

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032620\
 Data File : VN060715.D
 Acq On : 26 Mar 2020 15:26
 Operator : JC/MD
 Sample : L1997-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D2-20200315

Quant Time: Mar 27 05:32:57 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	195580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	330594	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	308948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142709	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	130014	48.42	ug/l	0.00
Spiked Amount						
			Recovery	=	96.84%	
35) Dibromofluoromethane	7.57	113	98718	49.38	ug/l	0.00
Spiked Amount						
			Recovery	=	98.76%	
50) Toluene-d8	10.08	98	405366	49.65	ug/l	0.00
Spiked Amount						
			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.40	95	152294	50.89	ug/l	0.00
Spiked Amount						
			Recovery	=	101.78%	

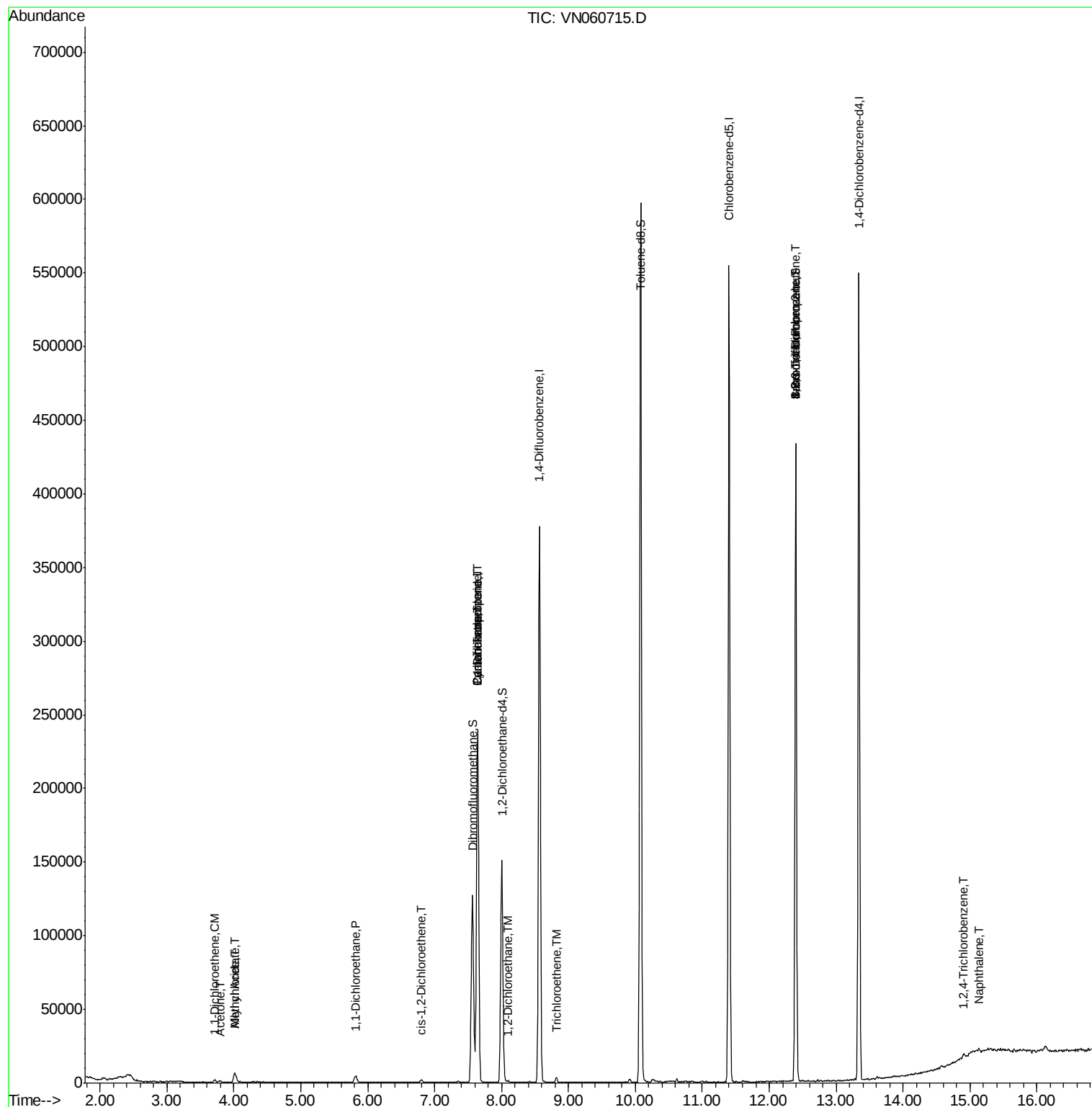
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.72	96	998	0.471	ug/l #	76
14) Allyl chloride	4.01	41	974	0.262	ug/l #	72
16) Acetone	3.79	43	2197	2.310	ug/l	98
18) Methyl Acetate	4.01	43	2040	0.762	ug/l #	54
24) 1,1-Dichloroethane	5.82	63	8257	1.925	ug/l #	94
27) cis-1,2-Dichloroethene	6.79	96	1340	0.522	ug/l	84
31) Cyclohexane	7.64	56	4113	0.951	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15690	4.901	ug/l #	51
38) Carbon Tetrachloride	7.64	117	18527	6.458	ug/l #	17
42) 1,2-Dichloroethane	8.10	62	888	0.269	ug/l #	75
44) Trichloroethene	8.82	130	1409	0.578	ug/l	98
71) Bromoform	12.40	173	137	1.752	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	76530	24.853	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	76530	63.829	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	745	0.279	ug/l #	88
95) Naphthalene	15.13	128	2274	0.283	ug/l #	80

(#) = 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: VN060715.D

Acq: 26 Mar 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

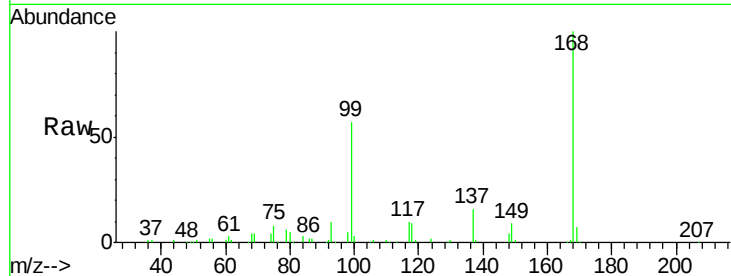
MW203D2-20200315

Tgt Ion:168 Resp: 195580

Ion Ratio Lower Upper

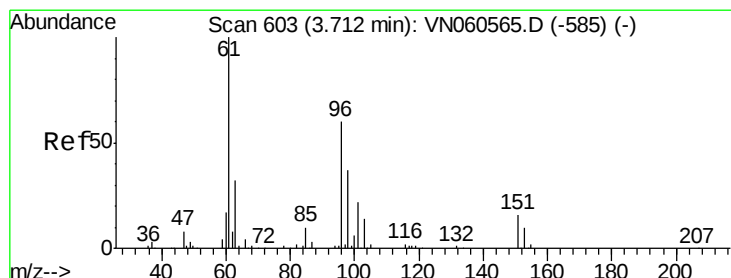
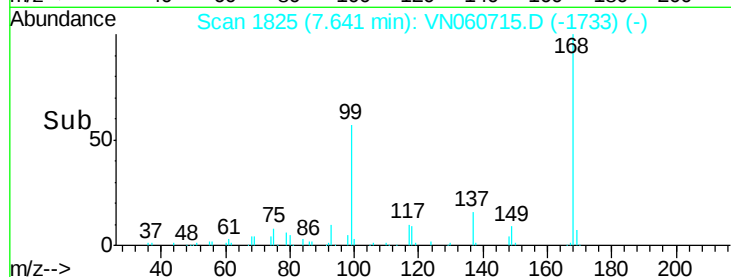
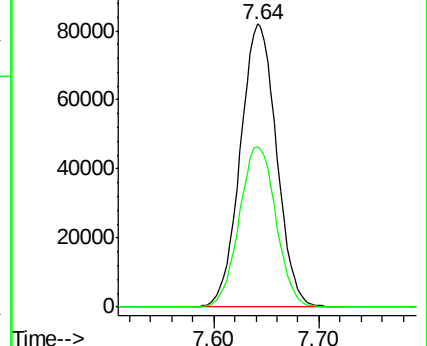
168 100

99 56.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#12

1,1-Dichloroethene

Concen: 0.471 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.01 min

Lab File: VN060715.D

Acq: 26 Mar 2020 15:26

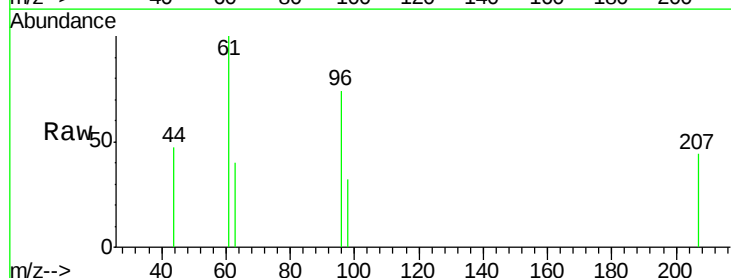
Tgt Ion: 96 Resp: 998

Ion Ratio Lower Upper

96 100

61 135.0 134.1 201.1

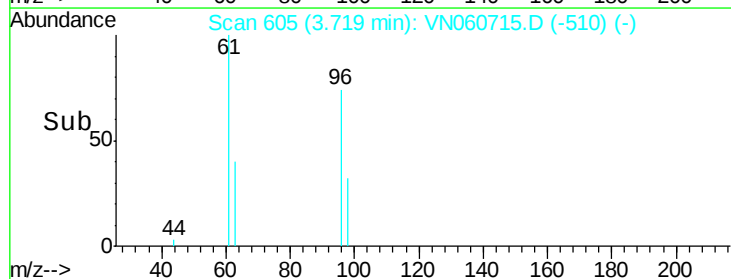
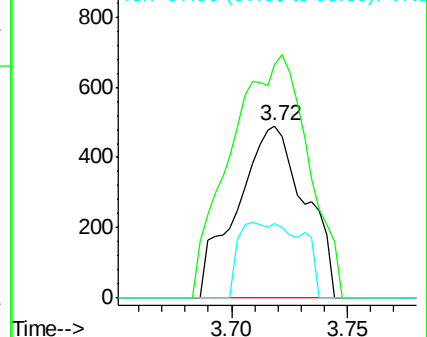
98 43.0 49.9 74.9#

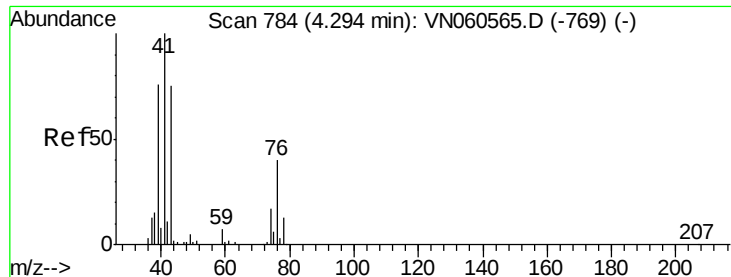


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#14

Allyl chloride

Concen: 0.262 ug/l

RT: 4.01 min Scan# 697

Delta R.T. -0.28 min

Lab File: VN060715.D

Acq: 26 Mar 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW203D2-20200315

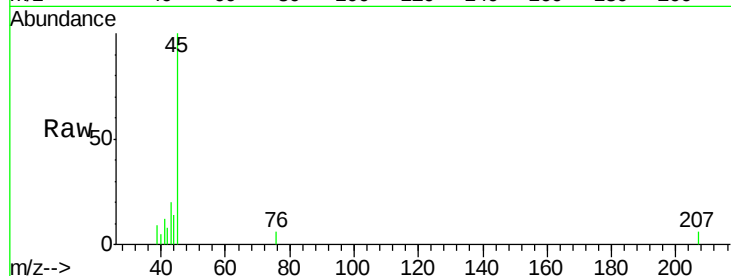
Tgt Ion: 41 Resp: 974

Ion Ratio Lower Upper

41 100

39 62.4 57.8 86.8

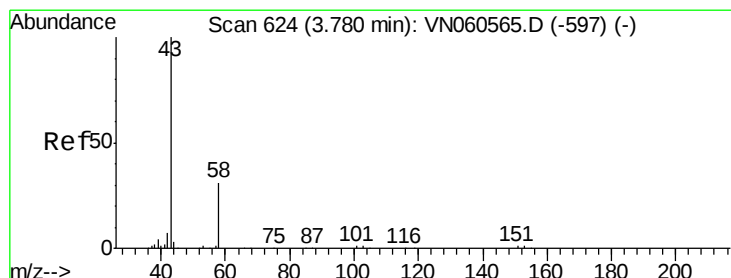
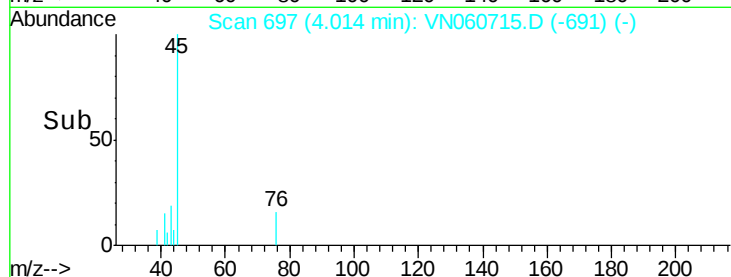
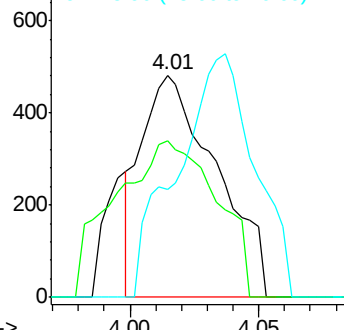
76 0.0 28.6 43.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 2.310 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060715.D

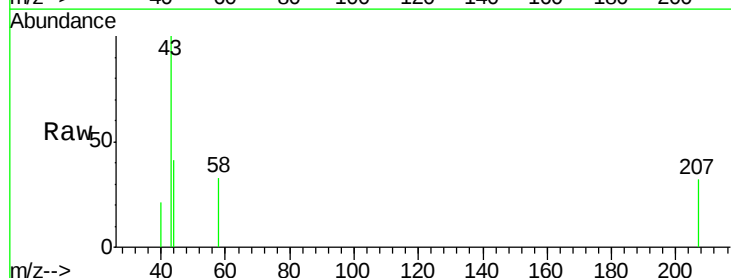
Acq: 26 Mar 2020 15:26

Tgt Ion: 43 Resp: 2197

Ion Ratio Lower Upper

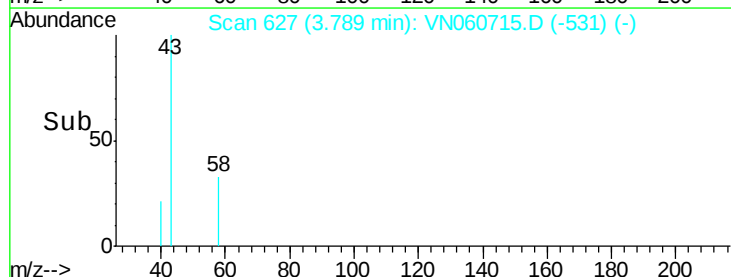
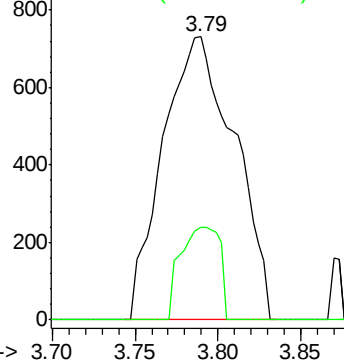
43 100

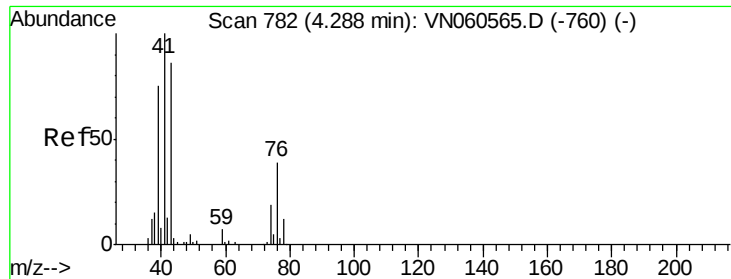
58 32.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

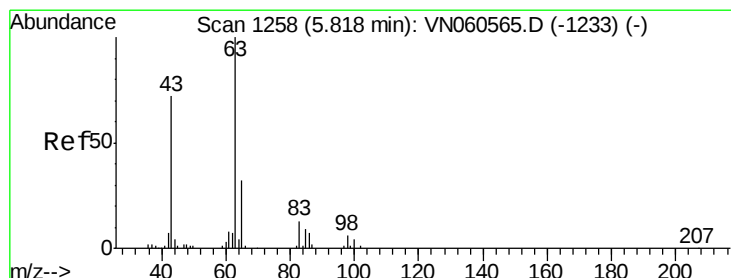
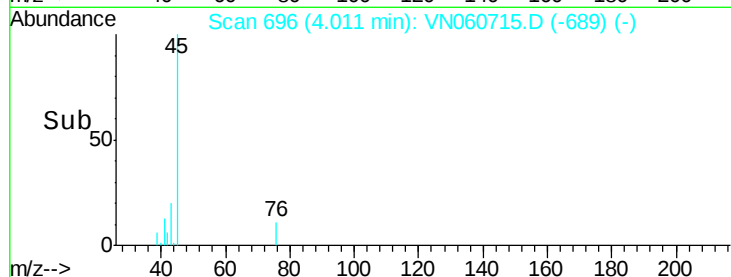
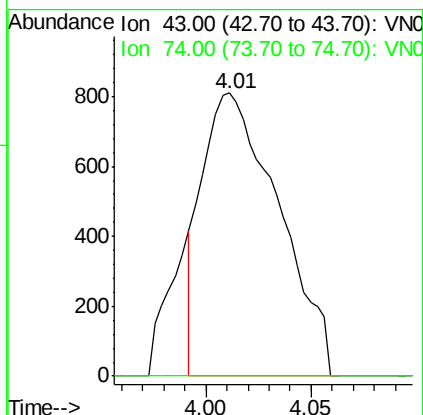
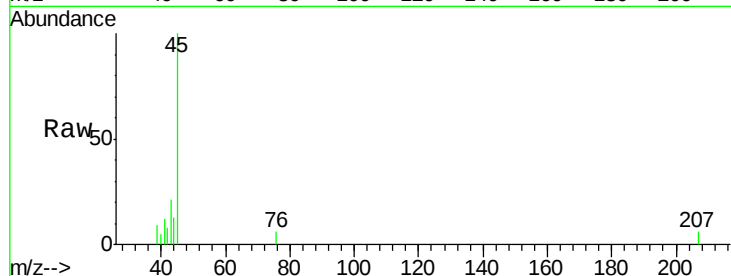




#18
Methyl Acetate
Concen: 0.762 ug/l
RT: 4.01 min Scan# 696
Delta R.T. -0.28 min
Lab File: VN060715.D
Acq: 26 Mar 2020 15:26

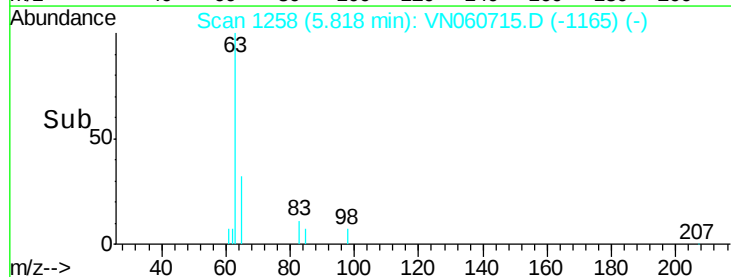
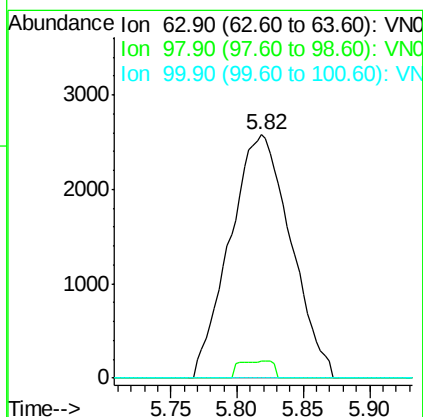
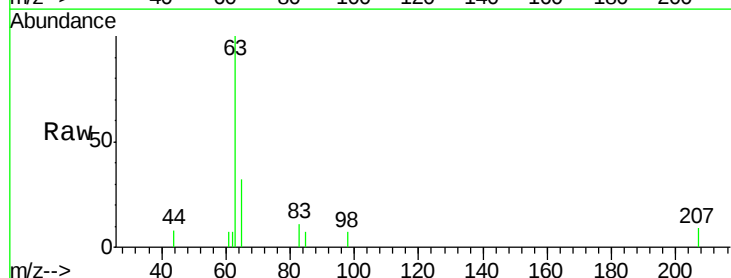
Instrument :
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MW203D2-20200315

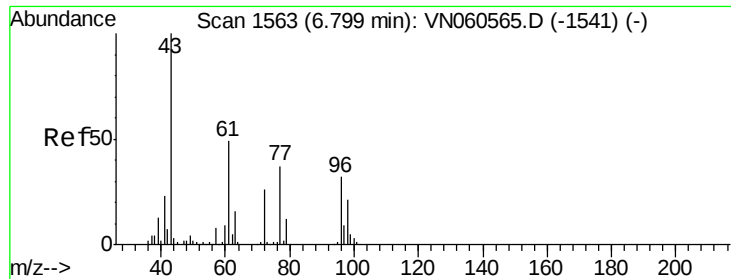
Tgt Ion: 43 Resp: 2040
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#24
1,1-Dichloroethane
Concen: 1.925 ug/l
RT: 5.82 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VN060715.D
Acq: 26 Mar 2020 15:26

Tgt Ion: 63 Resp: 8257
Ion Ratio Lower Upper
63 100
98 6.9 2.9 8.7
100 0.0 1.8 5.5#

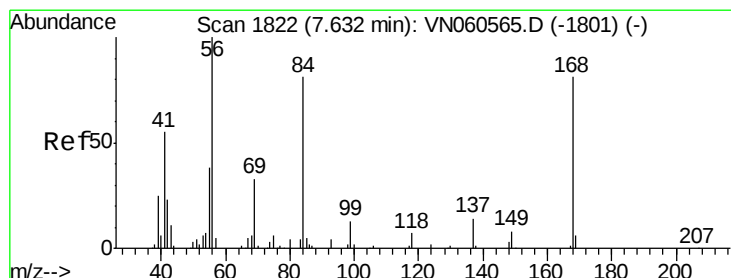
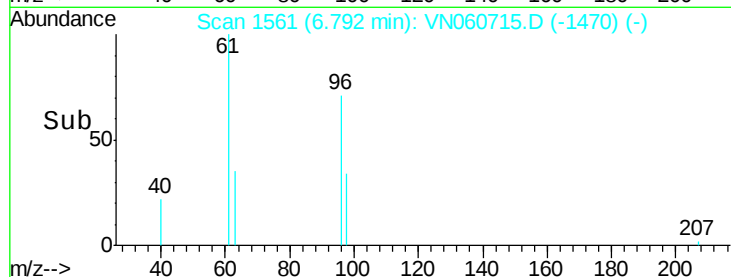
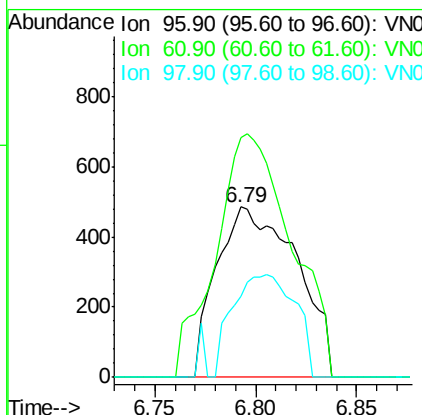
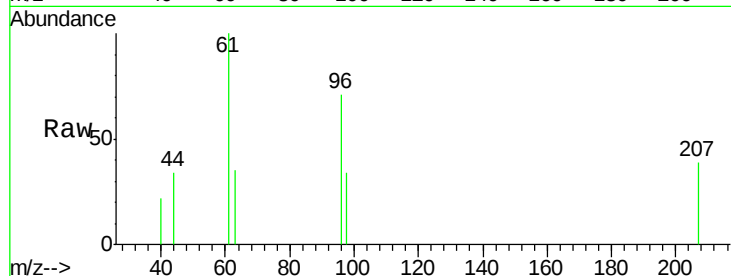




#27
 cis-1,2-Dichloroethene
 Concen: 0.522 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VN060715.D
 Acq: 26 Mar 2020 15:26

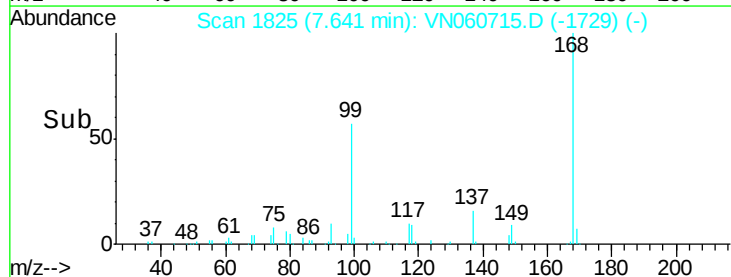
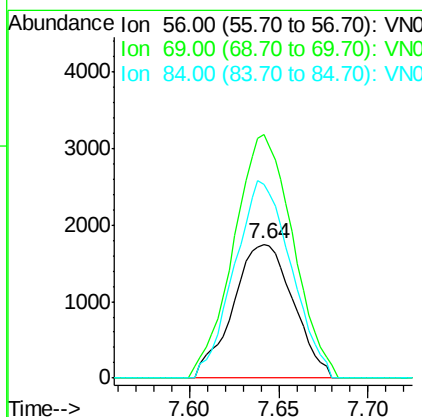
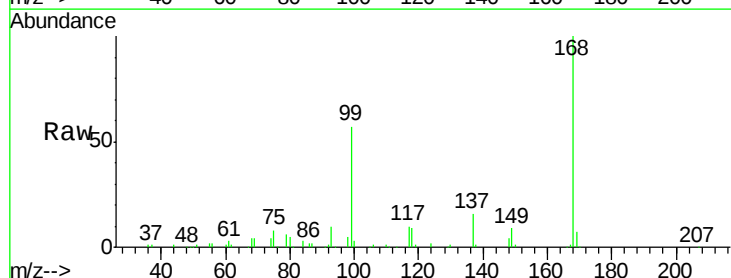
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D2-20200315

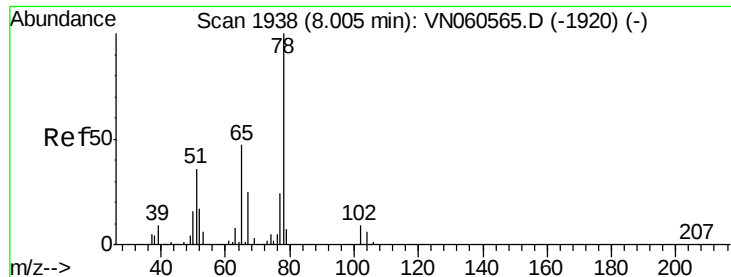
Tgt Ion: 96 Resp: 1340
 Ion Ratio Lower Upper
 96 100
 61 135.0 0.0 305.6
 98 47.3 0.0 127.6



#31
 Cyclohexane
 Concen: 0.951 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. 0.01 min
 Lab File: VN060715.D
 Acq: 26 Mar 2020 15:26

Tgt Ion: 56 Resp: 4113
 Ion Ratio Lower Upper
 56 100
 69 181.6 26.6 40.0#
 84 144.2 64.3 96.5#

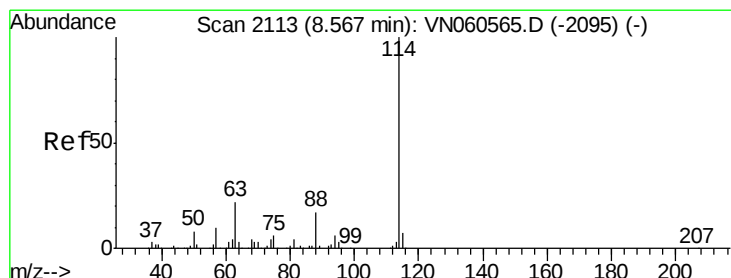
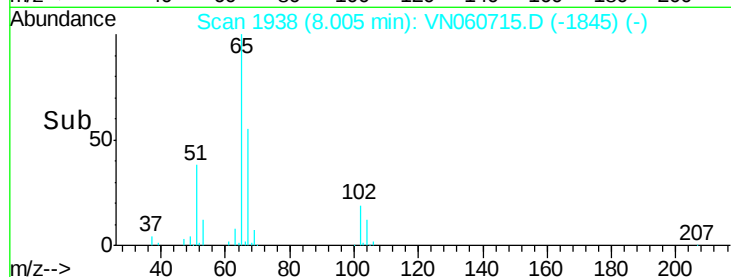
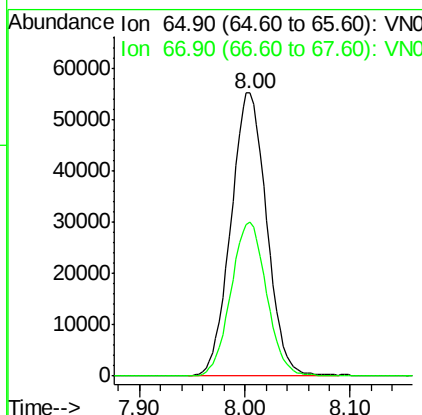
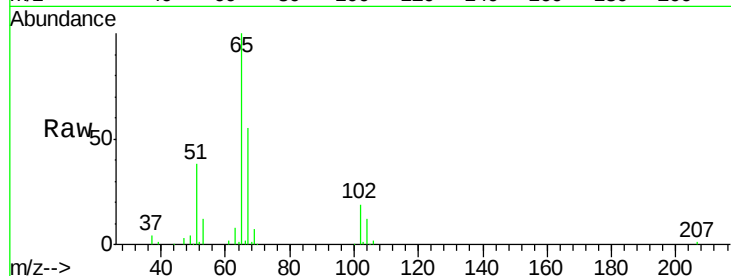




#33
 1,2-Dichloroethane-d4
 Concen: 48.425 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060715.D
 Acq: 26 Mar 2020 15:26

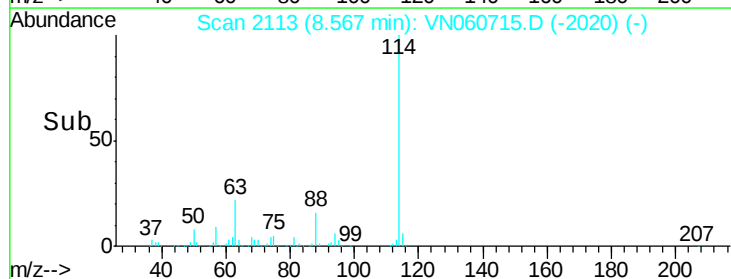
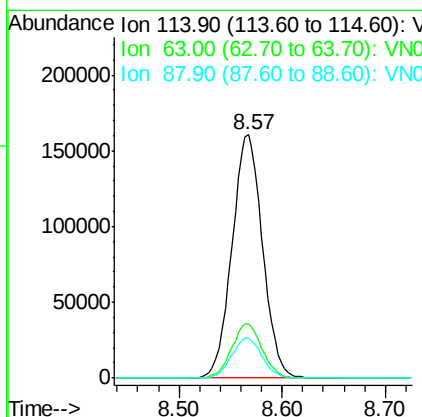
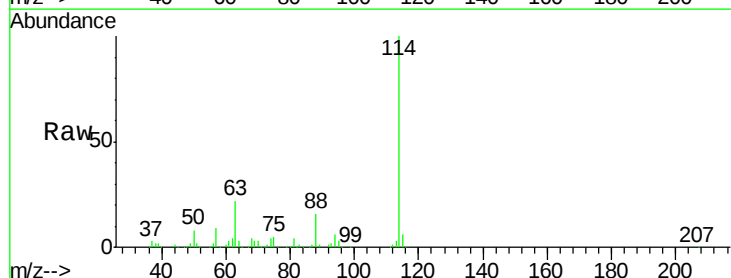
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 ClientSampleId :
 MW203D2-20200315

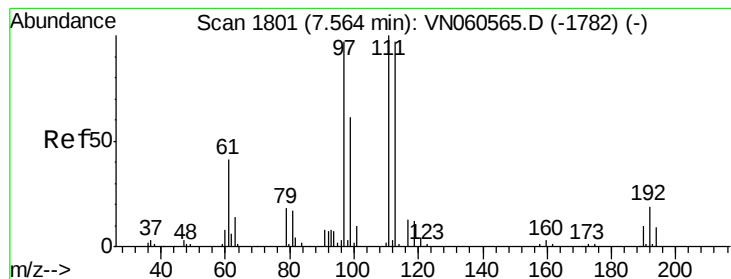
Tgt Ion: 65 Resp: 130014
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060715.D
 Acq: 26 Mar 2020 15:26

Tgt Ion: 114 Resp: 330594
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.8
 88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.384 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060715.D

Acq: 26 Mar 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW203D2-20200315

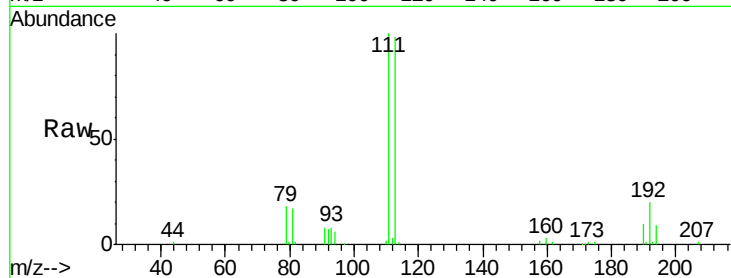
Tgt Ion:113 Resp: 98718

Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

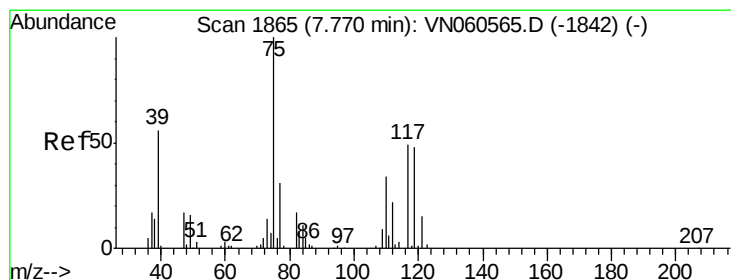
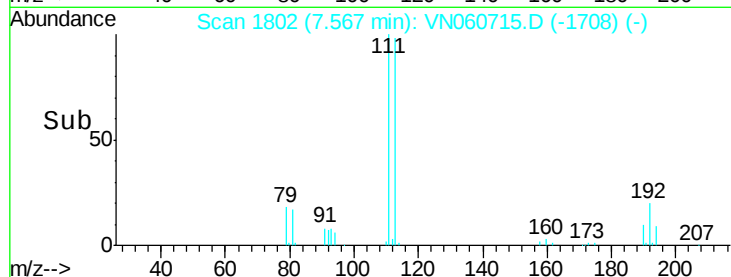
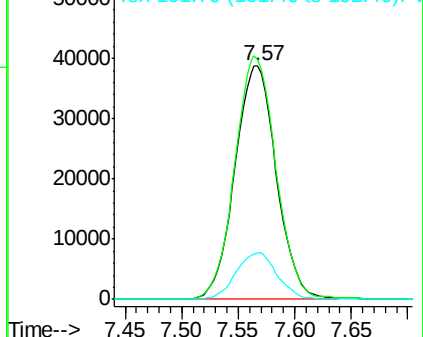
192 19.8 15.8 23.8



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



#36

1,1-Dichloropropene

Concen: 4.901 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN060715.D

Acq: 26 Mar 2020 15:26

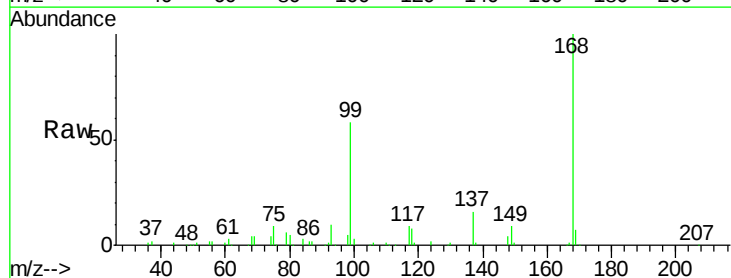
Tgt Ion: 75 Resp: 15690

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.6#

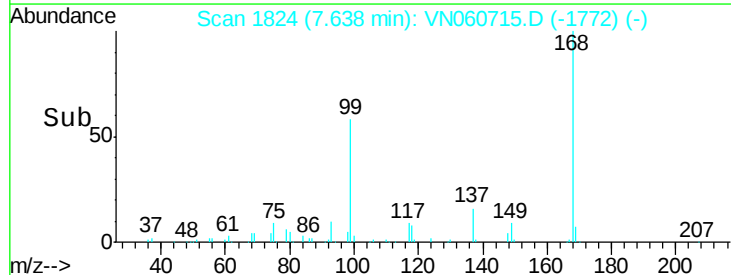
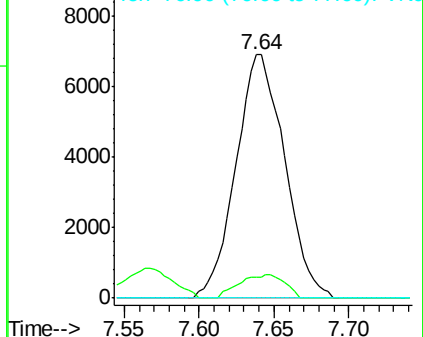
77 0.0 24.6 36.8#

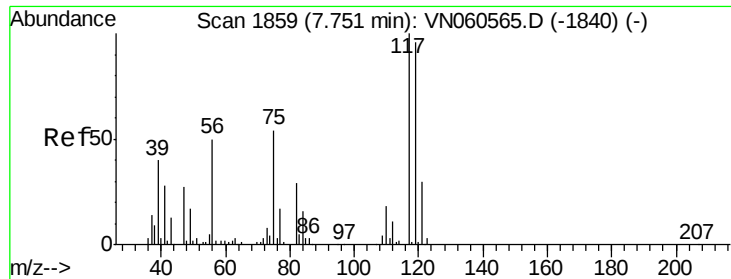


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.458 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060715.D

Acq: 26 Mar 2020 15:26

Instrument :

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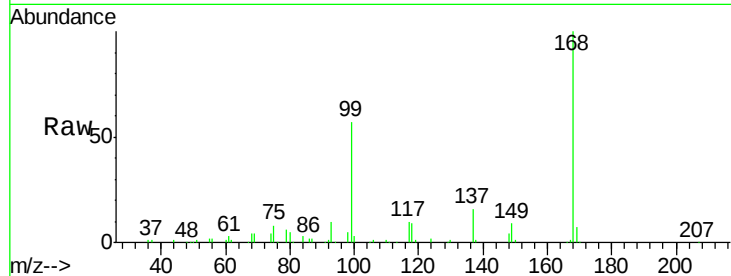
Tgt Ion: 117 Resp: 18527

Ion Ratio Lower Upper

117 100

119 5.5 76.2 114.2#

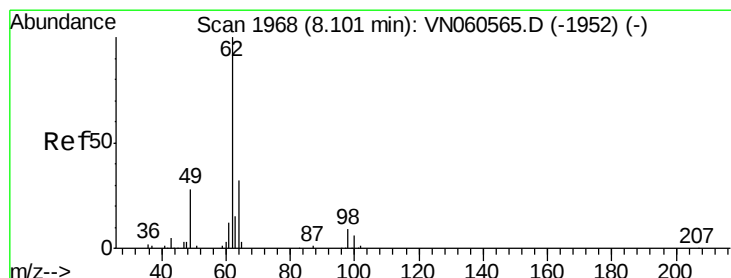
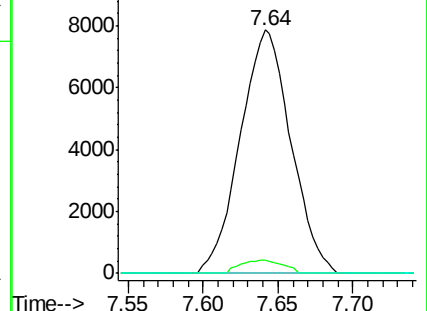
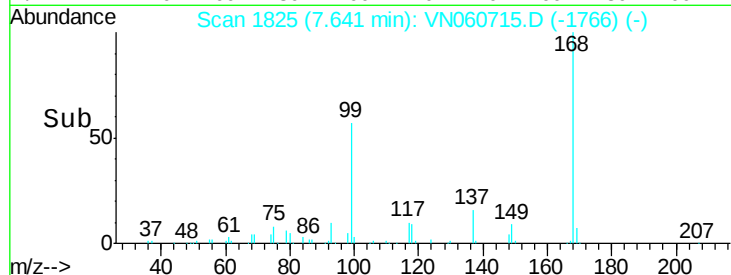
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#42

1,2-Dichloroethane

Concen: 0.269 ug/l

RT: 8.10 min Scan# 1967

Delta R.T. -0.00 min

Lab File: VN060715.D

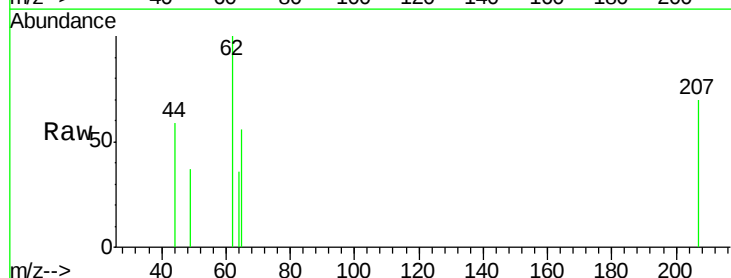
Acq: 26 Mar 2020 15:26

Tgt Ion: 62 Resp: 888

Ion Ratio Lower Upper

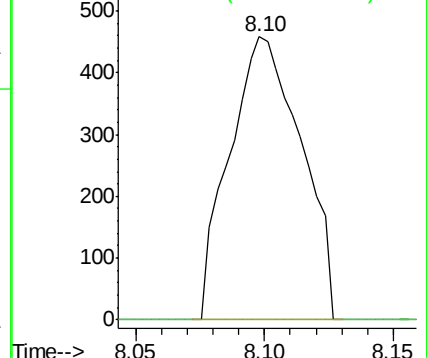
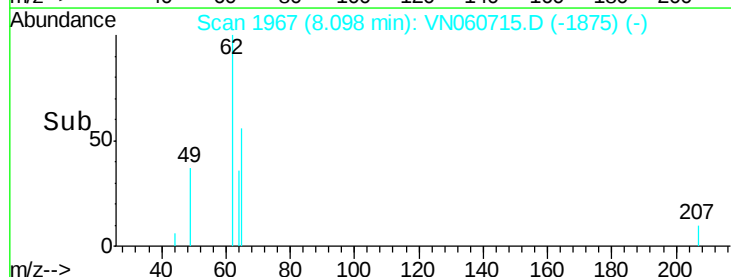
62 100

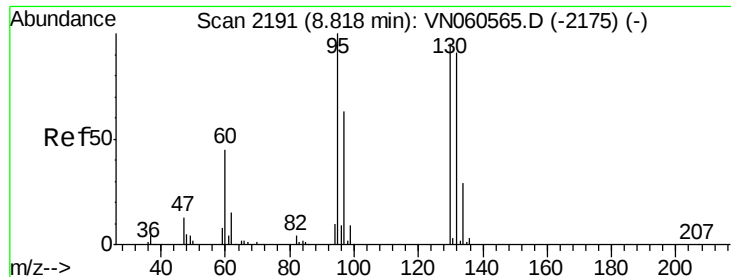
98 0.0 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): V

Ion 97.90 (97.60 to 98.60): V





#44

Trichloroethene

Concen: 0.578 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060715.D

Acq: 26 Mar 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

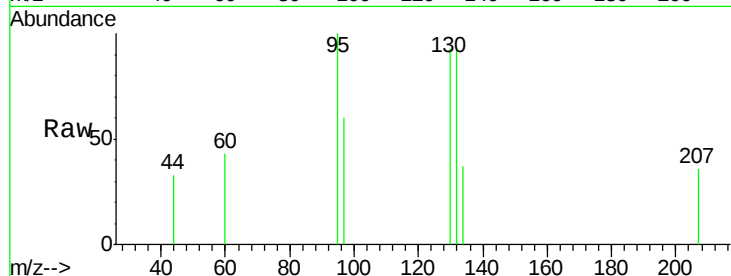
MW203D2-20200315

Tgt Ion:130 Resp: 1409

Ion Ratio Lower Upper

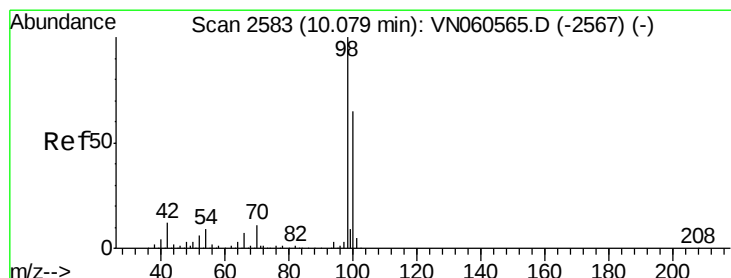
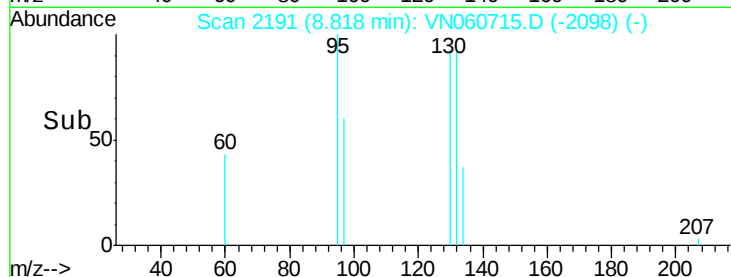
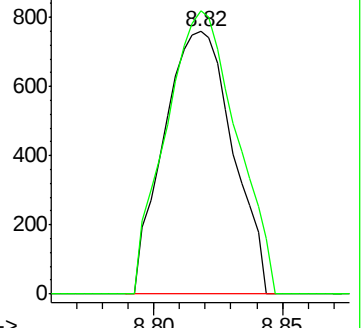
130 100

95 107.8 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#50

Toluene-d8

Concen: 49.646 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060715.D

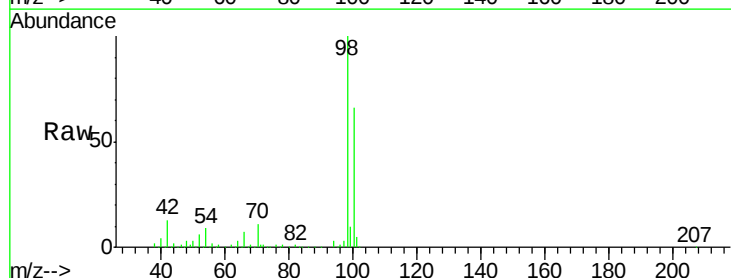
Acq: 26 Mar 2020 15:26

Tgt Ion: 98 Resp: 405366

Ion Ratio Lower Upper

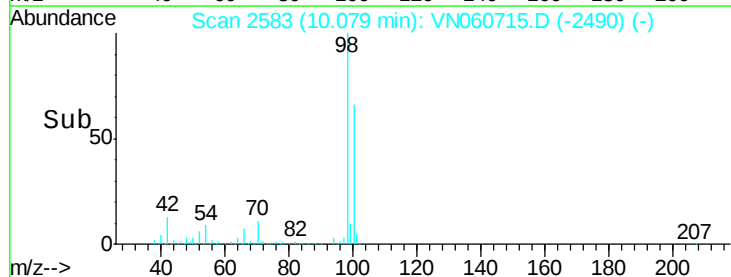
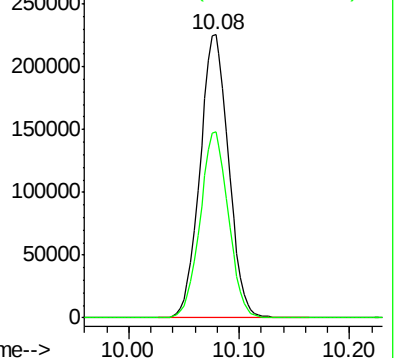
98 100

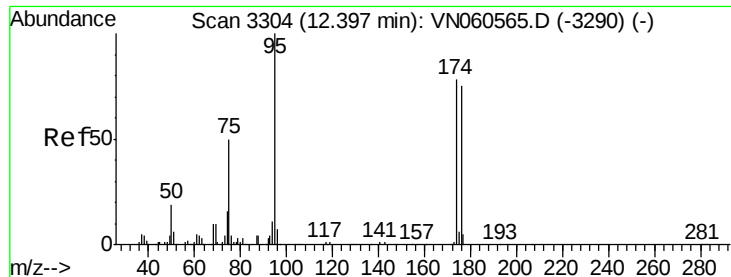
100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VNO

Ion 100.00 (99.70 to 100.70): VNO





#62

4-Bromofluorobenzene

Concen: 50.894 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060715.D

Acq: 26 Mar 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW203D2-20200315

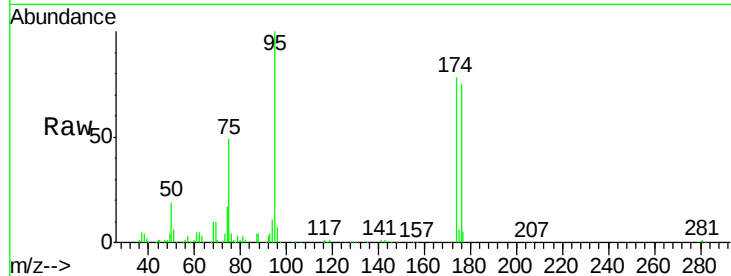
Tgt Ion: 95 Resp: 152294

Ion Ratio Lower Upper

95 100

174 78.8 0.0 157.6

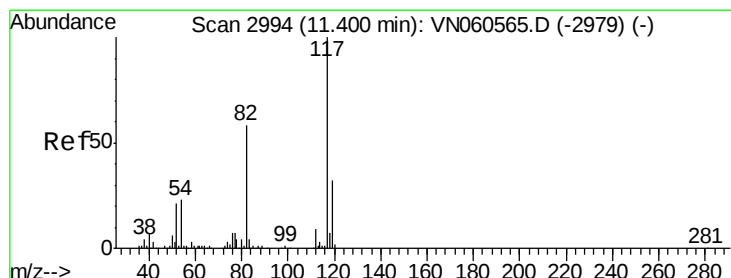
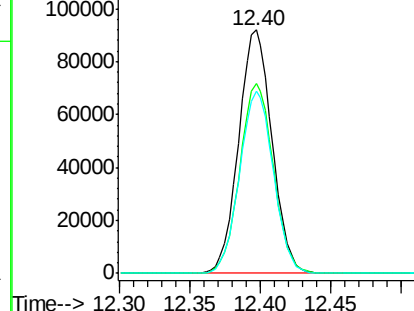
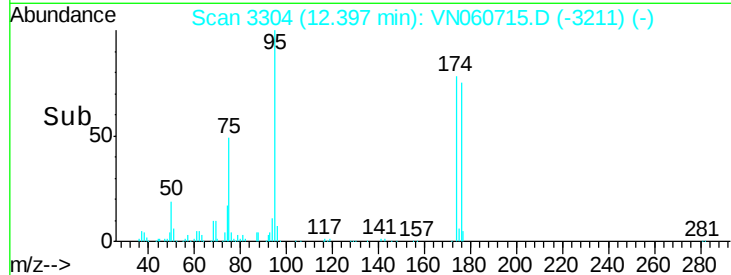
176 75.7 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060715.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060715.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060715.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060715.D

Acq: 26 Mar 2020 15:26

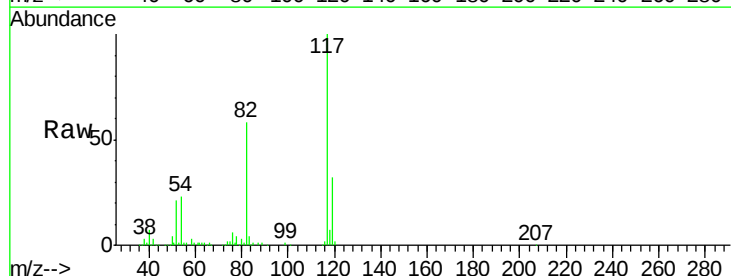
Tgt Ion: 117 Resp: 308948

Ion Ratio Lower Upper

117 100

82 57.7 46.7 70.1

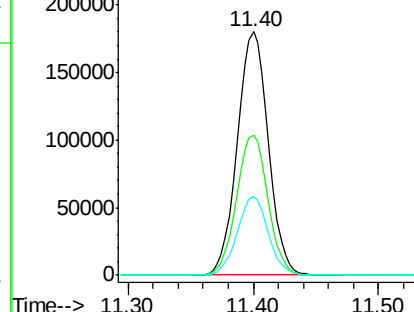
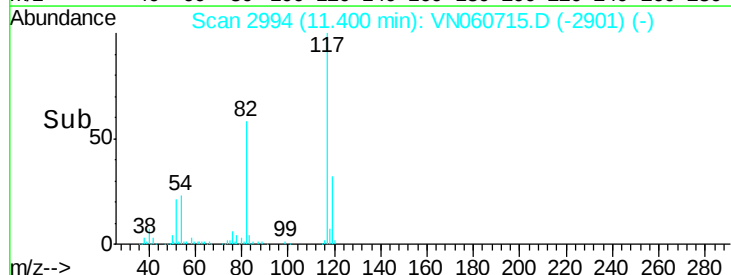
119 32.2 25.5 38.3

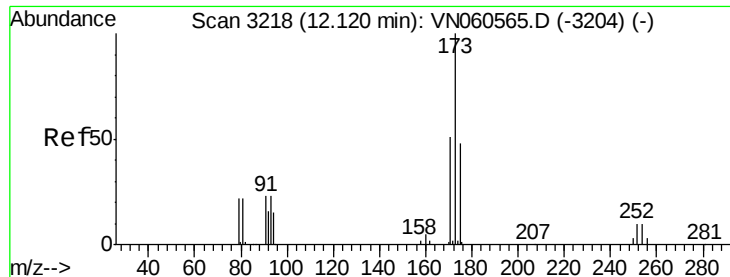


Abundance Ion 116.90 (116.60 to 117.60): VN060715.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060715.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060715.D (-2901) (-)





#71

Bromoform

Concen: 1.752 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN060715.D

Acq: 26 Mar 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW203D2-20200315

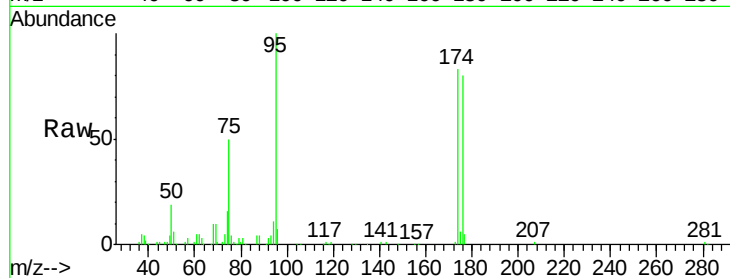
Tgt Ion:173 Resp: 137

Ion Ratio Lower Upper

173 100

175 5386.1 24.1 72.4#

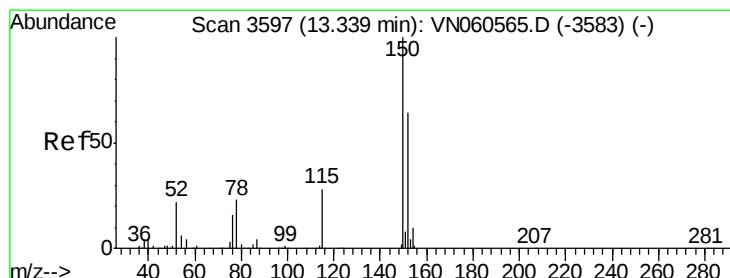
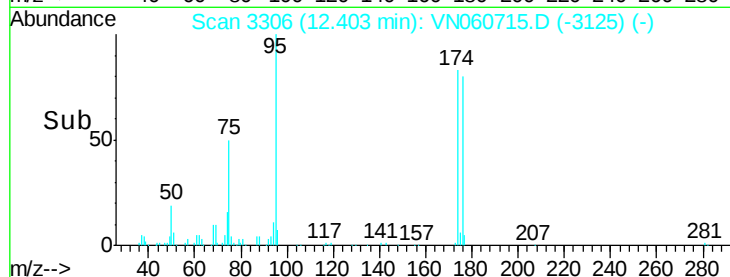
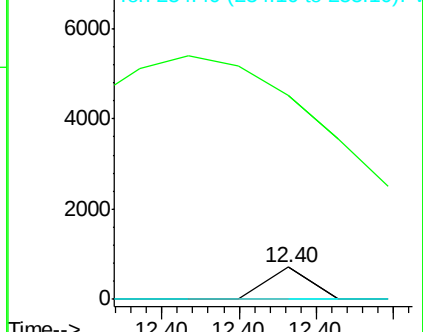
254 0.0 0.0 0.0



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: VN060715.D

Acq: 26 Mar 2020 15:26

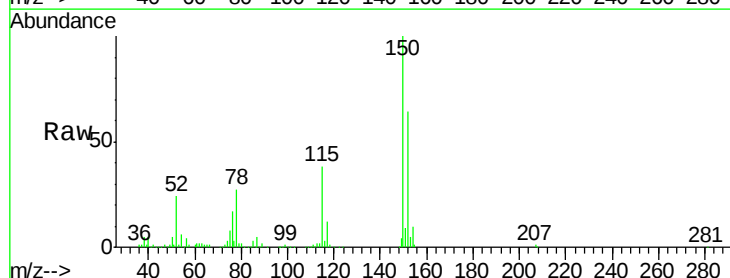
Tgt Ion:152 Resp: 142709

Ion Ratio Lower Upper

152 100

115 59.7 30.2 90.6

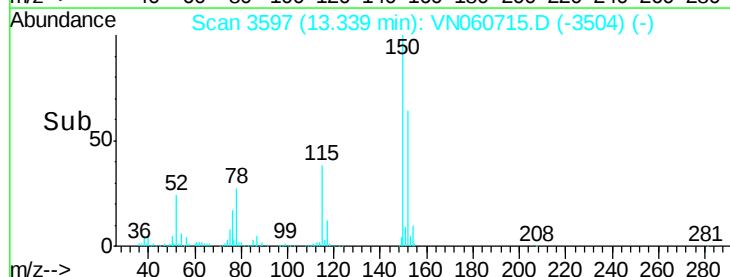
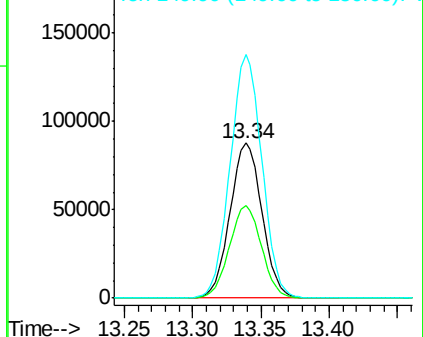
150 156.3 0.0 350.2

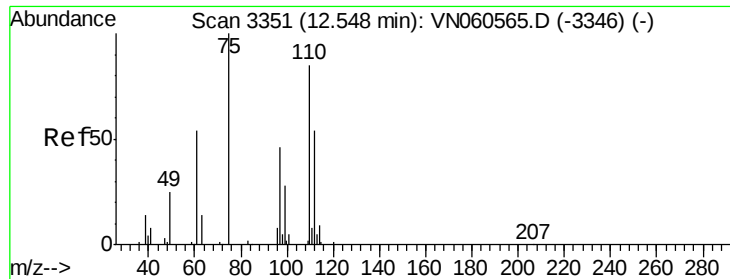


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.853 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060715.D

Acq: 26 Mar 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

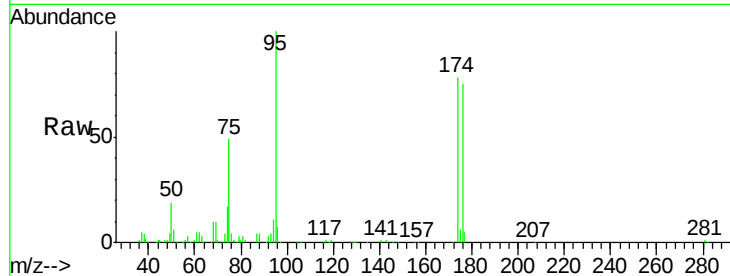
MW203D2-20200315

Tgt Ion: 75 Resp: 76530

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

50000

40000

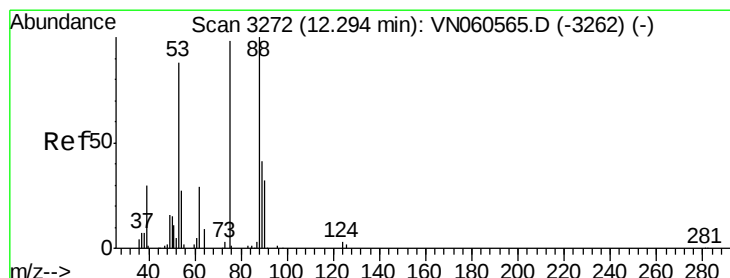
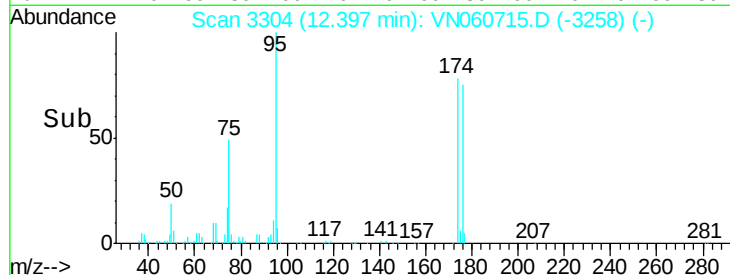
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.829 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060715.D

Acq: 26 Mar 2020 15:26

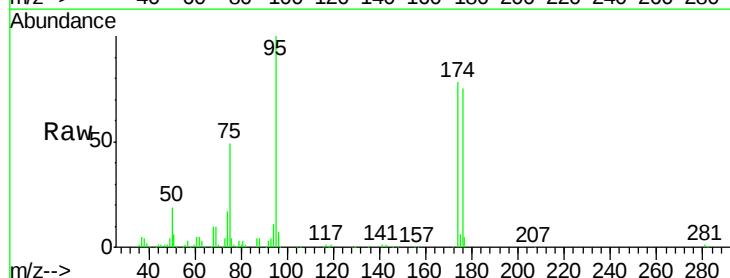
Tgt Ion: 75 Resp: 76530

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



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

12.40

60000

50000

40000

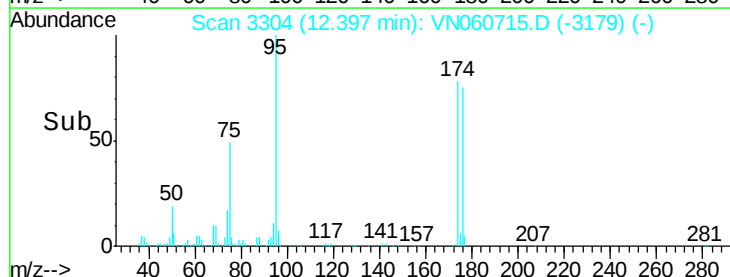
30000

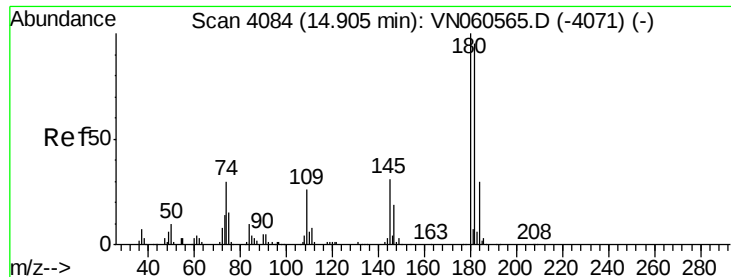
20000

10000

0

Time-->

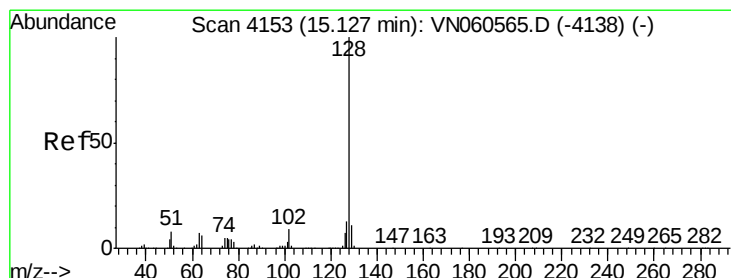
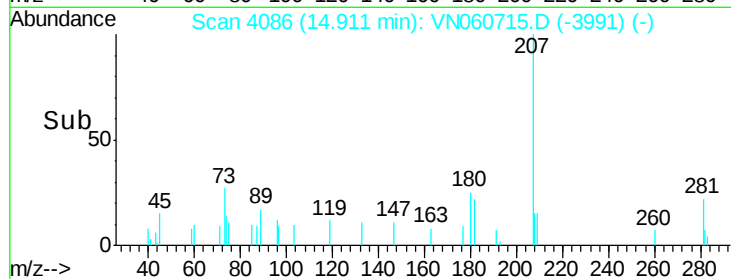
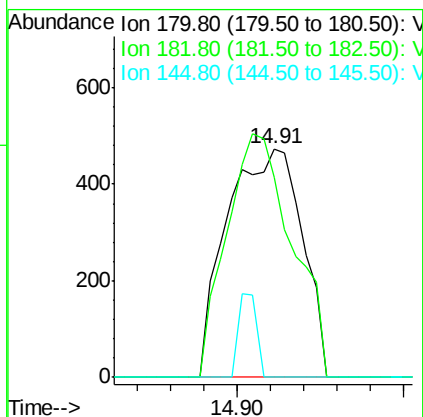
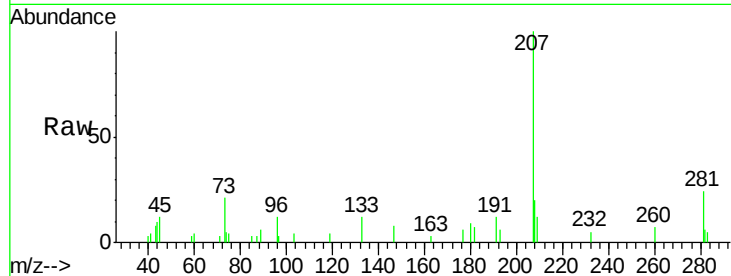




#93
 1,2,4-Trichlorobenzene
 Concen: 0.279 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN060715.D
 Acq: 26 Mar 2020 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D2-20200315

Tgt Ion:180 Resp: 745
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.9 143.8
 145 8.9 15.4 46.2#



#95
 Naphthalene
 Concen: 0.283 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN060715.D
 Acq: 26 Mar 2020 15:26

Tgt Ion:128 Resp: 2274
 Ion Ratio Lower Upper
 128 100
 127 2.9 10.2 15.2#
 129 5.7 8.8 13.2#

