

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061358.D
 Acq On : 8 May 2020 13:50
 Operator : JC/MD
 Sample : L2544-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 09 00:19:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

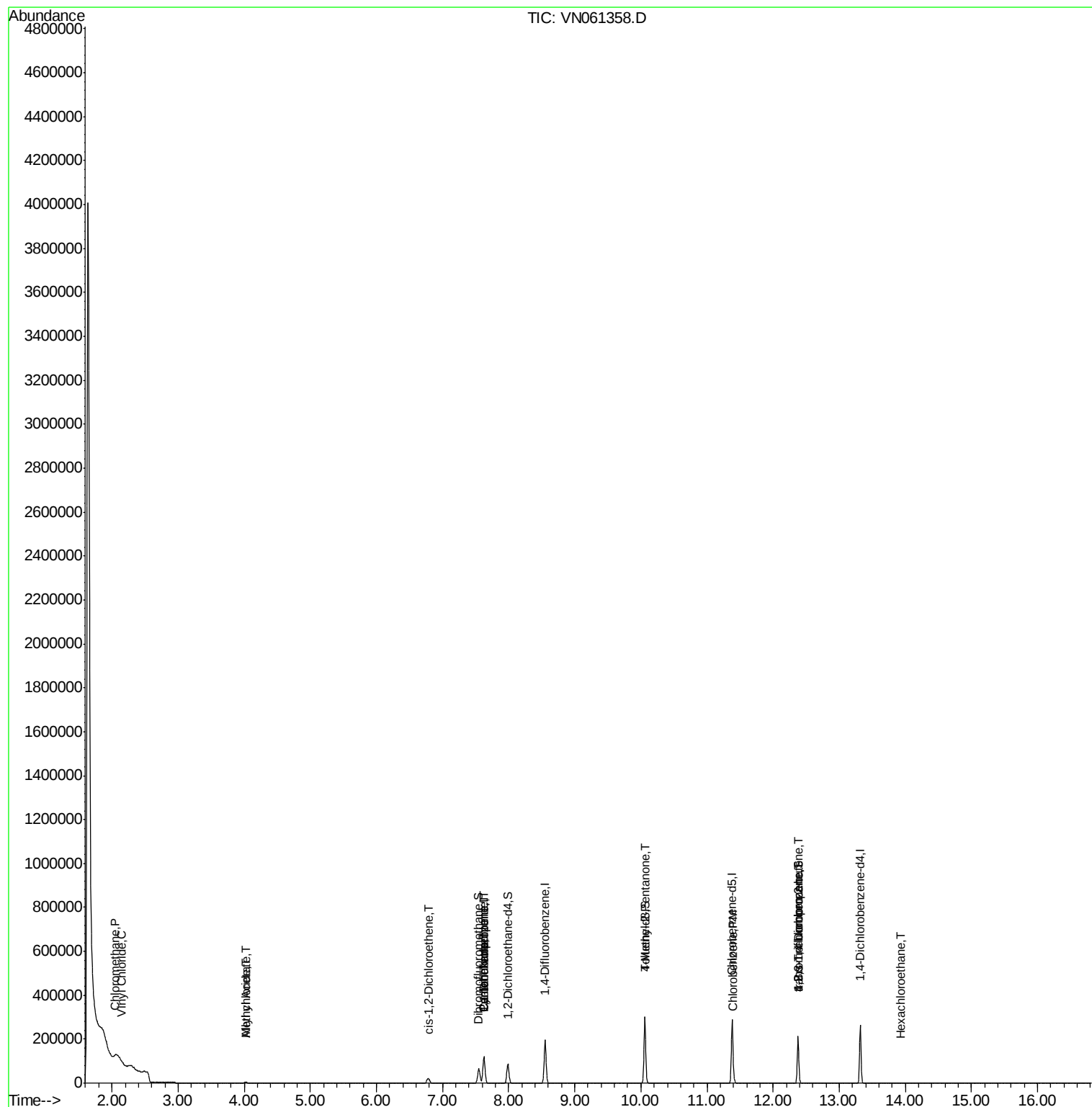
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	89738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	163630	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	152747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	64890	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	75344	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
35) Dibromofluoromethane	7.55	113	49686	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.70%	
50) Toluene-d8	10.06	98	201457	51.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.38	95	72794	49.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.08%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	412	0.357	ug/l #	42
4) Vinyl Chloride	2.16	62	5071	3.874	ug/l	94
14) Allyl chloride	4.02	41	499	0.284	ug/l #	81
16) Acetone	3.78	43	1457	Below Cal	#	47
18) Methyl Acetate	4.02	43	1401	1.450	ug/l #	55
27) cis-1,2-Dichloroethene	6.78	96	14378	11.884	ug/l	89
31) Cyclohexane	7.63	56	2331	1.128	ug/l #	20
36) 1,1-Dichloropropene	7.63	75	7953	4.855	ug/l #	50
38) Carbon Tetrachloride	7.63	117	9784	8.534	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1206	0.643	ug/l #	1
65) Chlorobenzene	11.41	112	6973	2.301	ug/l	93
76) 1,2,3-Trichloropropane	12.38	75	40358	29.500	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	40358	74.915	ug/l #	8
90) Hexachloroethane	13.92	117	102	7.829	ug/l #	14

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

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Quant Title : SW846 8260
QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061358.D

Acq: 8 May 2020 13:50

Instrument :

MSVOA_N

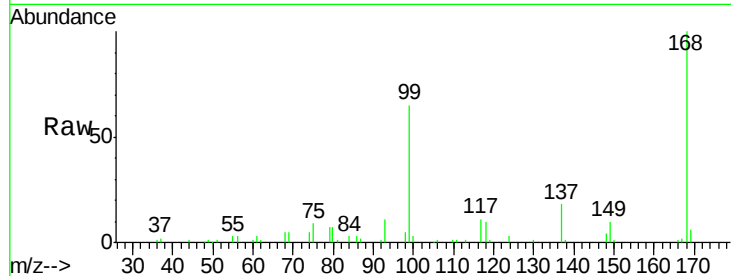
ClientSampled :

Tot Ion:168 Resp: 89738

Ion Ratio Lower Upper

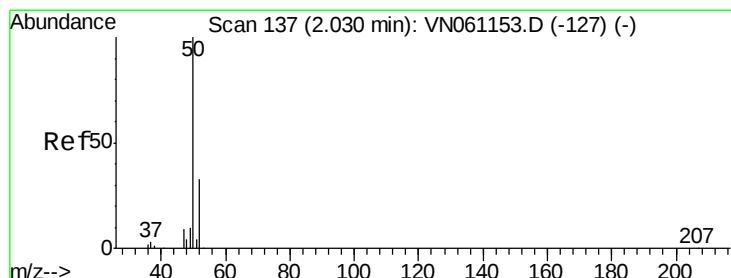
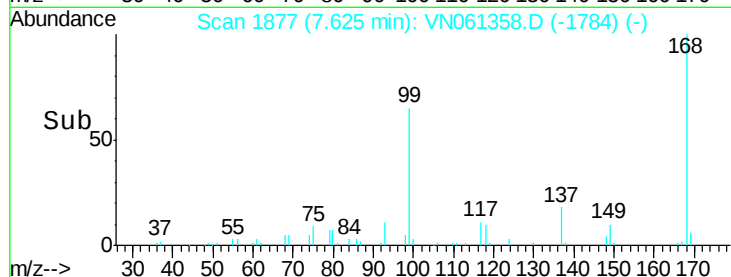
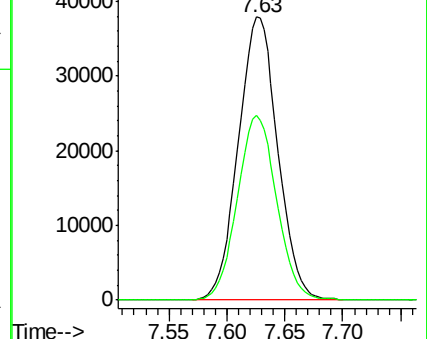
168 100

99 65.1 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.357 ug/l

RT: 2.03 min Scan# 138

Delta R.T. 0.00 min

Lab File: VN061358.D

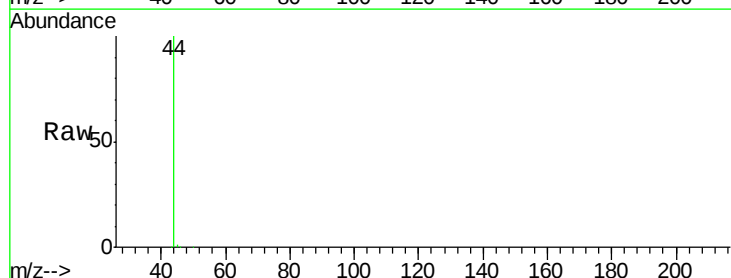
Acq: 8 May 2020 13:50

Tgt Ion: 50 Resp: 412

Ion Ratio Lower Upper

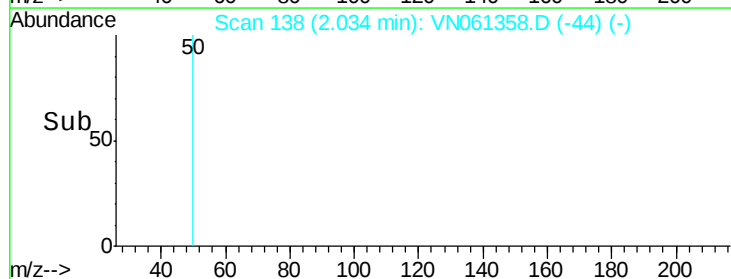
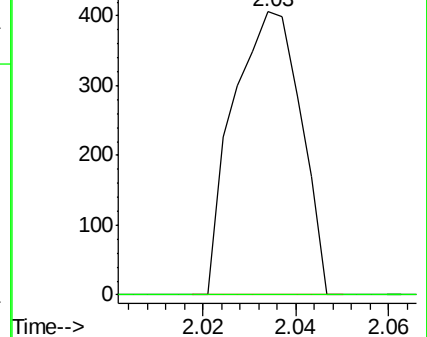
50 100

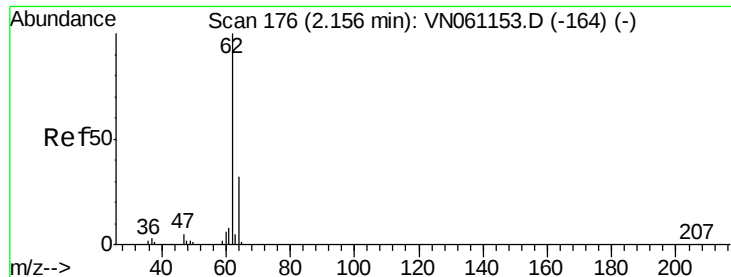
52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#4

Vinyl Chloride

Concen: 3.874 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061358.D

Acq: 8 May 2020 13:50

Instrument :

MSVOA_N

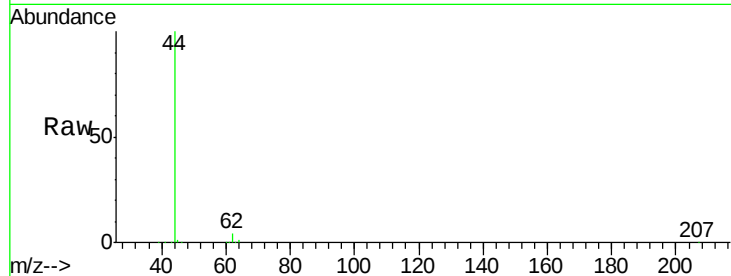
ClientSampleId :

Tot Ion: 62 Resp: 5071

Ion Ratio Lower Upper

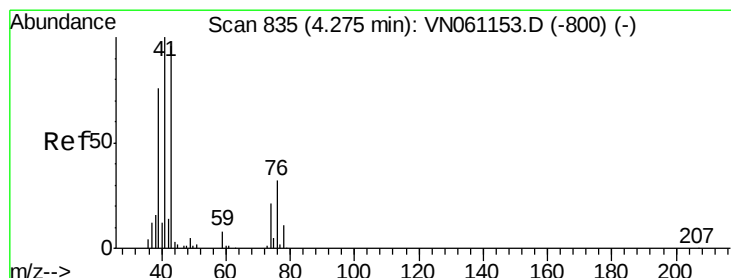
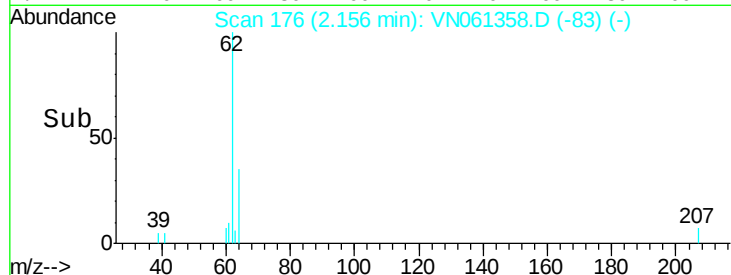
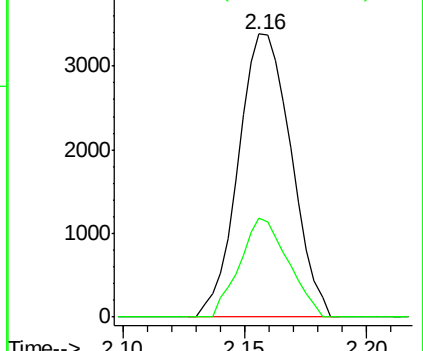
62 100

64 35.0 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#14

Allyl chloride

Concen: 0.284 ug/l

RT: 4.02 min Scan# 757

Delta R.T. -0.25 min

Lab File: VN061358.D

Acq: 8 May 2020 13:50

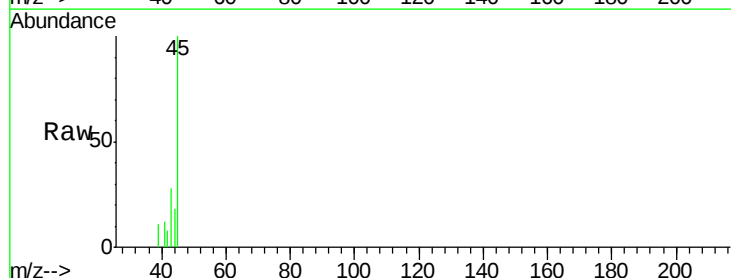
Tgt Ion: 41 Resp: 499

Ion Ratio Lower Upper

41 100

39 81.6 57.1 85.7

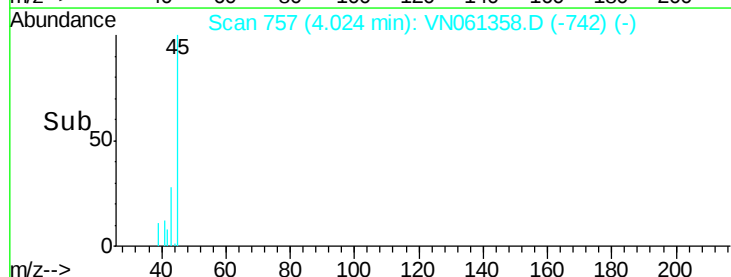
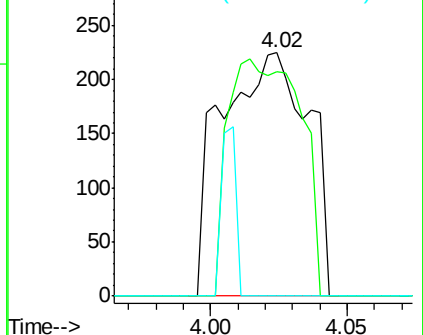
76 11.8 24.3 36.5#

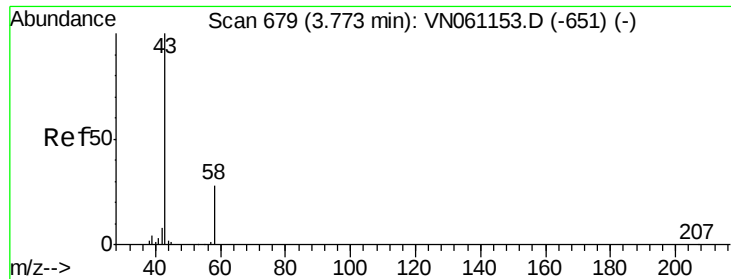


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 682

Delta R.T. 0.01 min

Lab File: VN061358.D

Acq: 8 May 2020 13:50

Instrument :

MSVOA_N

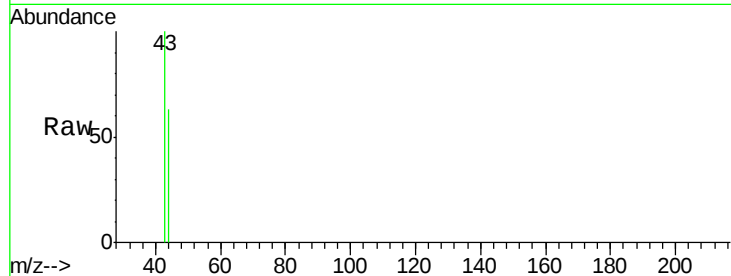
ClientSampleId :

Tot Ion: 43 Resp: 1457

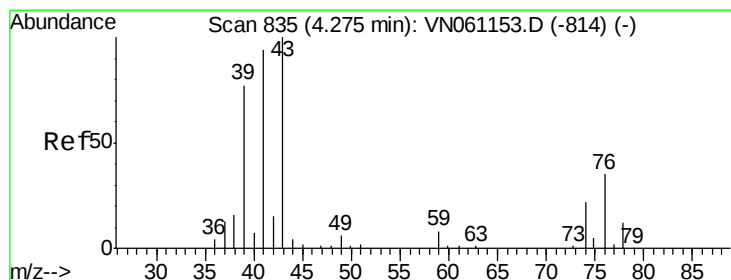
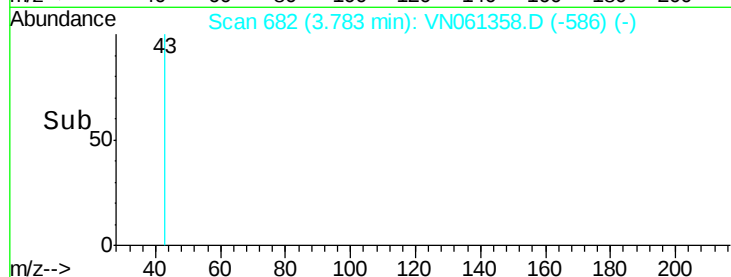
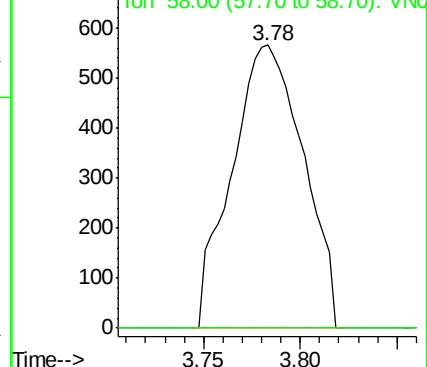
Ion Ratio Lower Upper

43 100

58 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0



#18

Methyl Acetate

Concen: 1.450 ug/l

RT: 4.02 min Scan# 757

Delta R.T. -0.25 min

Lab File: VN061358.D

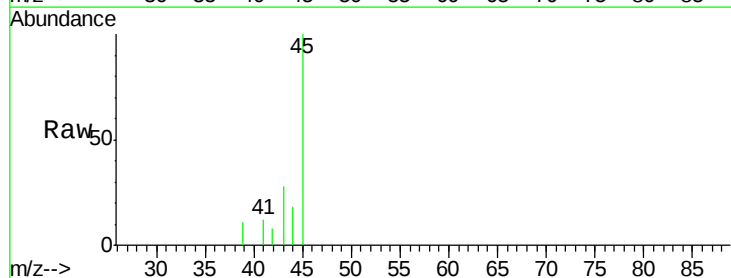
Acq: 8 May 2020 13:50

Tgt Ion: 43 Resp: 1401

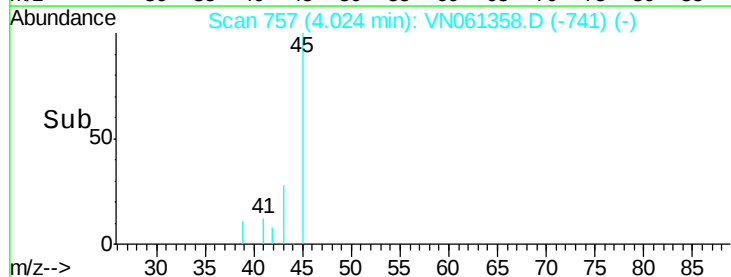
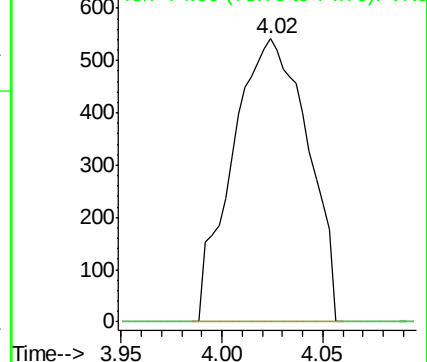
Ion Ratio Lower Upper

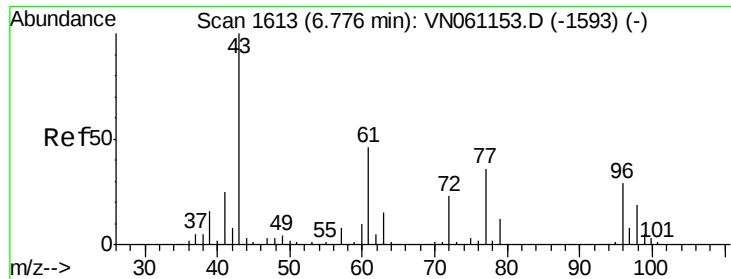
43 100

74 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 11.884 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.01 min

Lab File: VN061358.D

Acq: 8 May 2020 13:50

Instrument :
MSVOA_N
ClientSampled :

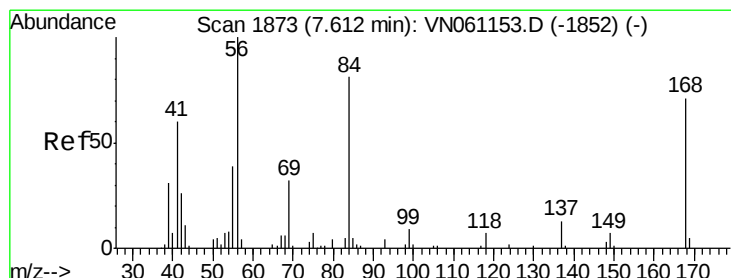
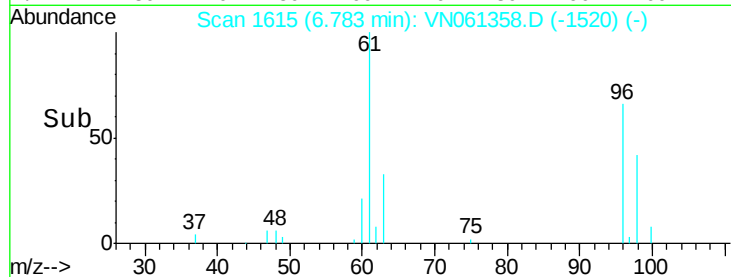
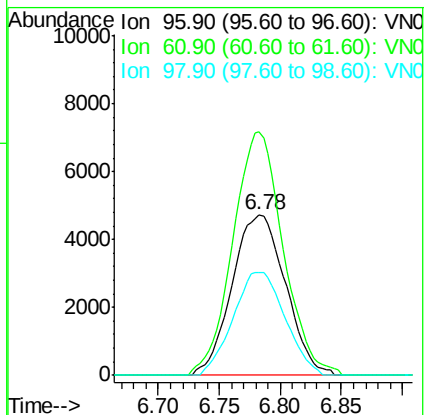
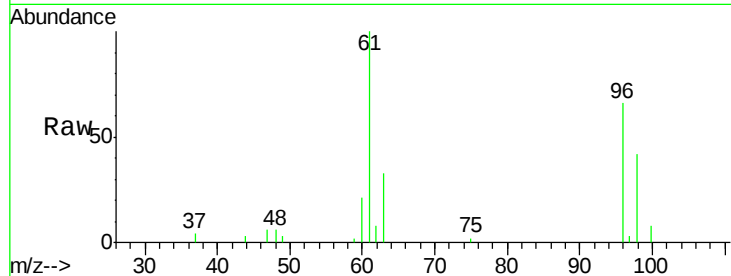
Tot Ion: 96 Resp: 14378

Ion Ratio Lower Upper

96 100

61 142.5 0.0 322.0

98 62.2 0.0 129.6



#31

Cyclohexane

Concen: 1.128 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VN061358.D

Acq: 8 May 2020 13:50

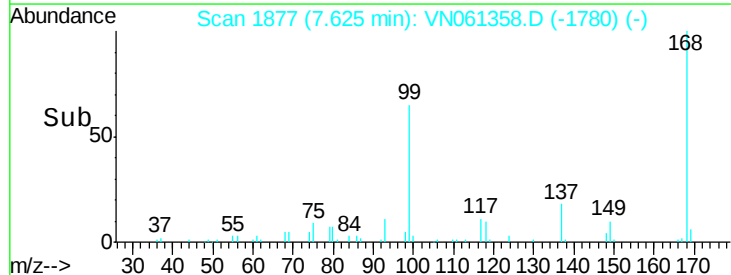
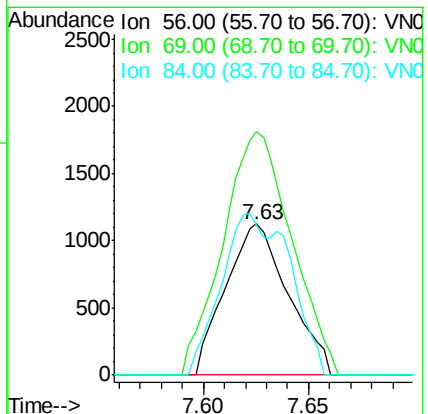
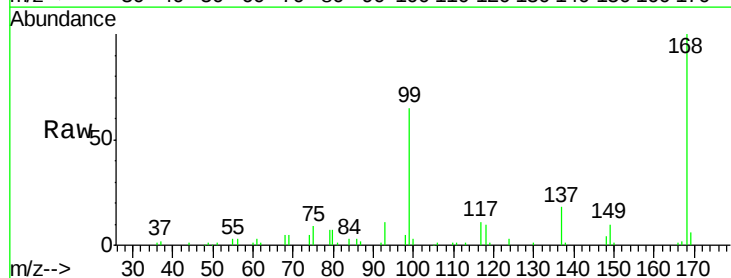
Tgt Ion: 56 Resp: 2331

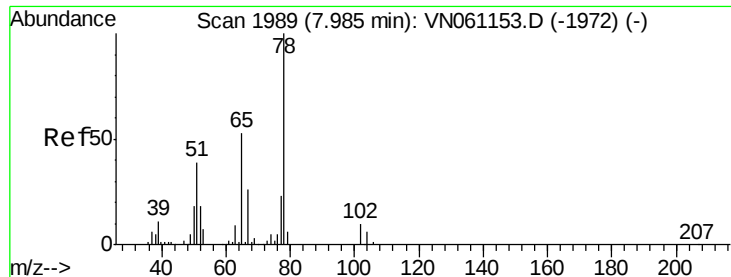
Ion Ratio Lower Upper

56 100

69 160.9 25.7 38.5#

84 99.2 64.6 97.0#

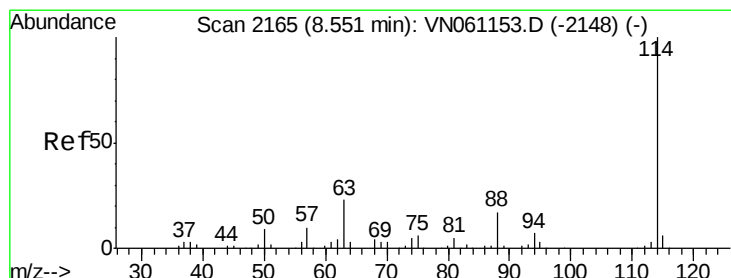
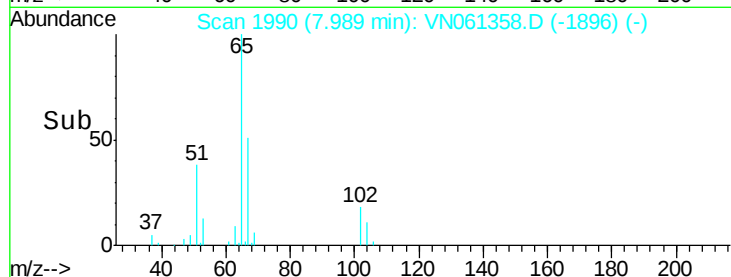
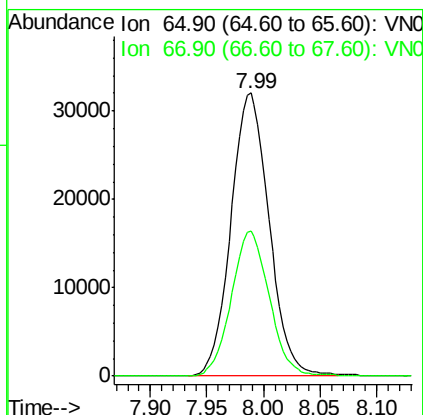
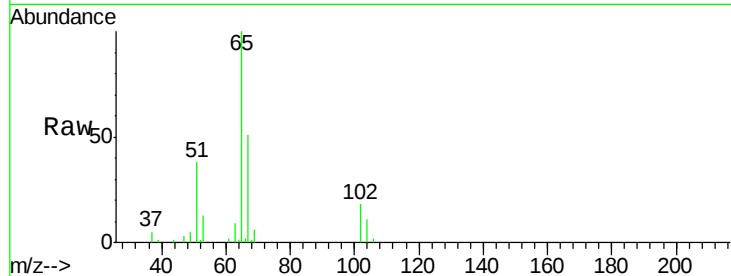




#33
 1,2-Dichloroethane-d4
 Concen: 53.062 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061358.D
 Acq: 8 May 2020 13:50

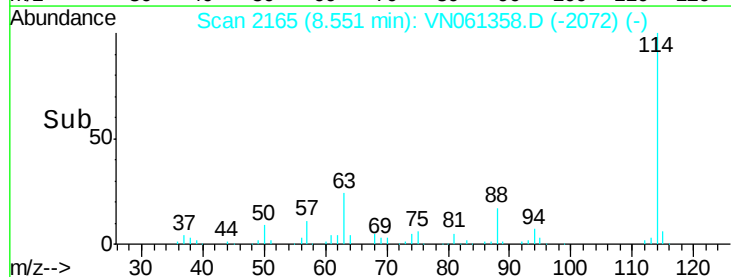
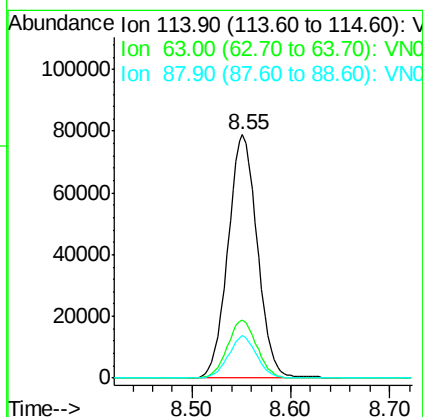
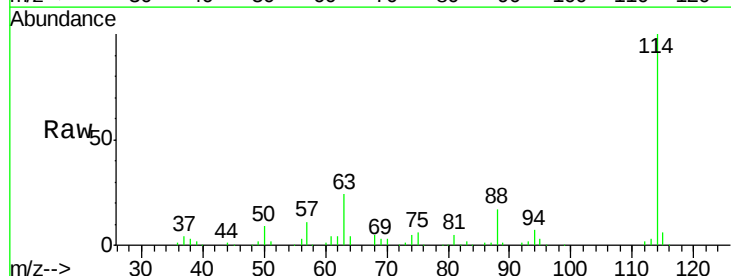
Instrument :
 MSVOA_N
 ClientSampleId :

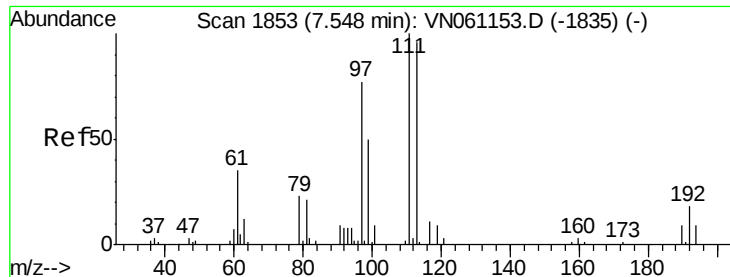
Tot Ion: 65 Resp: 75344
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061358.D
 Acq: 8 May 2020 13:50

Tgt Ion: 114 Resp: 163630
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 46.6
 88 17.5 0.0 33.4

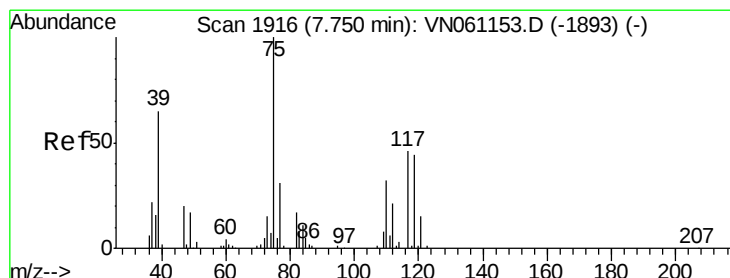
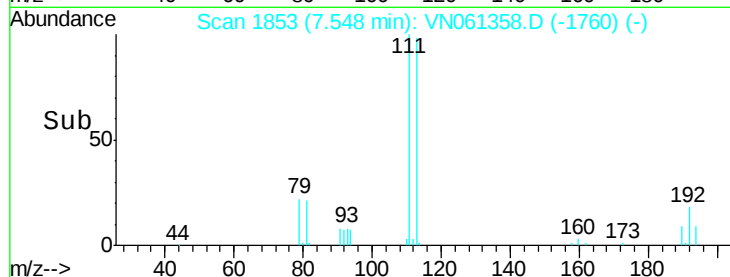
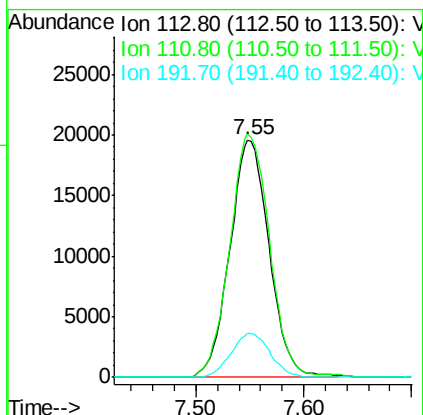
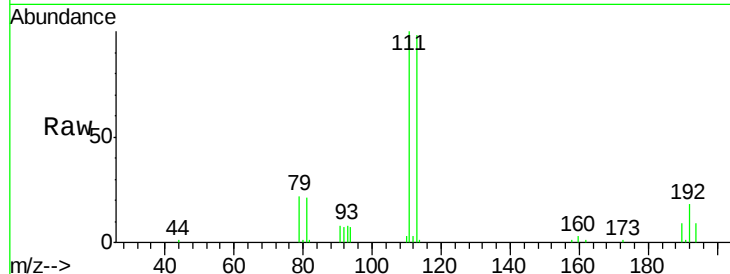




#35
 Dibromofluoromethane
 Concen: 51.351 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061358.D
 Acq: 8 May 2020 13:50

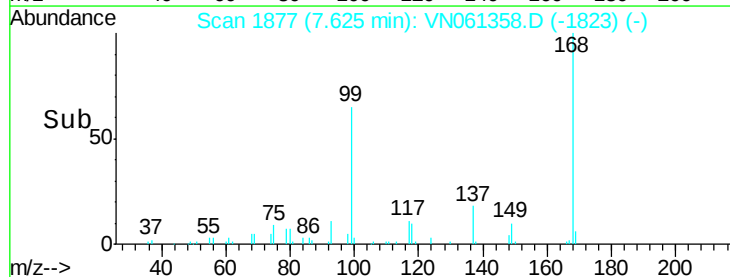
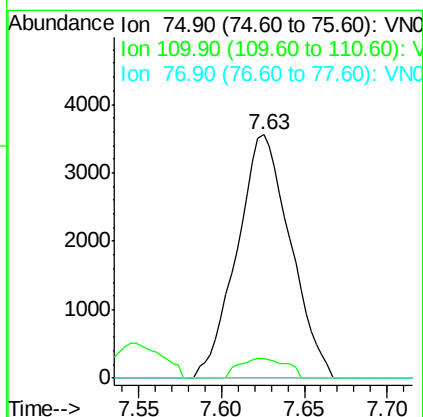
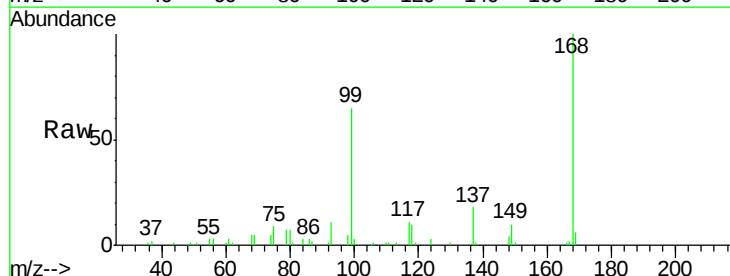
Instrument :
 MSVOA_N
 ClientSampled :

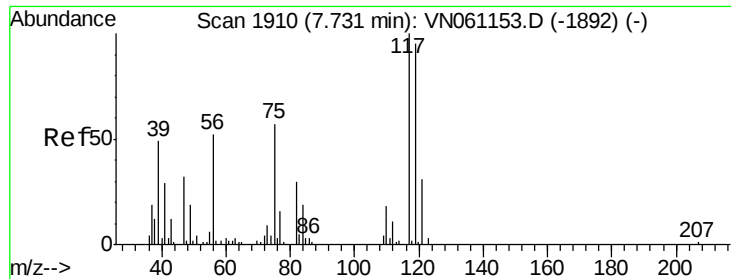
Tot Ion:113 Resp: 49686
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.9 124.3
 192 18.4 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 4.855 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061358.D
 Acq: 8 May 2020 13:50

Tgt Ion: 75 Resp: 7953
 Ion Ratio Lower Upper
 75 100
 110 7.2 16.0 48.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 8.534 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. -0.10 min

Lab File: VN061358.D

Acq: 8 May 2020 13:50

Instrument :

MSVOA_N

ClientSampled :

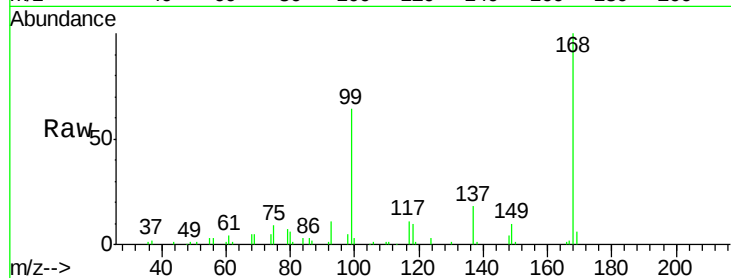
Tot Ion:117 Resp: 9784

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

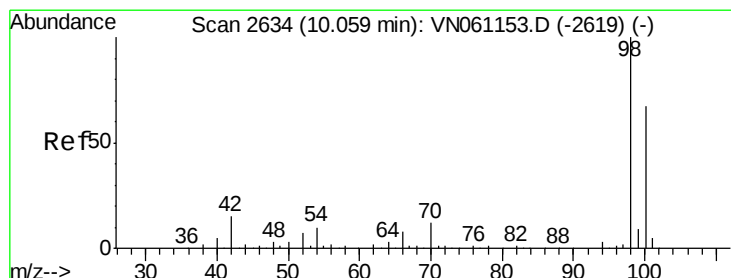
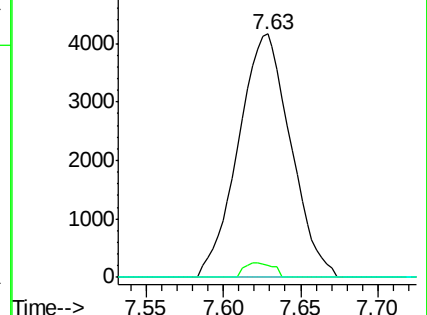
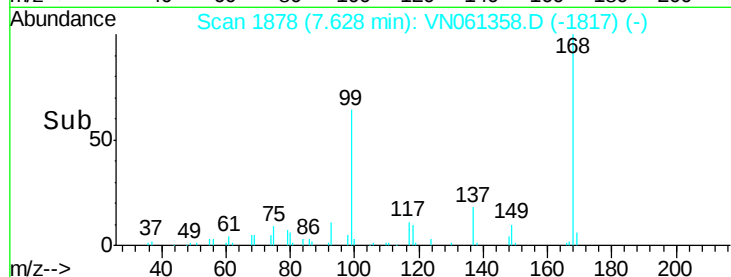
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 51.075 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061358.D

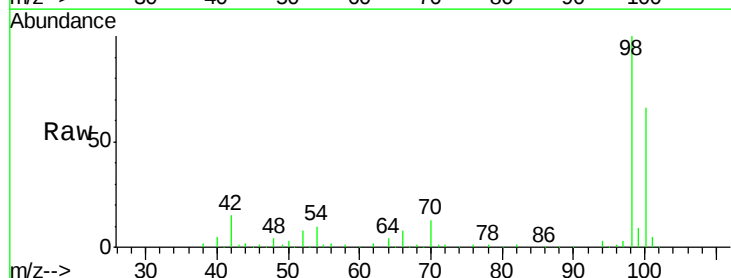
Acq: 8 May 2020 13:50

Tgt Ion: 98 Resp: 201457

Ion Ratio Lower Upper

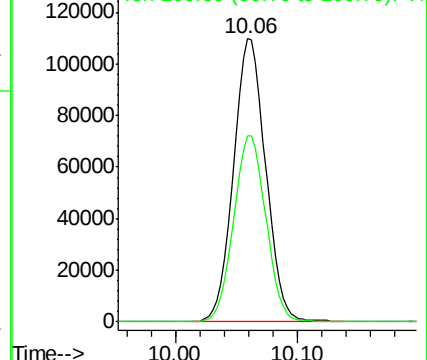
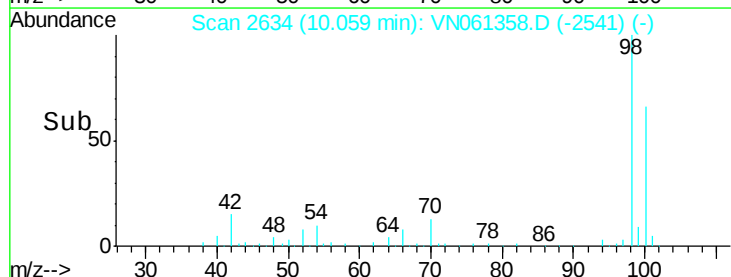
98 100

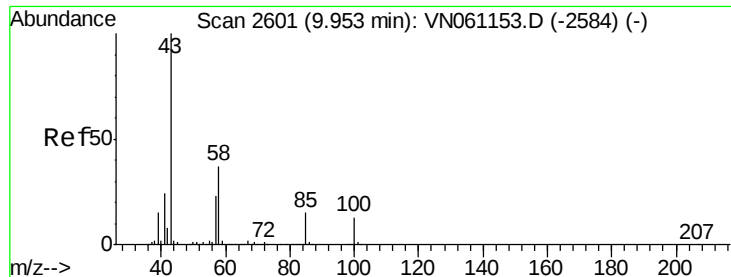
100 66.0 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

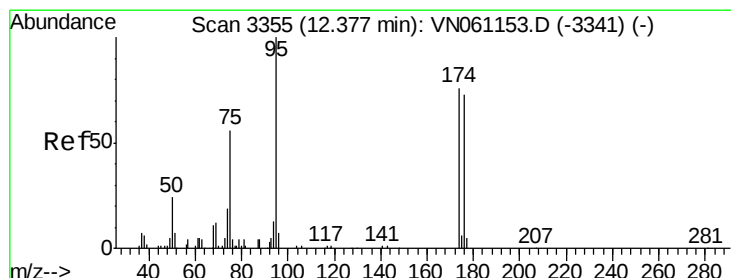
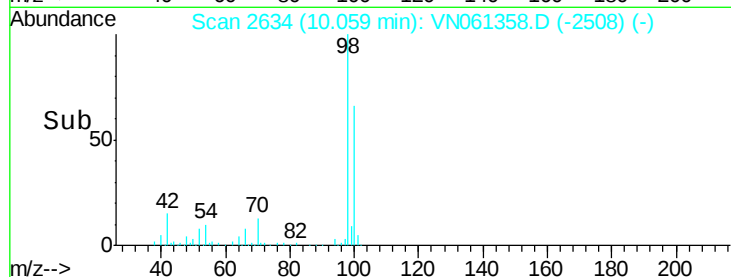
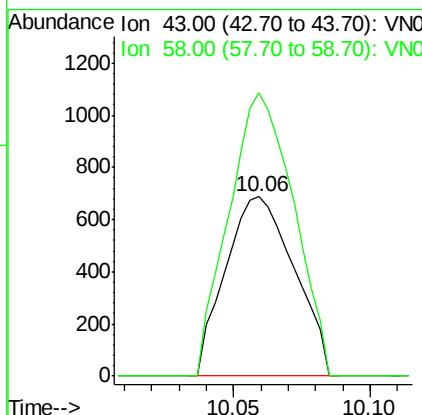
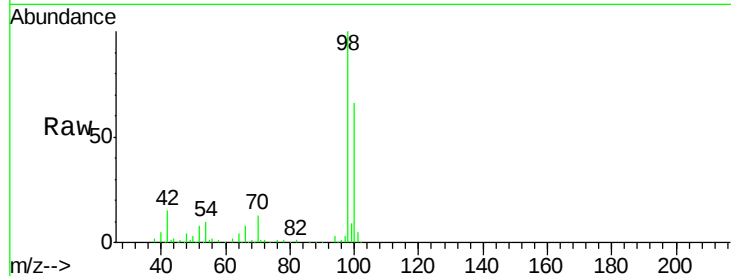




#51
 4-Methyl-2-Pentanone
 Concen: 0.643 ug/l
 RT: 10.06 min Scan# 2634
 Delta R.T. 0.11 min
 Lab File: VN061358.D
 Acq: 8 May 2020 13:50

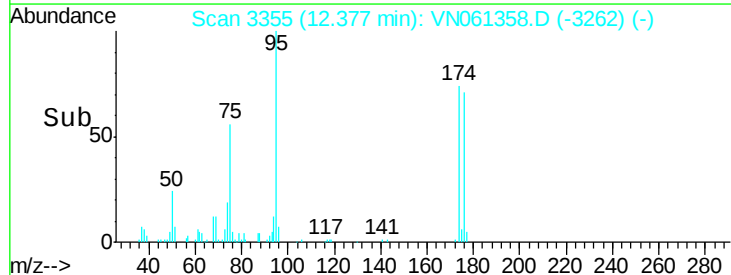
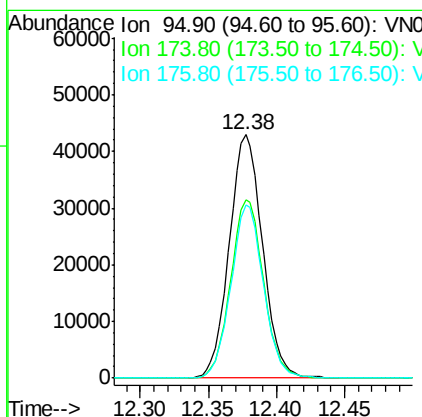
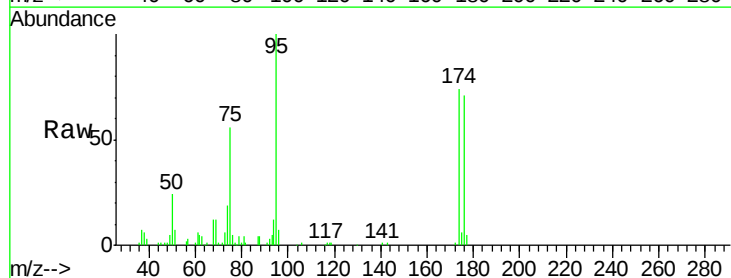
Instrument :
 MSVOA_N
 ClientSampleId :

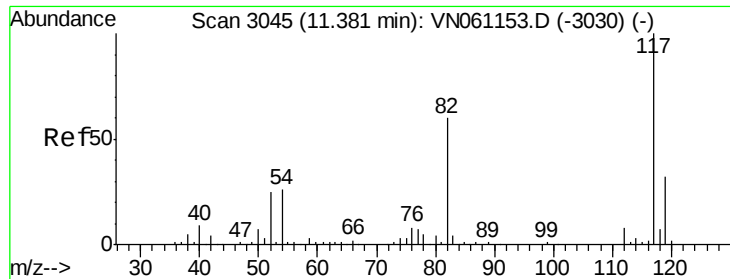
Tot Ion: 43 Resp: 1206
 Ion Ratio Lower Upper
 43 100
 58 148.6 29.1 43.7#



#62
 4-Bromofluorobenzene
 Concen: 49.042 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061358.D
 Acq: 8 May 2020 13:50

Tgt Ion: 95 Resp: 72794
 Ion Ratio Lower Upper
 95 100
 174 72.3 0.0 149.4
 176 69.3 0.0 144.8

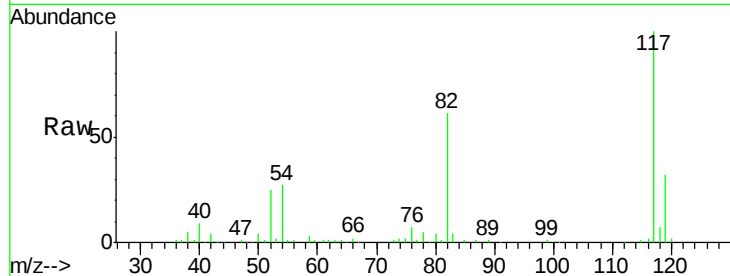




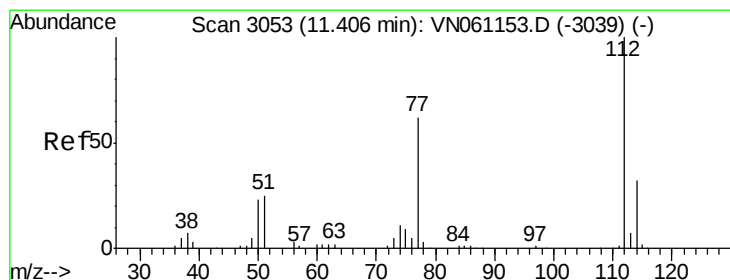
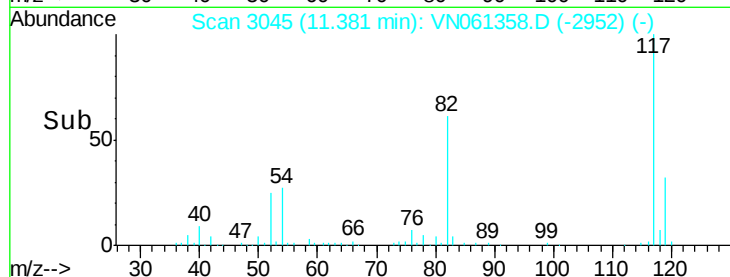
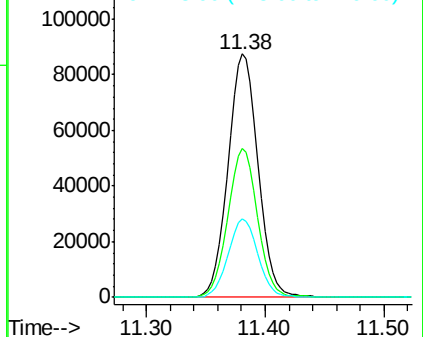
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061358.D
Acq: 8 May 2020 13:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 152747
Ion Ratio Lower Upper
117 100
82 61.0 47.8 71.8
119 32.3 25.8 38.6

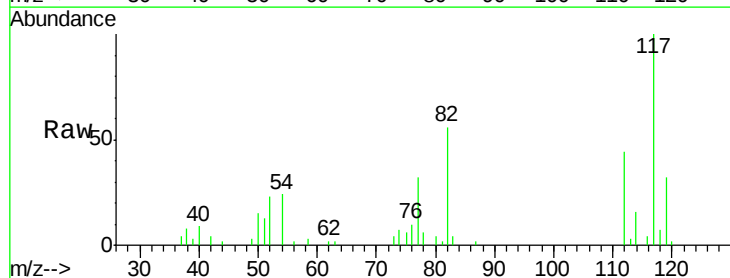


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

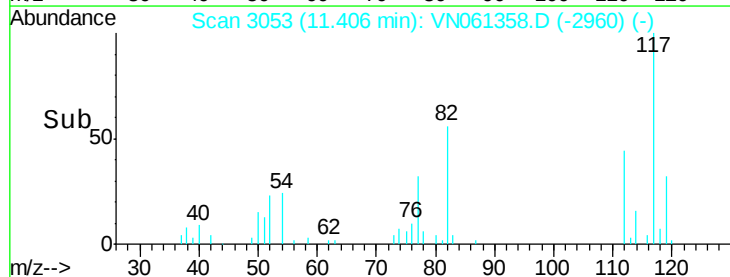
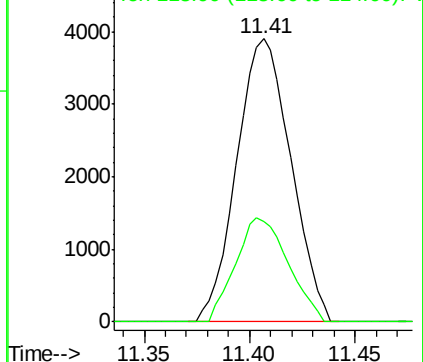


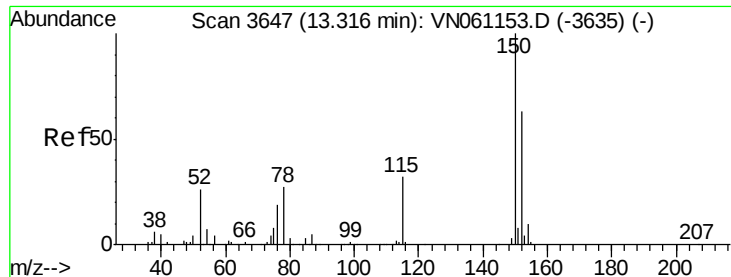
#65
Chlorobenzene
Concen: 2.301 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061358.D
Acq: 8 May 2020 13:50

Tgt Ion:112 Resp: 6973
Ion Ratio Lower Upper
112 100
114 35.7 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061358.D

Acq: 8 May 2020 13:50

Instrument :

MSVOA_N

ClientSampled :

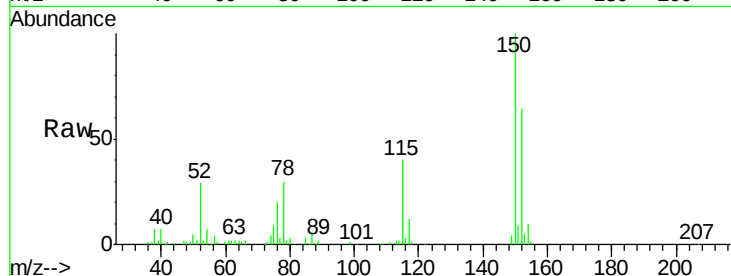
Tot Ion:152 Resp: 64890

Ion Ratio Lower Upper

152 100

115 63.2 31.0 93.0

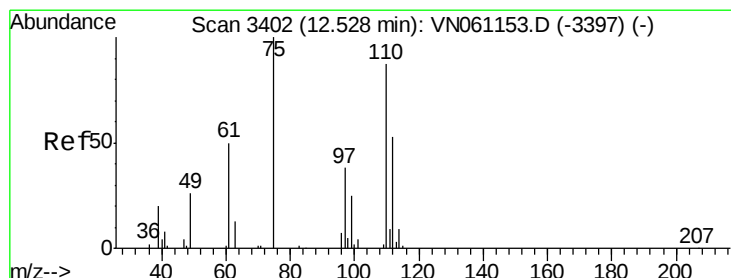
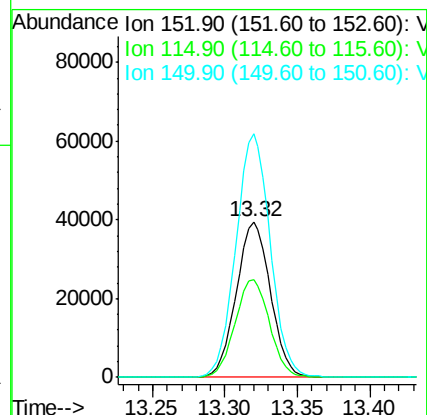
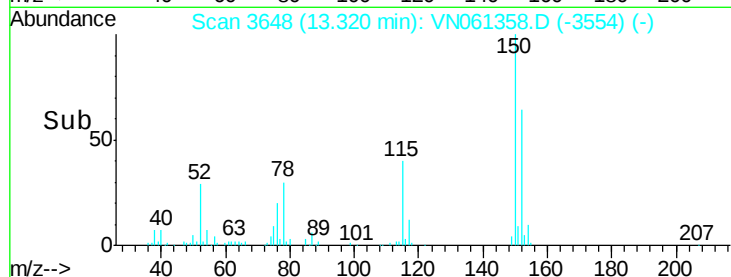
150 156.8 0.0 351.8



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: 29.500 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061358.D

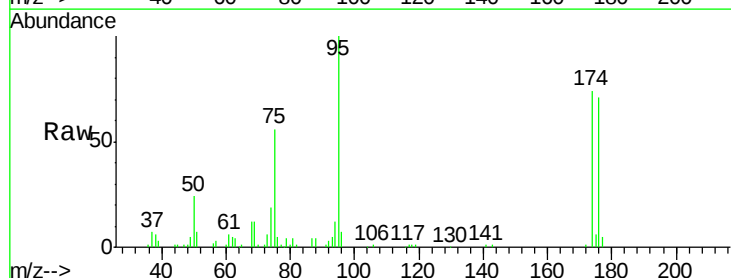
Acq: 8 May 2020 13:50

Tgt Ion: 75 Resp: 40358

Ion Ratio Lower Upper

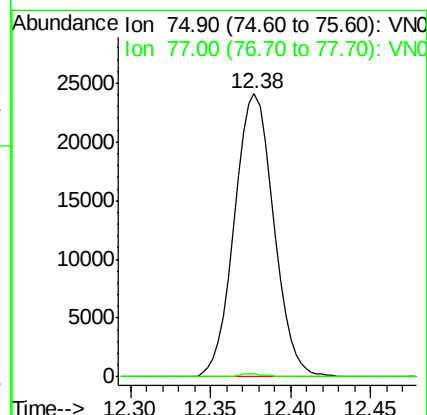
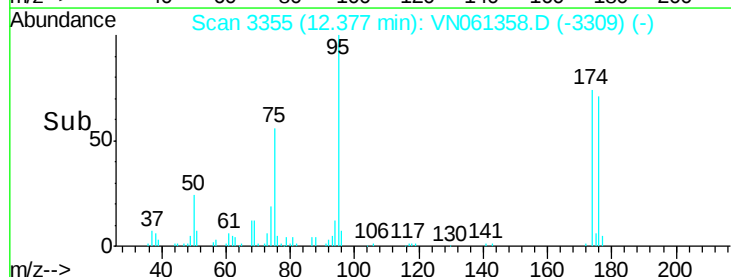
75 100

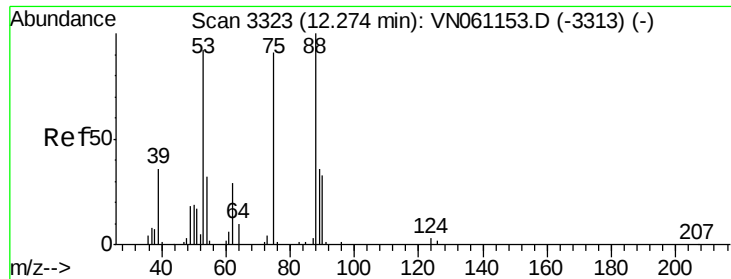
77 0.7 0.0 0.0#



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: 74.915 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061358.D

Acq: 8 May 2020 13:50

Instrument :

MSVOA_N

ClientSampled :

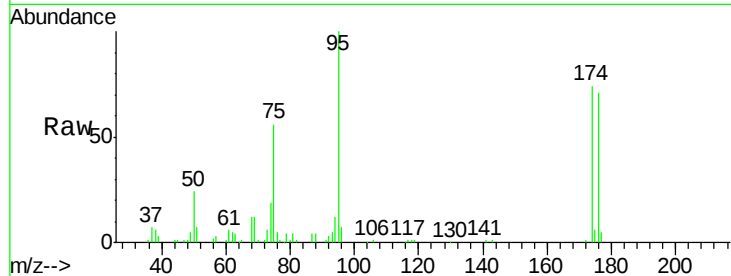
Tot Ion: 75 Resp: 40358

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

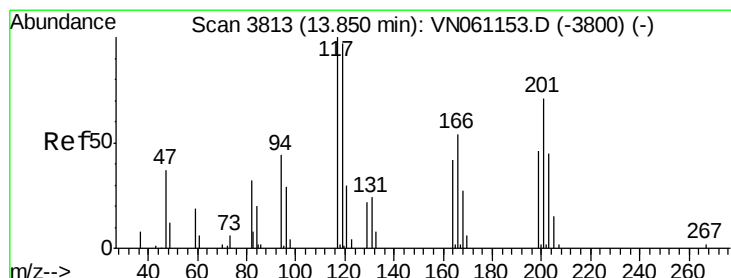
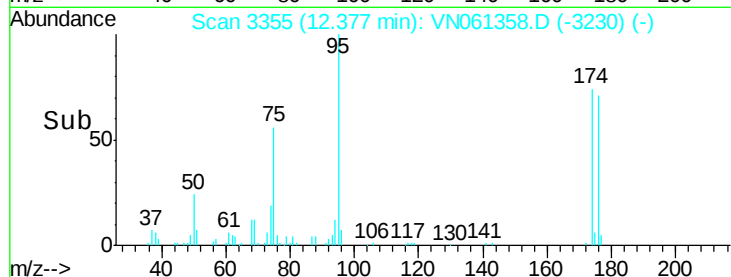
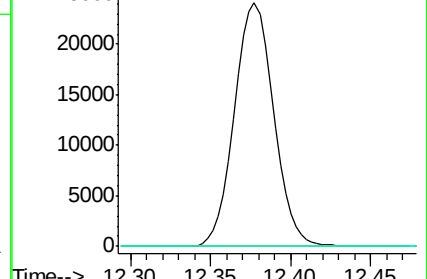
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3313) (-)

Ion 53.00 (52.70 to 53.70): VN061153.D (-3313) (-)

Ion 88.90 (88.60 to 89.60): VN061153.D (-3313) (-)



#90

Hexachloroethane

Concen: 7.829 ug/l

RT: 13.92 min Scan# 3835

Delta R.T. 0.07 min

Lab File: VN061358.D

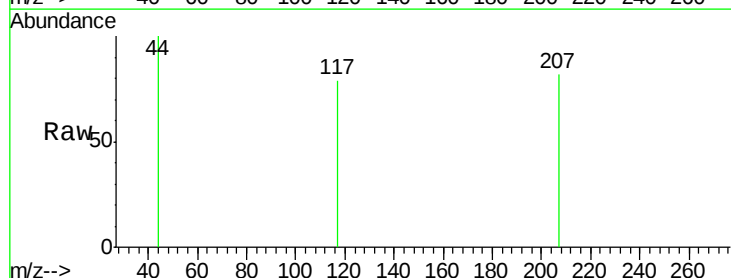
Acq: 8 May 2020 13:50

Tgt Ion: 117 Resp: 102

Ion Ratio Lower Upper

117 100

201 0.0 35.5 106.7#



Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-3800) (-)

Ion 200.70 (200.40 to 201.40): VN061153.D (-3800) (-)

