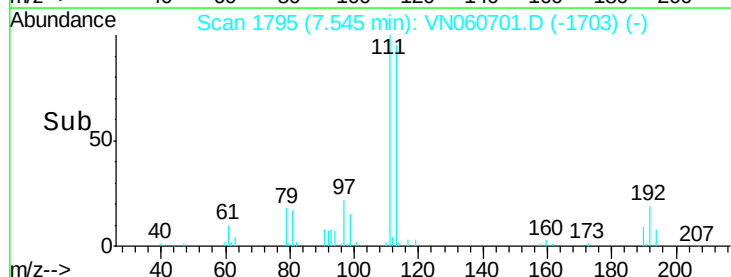
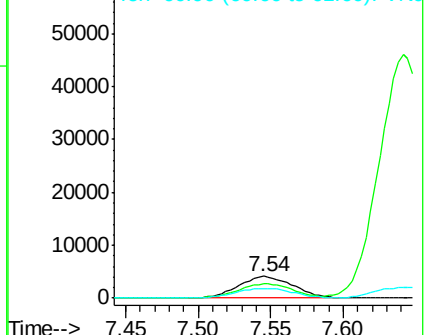
61 47.1 36.2 54.4

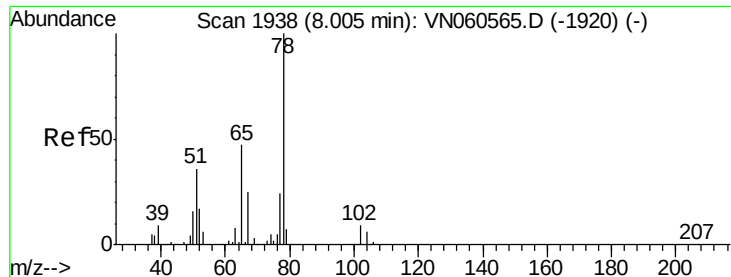


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

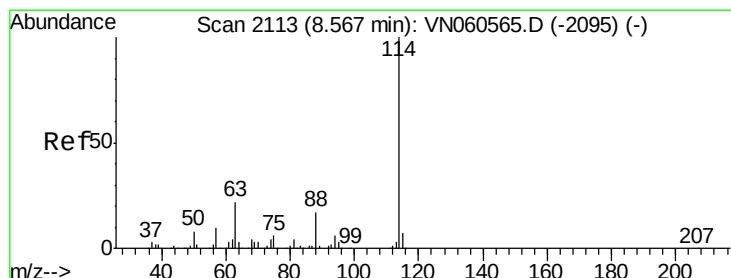
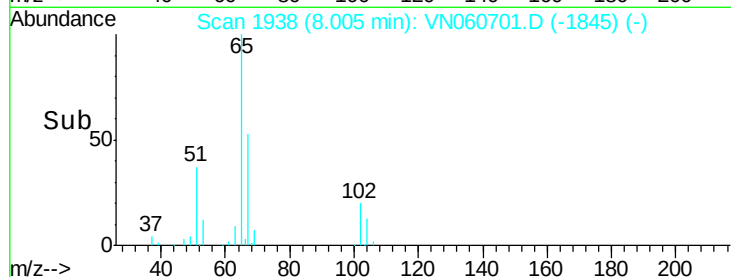
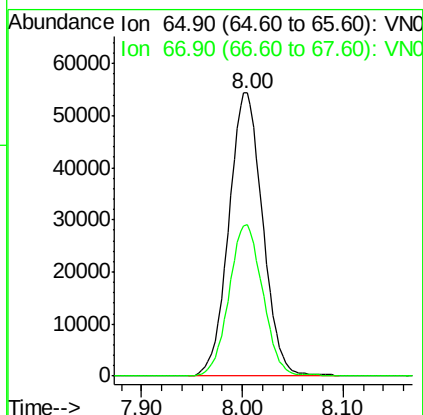
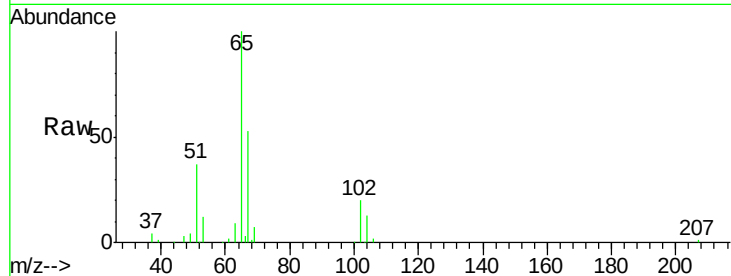




#33
 1,2-Dichloroethane-d4
 Concen: 48.105 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060701.D
 Acq: 25 Mar 2020 16:44

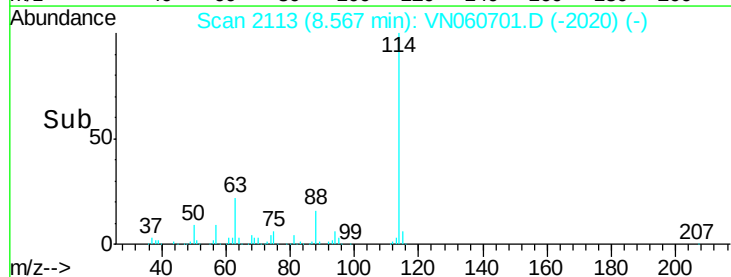
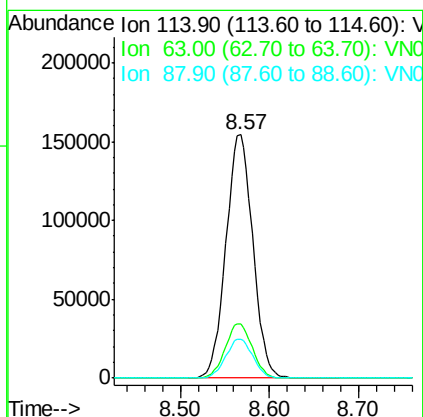
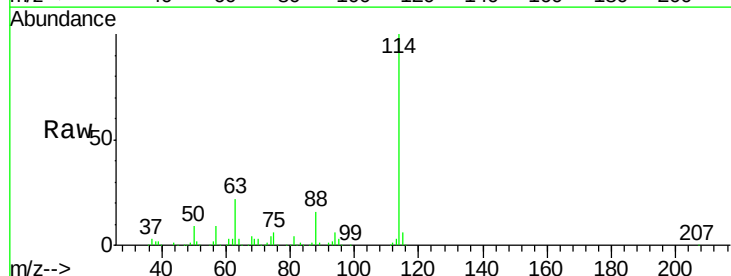
Instrument :
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 MW203D1-20200315

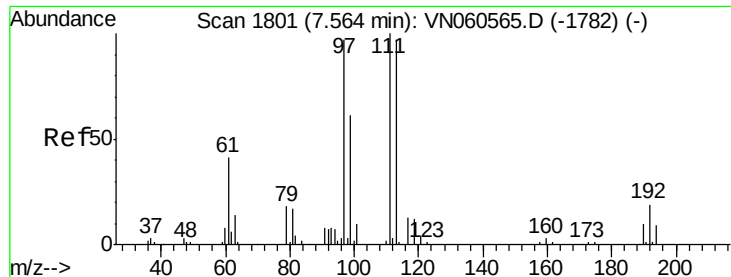
Tgt Ion: 65 Resp: 126758
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060701.D
 Acq: 25 Mar 2020 16:44

Tgt Ion: 114 Resp: 322222
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 16.1 0.0 33.0

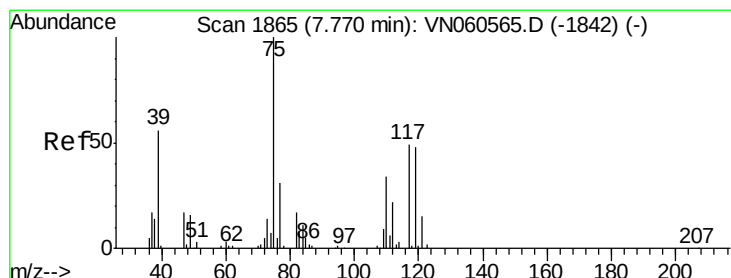
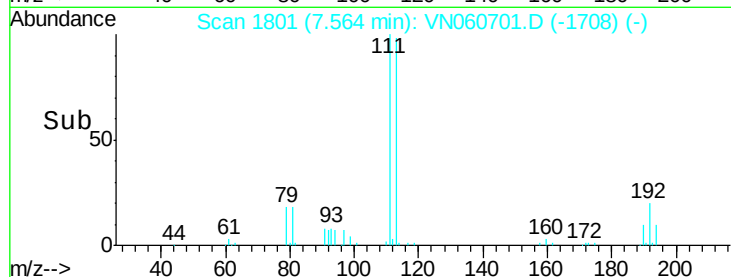
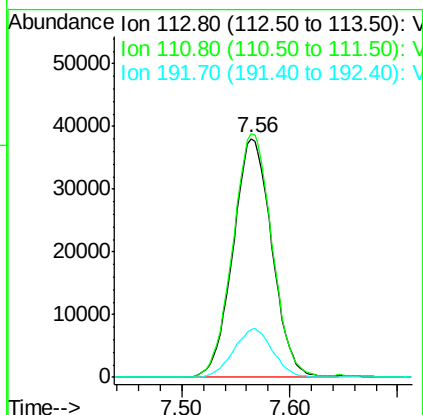
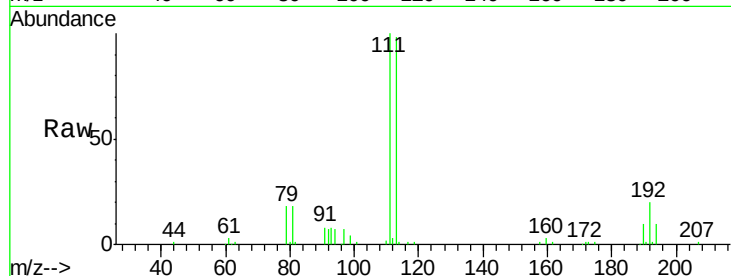




#35
 Dibromofluoromethane
 Concen: 49.066 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060701.D
 Acq: 25 Mar 2020 16:44

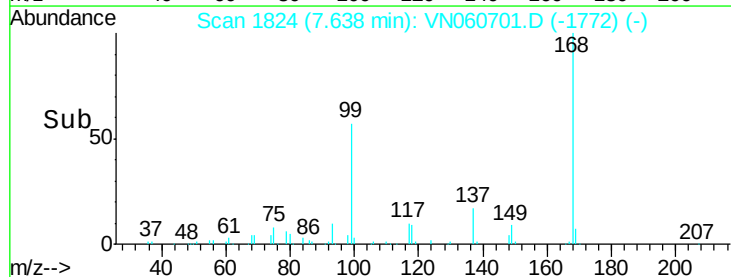
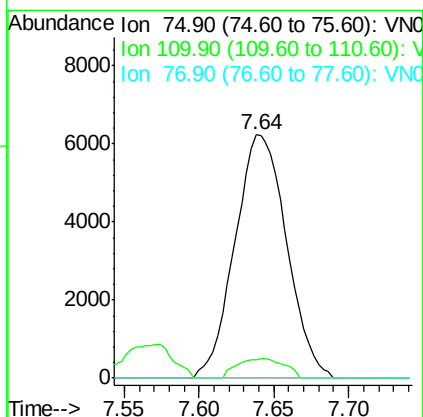
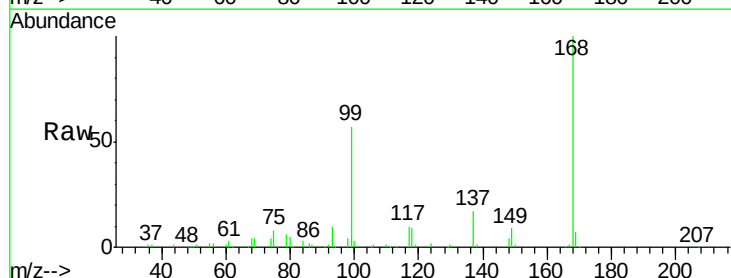
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D1-20200315

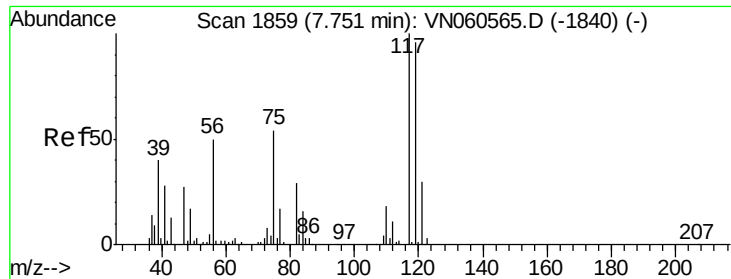
Tgt Ion:113 Resp: 95599
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.9 124.3
 192 20.3 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.796 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060701.D
 Acq: 25 Mar 2020 16:44

Tgt Ion: 75 Resp: 14964
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.9 50.6#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.355 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060701.D

Acq: 25 Mar 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20200315

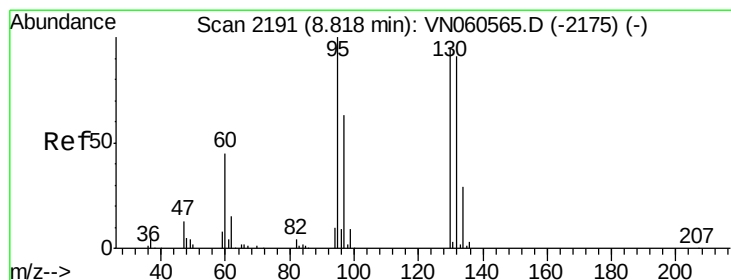
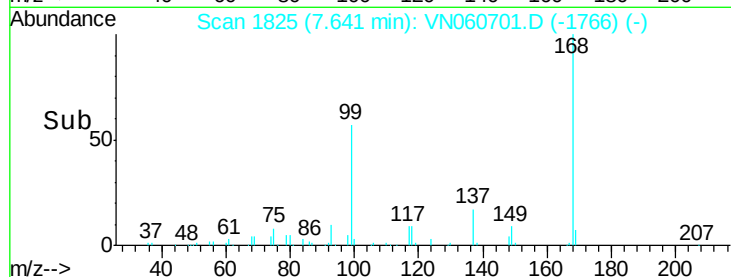
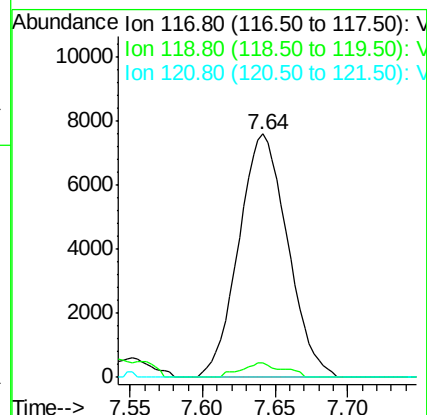
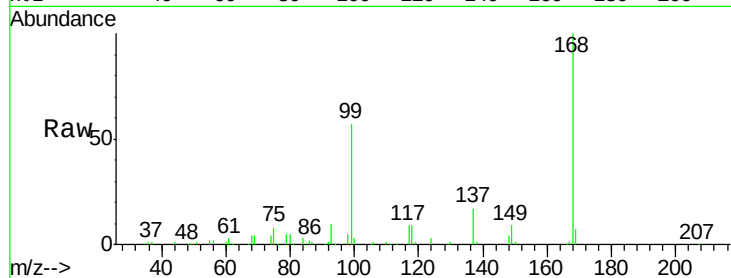
Tgt Ion:117 Resp: 17772

Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

121 0.0 23.7 35.5#



#44

Trichloroethene

Concen: 6.356 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060701.D

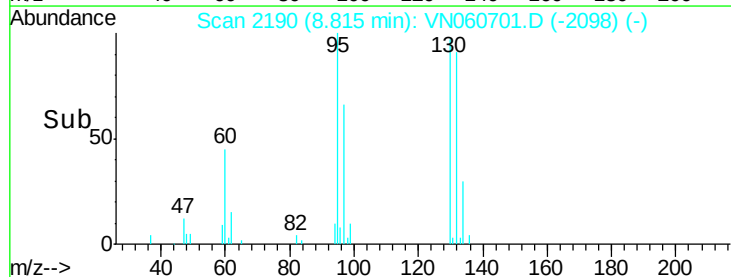
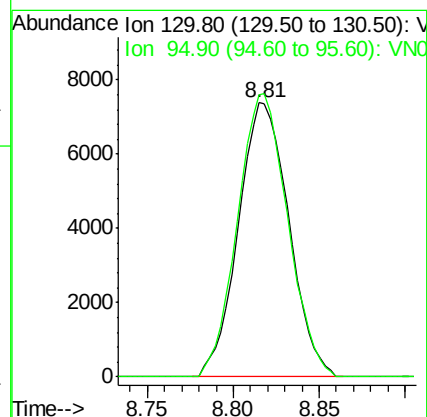
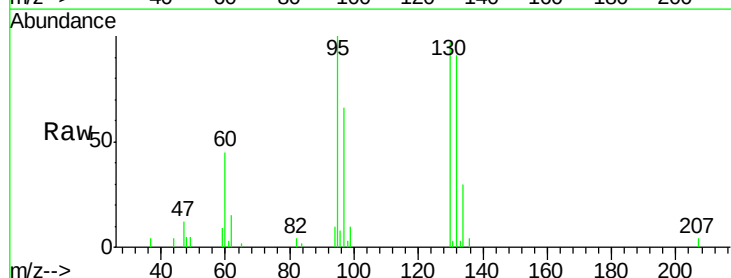
Acq: 25 Mar 2020 16:44

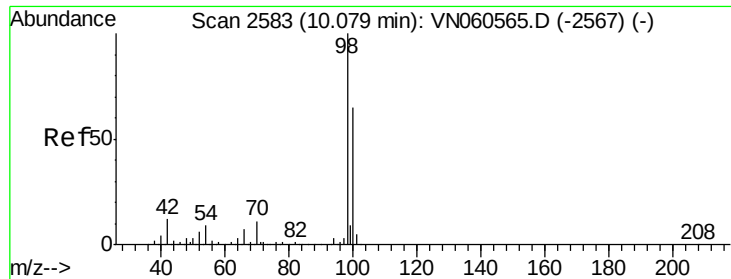
Tgt Ion:130 Resp: 15092

Ion Ratio Lower Upper

130 100

95 103.0 0.0 211.2





#50

Toluene-d8

Concen: 49.797 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060701.D

Acq: 25 Mar 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

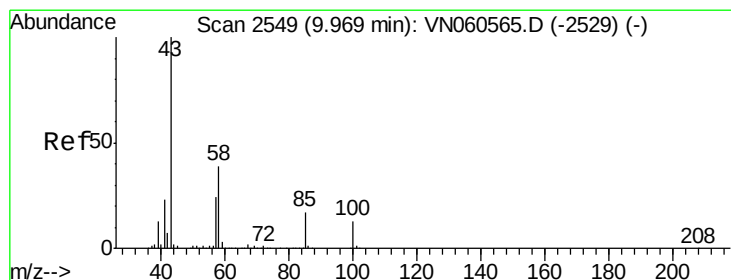
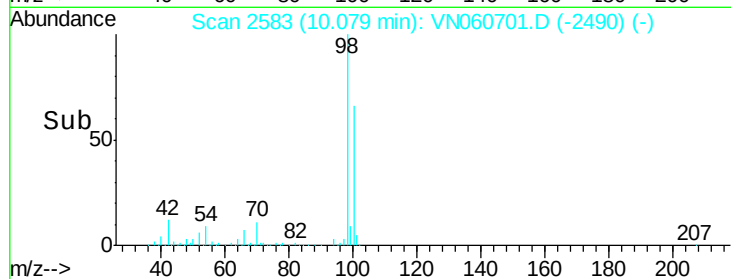
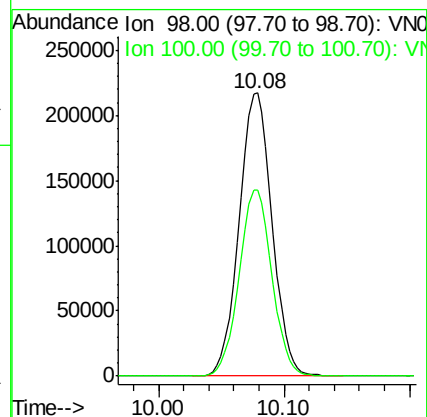
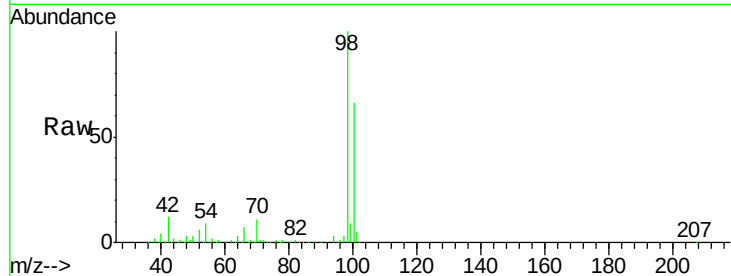
MW203D1-20200315

Tgt Ion: 98 Resp: 396299

Ion Ratio Lower Upper

98 100

100 65.5 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 0.744 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060701.D

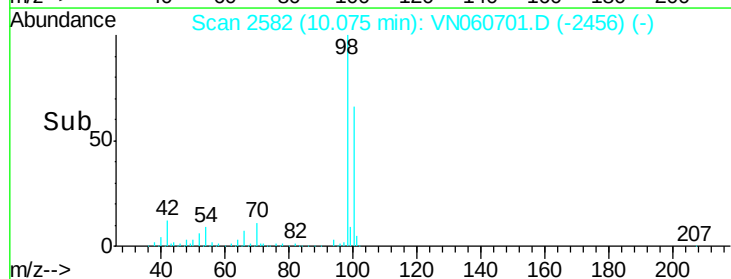
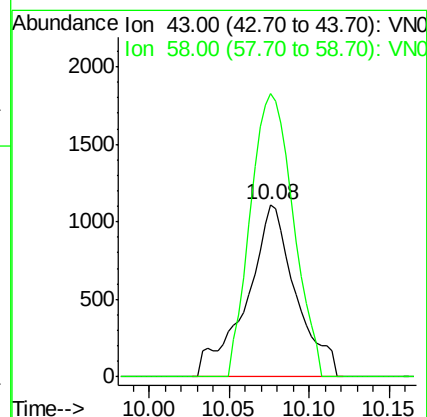
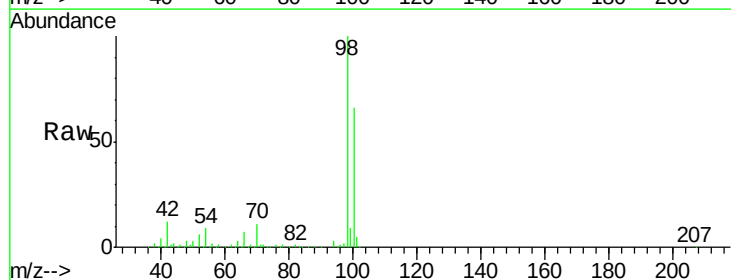
Acq: 25 Mar 2020 16:44

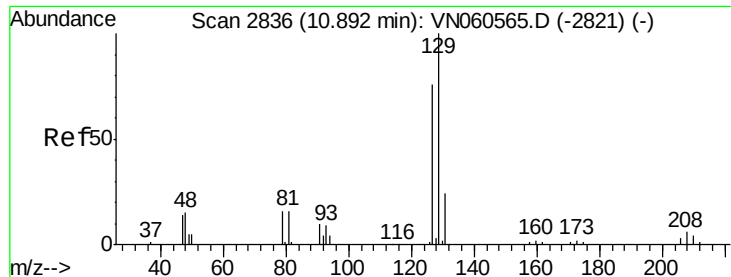
Tgt Ion: 43 Resp: 2354

Ion Ratio Lower Upper

43 100

58 142.1 30.8 46.2#

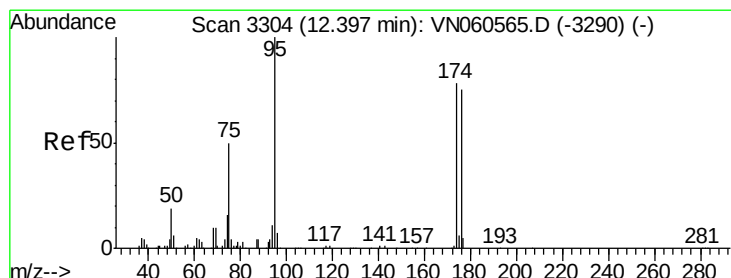
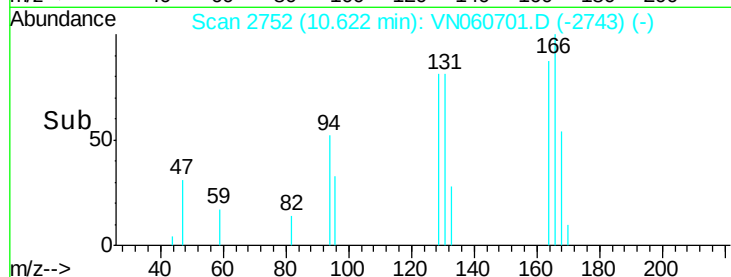
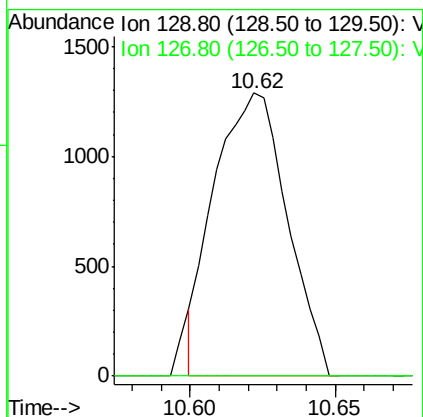
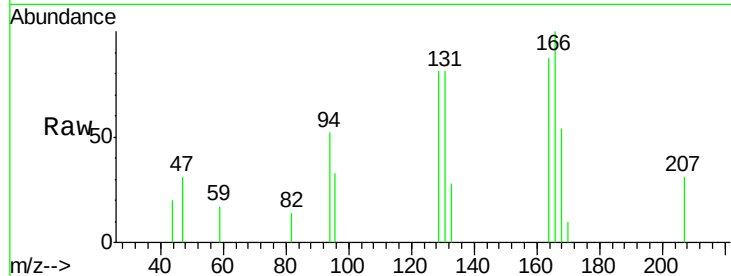




#60
 Dibromochloromethane
 Concen: 0.998 ug/l
 RT: 10.62 min Scan# 2752
 Delta R.T. -0.27 min
 Lab File: VN060701.D
 Acq: 25 Mar 2020 16:44

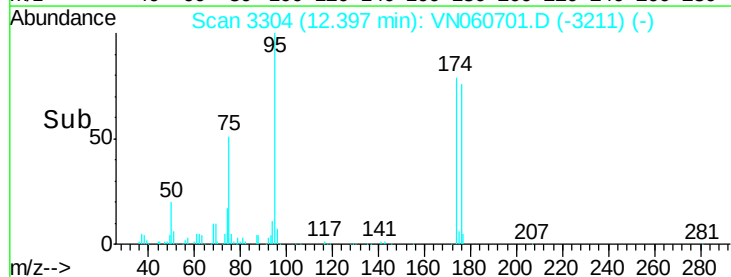
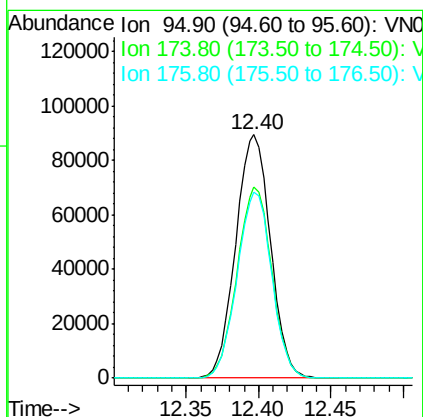
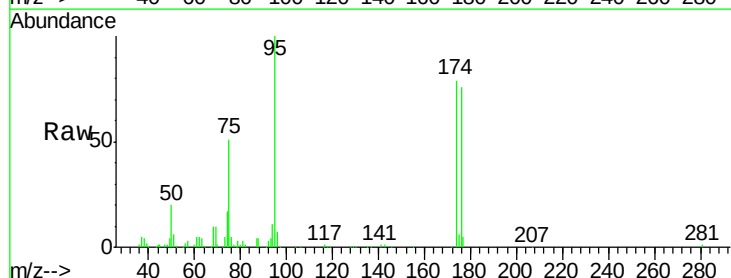
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D1-20200315

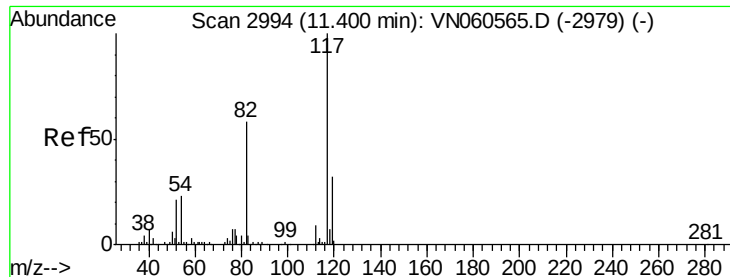
Tgt Ion: 129 Resp: 2255
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.5#



#62
 4-Bromofluorobenzene
 Concen: 51.125 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060701.D
 Acq: 25 Mar 2020 16:44

Tgt Ion: 95 Resp: 149112
 Ion Ratio Lower Upper
 95 100
 174 78.4 0.0 157.6
 176 76.1 0.0 150.6

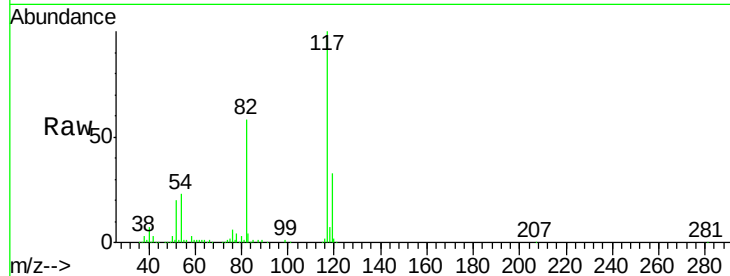




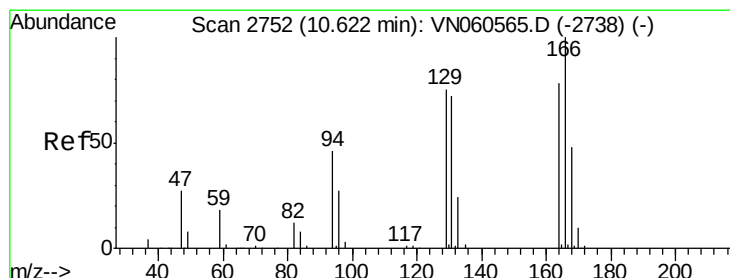
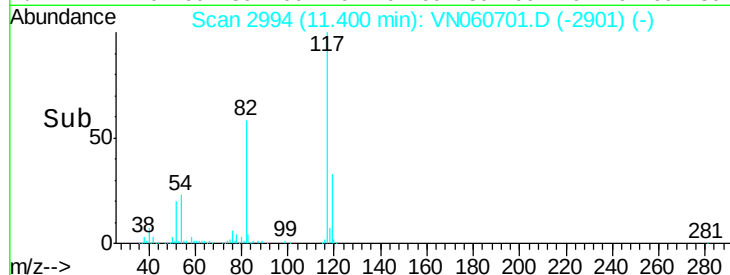
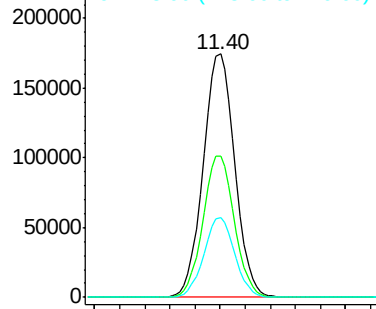
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060701.D
Acq: 25 Mar 2020 16:44

Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20200315

Tgt Ion:117 Resp: 304781
Ion Ratio Lower Upper
117 100
82 57.8 46.7 70.1
119 32.5 25.5 38.3

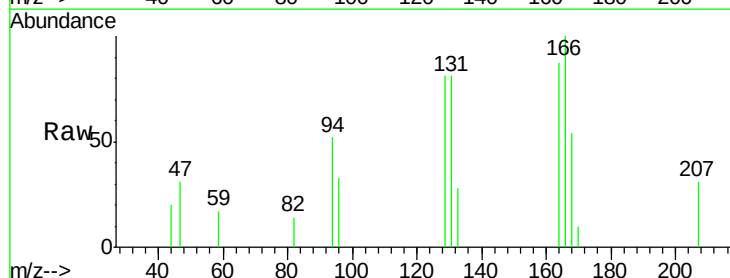


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

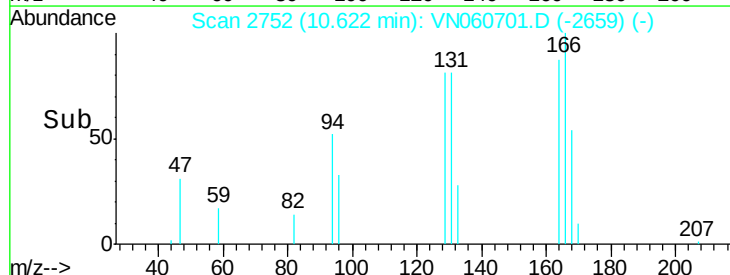
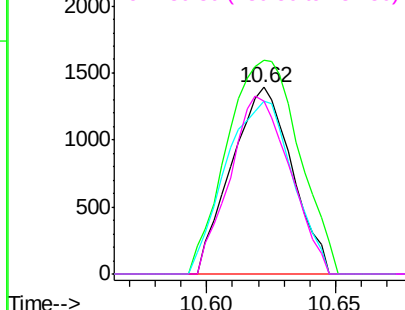


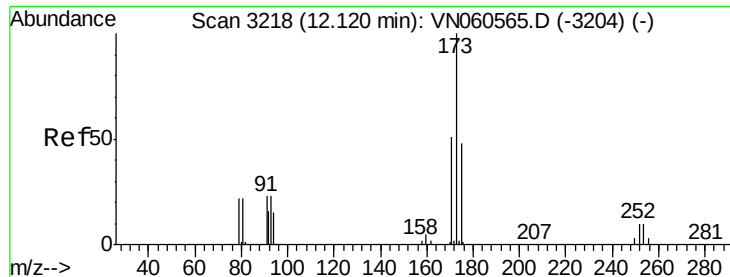
#64
Tetrachloroethene
Concen: 0.953 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060701.D
Acq: 25 Mar 2020 16:44

Tgt Ion:164 Resp: 2286
Ion Ratio Lower Upper
164 100
166 114.5 102.7 154.1
129 92.5 77.2 115.8
131 92.6 73.8 110.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

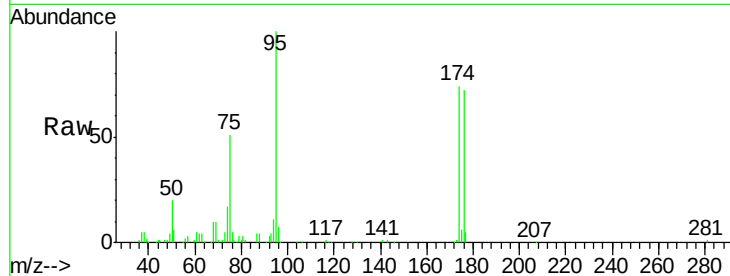




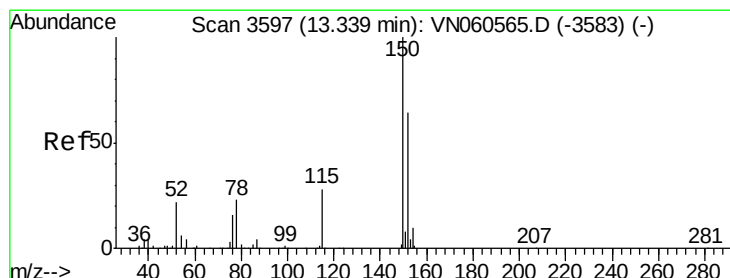
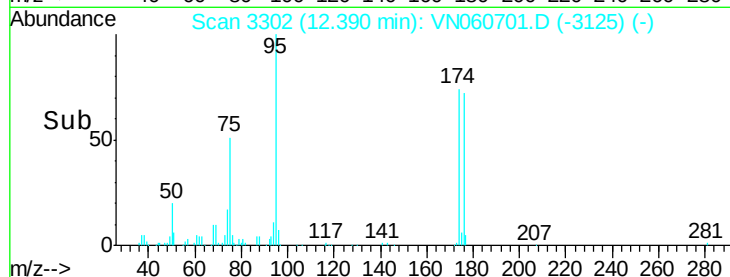
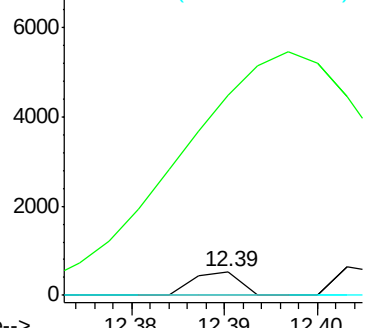
#71
Bromoform
Concen: 1.779 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.27 min
Lab File: VN060701.D
Acq: 25 Mar 2020 16:44

Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20200315

Tgt Ion:173 Resp: 185
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0

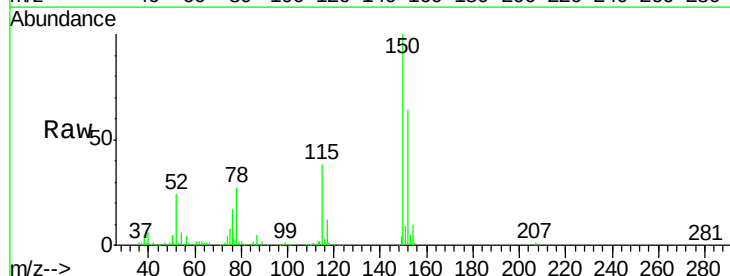


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

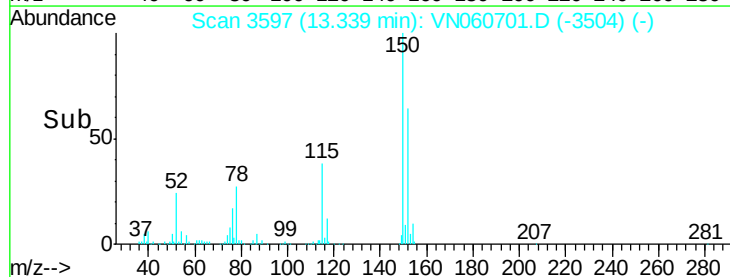
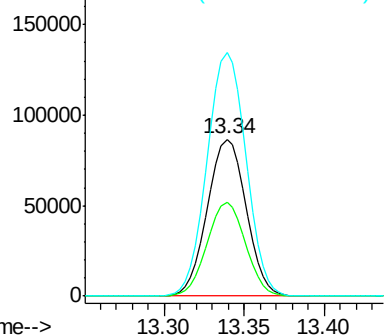


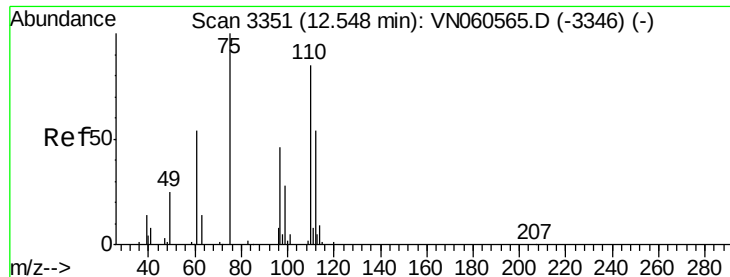
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060701.D
Acq: 25 Mar 2020 16:44

Tgt Ion:152 Resp: 143235
Ion Ratio Lower Upper
152 100
115 59.2 30.2 90.6
150 156.1 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: 24.578 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060701.D

Acq: 25 Mar 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

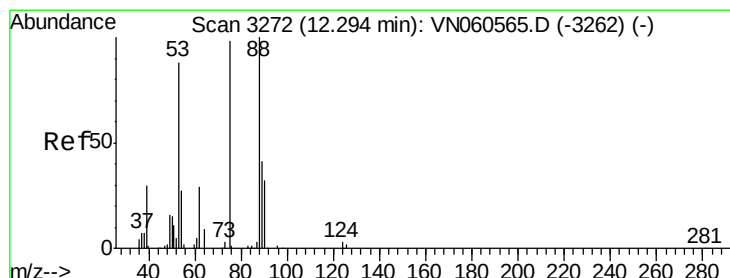
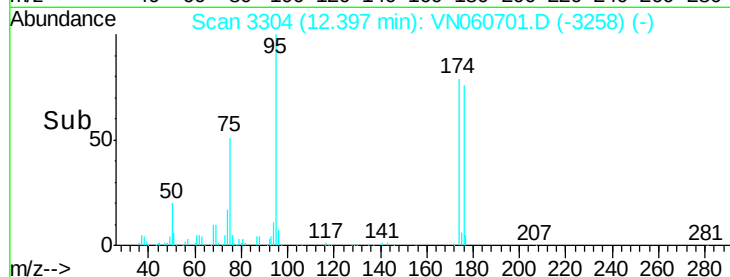
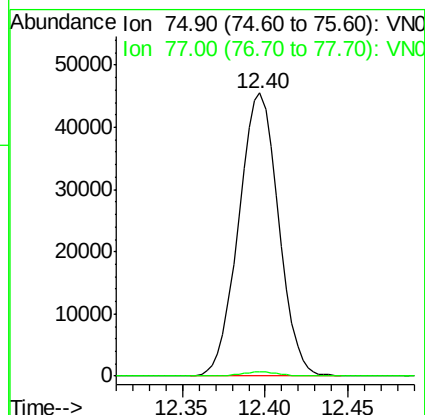
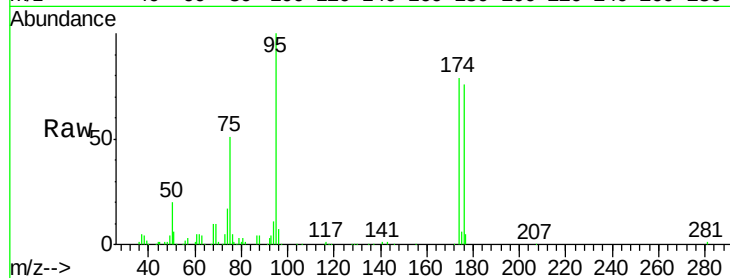
MW203D1-20200315

Tgt Ion: 75 Resp: 75964

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.124 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060701.D

Acq: 25 Mar 2020 16:44

Tgt Ion: 75 Resp: 75964

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

