

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061374.D
 Acq On : 8 May 2020 20:01
 Operator : JC/MD
 Sample : L2495-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 09 00:50:22 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

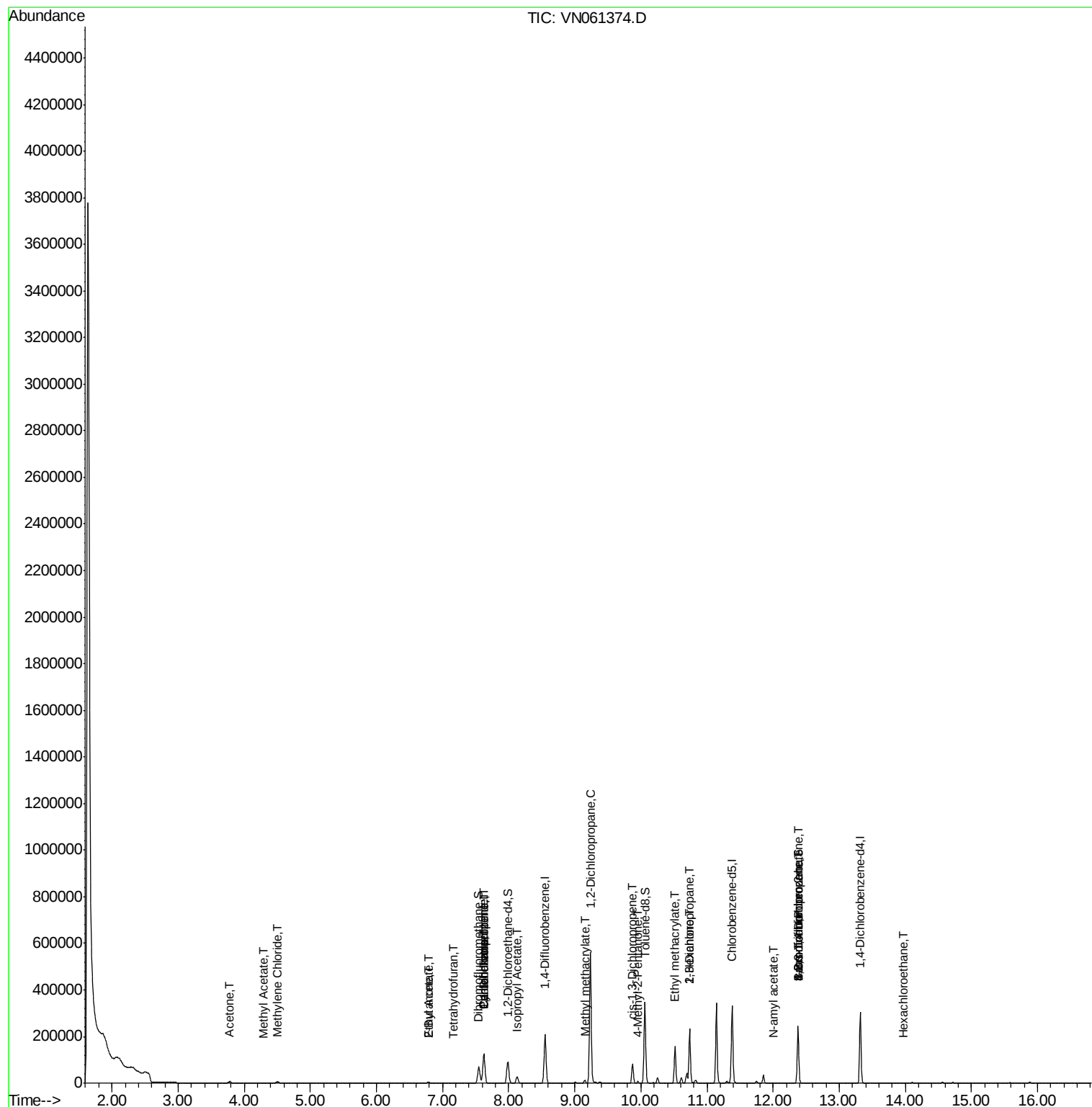
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	93589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	173056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	174802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	74575	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	81595	55.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.20%	
35) Dibromofluoromethane	7.55	113	52388	51.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.38%	
50) Toluene-d8	10.06	98	223481	53.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.38	95	83399	53.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.26%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	11323	14.568	ug/l	98
18) Methyl Acetate	4.29	43	1210	1.318	ug/l #	55
20) Methylene Chloride	4.50	84	4466	3.868	ug/l	96
25) 2-Butanone	6.80	43	2316	2.643	ug/l	98
29) Tetrahydrofuran	7.17	42	279	0.473	ug/l #	37
31) Cyclohexane	7.63	56	2454	1.139	ug/l #	9
36) 1,1-Dichloropropene	7.63	75	8483	4.897	ug/l #	50
37) Ethyl Acetate	6.80	43	2316	1.140	ug/l #	71
38) Carbon Tetrachloride	7.62	117	9931	8.282	ug/l #	17
43) Isopropyl Acetate	8.13	43	33778	10.022	ug/l #	91
45) 1,2-Dichloropropane	9.23	63	540	0.392	ug/l #	44
48) Methyl methacrylate	9.15	41	1853	1.218	ug/l #	16
51) 4-Methyl-2-Pentanone	9.95	43	4205	2.120	ug/l	99
54) cis-1,3-Dichloropropene	9.88	75	12932	5.924	ug/l #	63
56) Ethyl methacrylate	10.51	69	592	2.986	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2175	0.998	ug/l #	43
59) 2-Hexanone	10.74	43	35725	24.751	ug/l #	53
71) Bromoform	12.37	173	372	0.408	ug/l #	1
74) N-amyl acetate	12.00	43	2286	0.823	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	45980	29.245	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	45980	74.267	ug/l #	8
90) Hexachloroethane	13.97	117	429	8.368	ug/l #	14

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061374.D

Acq: 8 May 2020 20:01

Instrument :

MSVOA_N

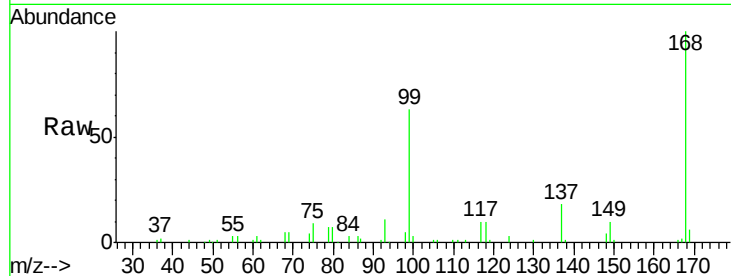
ClientSampled :

Tot Ion:168 Resp: 93589

Ion Ratio Lower Upper

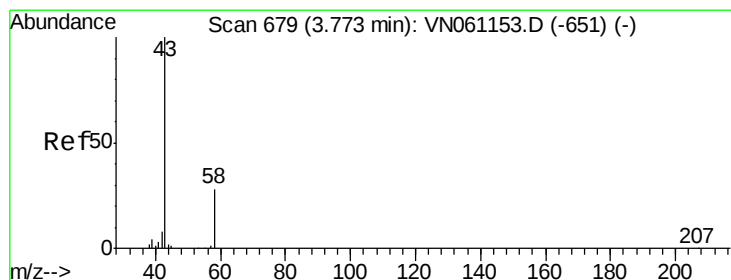
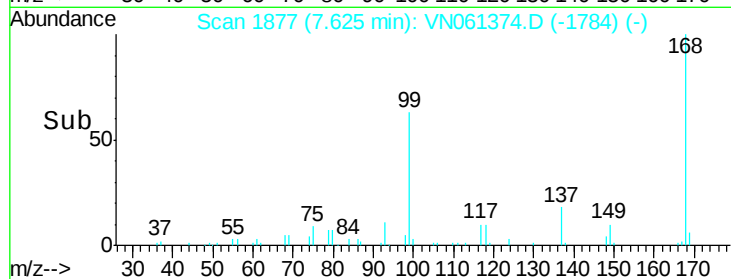
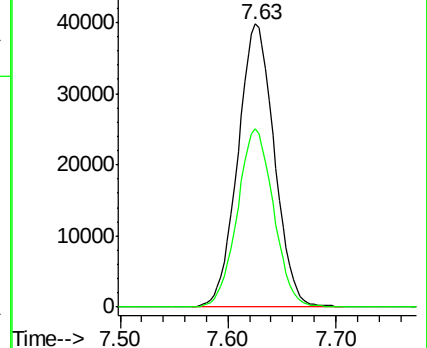
168 100

99 63.0 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 14.568 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061374.D

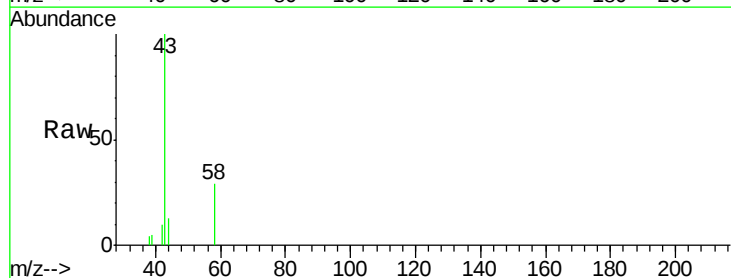
Acq: 8 May 2020 20:01

Tgt Ion: 43 Resp: 11323

Ion Ratio Lower Upper

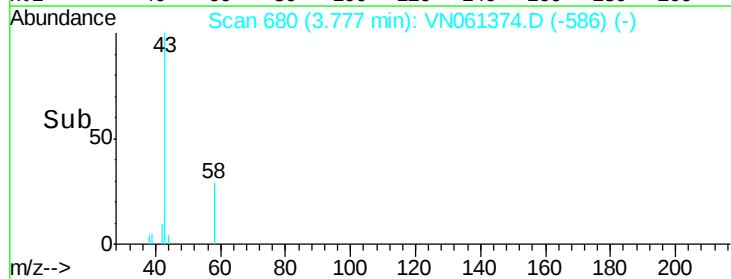
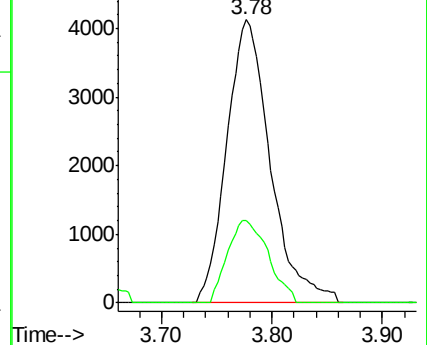
43 100

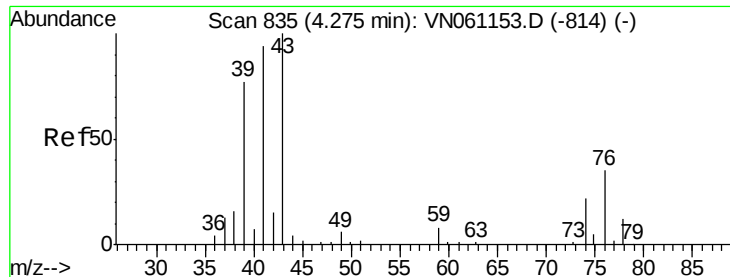
58 29.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

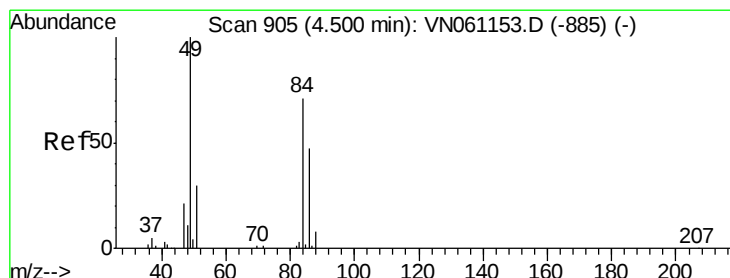
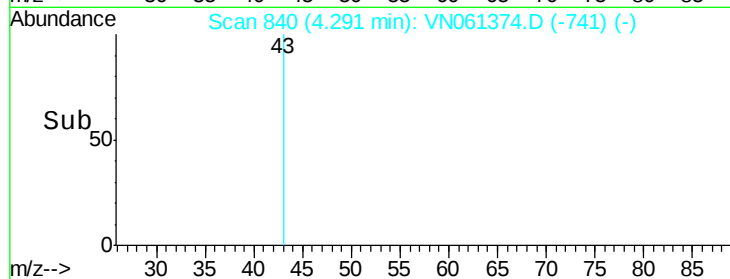
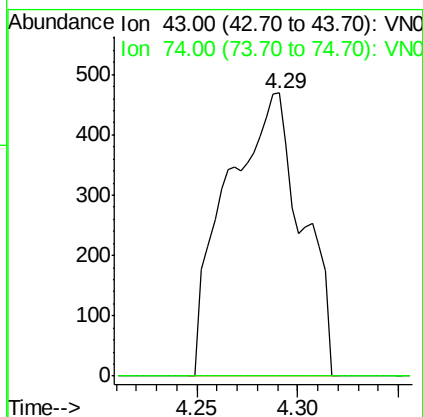
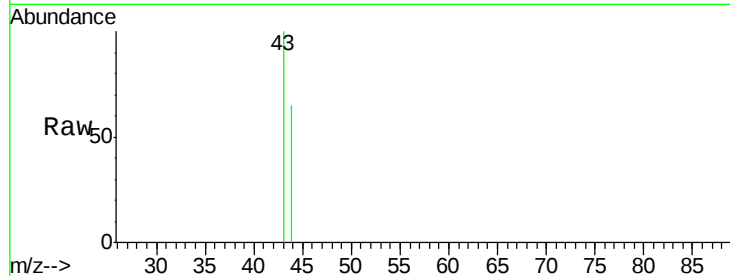




#18
Methyl Acetate
Concen: 1.318 ug/l
RT: 4.29 min Scan# 840
Delta R.T. 0.02 min
Lab File: VN061374.D
Acq: 8 May 2020 20:01

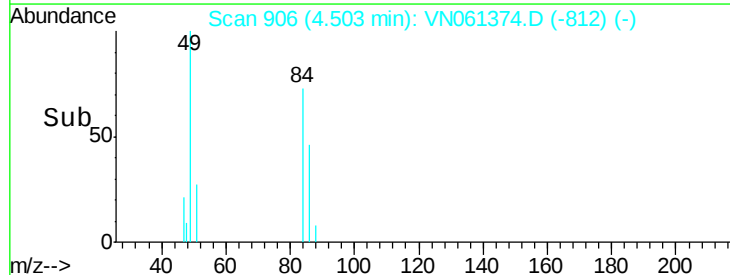
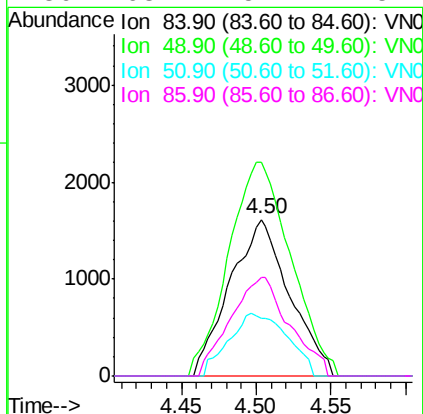
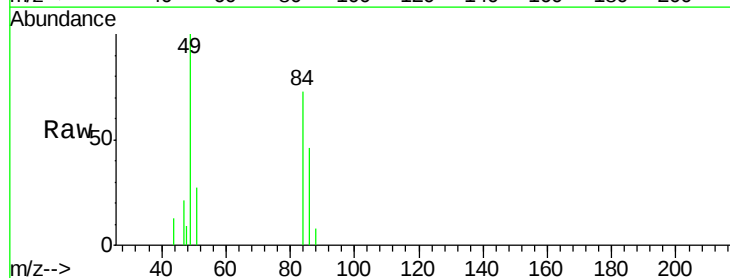
Instrument :
MSVOA_N
ClientSampled :

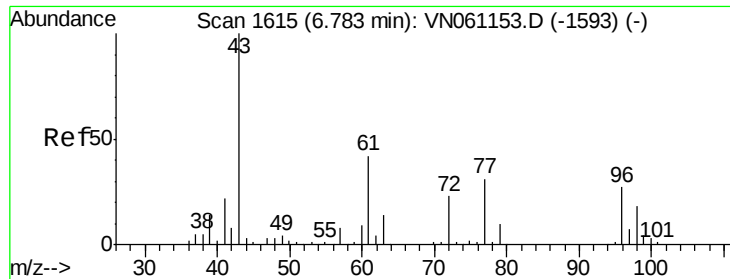
Tot Ion: 43 Resp: 1210
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: 3.868 ug/l
RT: 4.50 min Scan# 906
Delta R.T. 0.00 min
Lab File: VN061374.D
Acq: 8 May 2020 20:01

Tgt Ion: 84 Resp: 4466
Ion Ratio Lower Upper
84 100
49 136.4 112.0 168.0
51 37.2 33.6 50.4
86 63.1 52.1 78.1

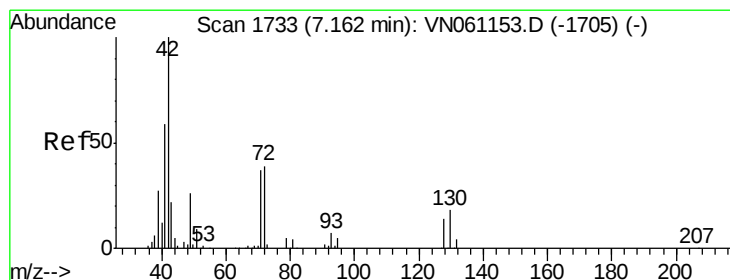
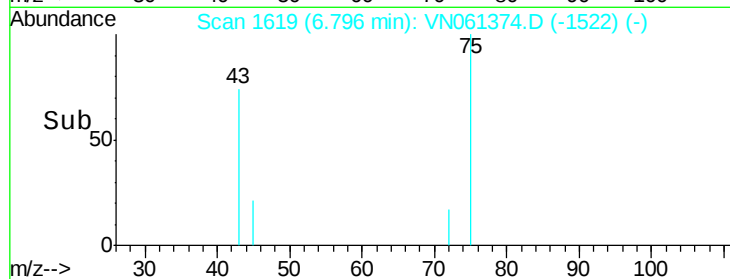
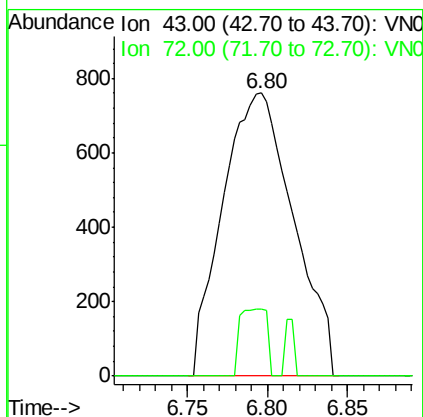
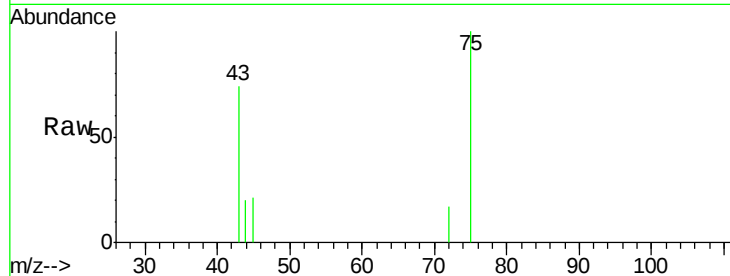




#25
2-Butanone
Concen: 2.643 ug/l
RT: 6.80 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VN061374.D
Acq: 8 May 2020 20:01

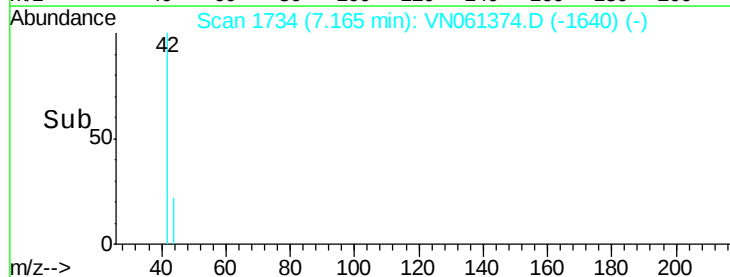
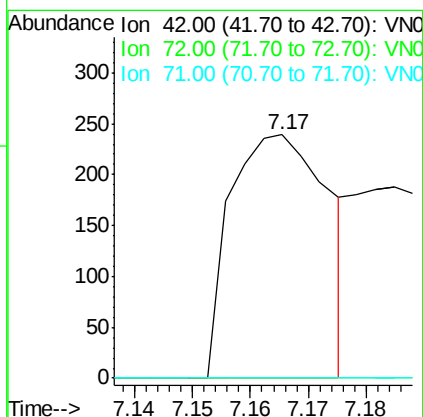
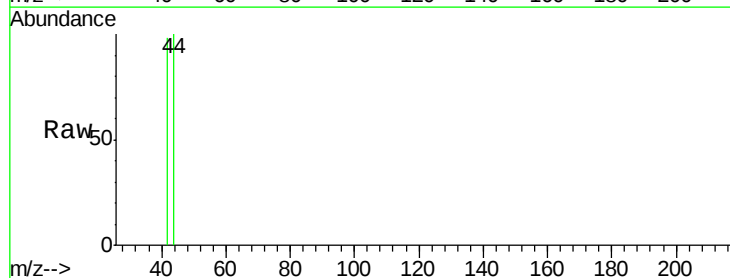
Instrument :
MSVOA_N
ClientSampleId :

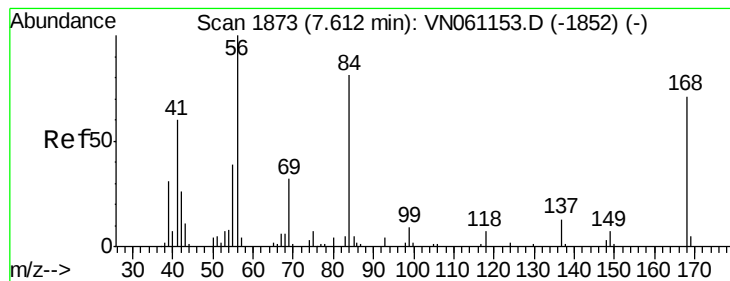
Tot Ion: 43 Resp: 2316
Ion Ratio Lower Upper
43 100
72 23.8 18.2 27.4



#29
Tetrahydrofuran
Concen: 0.473 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061374.D
Acq: 8 May 2020 20:01

Tgt Ion: 42 Resp: 279
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 0.0 29.5 44.3#





#31

Cyclohexane

Concen: 1.139 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. 0.02 min

Lab File: VN061374.D

Acq: 8 May 2020 20:01

Instrument :

MSVOA_N

ClientSampled :

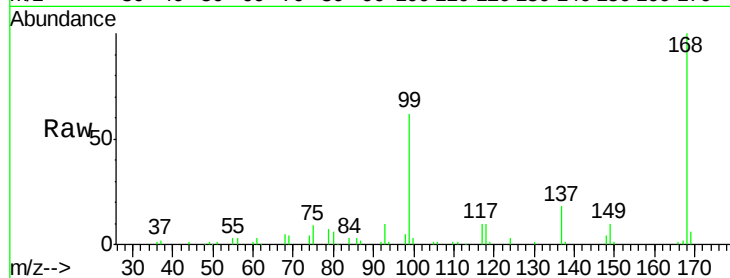
Tot Ion: 56 Resp: 2454

Ion Ratio Lower Upper

56 100

69 161.9 25.7 38.5#

84 112.2 64.6 97.0#

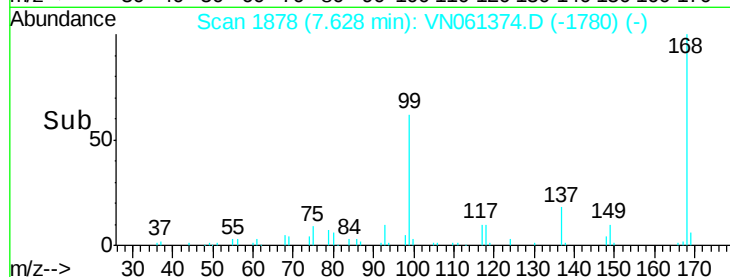


Abundance Ion 56.00 (55.70 to 56.70): VN061153.D (-1852) (-)

Ion 69.00 (68.70 to 69.70): VN061153.D (-1852) (-)

Ion 84.00 (83.70 to 84.70): VN061153.D (-1852) (-)

Time-->

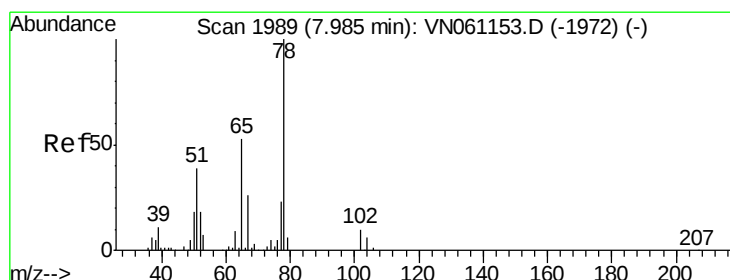


Abundance Ion 56.00 (55.70 to 56.70): VN061374.D (-1780) (-)

Ion 69.00 (68.70 to 69.70): VN061374.D (-1780) (-)

Ion 84.00 (83.70 to 84.70): VN061374.D (-1780) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.099 ug/l

RT: 7.99 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VN061374.D

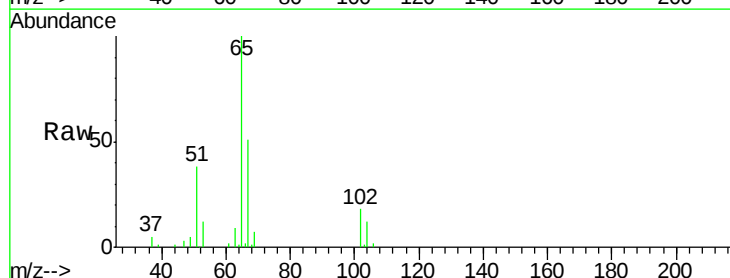
Acq: 8 May 2020 20:01

Tgt Ion: 65 Resp: 81595

Ion Ratio Lower Upper

65 100

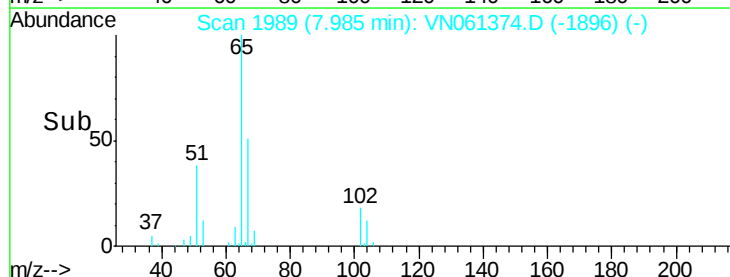
67 50.6 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN061153.D (-1972) (-)

Ion 66.90 (66.60 to 67.60): VN061153.D (-1972) (-)

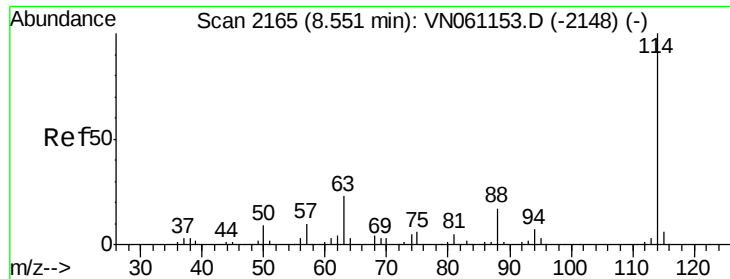
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN061374.D (-1896) (-)

Ion 66.90 (66.60 to 67.60): VN061374.D (-1896) (-)

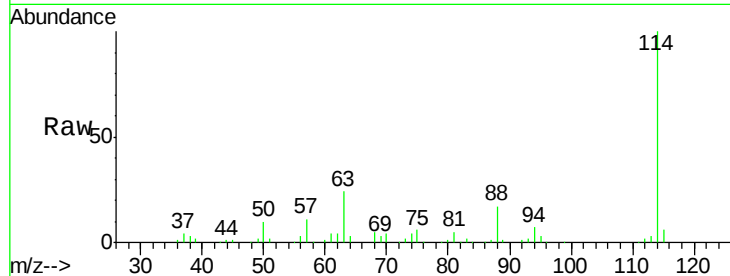
Time-->



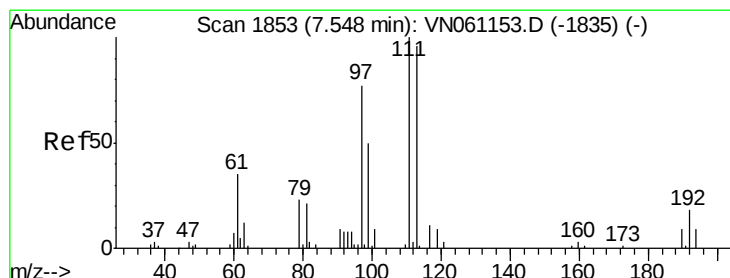
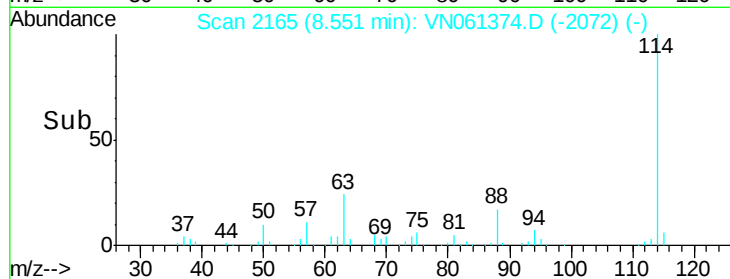
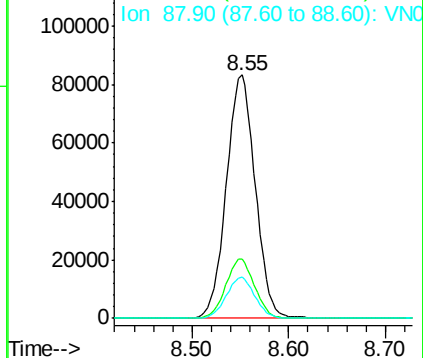
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061374.D
 Acq: 8 May 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 173056
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 46.6
 88 16.8 0.0 33.4

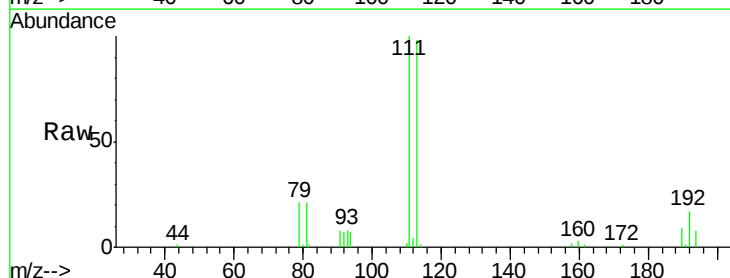


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

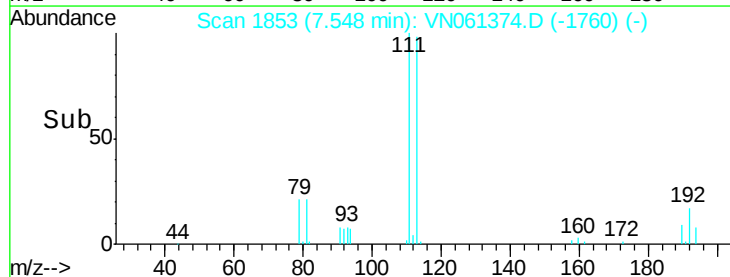
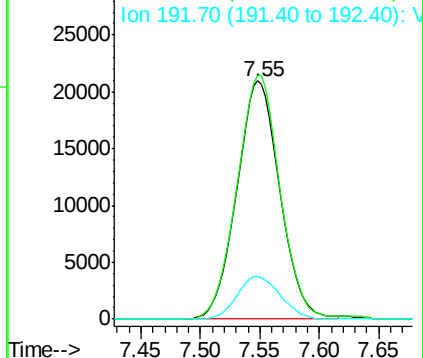


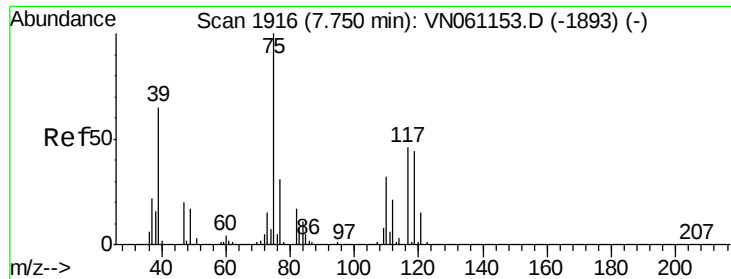
#35
 Dibromofluoromethane
 Concen: 51.194 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061374.D
 Acq: 8 May 2020 20:01

Tgt Ion:113 Resp: 52388
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.9 124.3
 192 17.8 14.7 22.1



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

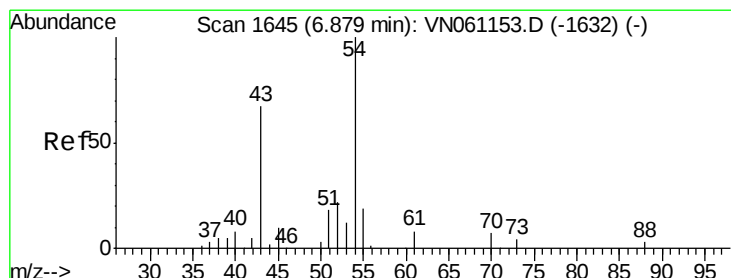
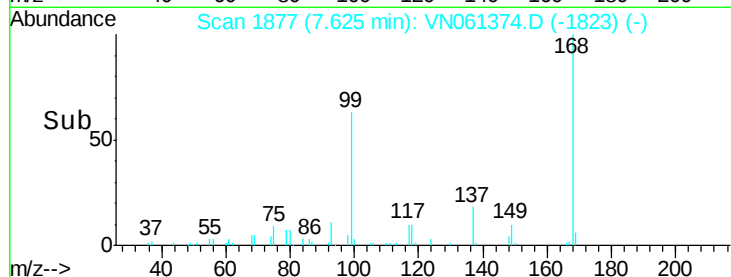
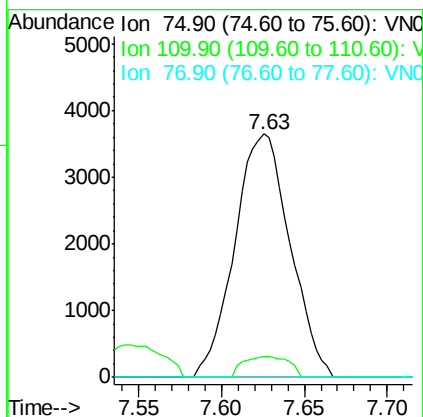
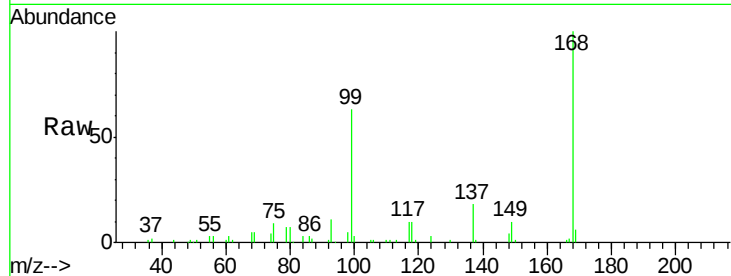




#36
 1,1-Dichloropropene
 Concen: 4.897 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061374.D
 Acq: 8 May 2020 20:01

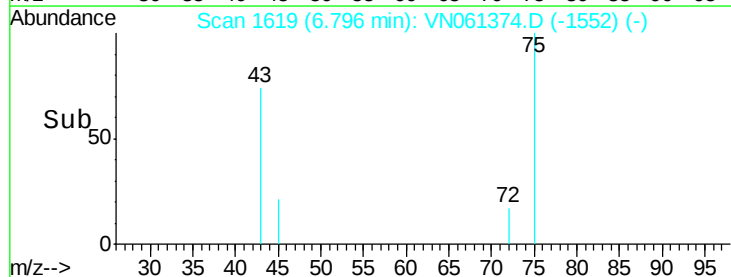
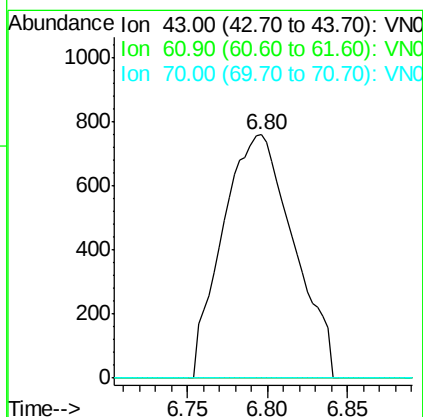
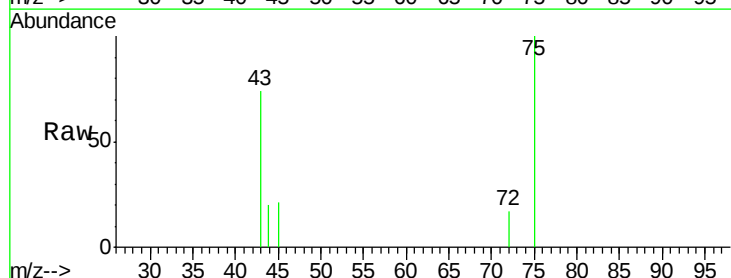
Instrument :
 MSVOA_N
 ClientSampleId :

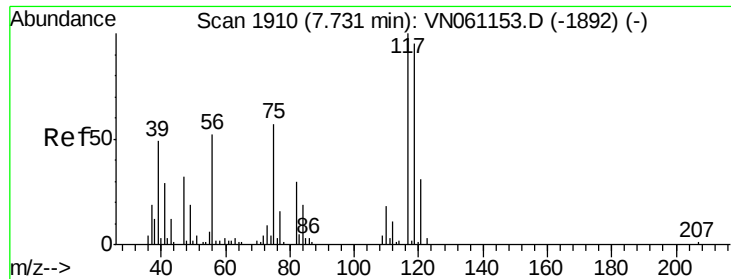
Tot Ion: 75 Resp: 8483
 Ion Ratio Lower Upper
 75 100
 110 7.1 16.0 48.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 1.140 ug/l
 RT: 6.80 min Scan# 1619
 Delta R.T. -0.08 min
 Lab File: VN061374.D
 Acq: 8 May 2020 20:01

Tgt Ion: 43 Resp: 2316
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.2#
 70 0.0 7.2 10.8#

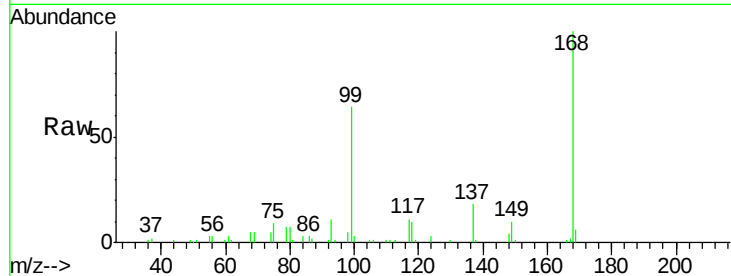




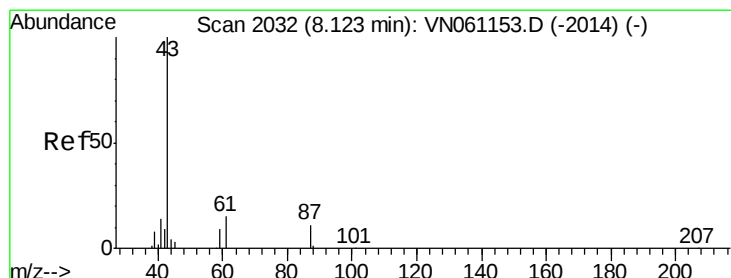
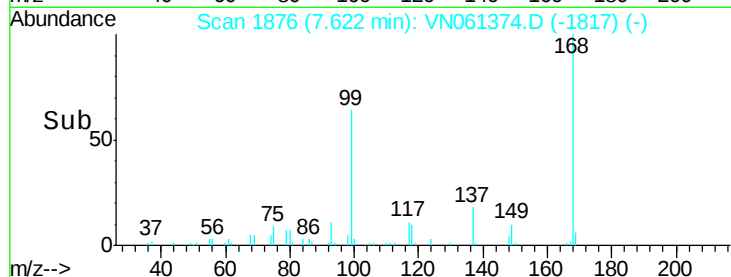
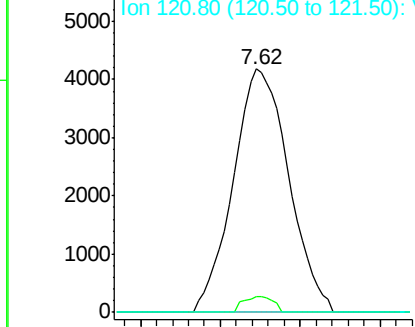
#38
Carbon Tetrachloride
Concen: 8.282 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. -0.11 min
Lab File: VN061374.D
Acq: 8 May 2020 20:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 9931
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.6#
121 0.0 24.7 37.1#

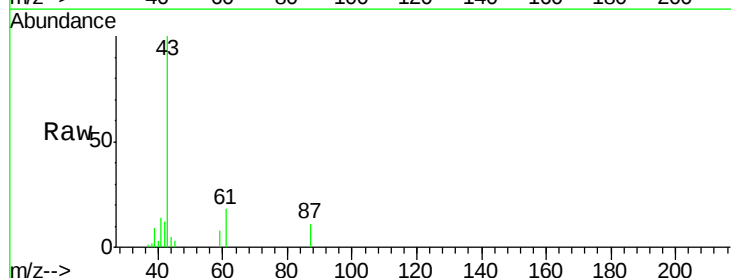


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

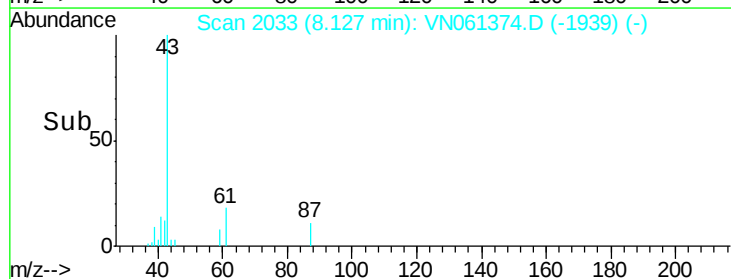
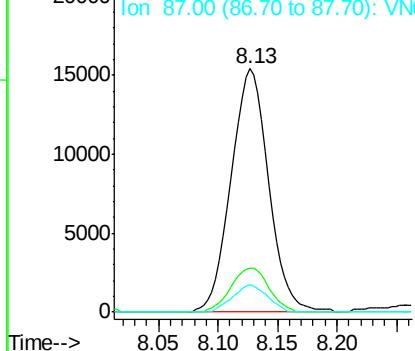


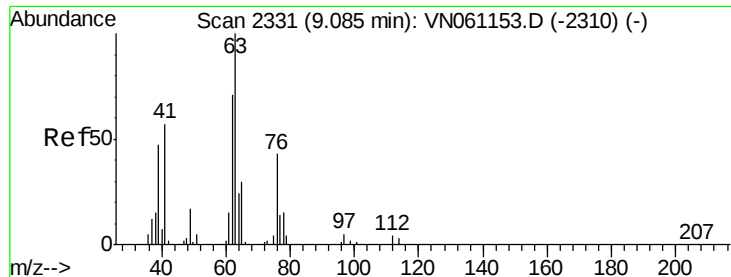
#43
Isopropyl Acetate
Concen: 10.022 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN061374.D
Acq: 8 May 2020 20:01

Tgt Ion: 43 Resp: 33778
Ion Ratio Lower Upper
43 100
61 18.2 19.5 29.3#
87 10.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.392 ug/l

RT: 9.23 min Scan# 2377

Delta R.T. 0.15 min

Lab File: VN061374.D

Acq: 8 May 2020 20:01

Instrument :

MSVOA_N

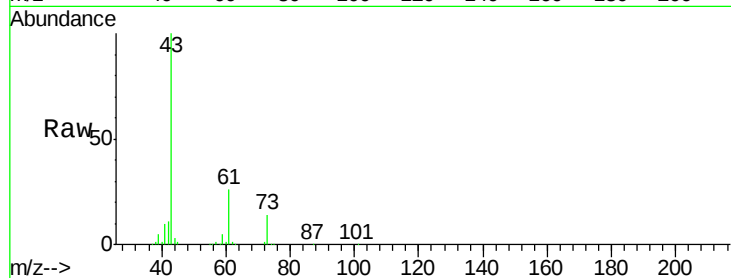
ClientSampled :

Tot Ion: 63 Resp: 540

Ion Ratio Lower Upper

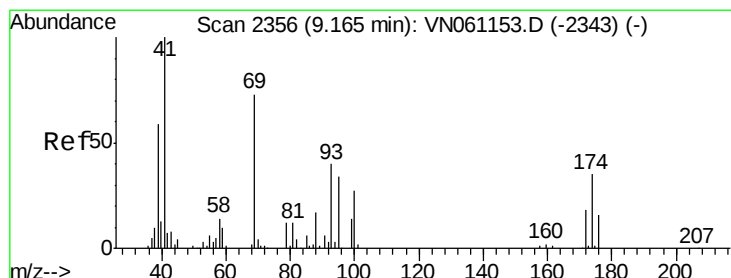
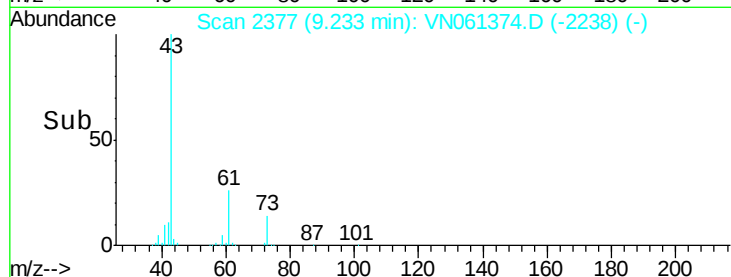
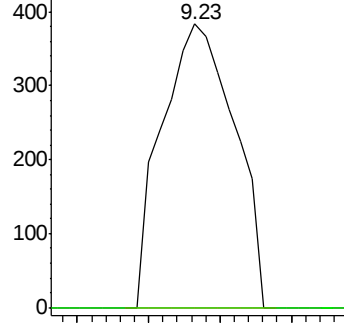
63 100

65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#48

Methyl methacrylate

Concen: 1.218 ug/l

RT: 9.15 min Scan# 2350

Delta R.T. -0.02 min

Lab File: VN061374.D

Acq: 8 May 2020 20:01

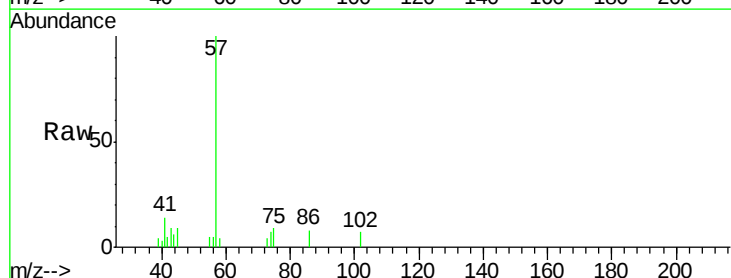
Tgt Ion: 41 Resp: 1853

Ion Ratio Lower Upper

41 100

69 0.0 60.3 90.5#

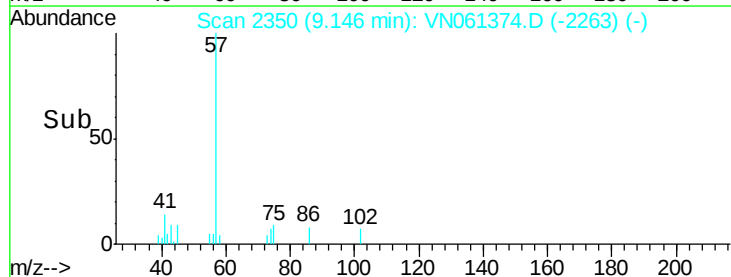
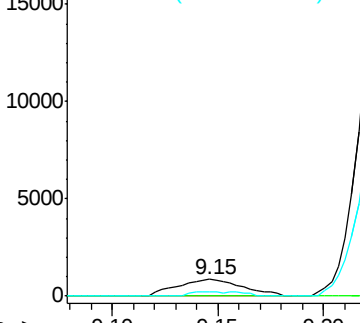
39 0.0 47.4 71.0#

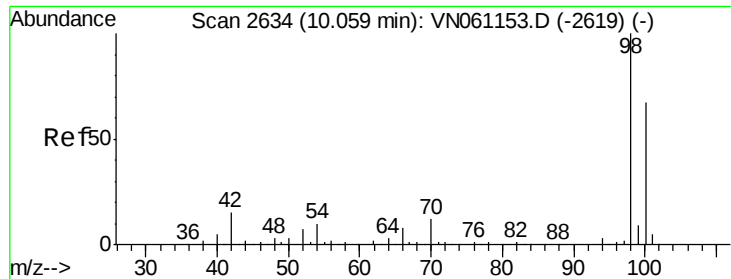


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

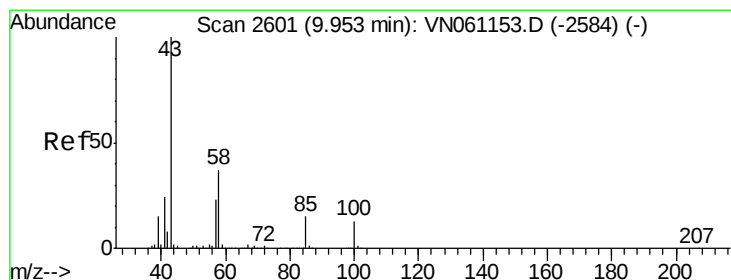
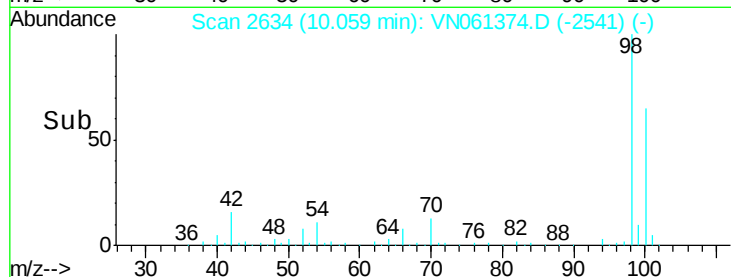
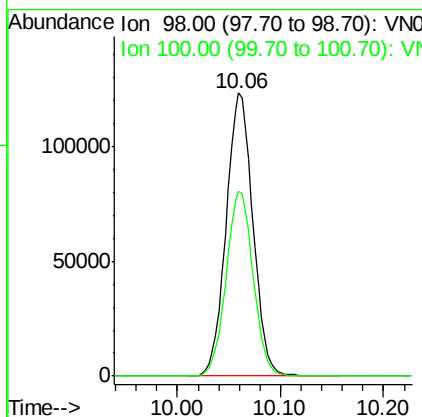
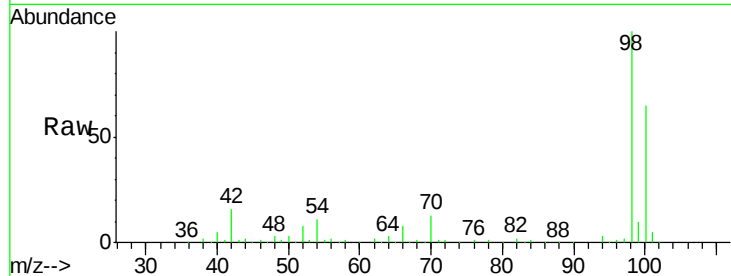




#50
Toluene-d8
Concen: 53.572 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061374.D
Acq: 8 May 2020 20:01

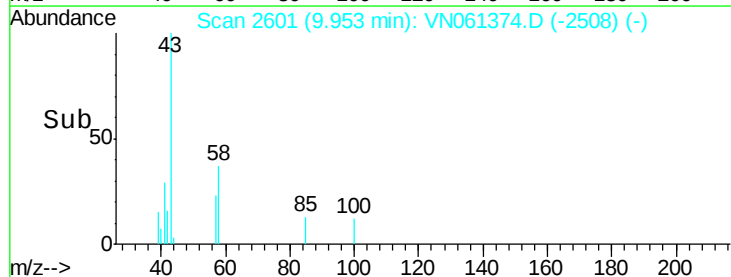
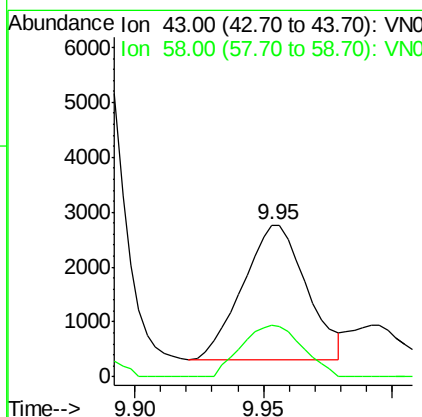
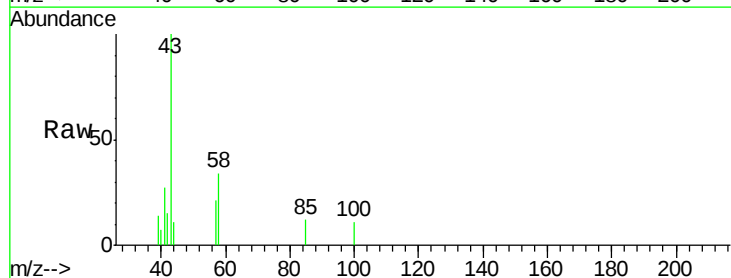
Instrument :
MSVOA_N
ClientSampled :

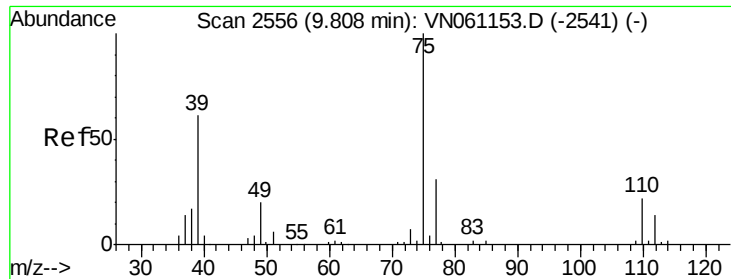
Tot Ion: 98 Resp: 223481
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 2.120 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061374.D
Acq: 8 May 2020 20:01

Tgt Ion: 43 Resp: 4205
Ion Ratio Lower Upper
43 100
58 37.2 29.1 43.7



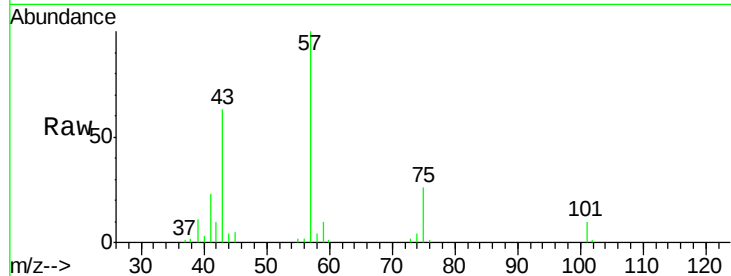


#54

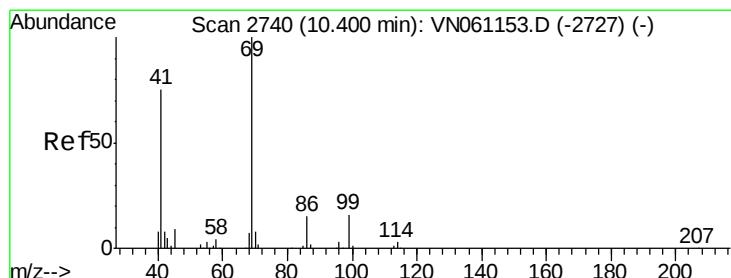
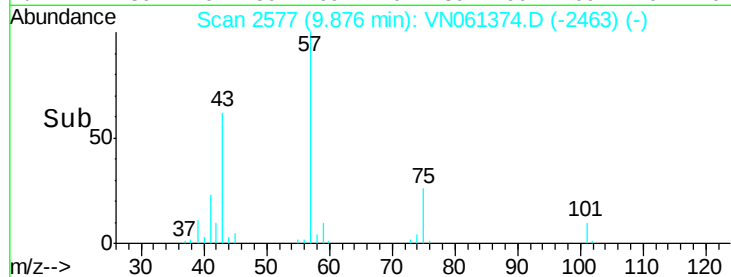
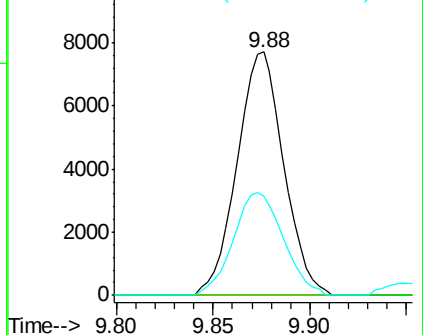
cis-1,3-Dichloropropene
Concen: 5.924 ug/l
RT: 9.88 min Scan# 2577
Delta R.T. 0.07 min
Lab File: VN061374.D
Acq: 8 May 2020 20:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 12932
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 40.5 48.7 73.1#



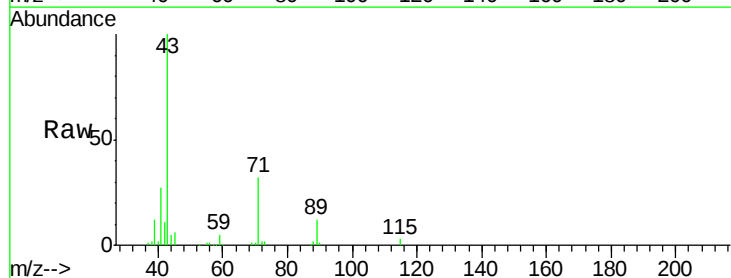
Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



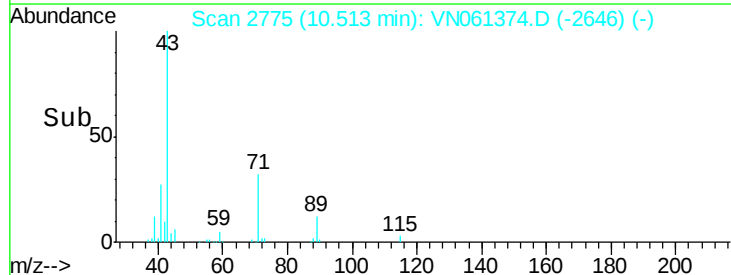
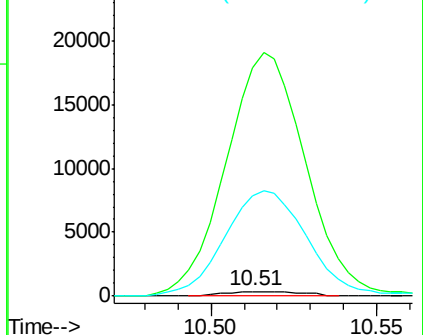
#56

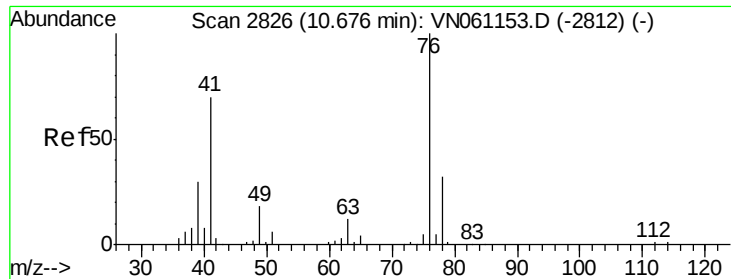
Ethyl methacrylate
Concen: 2.986 ug/l
RT: 10.51 min Scan# 2775
Delta R.T. 0.11 min
Lab File: VN061374.D
Acq: 8 May 2020 20:01

Tgt Ion: 69 Resp: 592
Ion Ratio Lower Upper
69 100
41 5406.6 60.3 90.5#
39 2419.8 35.9 53.9#



Abundance Ion 69.00 (68.70 to 69.70): VNO
Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

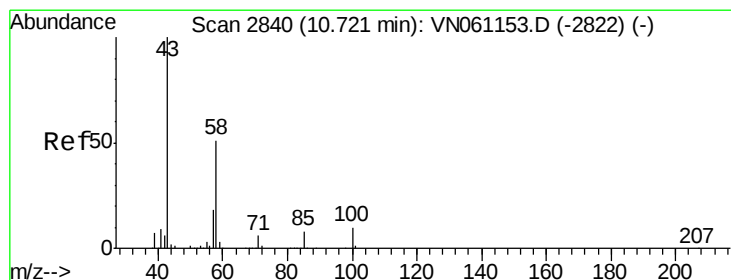
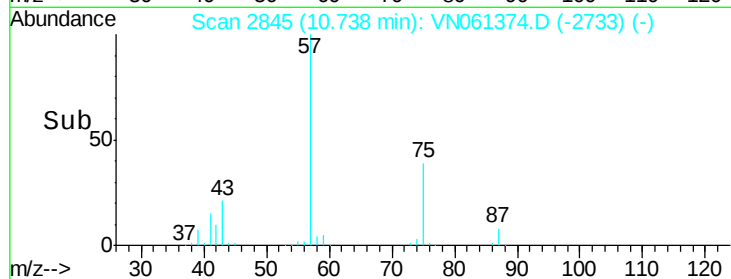
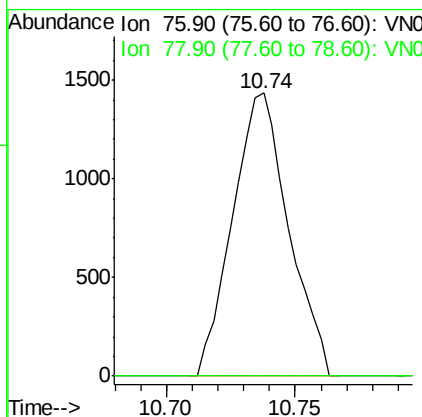
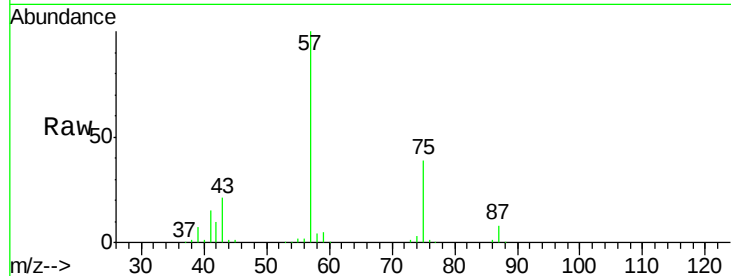




#57
 1,3-Dichloropropane
 Concen: 0.998 ug/l
 RT: 10.74 min Scan# 2845
 Delta R.T. 0.06 min
 Lab File: VN061374.D
 Acq: 8 May 2020 20:01

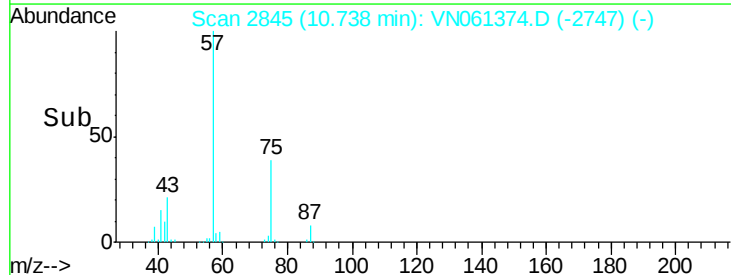
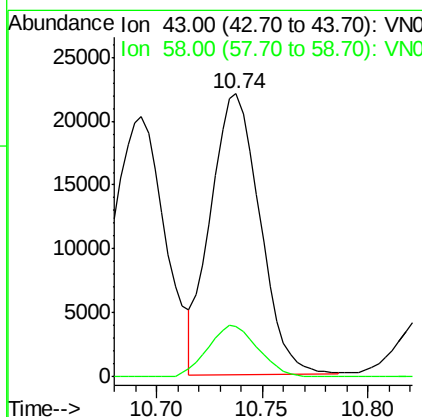
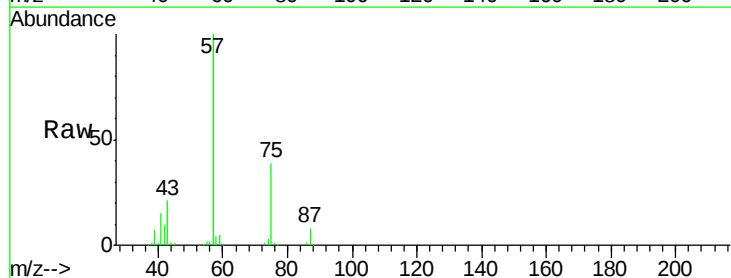
Instrument :
 MSVOA_N
 ClientSampleId :

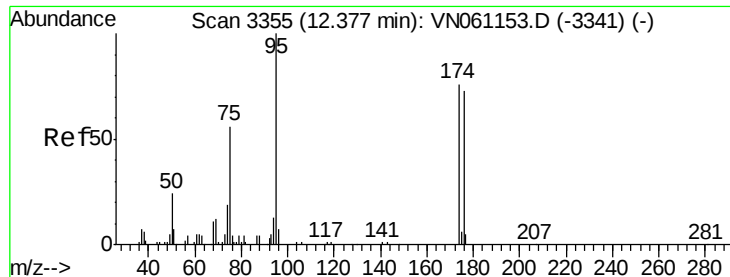
Tot Ion: 76 Resp: 2175
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 24.751 ug/l
 RT: 10.74 min Scan# 2845
 Delta R.T. 0.02 min
 Lab File: VN061374.D
 Acq: 8 May 2020 20:01

Tgt Ion: 43 Resp: 35725
 Ion Ratio Lower Upper
 43 100
 58 18.5 25.4 76.4#

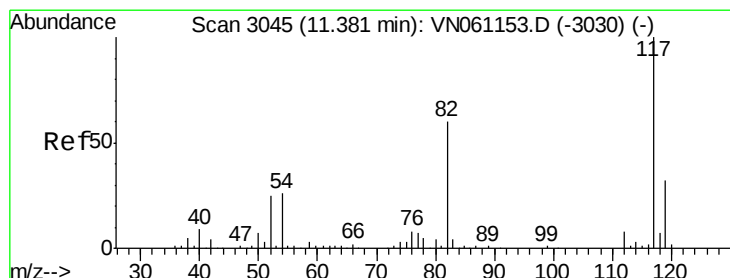
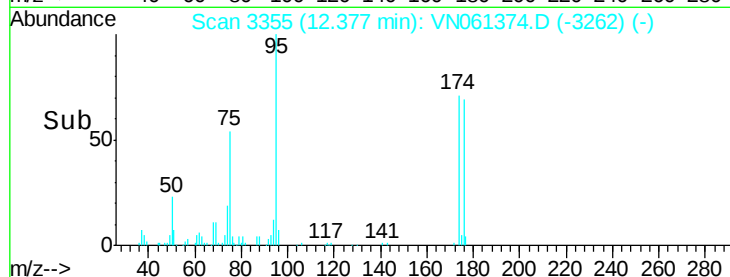
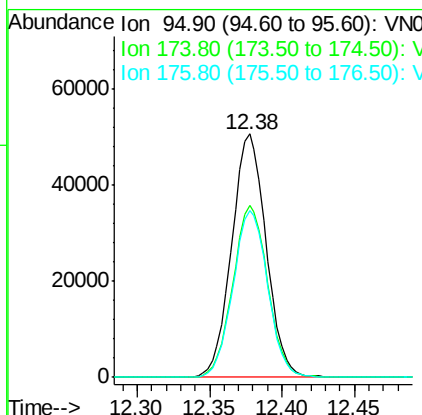
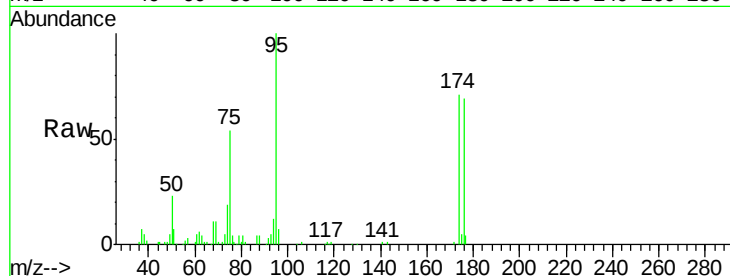




#62
4-Bromofluorobenzene
Concen: 53.126 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061374.D
Acq: 8 May 2020 20:01

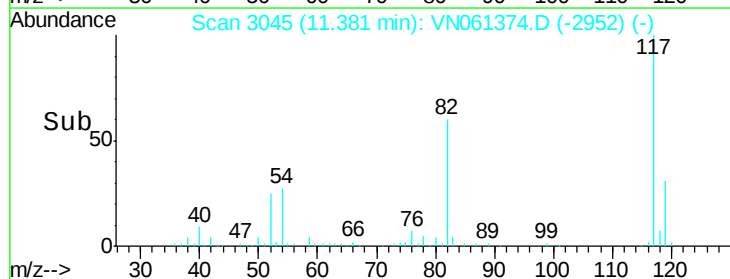
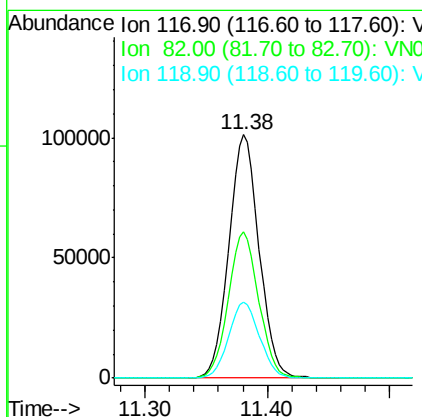
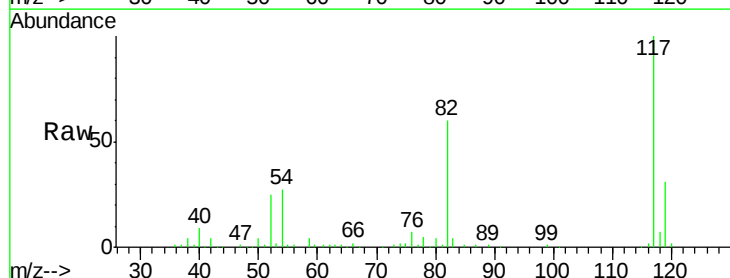
Instrument :
MSVOA_N
ClientSampleId :

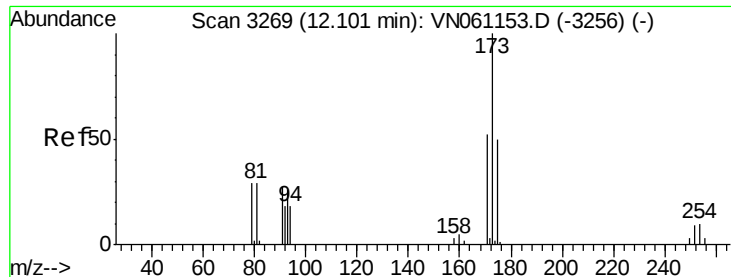
Tot Ion	95	Resp	83399
Ion Ratio	Lower	Upper	
95	100		
174	71.6	0.0	149.4
176	69.2	0.0	144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061374.D
Acq: 8 May 2020 20:01

Tgt Ion	117	Resp	174802
Ion Ratio	Lower	Upper	
117	100		
82	60.1	47.8	71.8
119	31.1	25.8	38.6





#71

Bromoform

Concen: 0.408 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. 0.27 min

Lab File: VN061374.D

Acq: 8 May 2020 20:01

Instrument :

MSVOA_N

ClientSampled :

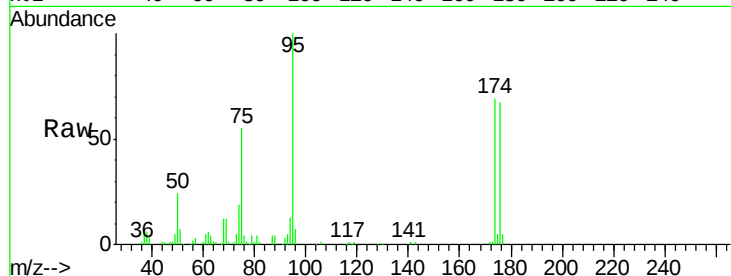
Tot Ion:173 Resp: 372

Ion Ratio Lower Upper

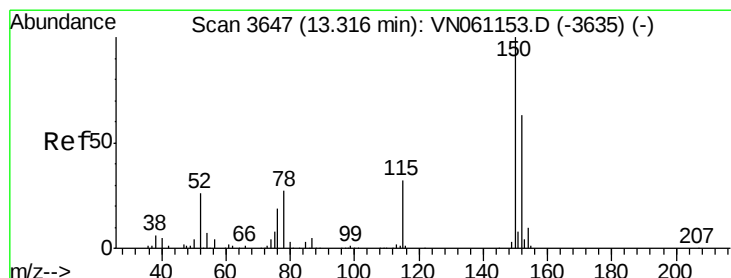
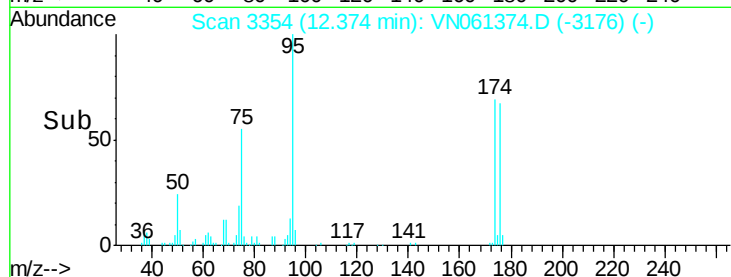
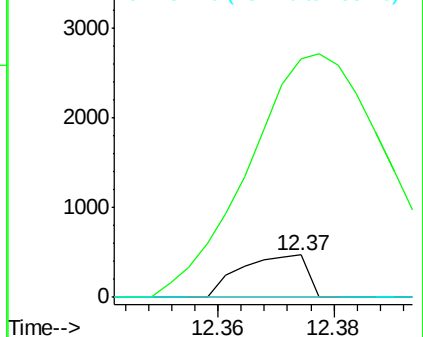
173 100

175 1021.8 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: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061374.D

Acq: 8 May 2020 20:01

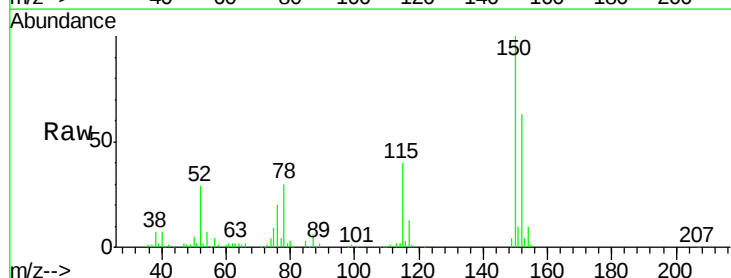
Tgt Ion:152 Resp: 74575

Ion Ratio Lower Upper

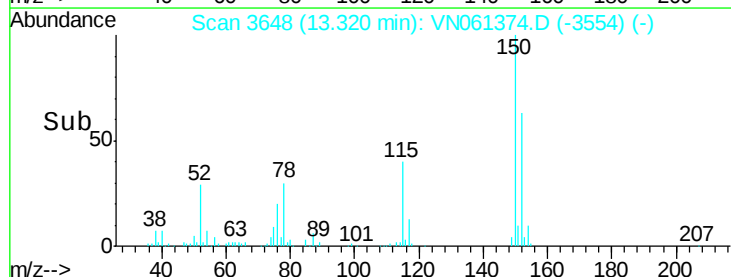
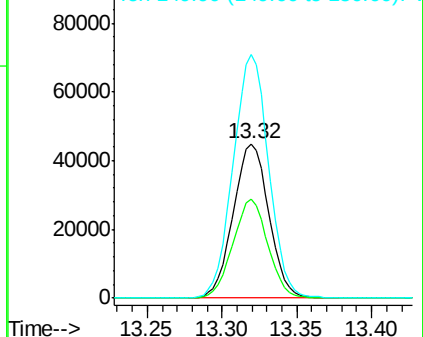
152 100

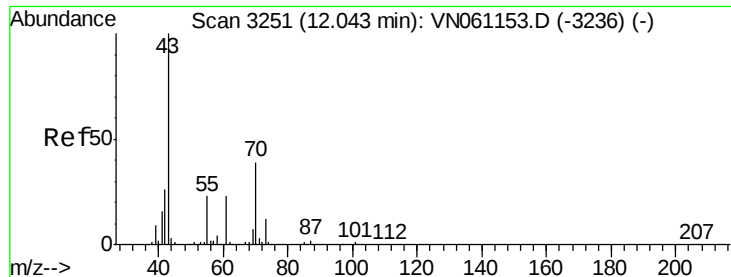
115 62.8 31.0 93.0

150 156.9 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





#74

N-amvl acetate

Concen: 0.823 ug/l

RT: 12.00 min Scan# 3239

Delta R.T. -0.04 min

Lab File: VN061374.D

Acq: 8 May 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2286

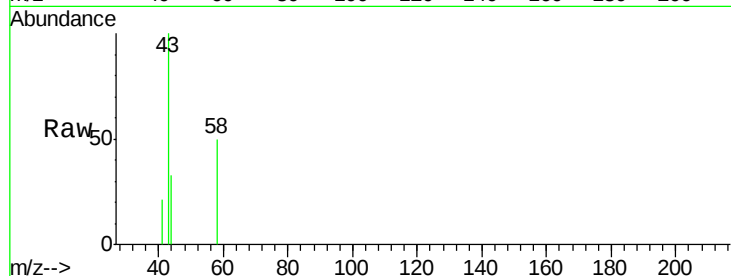
Ion Ratio Lower Upper

43 100

70 0.0 30.6 46.0#

55 0.0 18.5 27.7#

61 0.0 17.9 26.9#

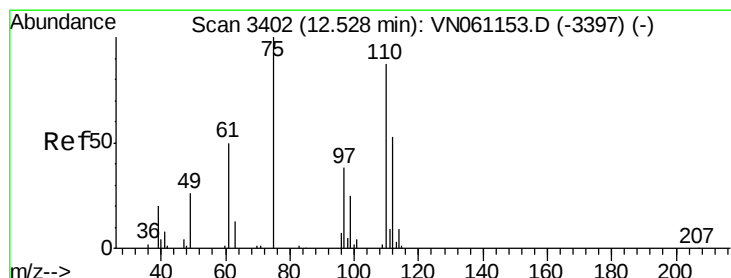
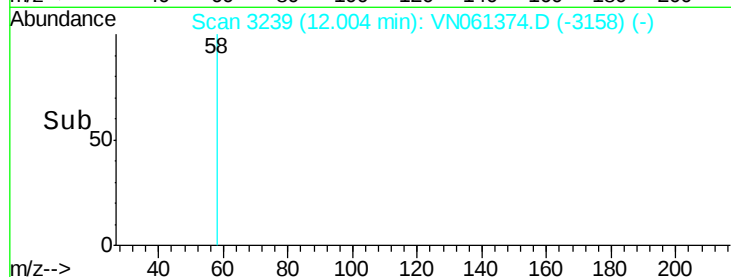
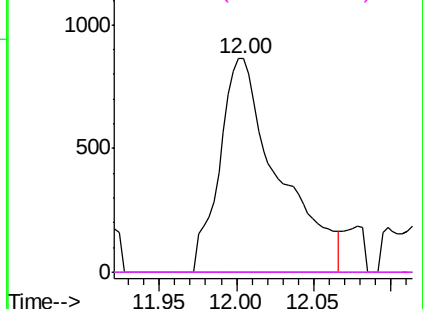


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 29.245 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061374.D

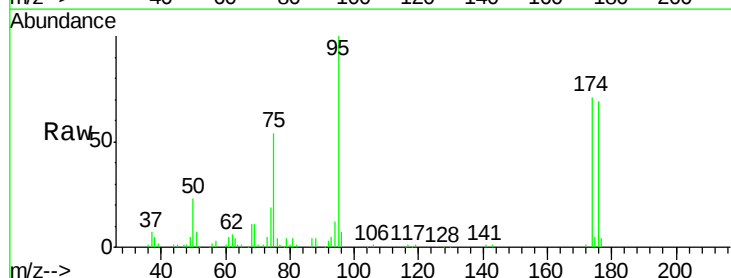
Acq: 8 May 2020 20:01

Tgt Ion: 75 Resp: 45980

Ion Ratio Lower Upper

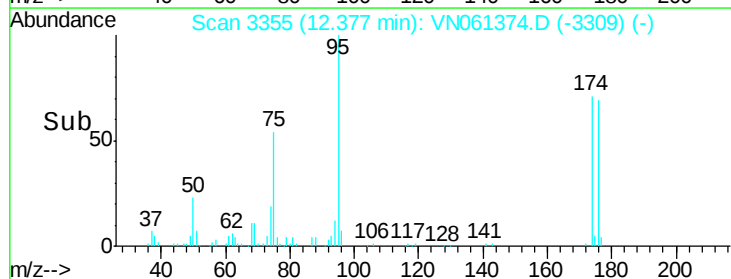
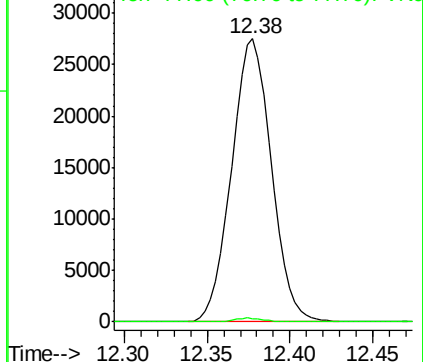
75 100

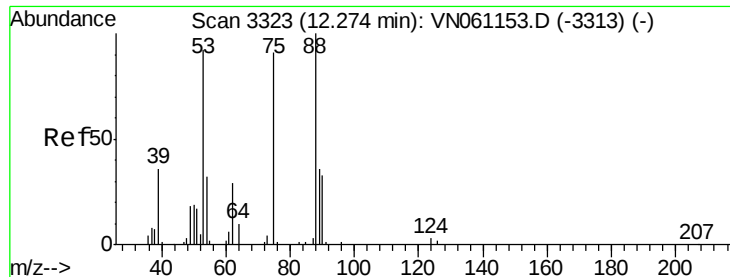
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 74.267 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061374.D

Acq: 8 May 2020 20:01

Instrument :

MSVOA_N

ClientSampled :

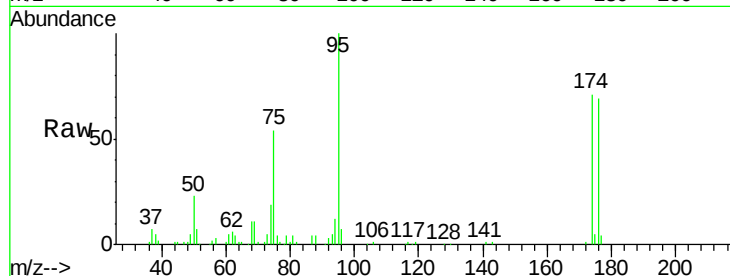
Tot Ion: 75 Resp: 45980

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

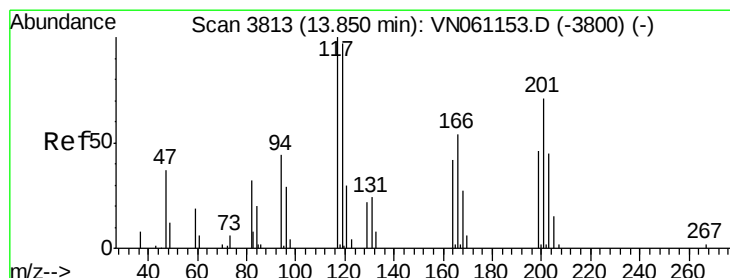
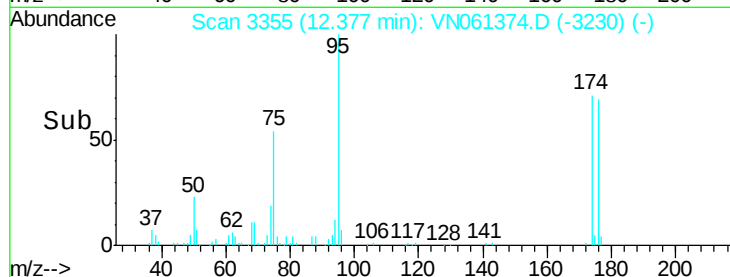
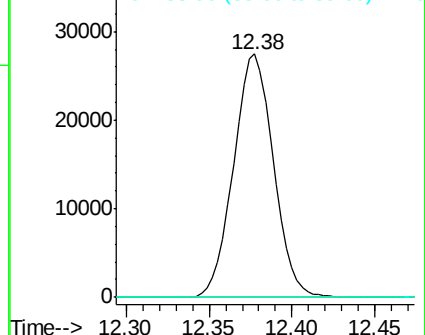
89 0.0 35.2 52.8#



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: 8.368 ug/l

RT: 13.97 min Scan# 3850

Delta R.T. 0.12 min

Lab File: VN061374.D

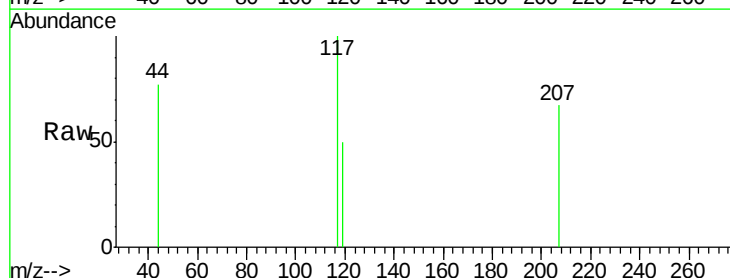
Acq: 8 May 2020 20:01

Tgt Ion: 117 Resp: 429

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) (-)

