

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061977.D
 Acq On : 20 Jun 2020 5:15
 Operator : JC/MD
 Sample : L3043-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D1-20200614

Quant Time: Jun 22 00:42:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	138959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	261052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	247999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89335	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	96721	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
35) Dibromofluoromethane	7.55	113	84413	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	10.06	98	327831	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.38	95	104390	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	

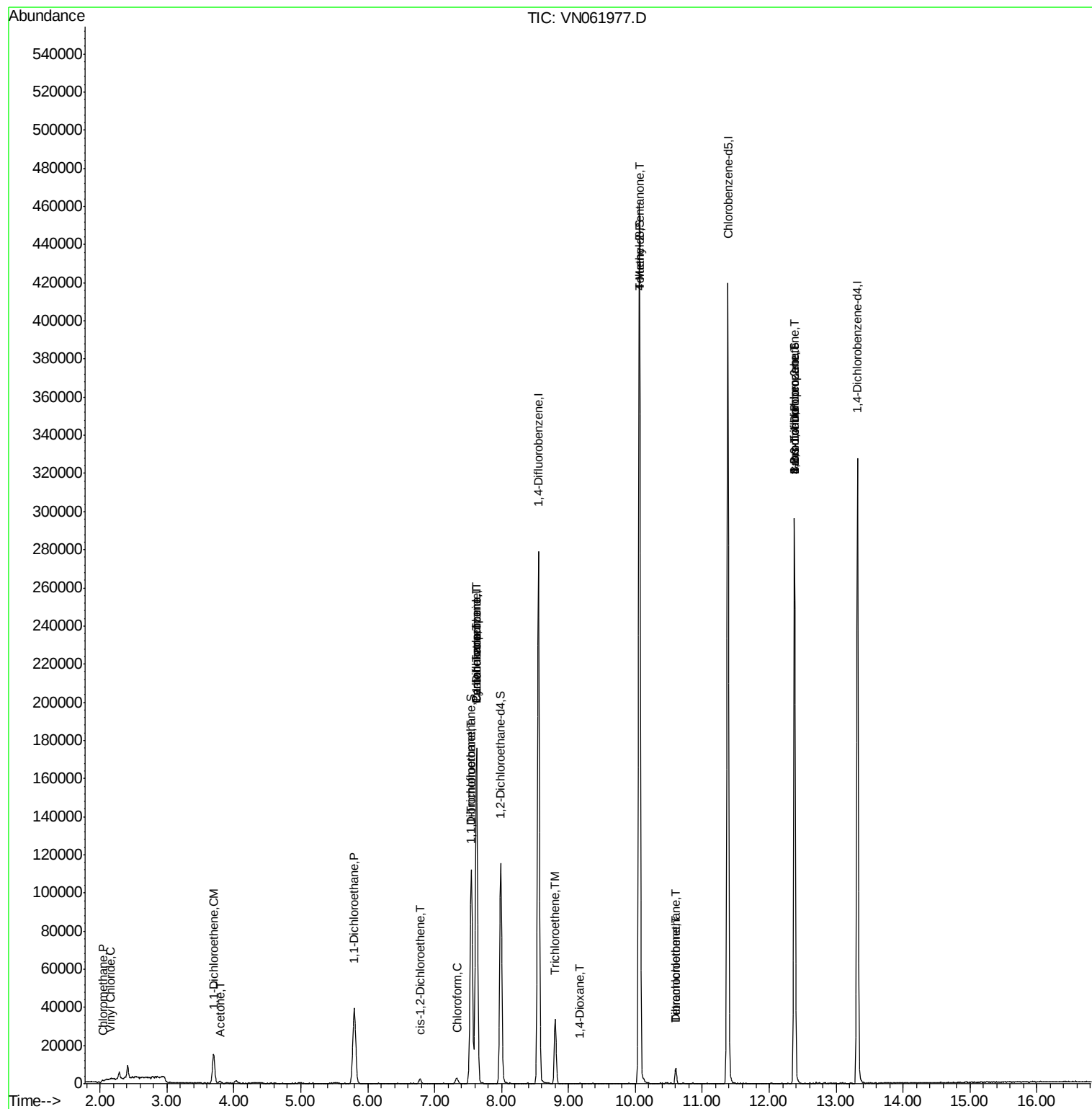
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	590	0.306	ug/l	99
4) Vinyl Chloride	2.16	62	879	0.382	ug/l #	88
12) 1,1-Dichloroethene	3.70	96	8431	5.971	ug/l	96
16) Acetone	3.78	43	1789	3.250	ug/l #	40
24) 1,1-Dichloroethane	5.80	63	60860	21.693	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	1693	0.905	ug/l	76
30) Chloroform	7.33	83	3440	1.147	ug/l	100
31) Cyclohexane	7.63	56	3215	1.309	ug/l #	26
32) 1,1,1-Trichloroethane	7.53	97	8430	3.301	ug/l	96
36) 1,1-Dichloropropene	7.63	75	11413	4.793	ug/l #	50
38) Carbon Tetrachloride	7.63	117	14287	6.059	ug/l #	17
44) Trichloroethene	8.80	130	13065	6.883	ug/l	96
49) 1,4-Dioxane	9.17	88	66	2.017	ug/l #	28
51) 4-Methyl-2-Pentanone	10.06	43	1257	0.679	ug/l #	1
60) Dibromochloromethane	10.60	129	1939	0.975	ug/l #	11
64) Tetrachloroethene	10.60	164	1833	1.160	ug/l	88
71) Bromoform	12.38	173	326	0.245	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	51844	29.560	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	51844	80.622	ug/l #	14

(#) = 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: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061977.D

Acq: 20 Jun 2020 5:15

Instrument :

MSVOA_N

ClientSampleId :

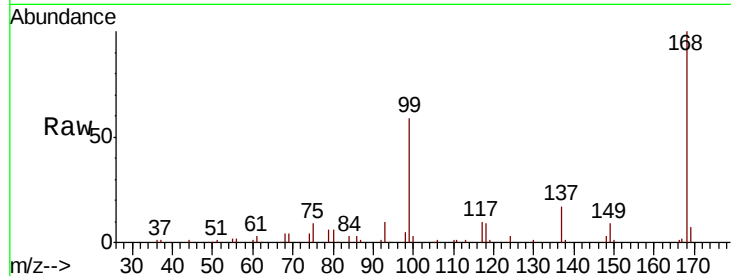
MW203D1-20200614

Tot Ion:168 Resp: 138959

Ion Ratio Lower Upper

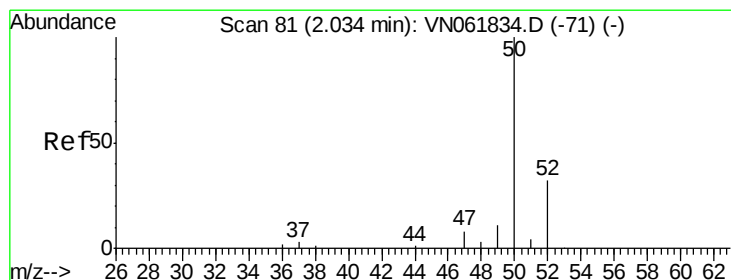
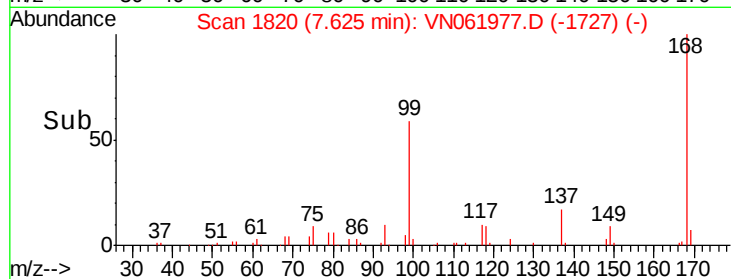
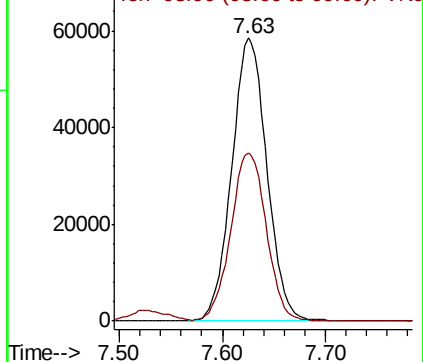
168 100

99 59.4 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.306 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061977.D

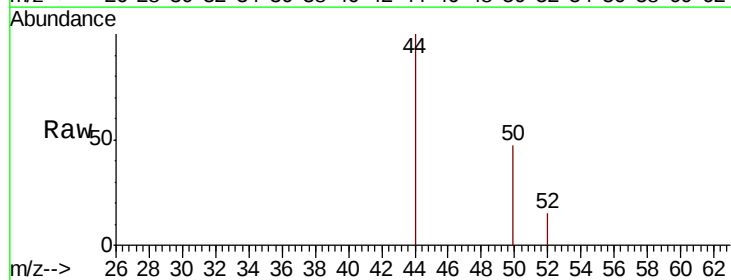
Acq: 20 Jun 2020 5:15

Tgt Ion: 50 Resp: 590

Ion Ratio Lower Upper

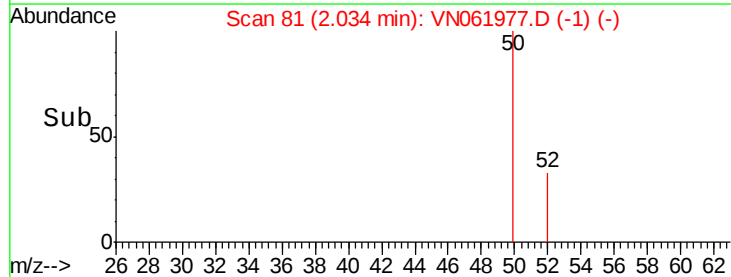
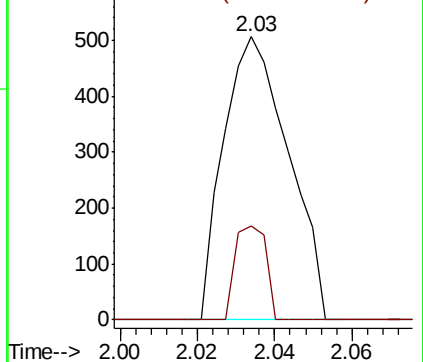
50 100

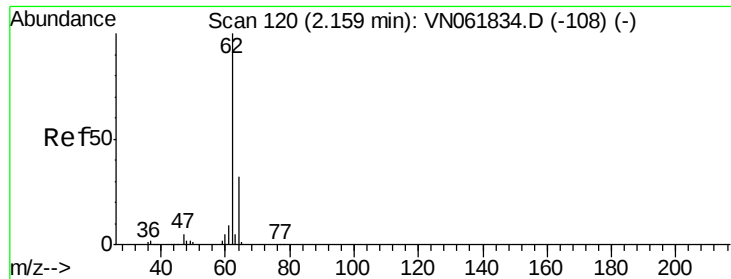
52 33.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#4

Vinyl Chloride

Concen: 0.382 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061977.D

Acq: 20 Jun 2020 5:15

Instrument :

MSVOA_N

ClientSampleId :

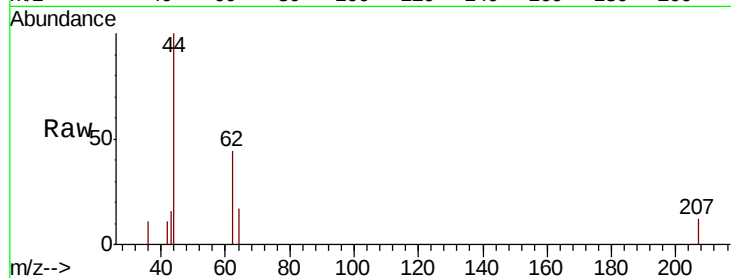
MW203D1-20200614

Tot Ion: 62 Resp: 879

Ion Ratio Lower Upper

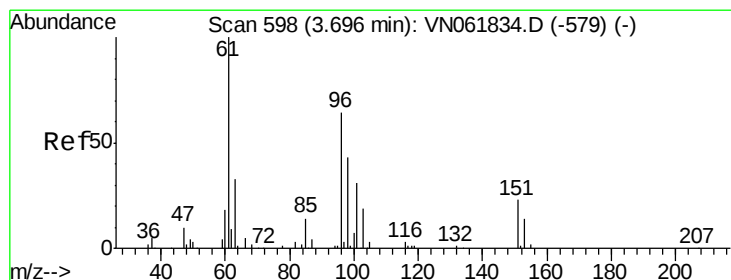
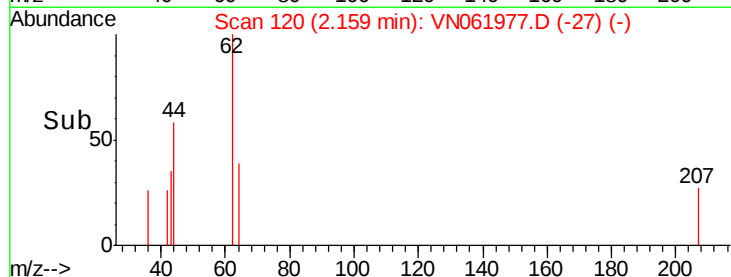
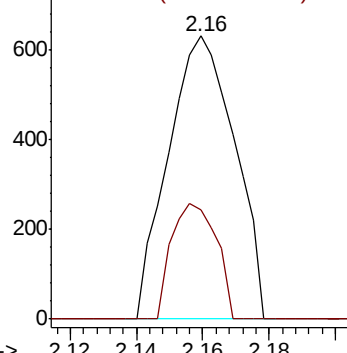
62 100

64 38.7 25.5 38.3#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#12

1,1-Dichloroethene

Concen: 5.971 ug/l

RT: 3.70 min Scan# 599

Delta R.T. 0.00 min

Lab File: VN061977.D

Acq: 20 Jun 2020 5:15

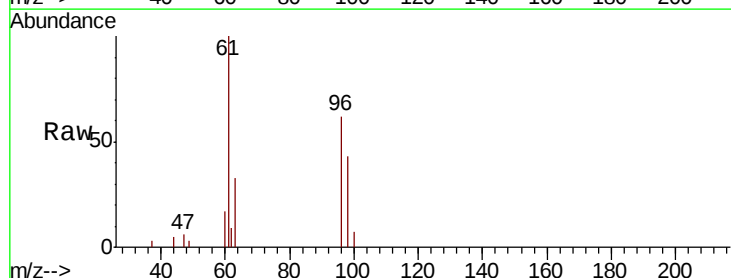
Tgt Ion: 96 Resp: 8431

Ion Ratio Lower Upper

96 100

61 161.5 124.3 186.5

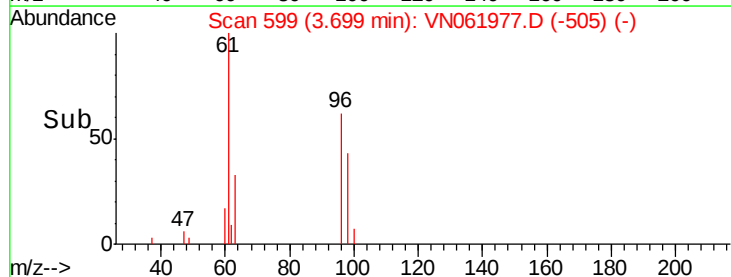
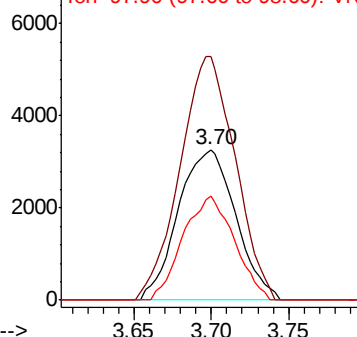
98 69.1 53.1 79.7

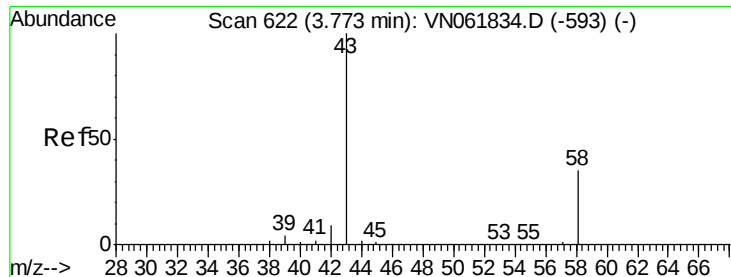


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#16

Acetone

Concen: 3.250 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061977.D

Acq: 20 Jun 2020 5:15

Instrument :

MSVOA_N

ClientSampleId :

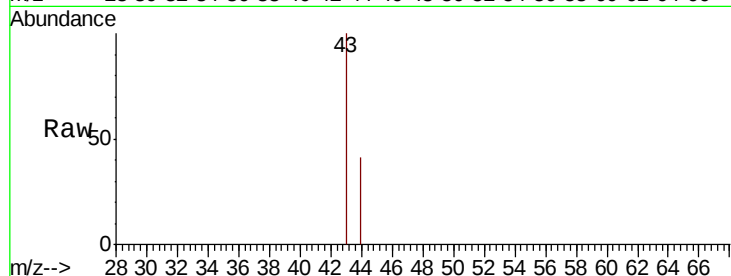
MW203D1-20200614

Tot Ion: 43 Resp: 1789

Ion Ratio Lower Upper

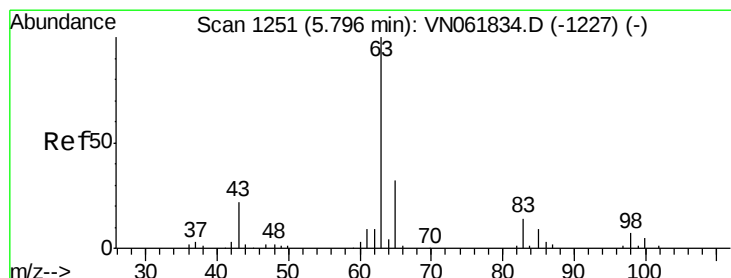
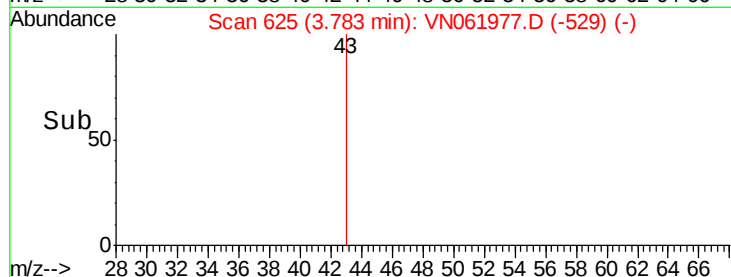
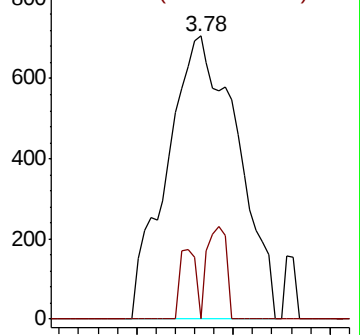
43 100

58 0.0 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#24

1,1-Dichloroethane

Concen: 21.693 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061977.D

Acq: 20 Jun 2020 5:15

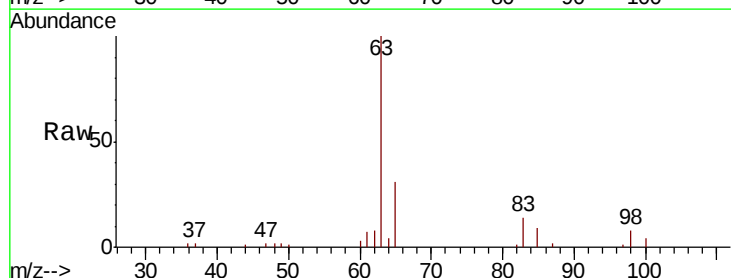
Tgt Ion: 63 Resp: 60860

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

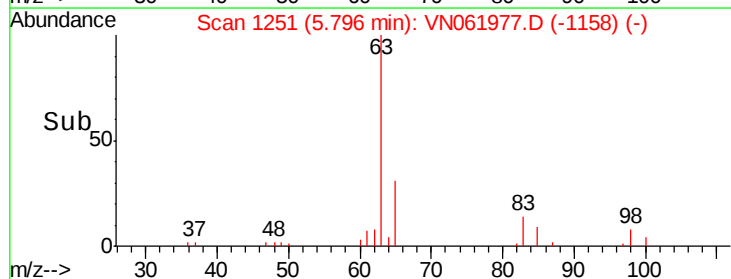
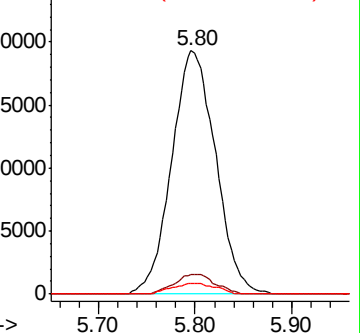
100 4.5 2.5 7.4

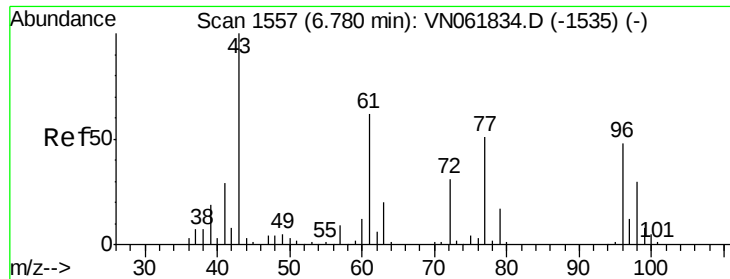


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

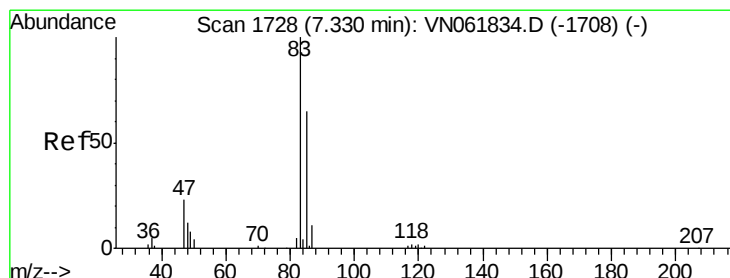
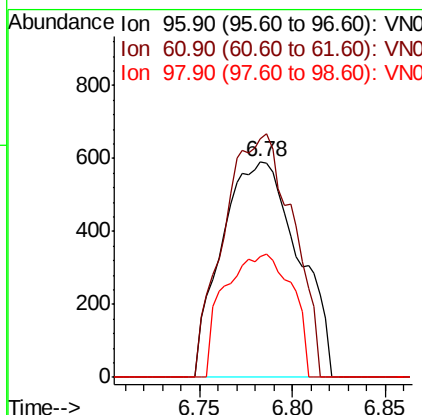
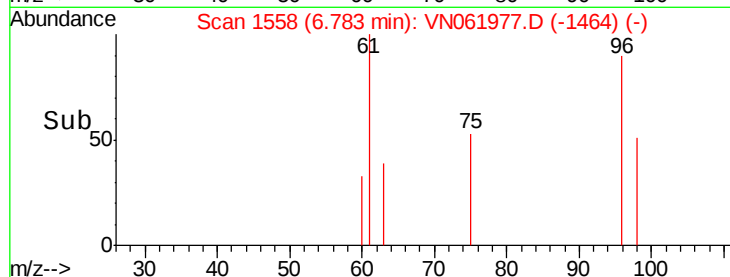
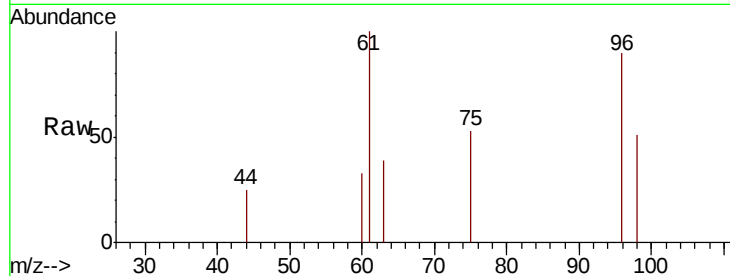




#27
 cis-1,2-Dichloroethene
 Concen: 0.905 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN061977.D
 Acq: 20 Jun 2020 5:15

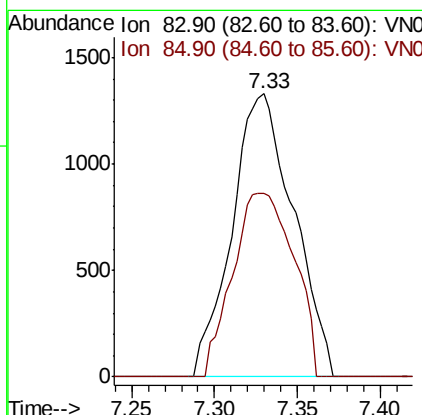
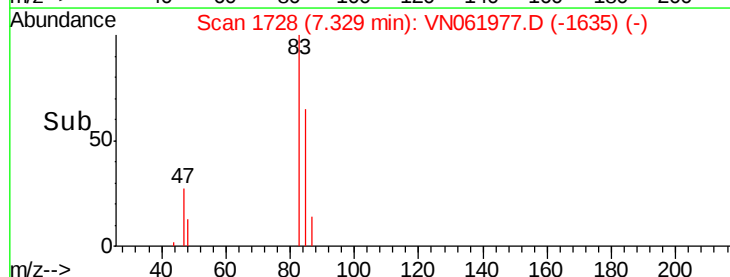
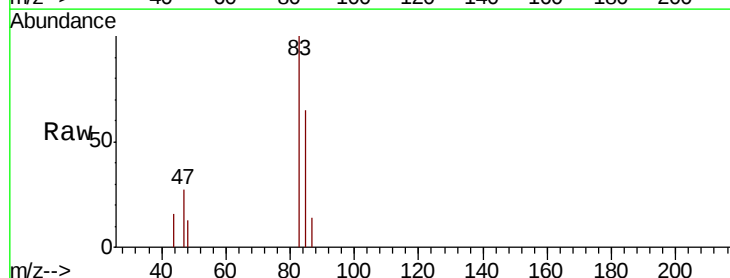
Instrument :
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 MW203D1-20200614

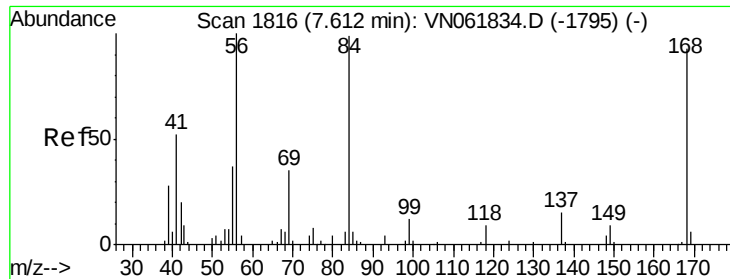
Tot Ion: 96 Resp: 1693
 Ion Ratio Lower Upper
 96 100
 61 101.8 0.0 265.6
 98 50.0 0.0 128.2



#30
 Chloroform
 Concen: 1.147 ug/l
 RT: 7.33 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: VN061977.D
 Acq: 20 Jun 2020 5:15

Tgt Ion: 83 Resp: 3440
 Ion Ratio Lower Upper
 83 100
 85 64.8 52.0 78.0

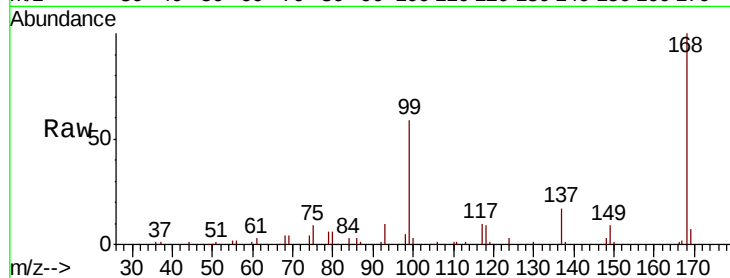




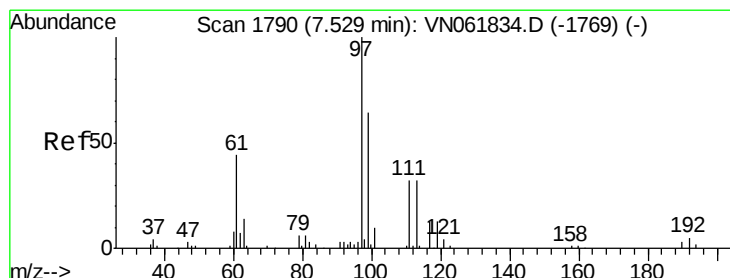
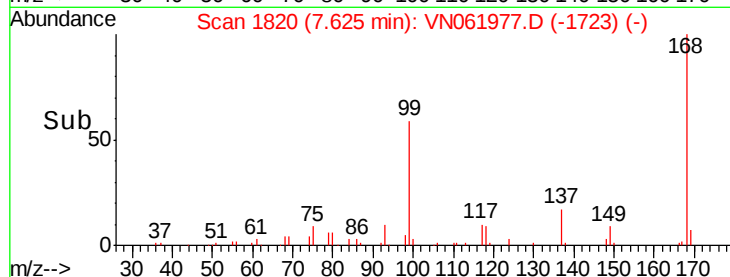
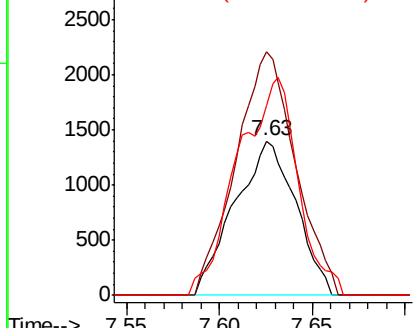
#31
Cyclohexane
Concen: 1.309 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061977.D
Acq: 20 Jun 2020 5:15

Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20200614

Tot Ion: 56 Resp: 3215
Ion Ratio Lower Upper
56 100
69 157.9 27.7 41.5#
84 123.5 79.1 118.7#

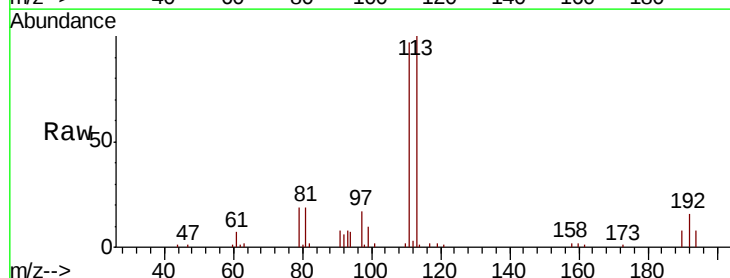


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

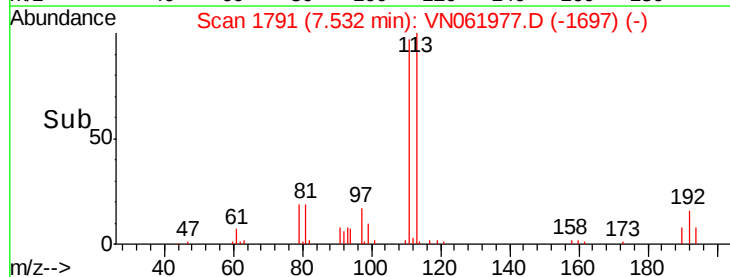
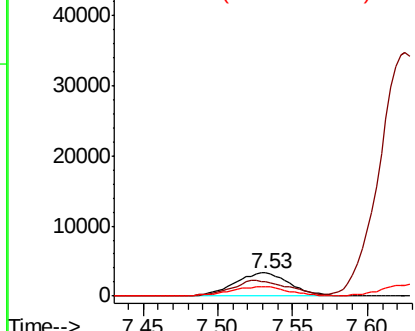


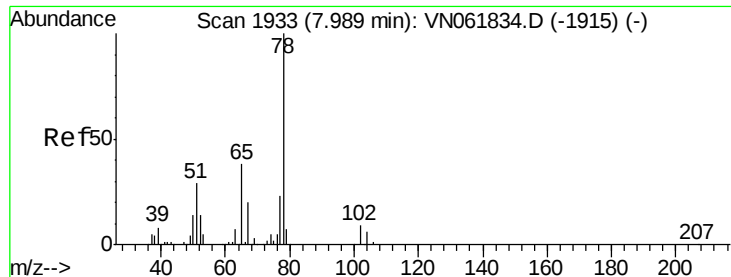
#32
1,1,1-Trichloroethane
Concen: 3.301 ug/l
RT: 7.53 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VN061977.D
Acq: 20 Jun 2020 5:15

Tgt Ion: 97 Resp: 8430
Ion Ratio Lower Upper
97 100
99 69.4 51.5 77.3
61 43.1 35.1 52.7



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

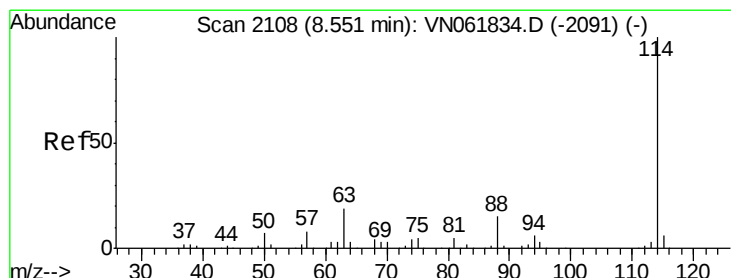
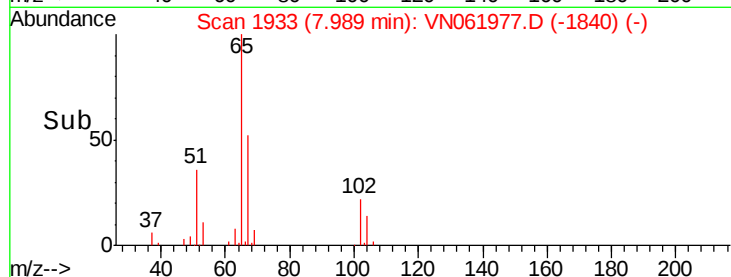
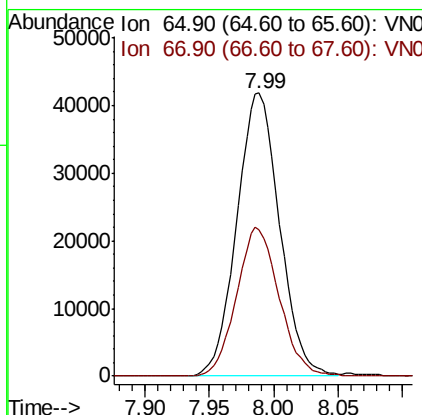
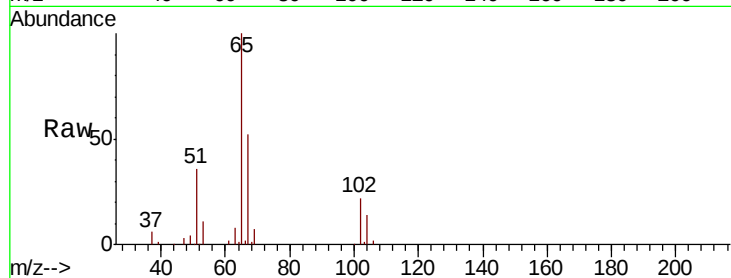




#33
 1,2-Dichloroethane-d4
 Concen: 51.899 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061977.D
 Acq: 20 Jun 2020 5:15

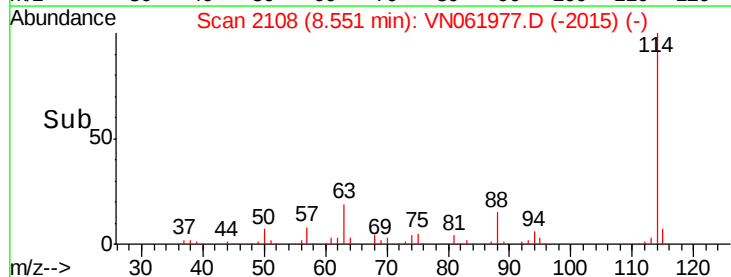
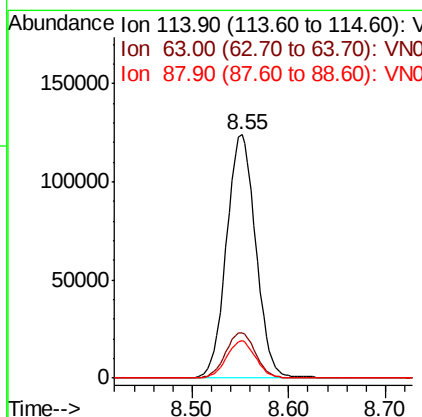
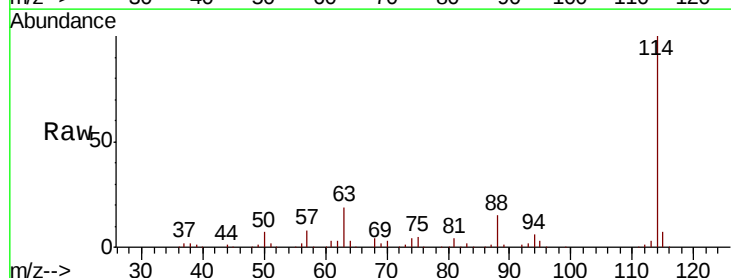
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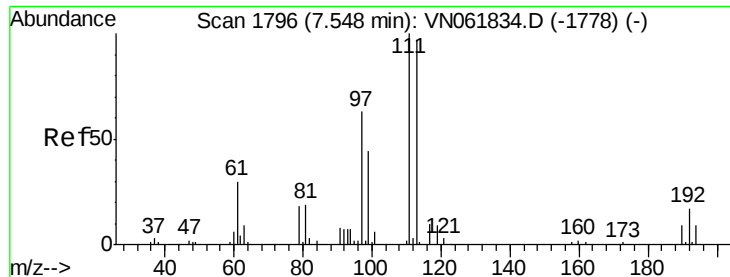
Tot Ion: 65 Resp: 96721
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061977.D
 Acq: 20 Jun 2020 5:15

Tgt Ion: 114 Resp: 261052
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.6
 88 15.4 0.0 31.0

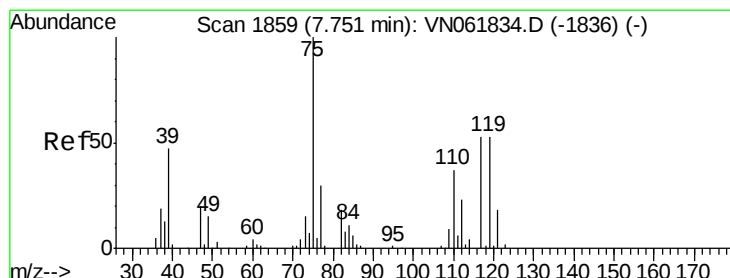
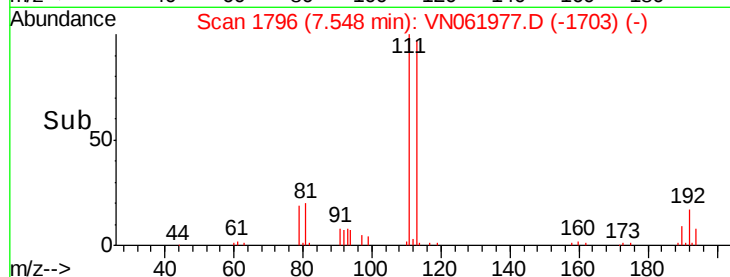
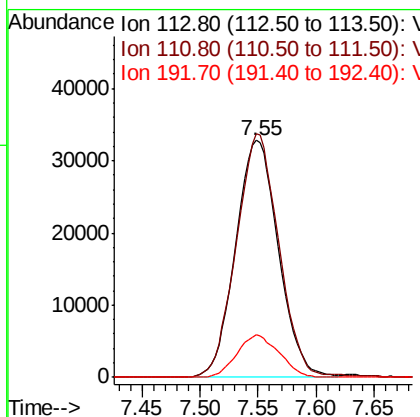
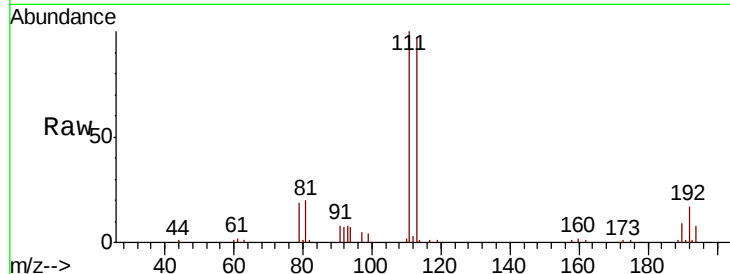




#35
 Dibromofluoromethane
 Concen: 50.544 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061977.D
 Acq: 20 Jun 2020 5:15

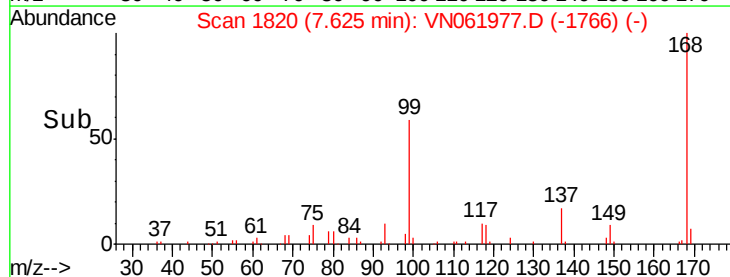
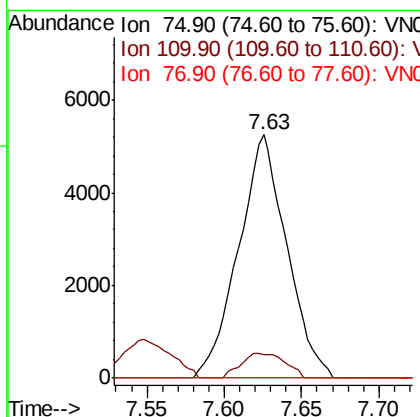
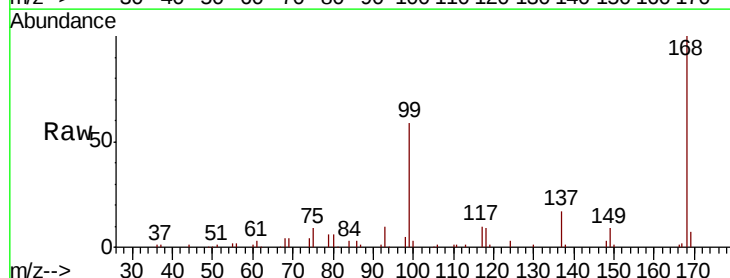
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 ClientSampleId :
 MW203D1-20200614

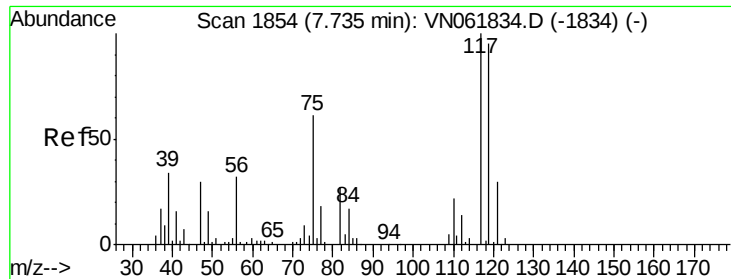
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.7	125.5
192	17.5	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.793 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061977.D
 Acq: 20 Jun 2020 5:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.2	54.6#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 6.059 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061977.D

Acq: 20 Jun 2020 5:15

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20200614

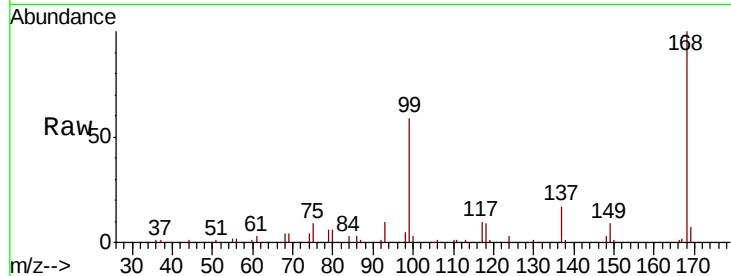
Tot Ion:117 Resp: 14287

Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.6#

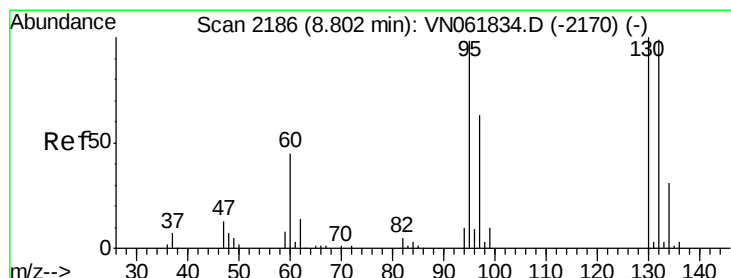
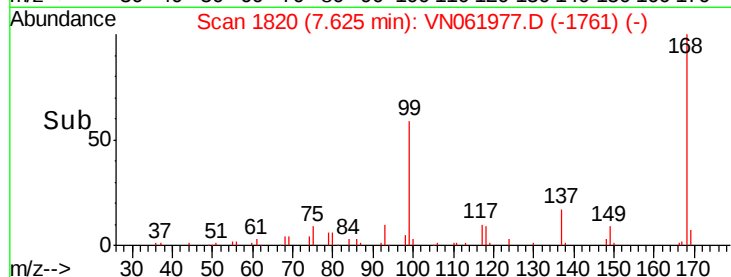
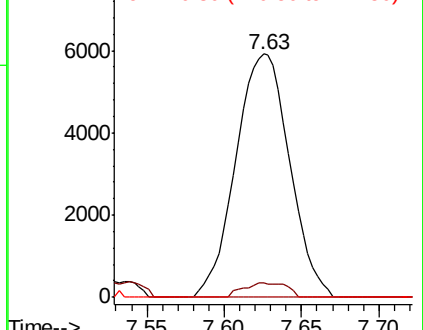
121 0.0 23.8 35.6#



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



#44

Trichloroethene

Concen: 6.883 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061977.D

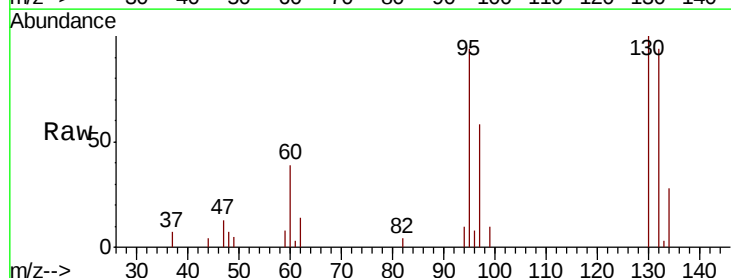
Acq: 20 Jun 2020 5:15

Tgt Ion:130 Resp: 13065

Ion Ratio Lower Upper

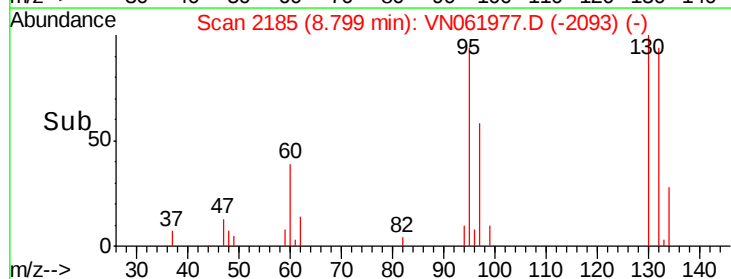
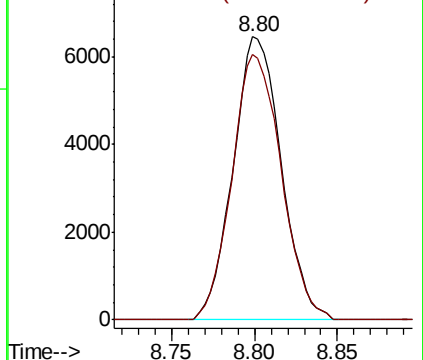
130 100

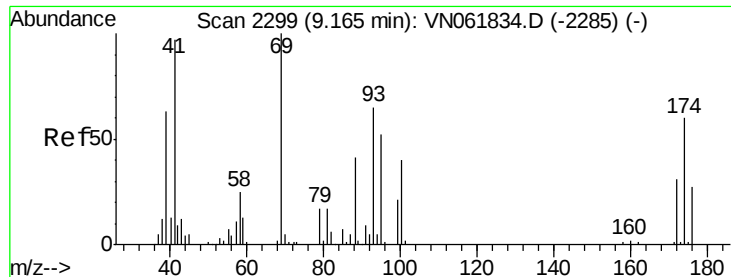
95 93.7 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

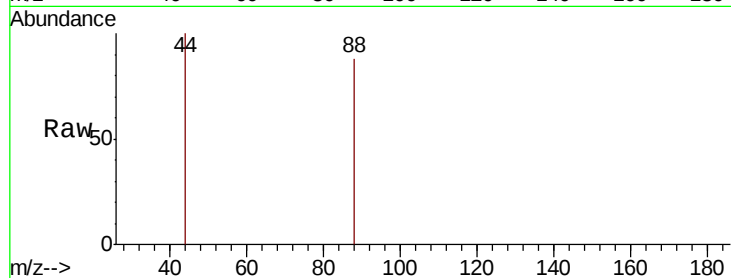




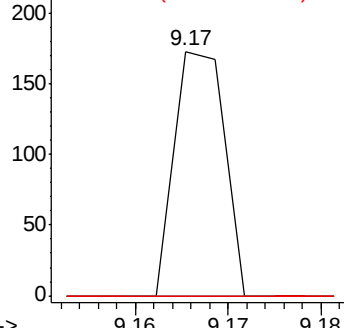
#49
 1,4-Dioxane
 Concen: 2.017 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061977.D
 Acq: 20 Jun 2020 5:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D1-20200614

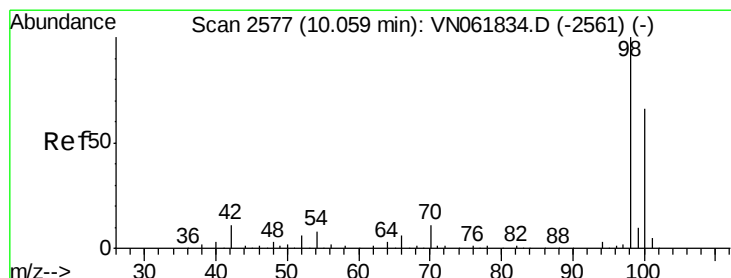
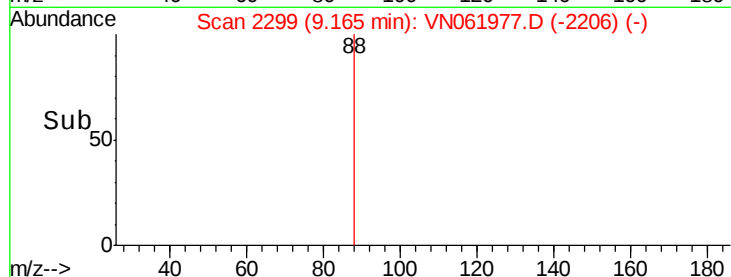
Tot Ion: 88 Resp: 66
 Ion Ratio Lower Upper
 88 100
 43 0.0 23.4 35.2#
 58 0.0 49.8 74.6#



Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

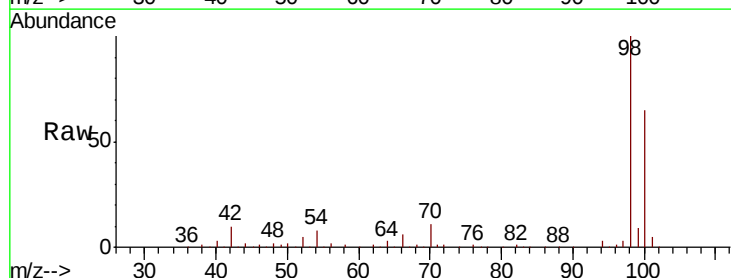


Time-->

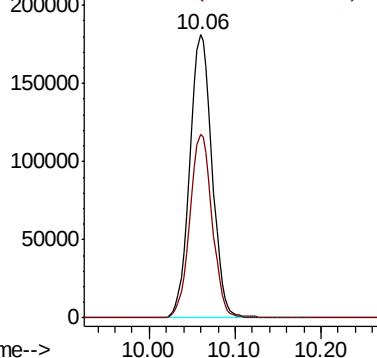


#50
 Toluene-d8
 Concen: 49.931 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061977.D
 Acq: 20 Jun 2020 5:15

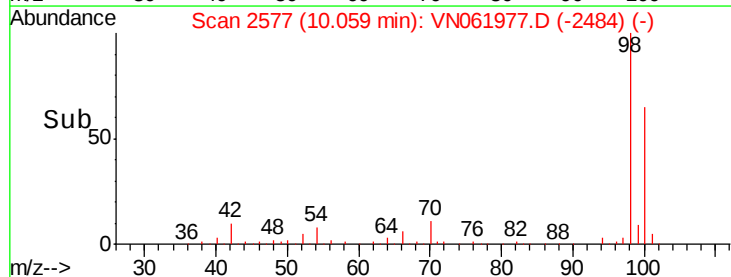
Tgt Ion: 98 Resp: 327831
 Ion Ratio Lower Upper
 98 100
 100 64.8 52.7 79.1

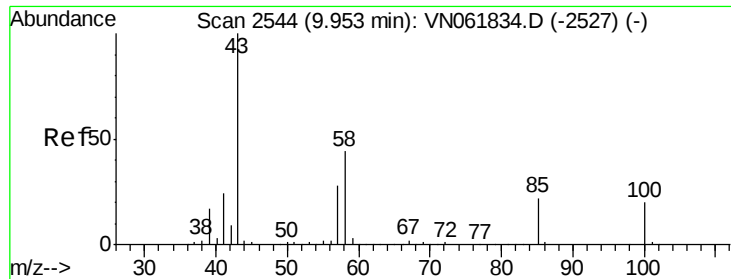


Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0



Time-->

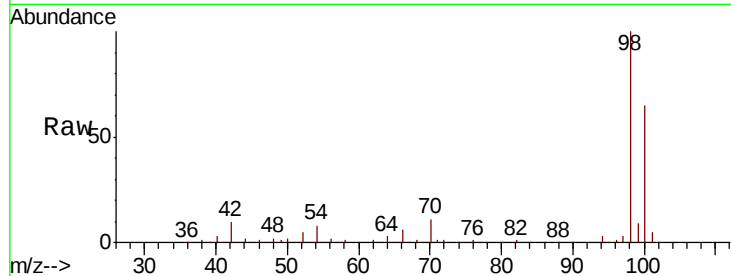




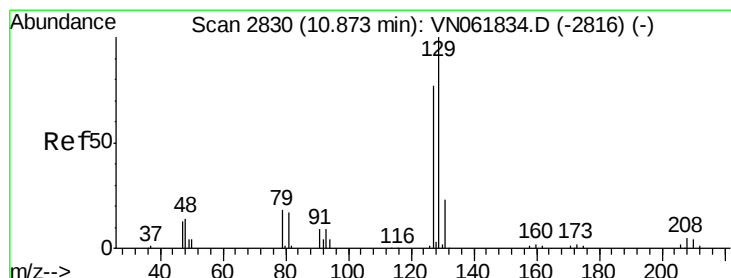
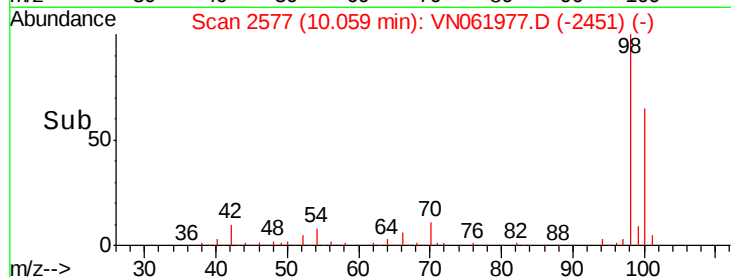
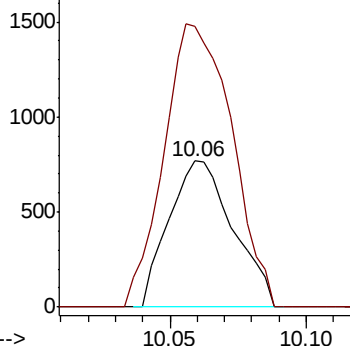
#51
4-Methyl-2-Pentanone
Concen: 0.679 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.11 min
Lab File: VN061977.D
Acq: 20 Jun 2020 5:15

Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20200614

Tot Ion: 43 Resp: 1257
Ion Ratio Lower Upper
43 100
58 204.3 34.6 52.0#

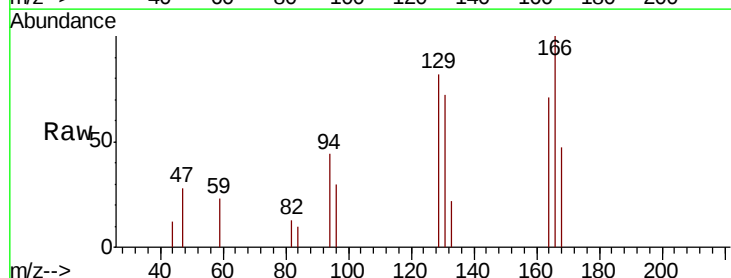


Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)
Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

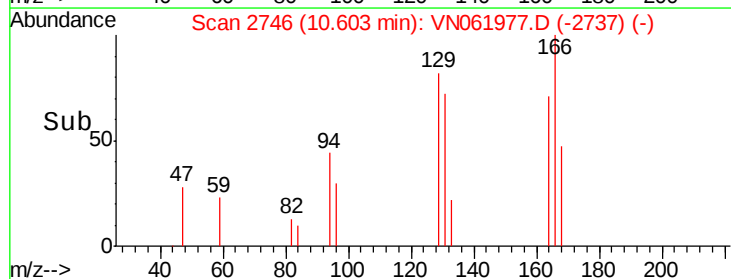
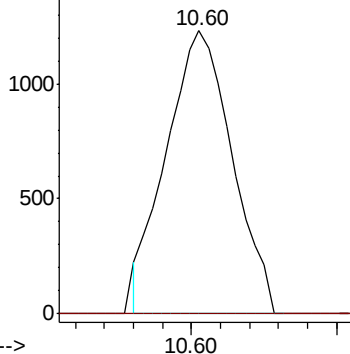


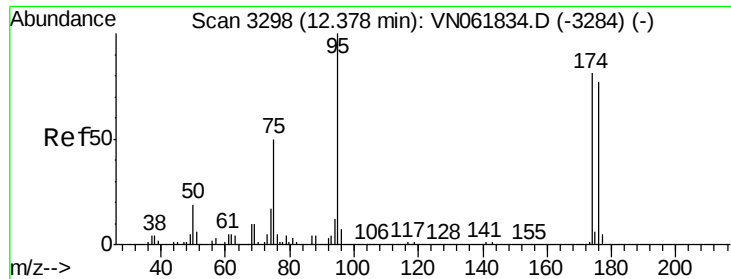
#60
Dibromochloromethane
Concen: 0.975 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.27 min
Lab File: VN061977.D
Acq: 20 Jun 2020 5:15

Tgt Ion: 129 Resp: 1939
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): VN061834.D (-2816) (-)
Ion 126.80 (126.50 to 127.50): VN061834.D (-2816) (-)





#62

4-Bromofluorobenzene

Concen: 46.351 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061977.D

Acq: 20 Jun 2020 5:15

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20200614

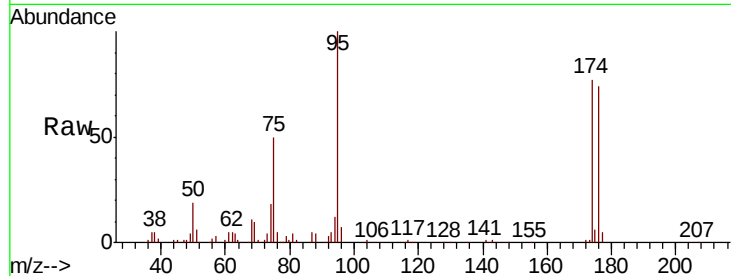
Tot Ion: 95 Resp: 104390

Ion Ratio Lower Upper

95 100

174 77.5 0.0 158.6

176 74.2 0.0 152.0

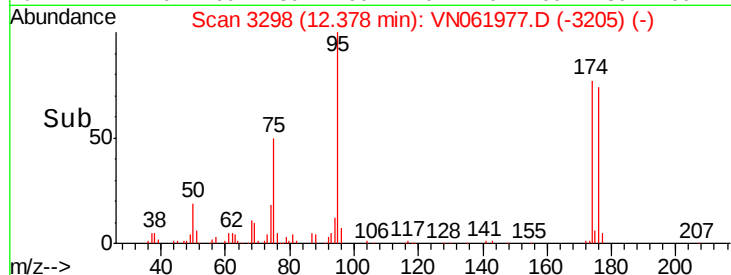


Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

Time-->

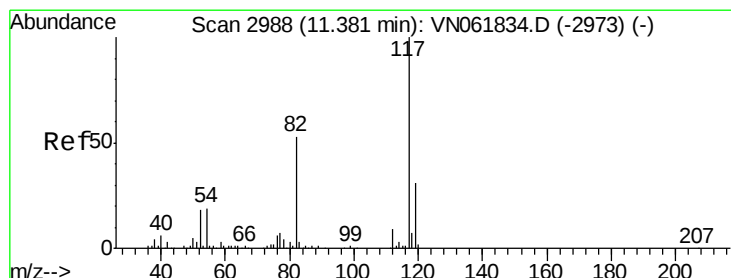


Abundance Ion 94.90 (94.60 to 95.60): VN061977.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN061977.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN061977.D (-3205) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061977.D

Acq: 20 Jun 2020 5:15

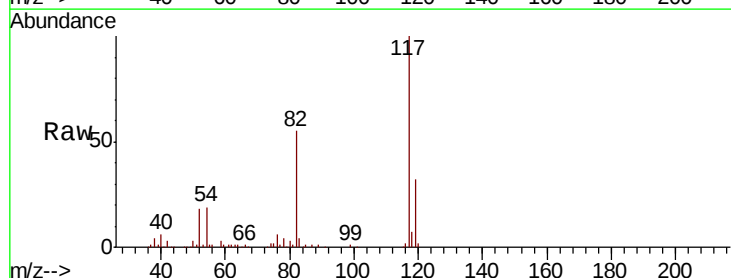
Tgt Ion: 117 Resp: 247999

Ion Ratio Lower Upper

117 100

82 54.6 42.6 64.0

119 31.7 24.7 37.1

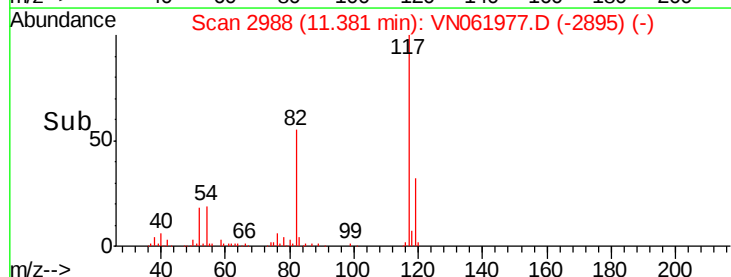


Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)

Time-->

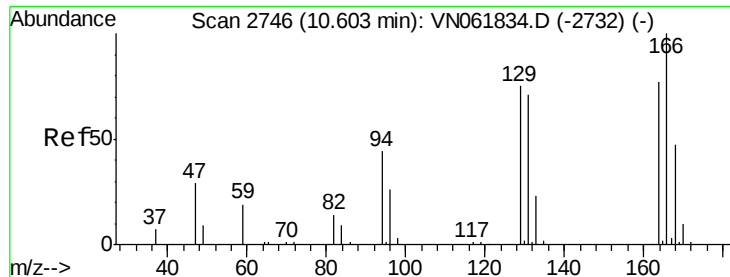


Abundance Ion 116.90 (116.60 to 117.60): VN061977.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061977.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061977.D (-2895) (-)

Time-->



#64

Tetrachloroethene

Concen: 1.160 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN061977.D

Acq: 20 Jun 2020 5:15

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20200614

Tot Ion:164 Resp: 1833

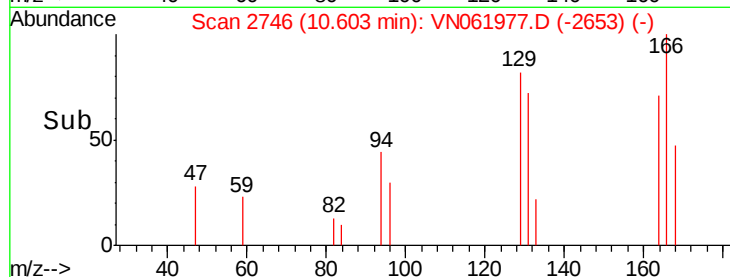
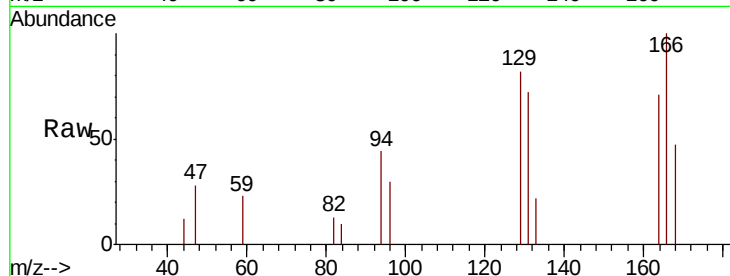
Ion Ratio Lower Upper

164 100

166 140.2 103.5 155.3

129 114.4 77.5 116.3

131 100.7 73.8 110.8

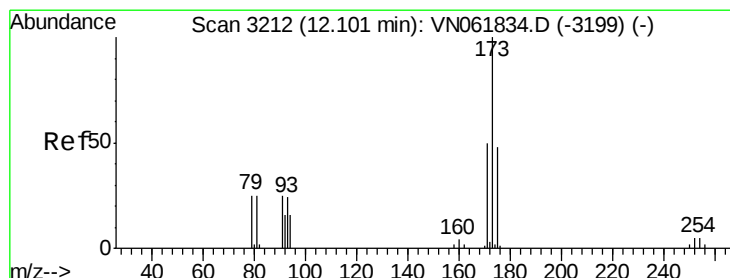
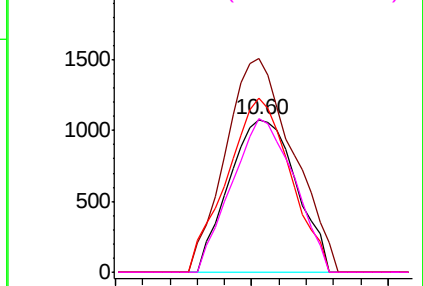


Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.245 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061977.D

Acq: 20 Jun 2020 5:15

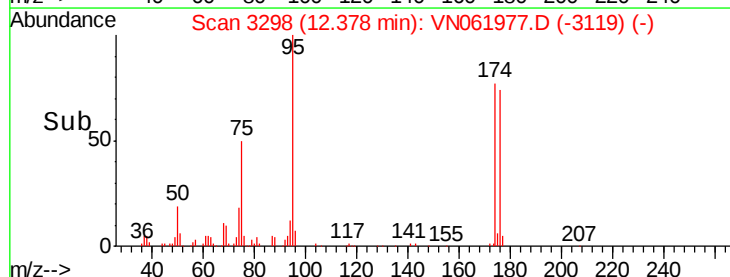
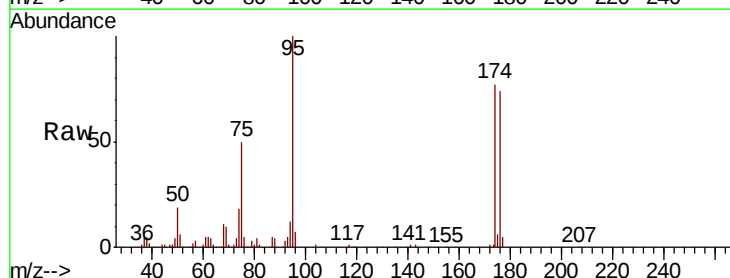
Tgt Ion:173 Resp: 326

Ion Ratio Lower Upper

173 100

175 1522.4 23.9 71.7#

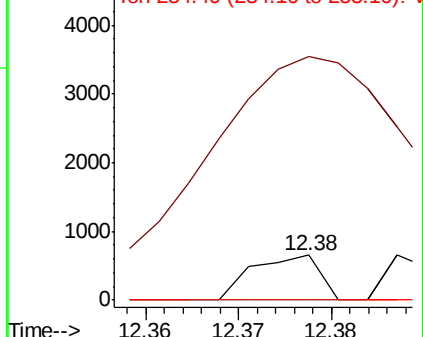
254 0.0 0.0 0.0

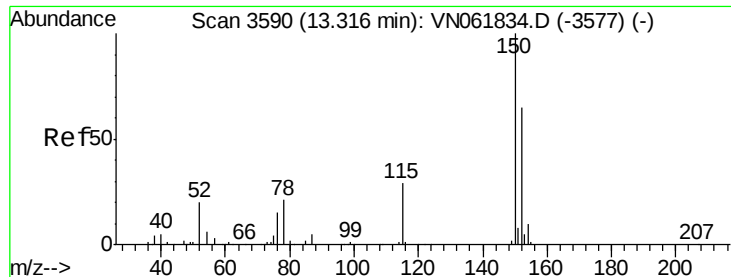


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061977.D

Acq: 20 Jun 2020 5:15

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20200614

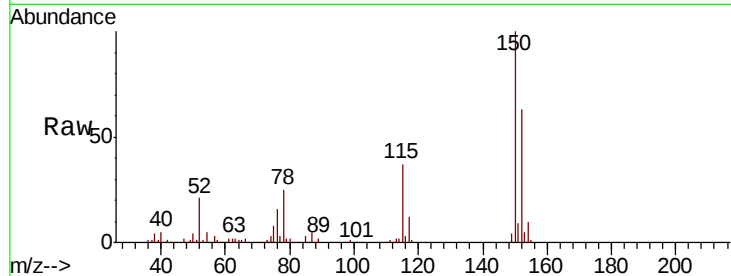
Tot Ion:152 Resp: 89335

Ion Ratio Lower Upper

152 100

115 58.6 29.1 87.3

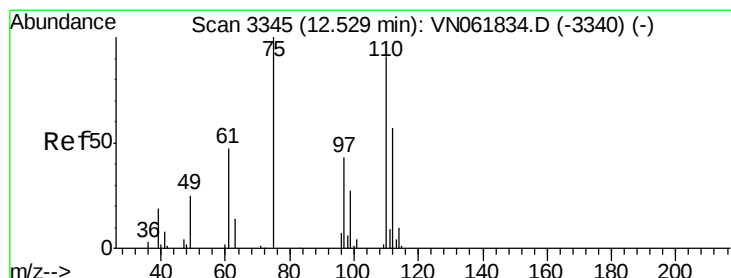
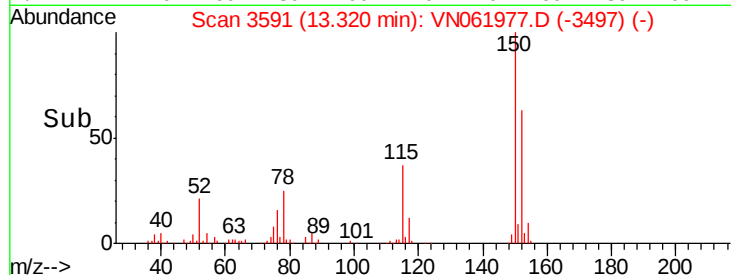
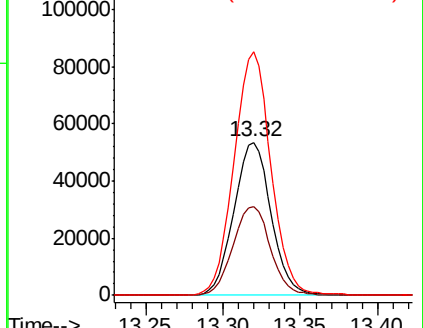
150 158.4 0.0 347.6



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: 29.560 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061977.D

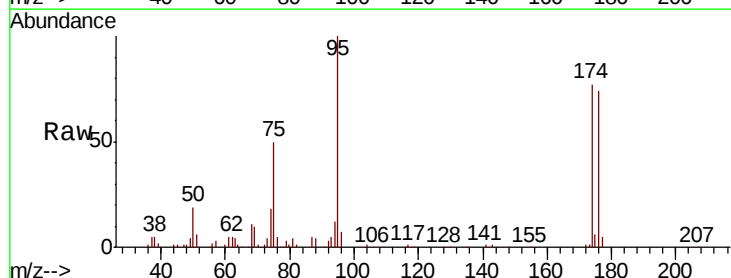
Acq: 20 Jun 2020 5:15

Tgt Ion: 75 Resp: 51844

Ion Ratio Lower Upper

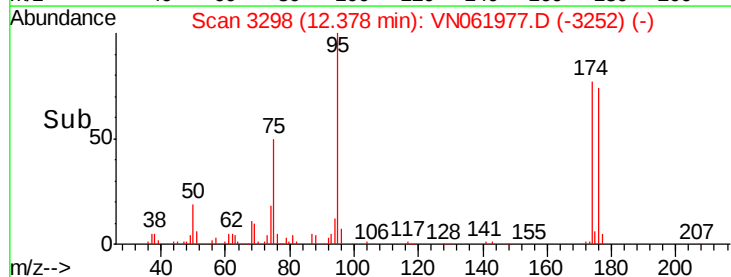
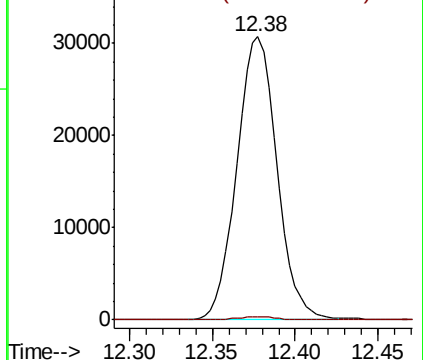
75 100

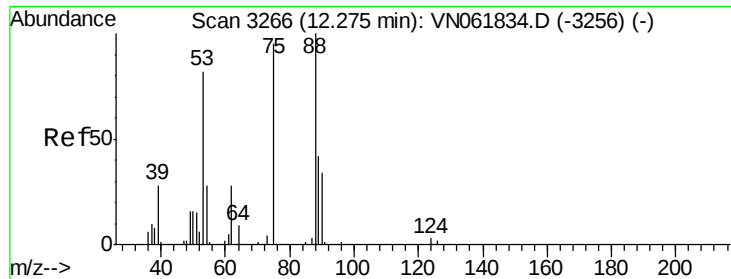
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 80.622 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061977.D

Acq: 20 Jun 2020 5:15

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20200614

Tot Ion: 75 Resp: 51844

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

