

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030419\
 Data File : VN054058.D
 Acq On : 4 Mar 2019 10:15
 Operator : JC/SP
 Sample : VN0304WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 04 23:32:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	110766	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	582551	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	485965	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	240444	30.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.03%
60) 4-Bromofluorobenzene	12.40	95	176312	23.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	79.00%
63) Toluene-d8	10.09	98	703613	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

				Ovalue
3) Chloromethane	2.05	50	525	0.063 ug/l # 58
4) Vinyl Chloride	2.17	62	95	0.011 ug/l # 44
5) Bromomethane	2.57	94	99	0.019 ug/l # 21
6) Chloroethane	2.70	64	115	0.023 ug/l # 43
11) Methyl Iodide	3.95	142	98	0.011 ug/l # 44
15) Acetone	3.86	58	73	0.102 ug/l # 1
16) Carbon Disulfide	4.06	76	944	0.048 ug/l # 75
17) Allyl chloride	4.33	41	115	0.011 ug/l # 25
22) cis-1,2-Dichloroethene	7.18	96	100	0.014 ug/l # 1
30) 2-Butanone	6.84	43	170	0.059 ug/l # 55
35) Methacrylonitrile	7.21	41	68	0.021 ug/l # 29
36) 1,2-Dichloroethane	8.12	62	684	0.079 ug/l # 74
38) Methylcyclohexane	8.72	83	92	0.009 ug/l # 17
39) 1,2-Dichloropropane	8.79	63	62	0.008 ug/l # 45
42) Vinyl Acetate	6.19	43	129	0.009 ug/l # 77
43) Ethyl Acetate	6.93	43	92	0.015 ug/l # 97
46) Methyl methacrylate	9.12	41	142	0.028 ug/l # 14
47) n-amyl Acetate	12.08	43	169	0.022 ug/l # 49
48) t-1,3-Dichloropropene	10.08	75	66	0.007 ug/l # 71
49) cis-1,3-Dichloropropene	10.08	75	66	0.006 ug/l # 71
50) 1,1,2-Trichloroethane	10.21	97	64	0.011 ug/l # 14
55) 2-Chloroethyl vinyl ether	10.09	63	581	0.174 ug/l # 1
56) Bromoform	12.40	173	684	0.157 ug/l # 1
58) 4-Methyl-2-Pentanone	9.98	43	562	0.103 ug/l # 43
59) 2-Hexanone	10.75	43	354	0.099 ug/l # 33
62) Toluene	10.17	91	66	0.002 ug/l # 23
64) Chlorobenzene	11.43	112	60	0.004 ug/l # 43
66) Ethyl Benzene	11.51	91	355	0.013 ug/l # 44
67) m/p-Xylenes	11.62	106	144	0.013 ug/l # 1
68) o-Xylene	11.62	106	144	0.014 ug/l # 1
69) Styrene	11.97	104	234	0.014 ug/l # 66
70) Isopropylbenzene	12.25	105	226	0.008 ug/l # 48
72) 1,2,3-Trichloropropane	12.56	75	134	0.026 ug/l # 69
73) Bromobenzene	12.53	156	105	0.015 ug/l # 36
74) n-propylbenzene	12.59	91	470	0.015 ug/l # 53
75) 2-Chlorotoluene	12.68	91	386	0.020 ug/l # 40
76) 1,3,5-Trimethylbenzene	12.73	105	305	0.013 ug/l # 28

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Quant Time: Mar 04 23:32:21 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

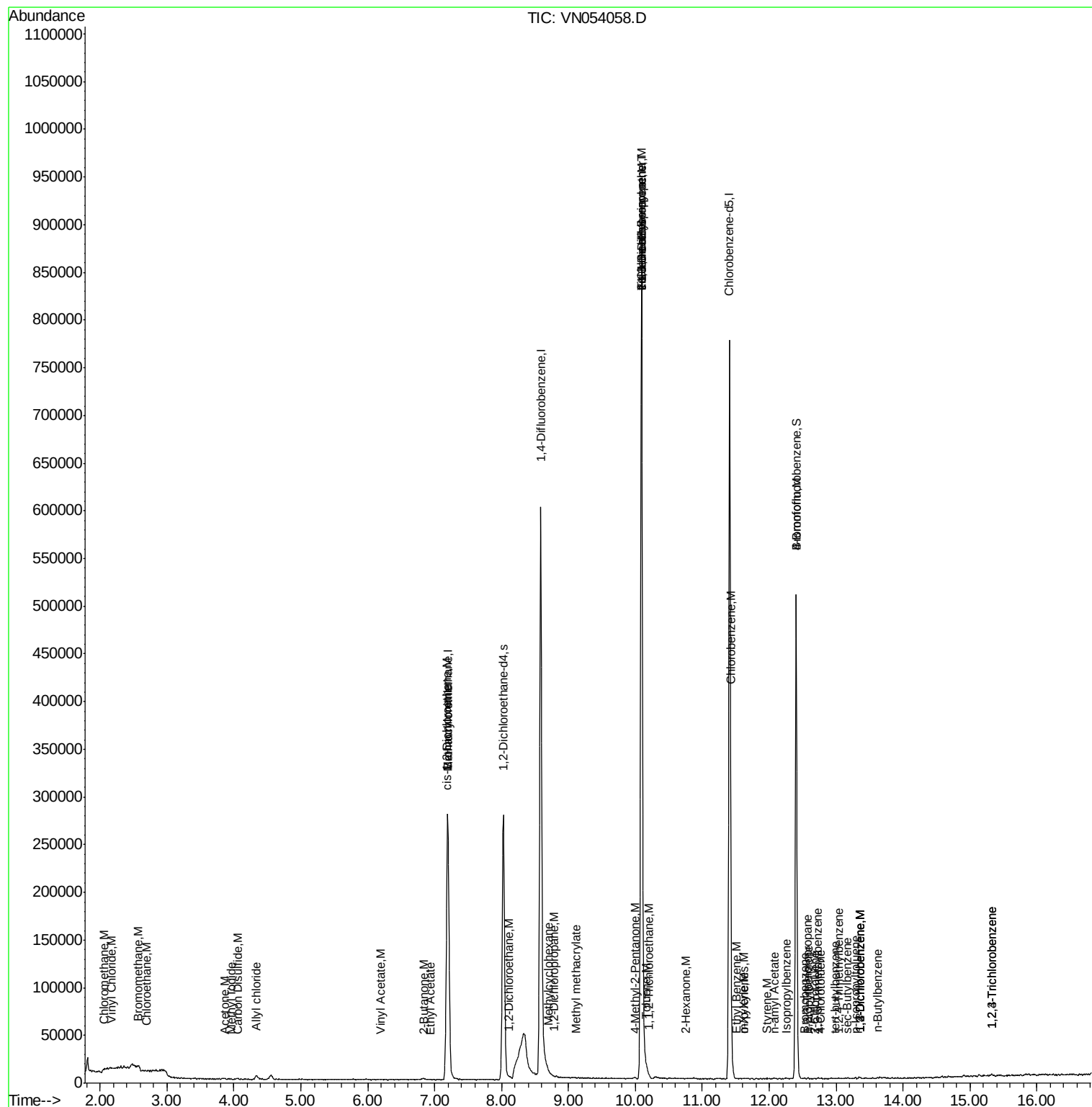
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

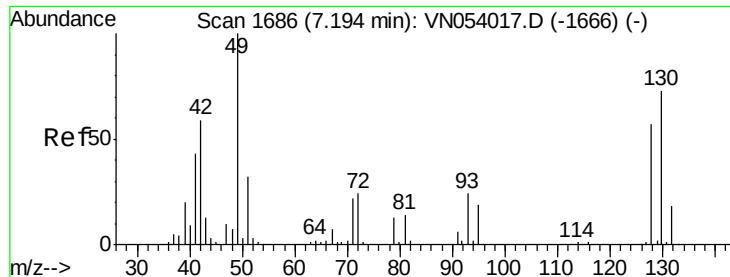
78) 4-Chlorotoluene	12.77	91	201	0.011	ug/l #	41
79) tert-butylbenzene	12.99	119	344	0.017	ug/l #	84
80) 1,2,4-Trimethylbenzene	13.04	105	480	0.021	ug/l #	31
81) sec-Butylbenzene	13.17	105	512	0.018	ug/l #	56
82) p-Isopropyltoluene	13.28	119	384	0.016	ug/l #	50
83) 1,3-Dichlorobenzene	13.37	146	452	0.037	ug/l	76
84) 1,4-Dichlorobenzene	13.37	146	452	0.039	ug/l	76
85) n-Butylbenzene	13.62	91	436	0.021	ug/l #	84
87) 1,2-Dichlorobenzene	13.37	146	452	0.039	ug/l	75
89) 1,2,4-Trichlorobenzene	15.32	180	988	0.166	ug/l	85
92) 1,2,3-Trichlorobenzene	15.32	180	988	0.168	ug/l	83

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

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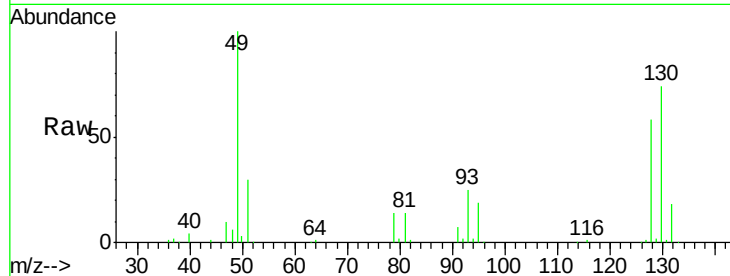
Quant Time: Mar 04 23:32:21 2019
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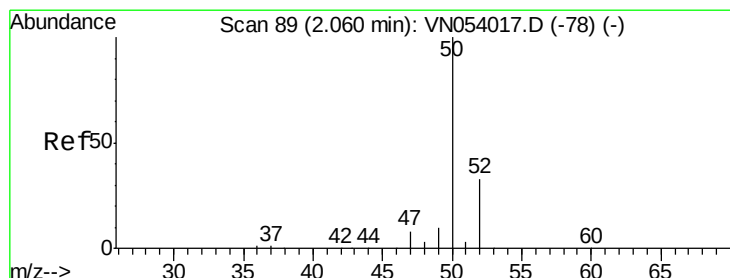
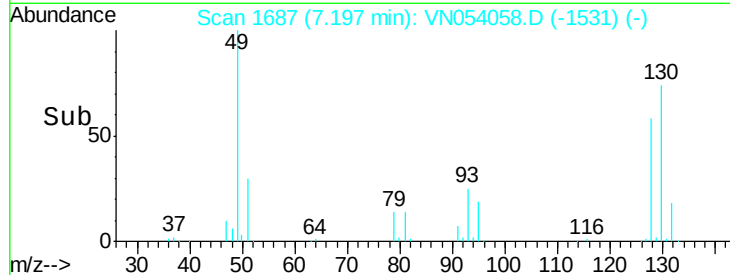
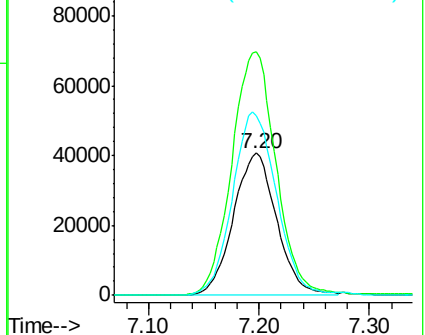


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

Tot Ion:128 Resp: 110766
Ion Ratio Lower Upper
128 100
49 175.3 0.0 431.8
130 130.8 0.0 317.0

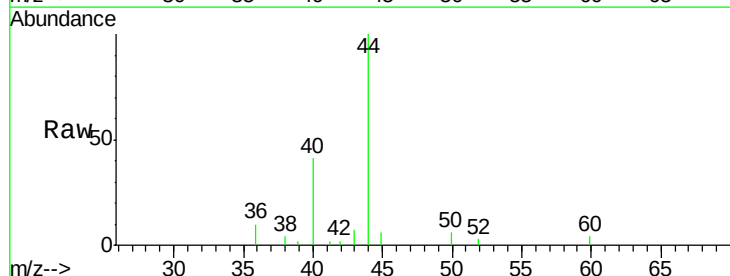


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN0
Ion 130.00 (129.70 to 130.70): V

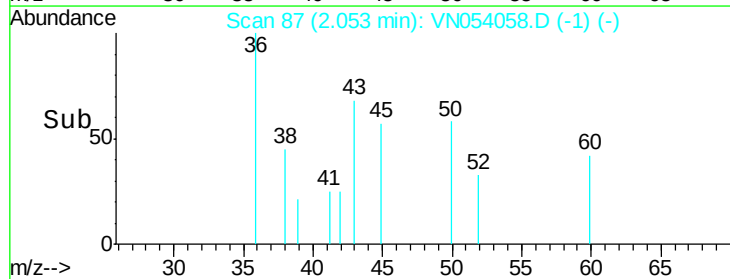
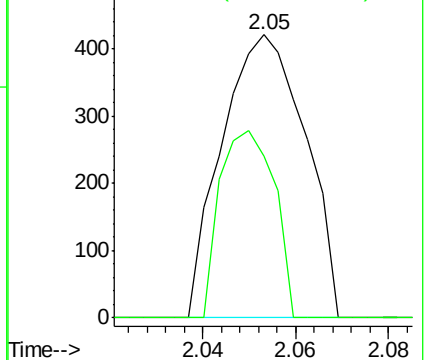


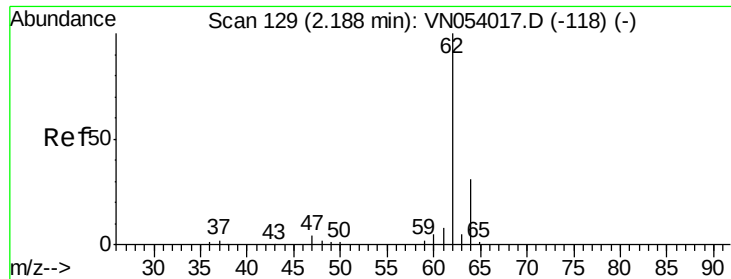
#3
Chloromethane
Concen: 0.063 ug/l
RT: 2.05 min Scan# 87
Delta R.T. -0.01 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

Tgt Ion: 50 Resp: 525
Ion Ratio Lower Upper
50 100
52 57.0 26.5 39.7#



Abundance Ion 50.00 (49.70 to 50.70): VN0
Ion 52.00 (51.70 to 52.70): VN0





#4

Vinyl Chloride

Concen: 0.011 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.02 min

Lab File: VN054058.D

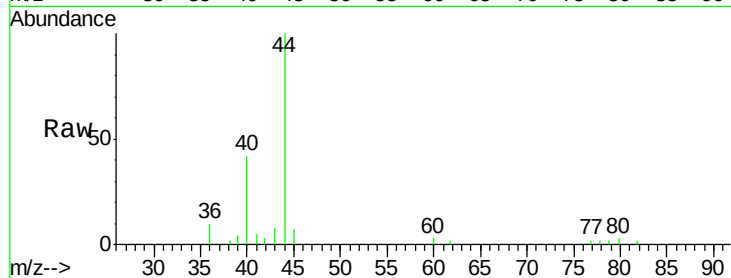
Acq: 4 Mar 2019 10:15

Tot Ion: 62 Resp: 95

Ion Ratio Lower Upper

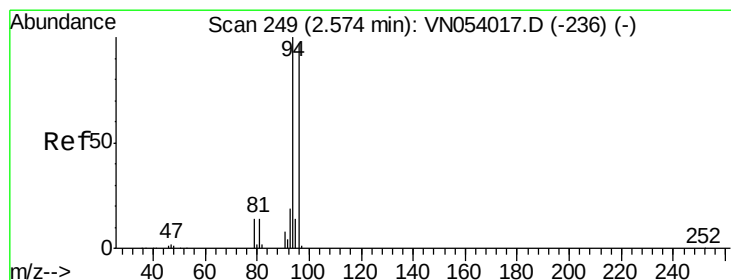
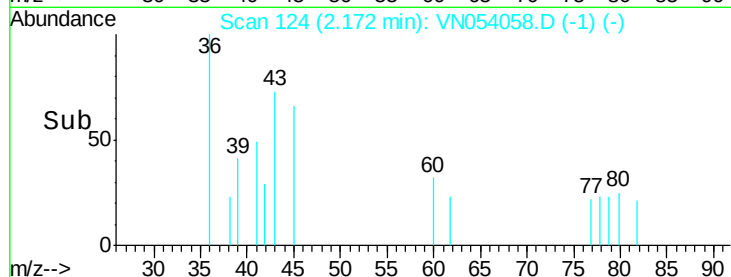
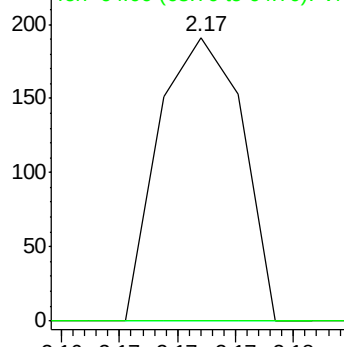
62 100

64 0.0 24.2 36.4#



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0



#5

Bromomethane

Concen: 0.019 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054058.D

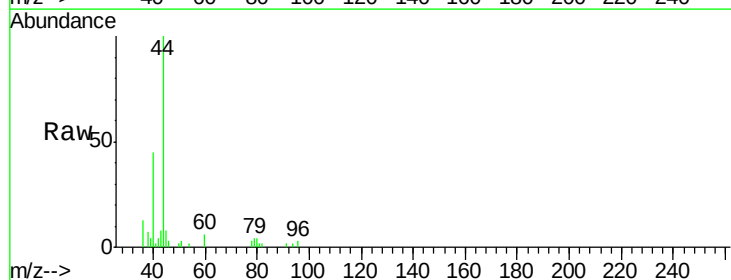
Acq: 4 Mar 2019 10:15

Tgt Ion: 94 Resp: 99

Ion Ratio Lower Upper

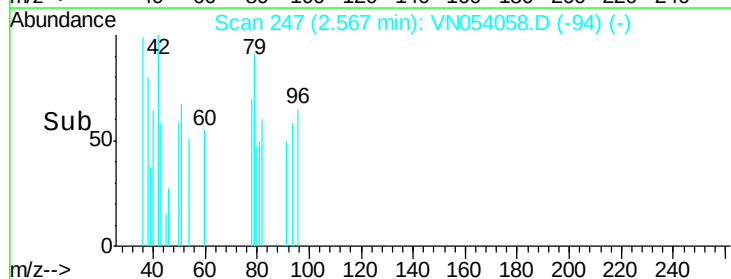
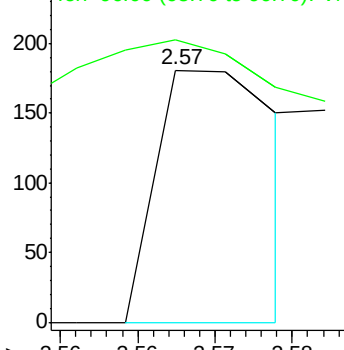
94 100

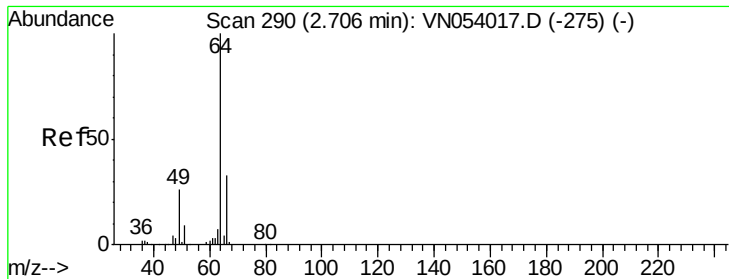
96 18.8 76.2 114.2#



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0





#6

Chloroethane

Concen: 0.023 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN054058.D

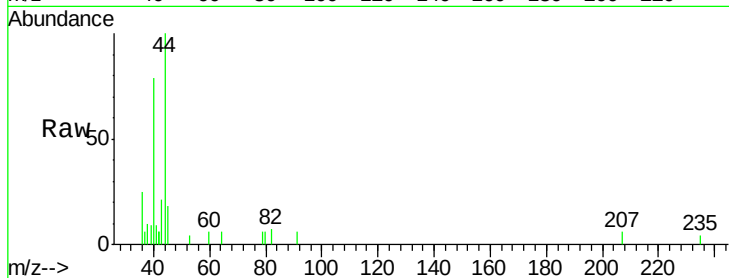
Acq: 4 Mar 2019 10:15

Tot Ion: 64 Resp: 115

Ion Ratio Lower Upper

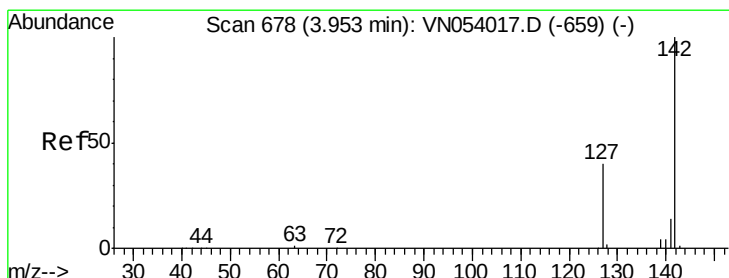
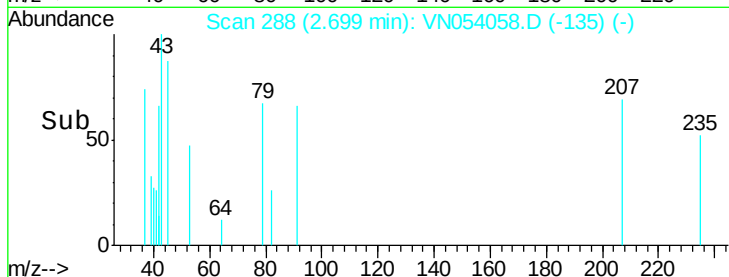
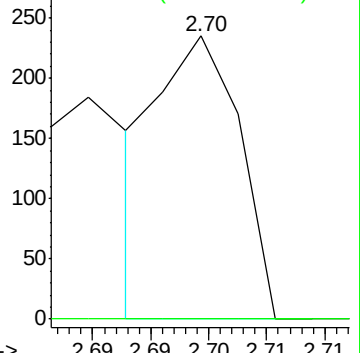
64 100

66 0.0 25.6 38.4#



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



#11

Methyl Iodide

Concen: 0.011 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN054058.D

Acq: 4 Mar 2019 10:15

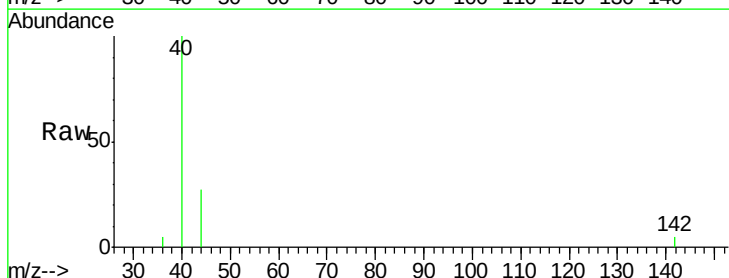
Tgt Ion: 142 Resp: 98

Ion Ratio Lower Upper

142 100

127 0.0 19.4 58.1#

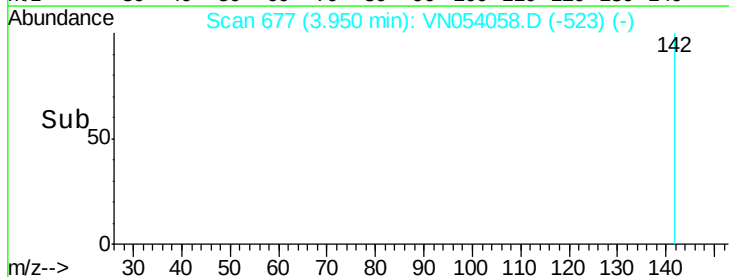
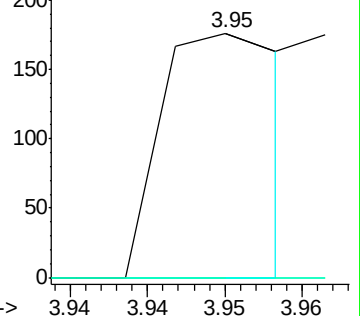
141 0.0 7.2 21.6#

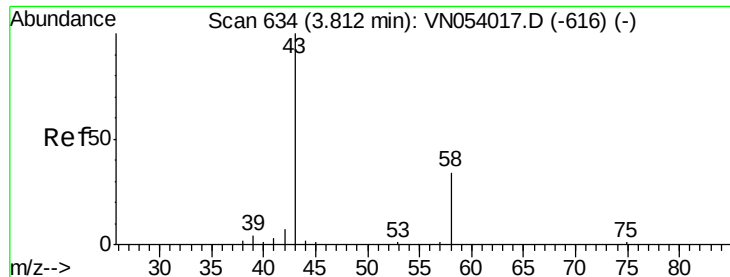


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#15

Acetone

Concen: 0.102 ug/l

RT: 3.86 min Scan# 649

Delta R.T. 0.05 min

Lab File: VN054058.D

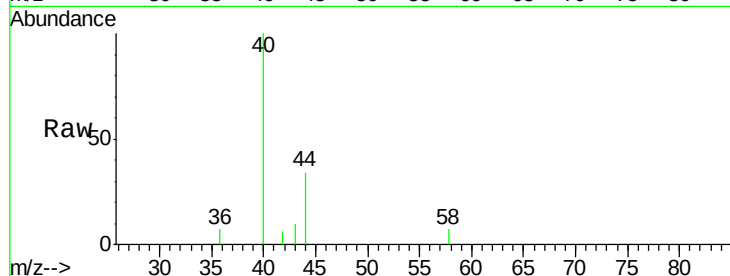
Acq: 4 Mar 2019 10:15

Tot Ion: 58 Resp: 73

Ion Ratio Lower Upper

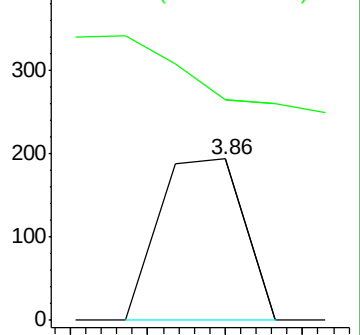
58 100

43 2.6 243.6 365.4#

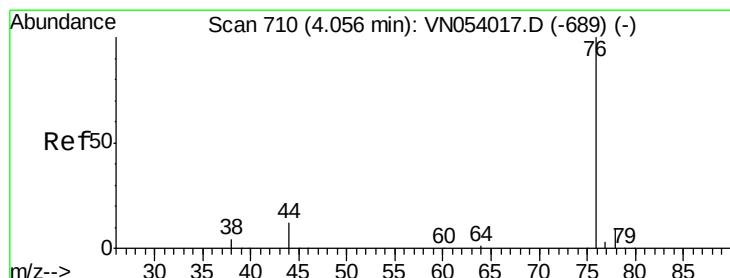
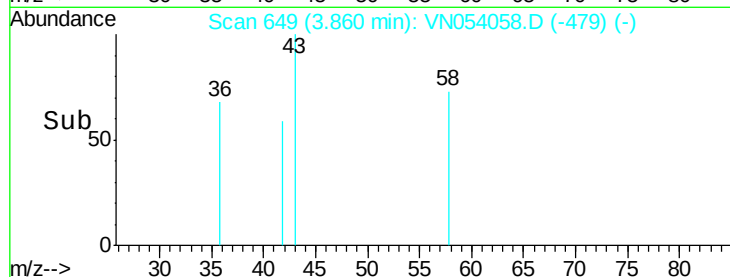


Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



Time-->



#16

Carbon Disulfide

Concen: 0.048 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN054058.D

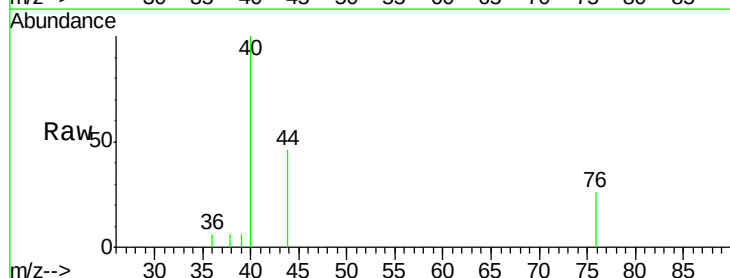
Acq: 4 Mar 2019 10:15

Tgt Ion: 76 Resp: 944

Ion Ratio Lower Upper

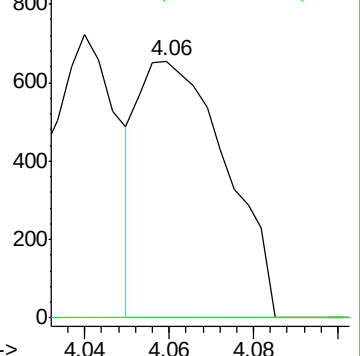
76 100

78 0.0 7.3 10.9#

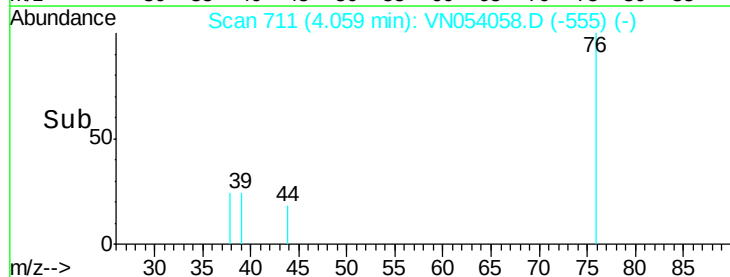


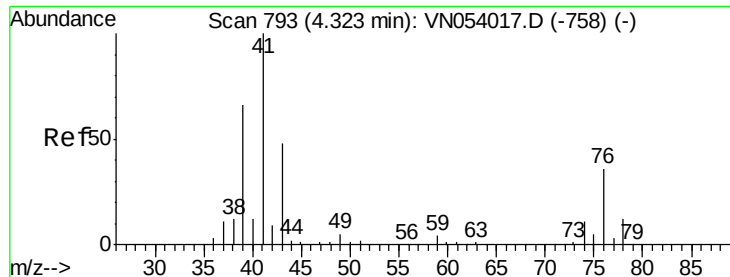
Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



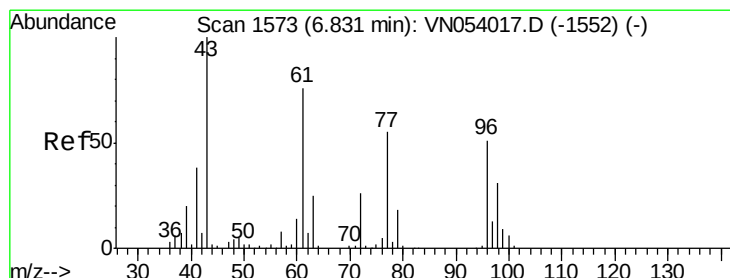
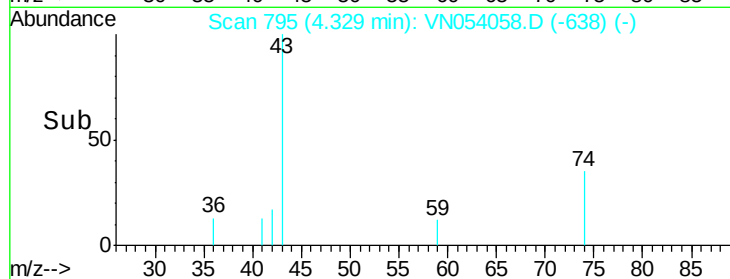
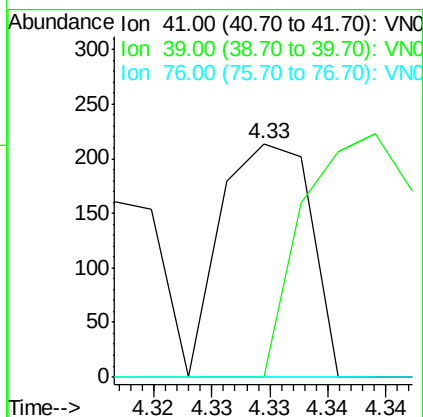
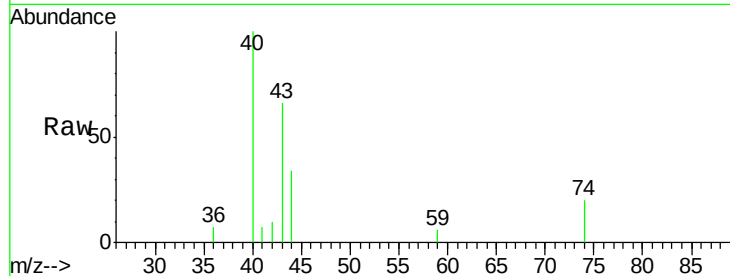
Time-->





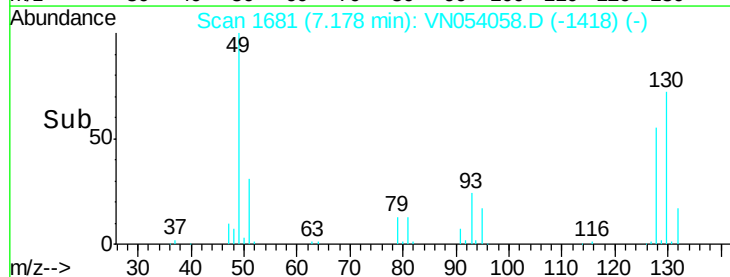
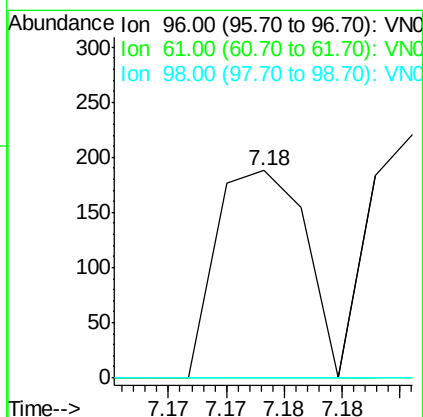
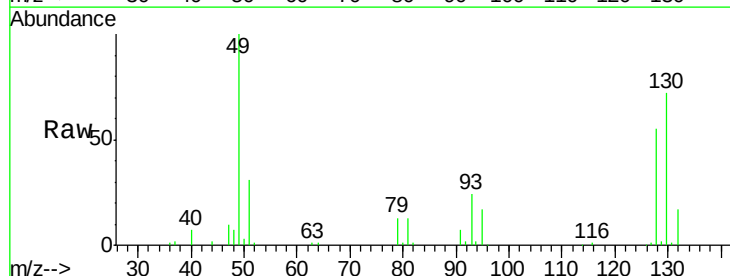
#17
Allvl chloride
Concen: 0.011 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN054058.D
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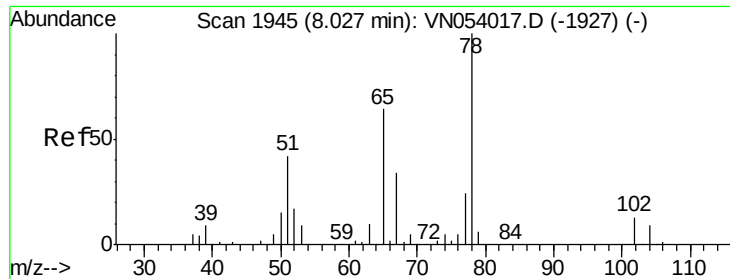
Tot Ion: 41 Resp: 115
Ion Ratio Lower Upper
41 100
39 0.0 32.8 98.3#
76 0.0 18.6 55.8#



#22
cis-1,2-Dichloroethene
Concen: 0.014 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.35 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

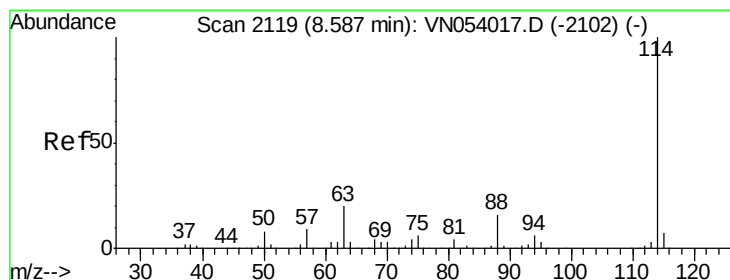
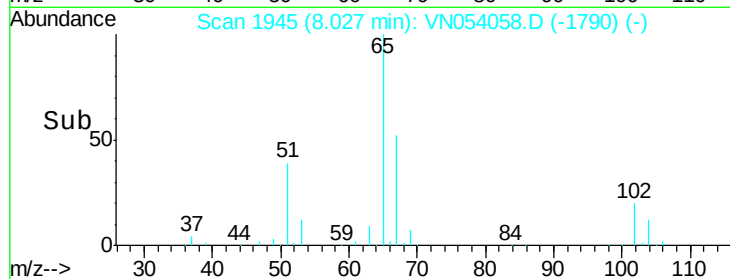
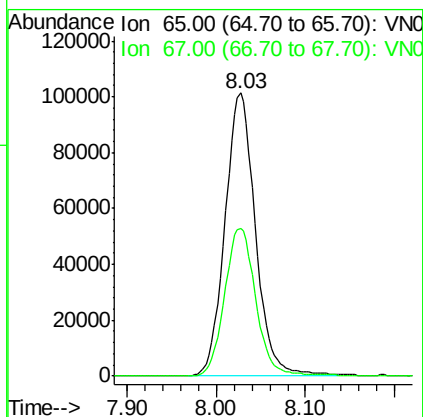
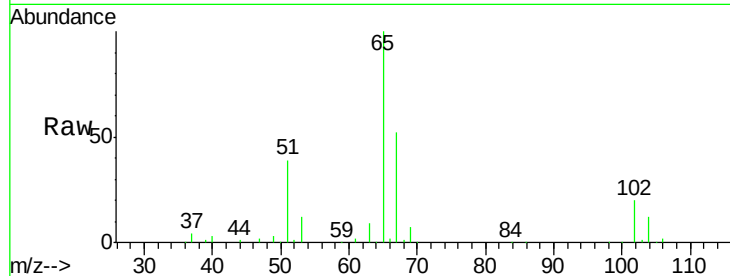
Tgt Ion: 96 Resp: 100
Ion Ratio Lower Upper
96 100
61 0.0 116.7 175.1#
98 0.0 50.8 76.2#





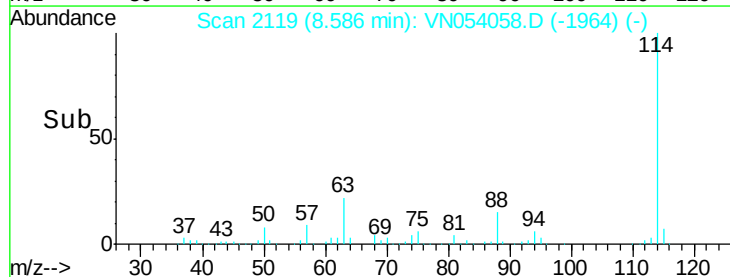
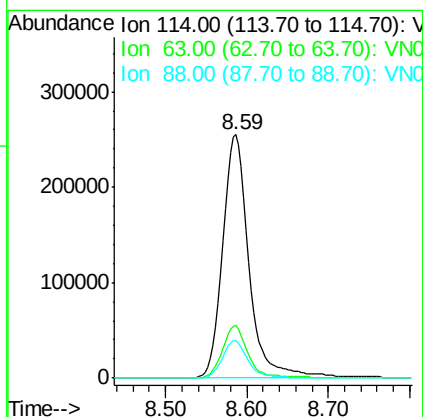
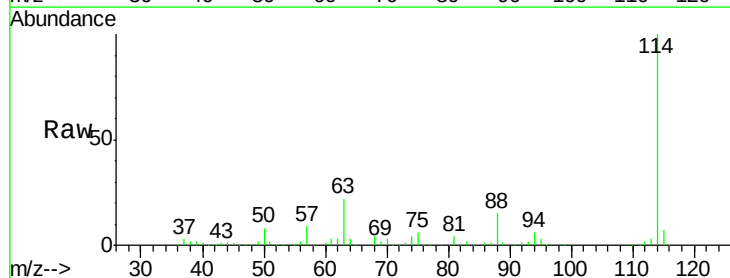
#27
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

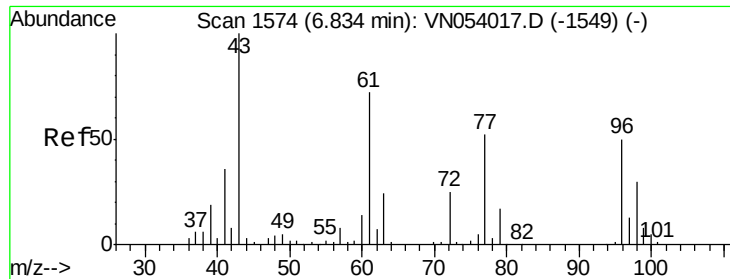
Tot Ion: 65 Resp: 240444
 Ion Ratio Lower Upper
 65 100
 67 52.8 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

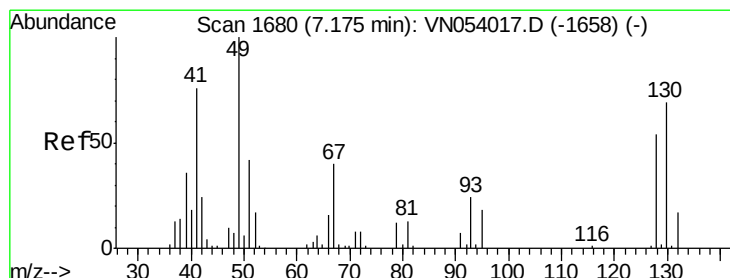
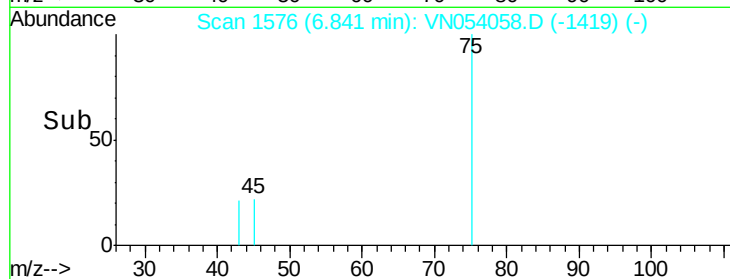
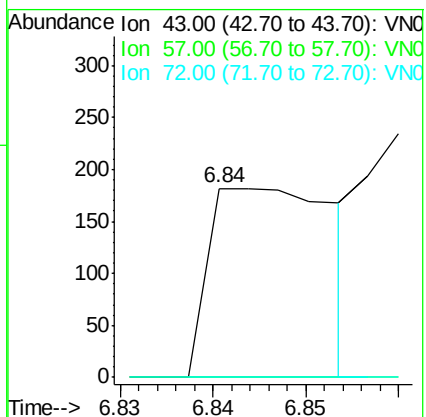
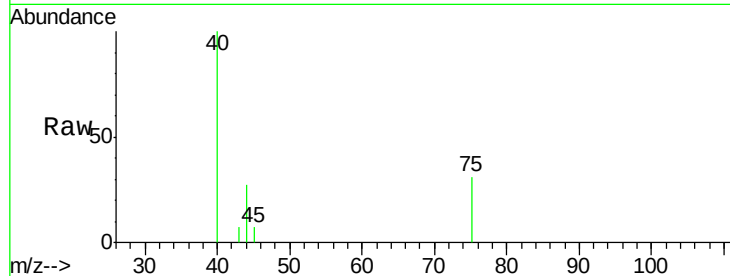
Tgt Ion: 114 Resp: 582551
 Ion Ratio Lower Upper
 114 100
 63 21.1 16.9 25.3
 88 15.0 12.8 19.2





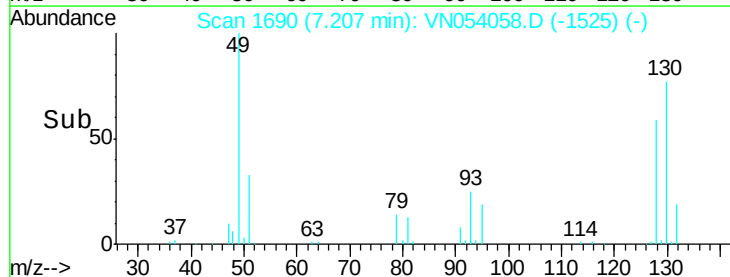
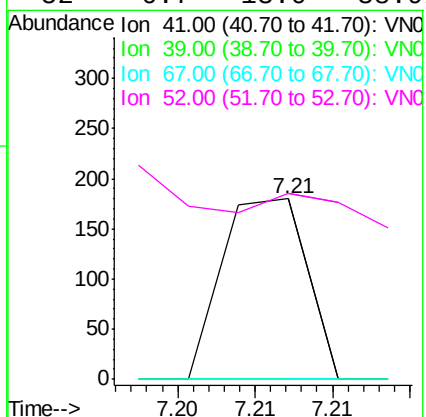
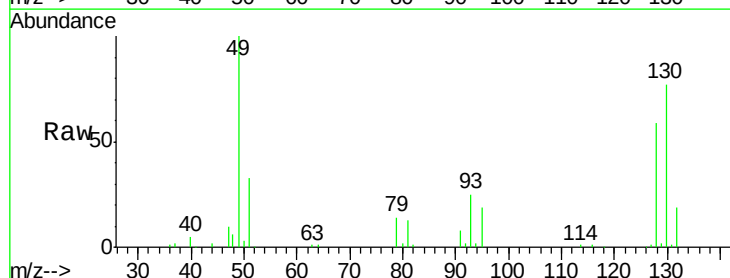
#30
2-Butanone
Concen: 0.059 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

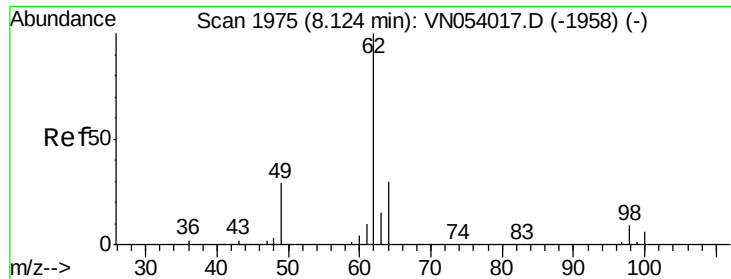
Tot Ion: 43 Resp: 170
Ion Ratio Lower Upper
43 100
57 0.0 6.2 9.4#
72 0.0 21.0 31.6#



#35
Methacrylonitrile
Concen: 0.021 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.03 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

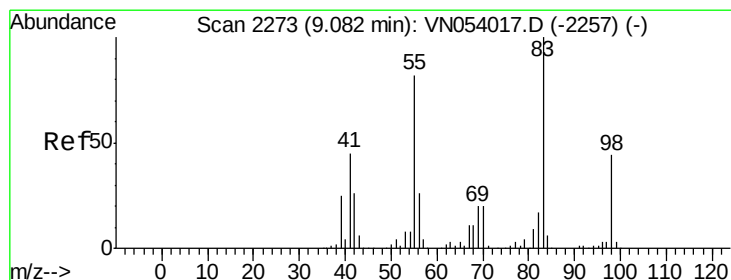
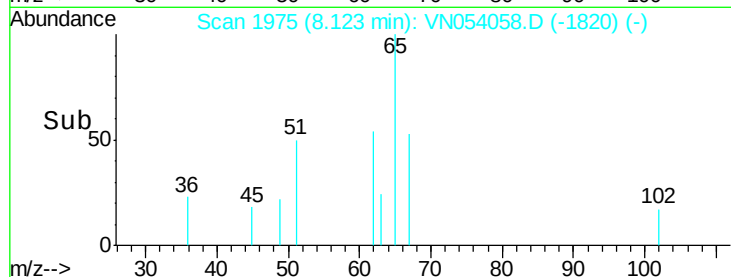
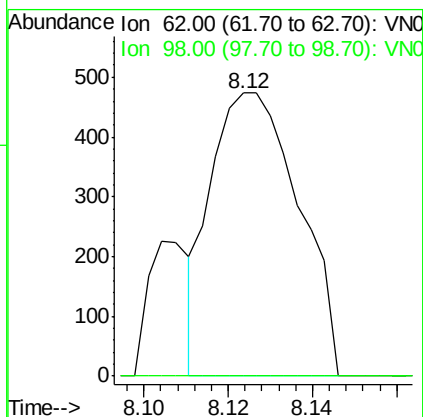
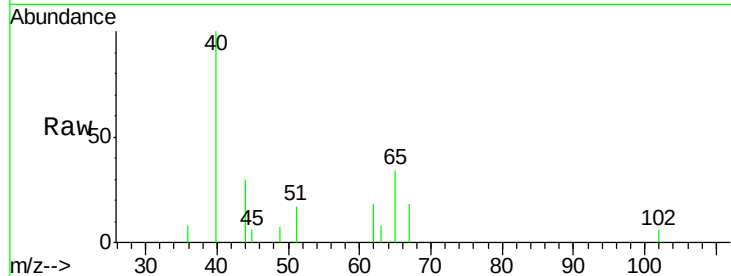
Tgt Ion: 41 Resp: 68
Ion Ratio Lower Upper
41 100
39 0.0 26.6 79.7#
67 0.0 32.3 96.9#
52 6.7 13.0 38.9#





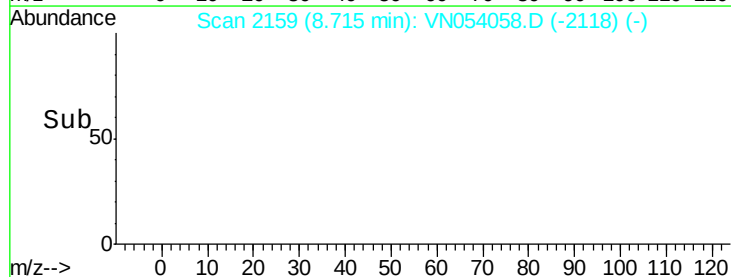
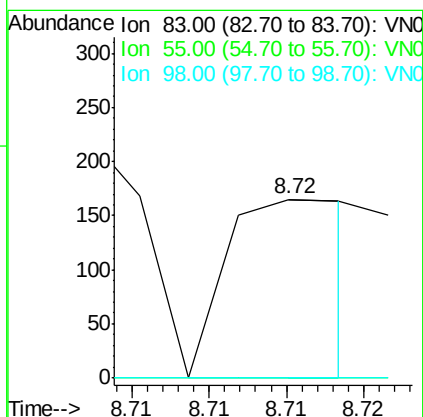
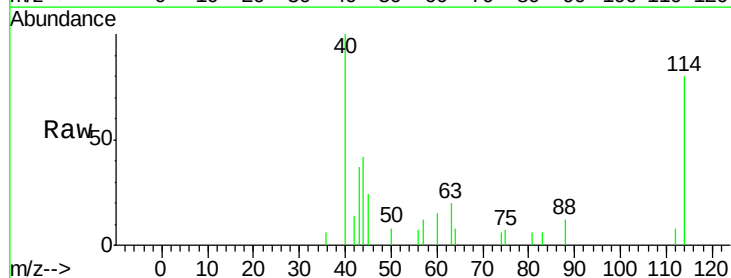
#36
 1,2-Dichloroethane
 Concen: 0.079 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

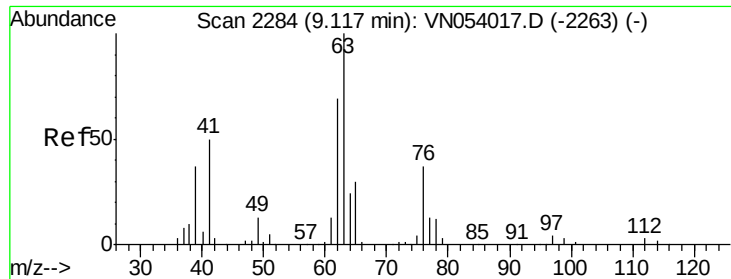
Tot Ion: 62 Resp: 684
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.2#



#38
 Methylcyclohexane
 Concen: 0.009 ug/l
 RT: 8.72 min Scan# 2159
 Delta R.T. -0.37 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

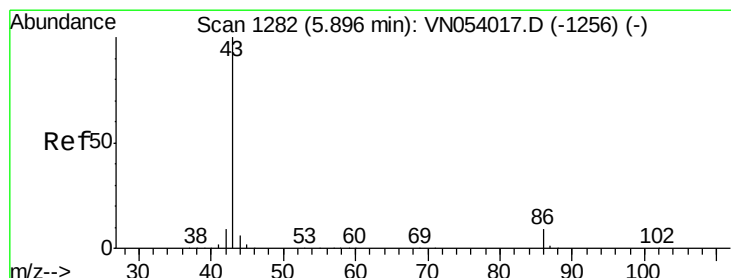
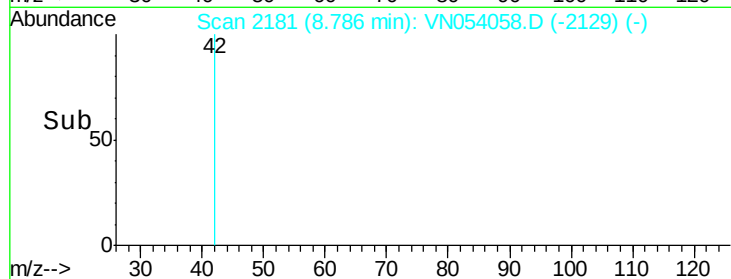
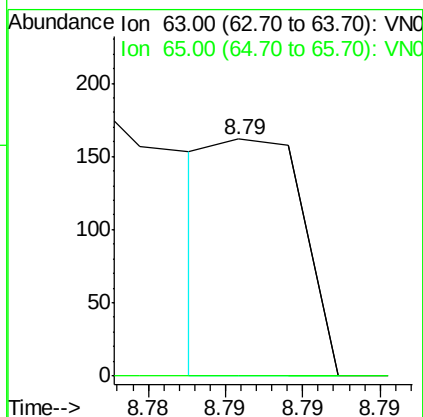
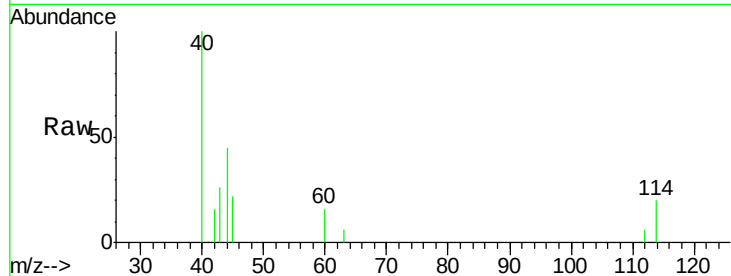
Tgt Ion: 83 Resp: 92
 Ion Ratio Lower Upper
 83 100
 55 0.0 39.8 119.4#
 98 0.0 22.9 68.5#





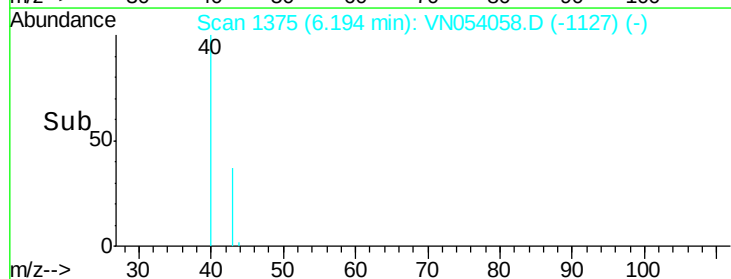
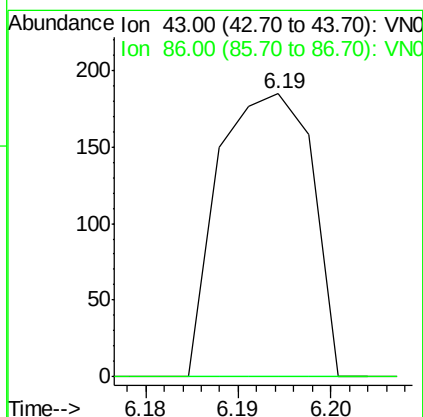
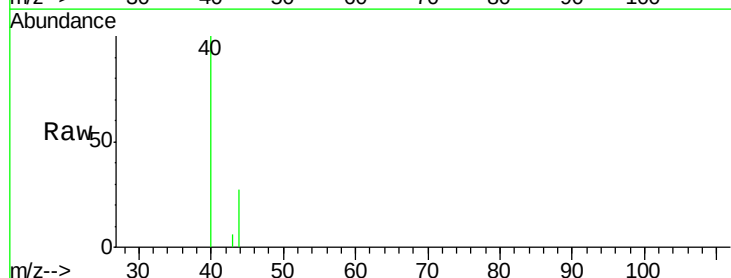
#39
 1,2-Dichloropropane
 Concen: 0.008 ug/l
 RT: 8.79 min Scan# 2181
 Delta R.T. -0.33 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

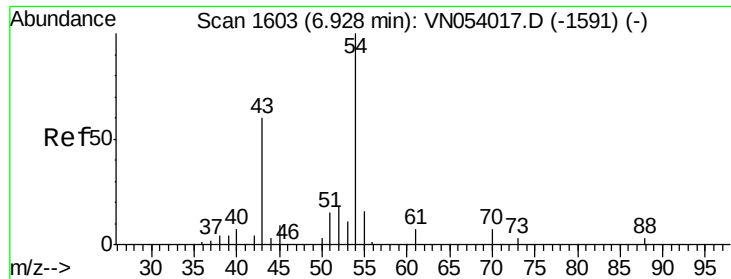
Tot Ion: 63 Resp: 62
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.6 35.4#



#42
 Vinyl Acetate
 Concen: 0.009 ug/l
 RT: 6.19 min Scan# 1375
 Delta R.T. 0.30 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

Tgt Ion: 43 Resp: 129
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.5 9.7#





#43

Ethyl Acetate

Concen: 0.015 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.01 min

Lab File: VN054058.D

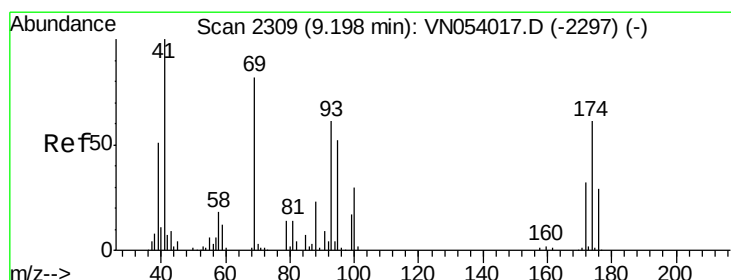
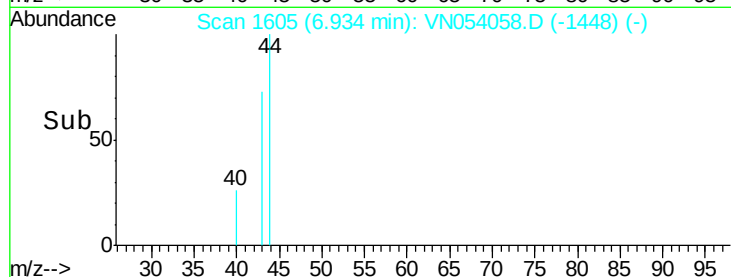
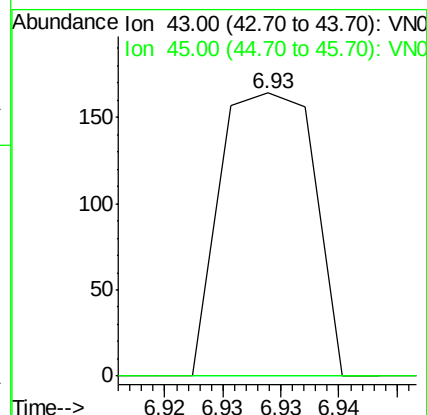
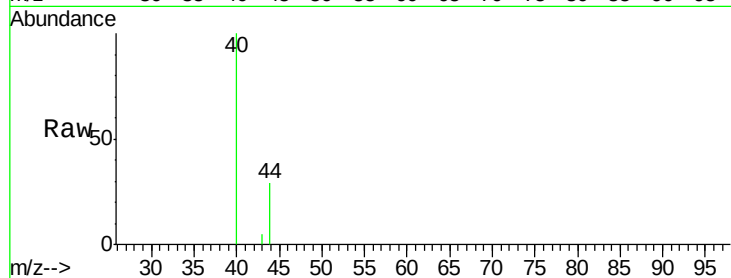
Acq: 4 Mar 2019 10:15

Tot Ion: 43 Resp: 92

Ion Ratio Lower Upper

43 100

45 0.0 1.0 1.6#



#46

Methyl methacrylate

Concen: 0.028 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.08 min

Lab File: VN054058.D

Acq: 4 Mar 2019 10:15

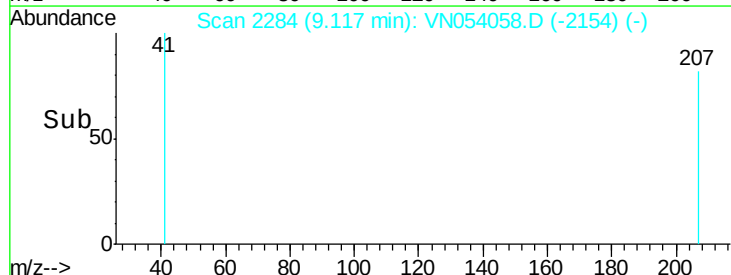
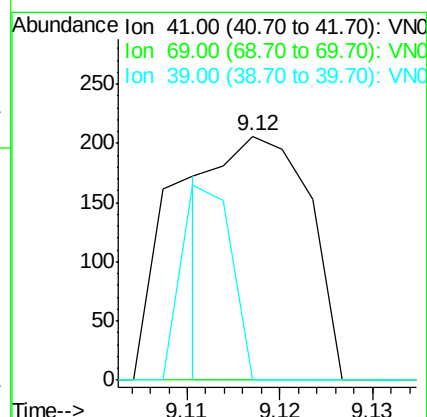
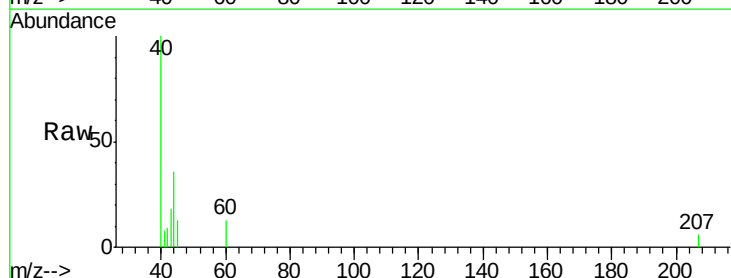
Tgt Ion: 41 Resp: 142

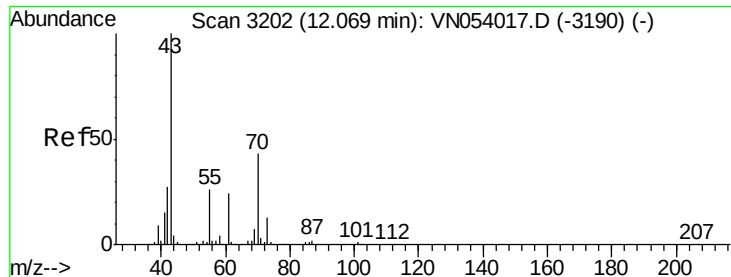
Ion Ratio Lower Upper

41 100

69 0.0 42.5 127.6#

39 0.0 26.3 78.9#





#47

n-amyl Acetate

Concen: 0.022 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN054058.D

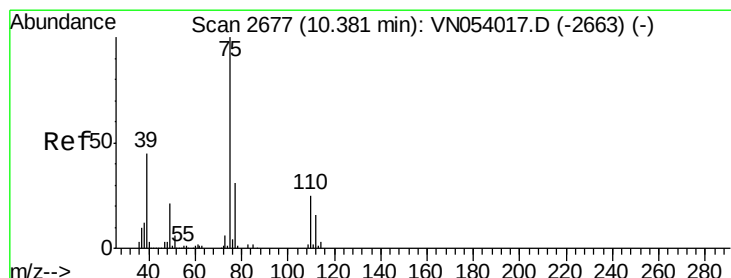
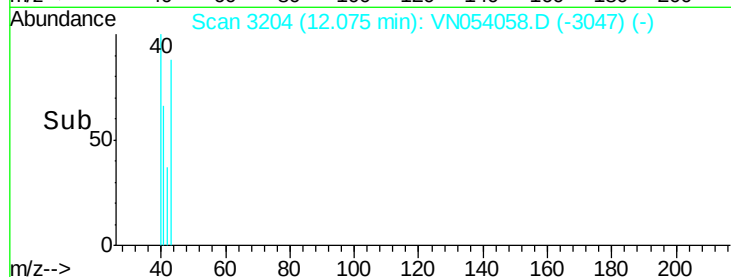
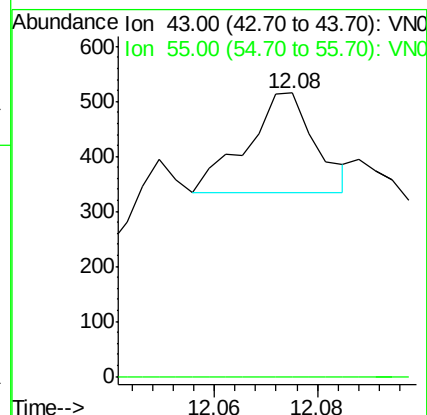
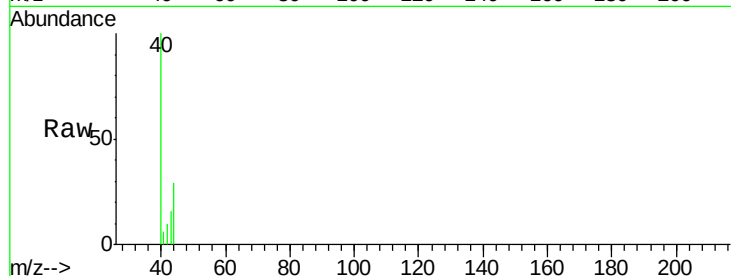
Acq: 4 Mar 2019 10:15

Tot Ion: 43 Resp: 169

Ion Ratio Lower Upper

43 100

55 0.0 21.1 31.7#



#48

t-1,3-Dichloropropene

Concen: 0.007 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.30 min

Lab File: VN054058.D

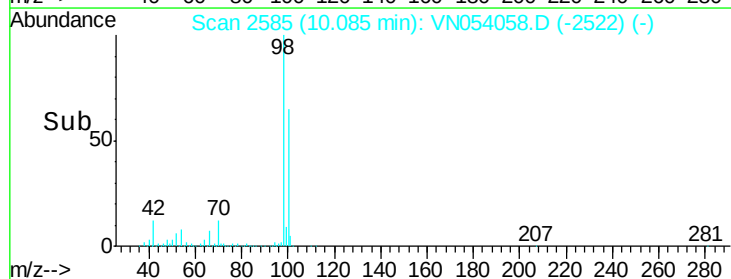
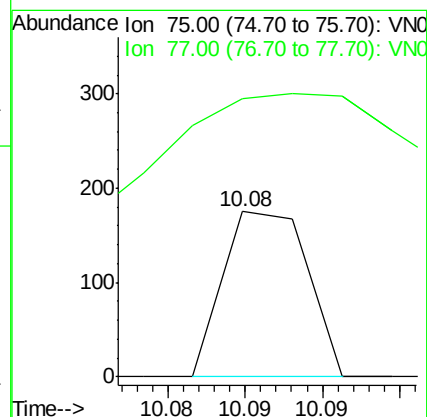
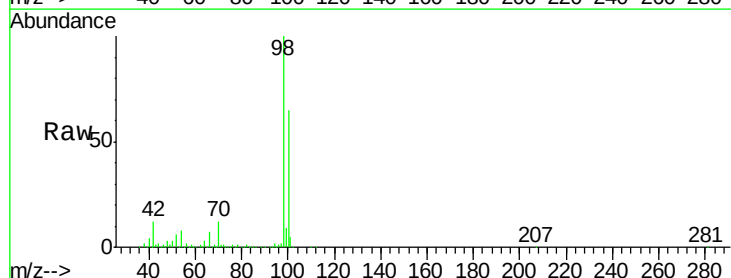
Acq: 4 Mar 2019 10:15

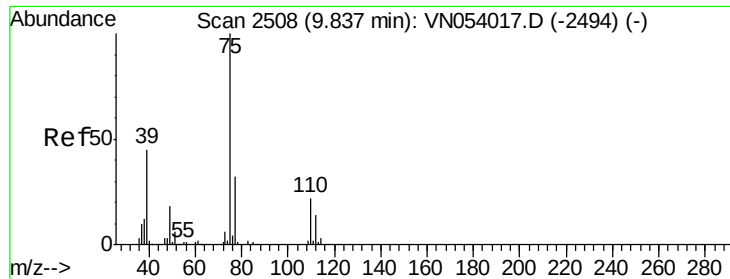
Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

77 16.0 25.6 38.4#





#49

cis-1,3-Dichloropropene

Concen: 0.006 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.25 min

Lab File: VN054058.D

Acq: 4 Mar 2019 10:15

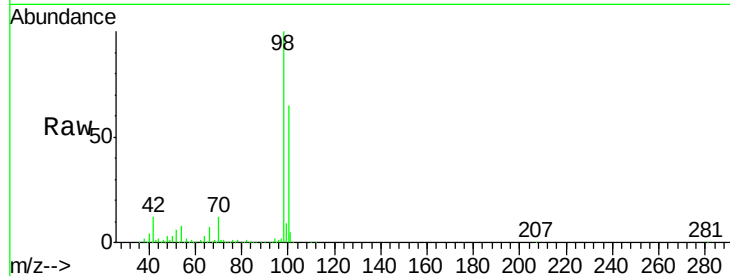
Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

77 16.0 25.4 38.0#

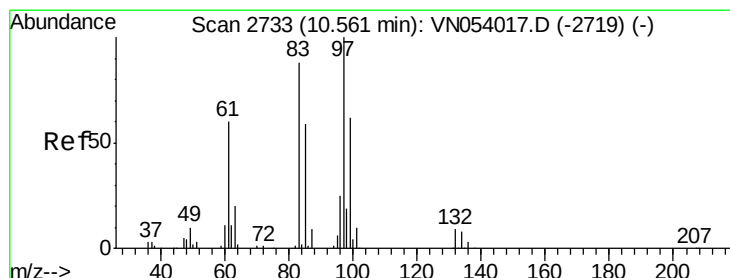
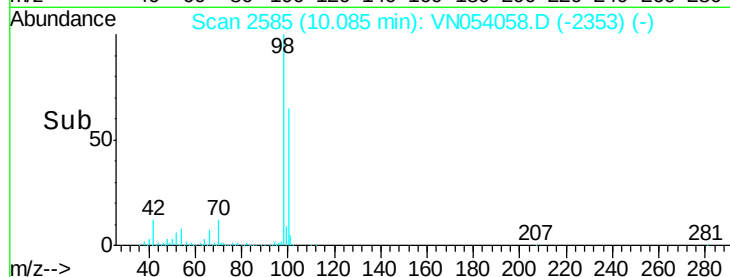
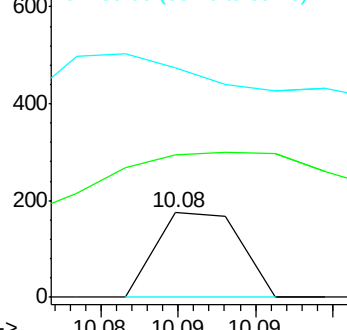
39 27.4 37.3 55.9#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 0.011 ug/l

RT: 10.21 min Scan# 2624

Delta R.T. -0.35 min

Lab File: VN054058.D

Acq: 4 Mar 2019 10:15

Tgt Ion: 97 Resp: 64

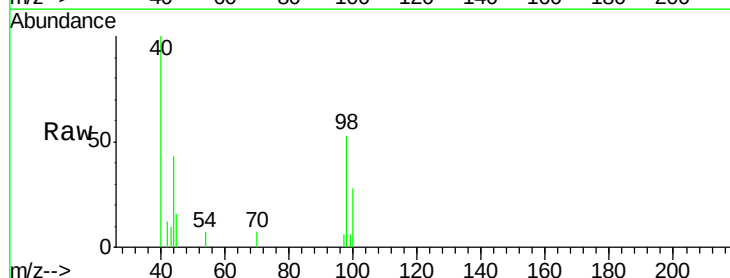
Ion Ratio Lower Upper

97 100

83 0.0 70.4 105.6#

85 0.0 45.0 67.6#

99 0.0 50.2 75.2#

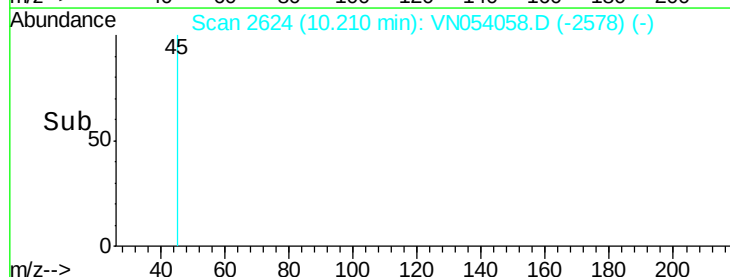
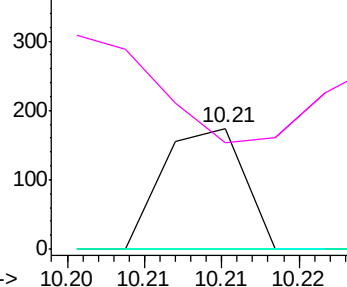


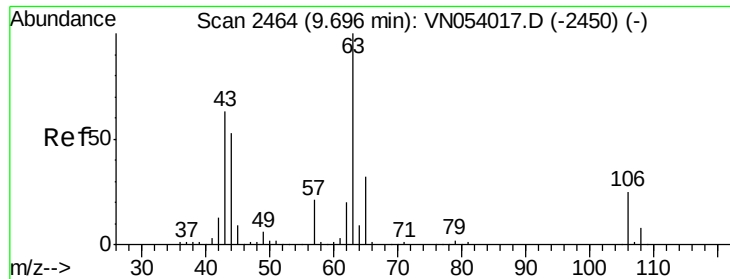
Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0

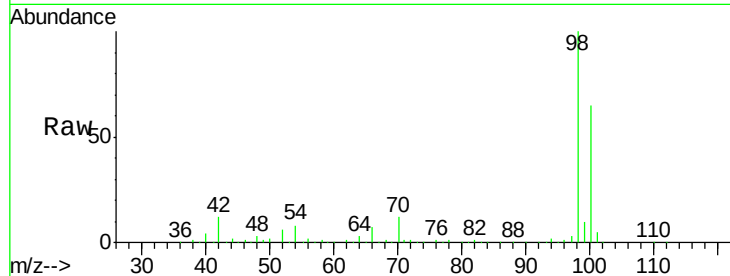




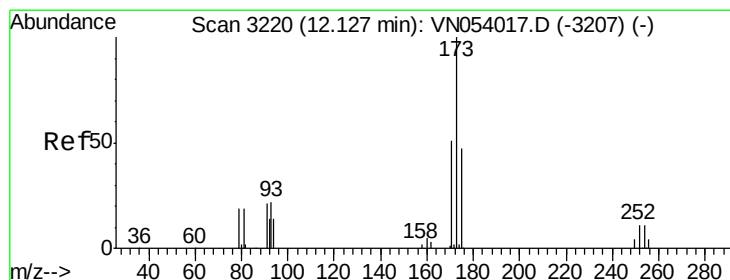
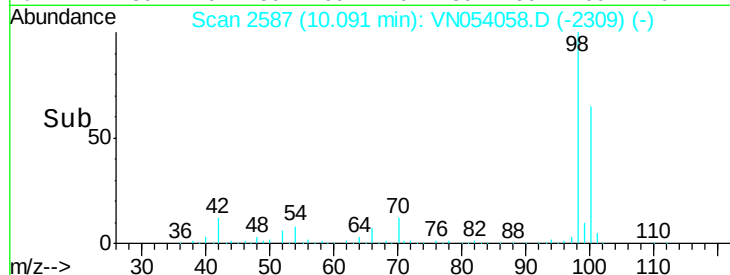
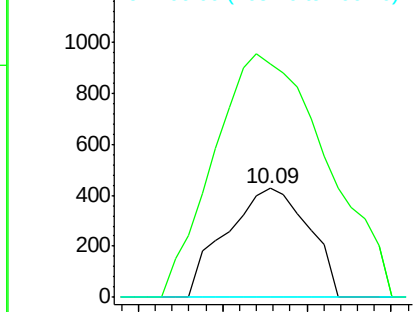
#55

2-Chloroethyl vinyl ether
 Concen: 0.174 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.40 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

Tot Ion	Ratio	Lower	Upper
63	100		
65	304.1	25.4	38.2#
106	0.0	20.4	30.6#



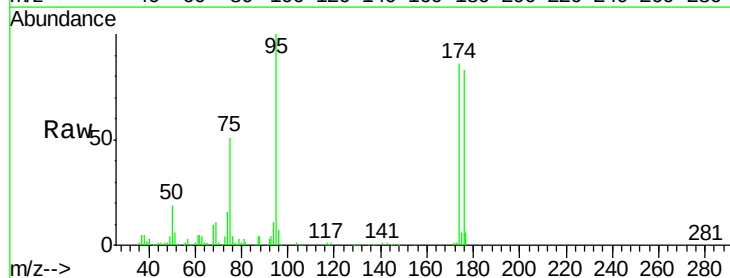
Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 65.00 (64.70 to 65.70): VN0
 Ion 106.00 (105.70 to 106.70): V



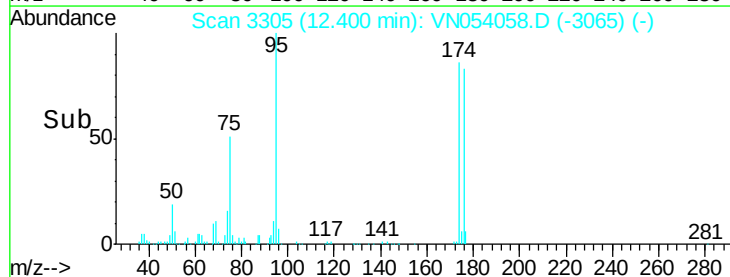
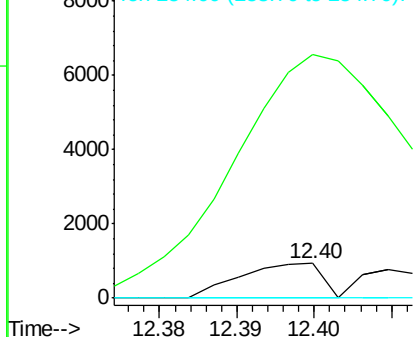
#56

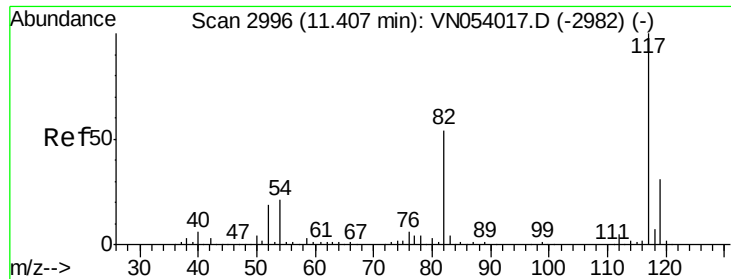
Bromoform
 Concen: 0.157 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.27 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

Tgt Ion	Ratio	Lower	Upper
173	100		
175	1642.5	38.7	58.1#
254	0.0	8.4	12.6#



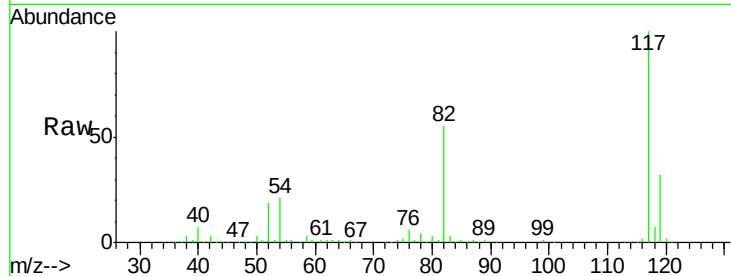
Abundance Ion 173.00 (172.70 to 173.70): V
 Ion 175.00 (174.70 to 175.70): V
 Ion 254.00 (253.70 to 254.70): V



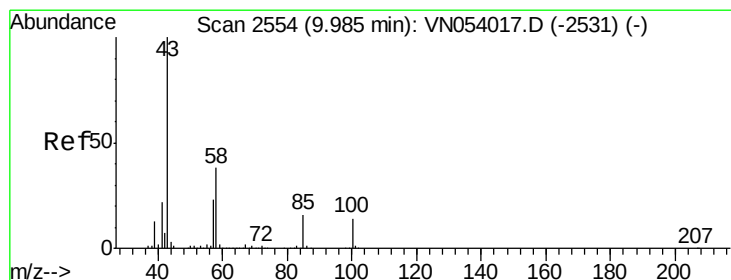
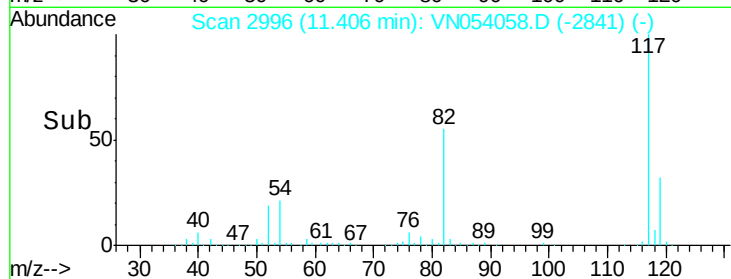
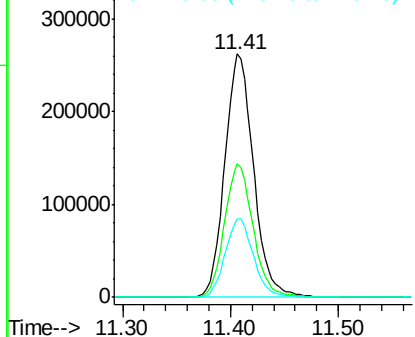


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

Tot Ion:117 Resp: 485965
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 32.0 25.4 38.2

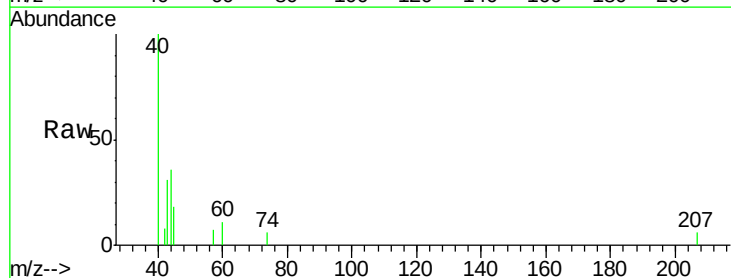


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VNO
Ion 119.00 (118.70 to 119.70): V

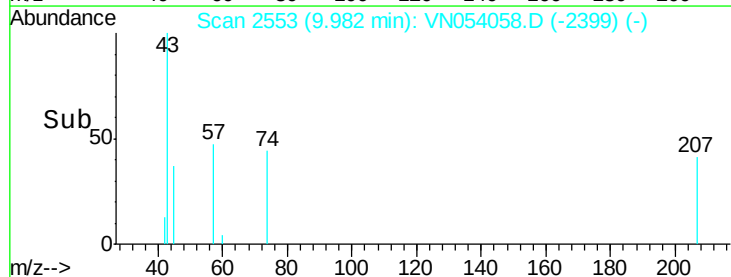
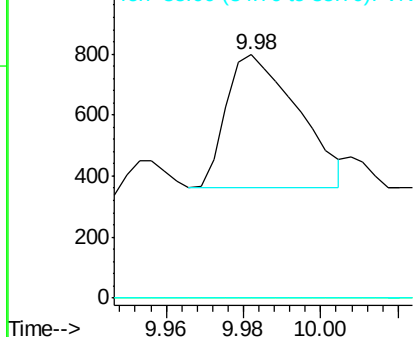


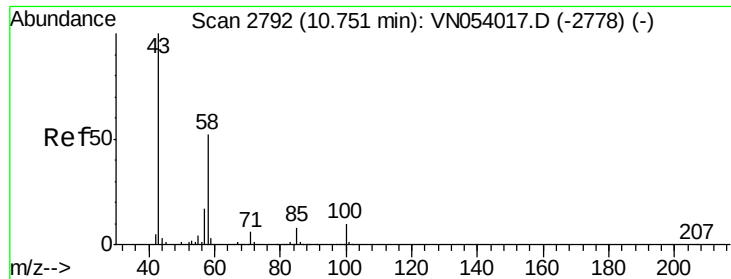
#58
4-Methyl-2-Pentanone
Concen: 0.103 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

Tgt Ion: 43 Resp: 562
Ion Ratio Lower Upper
43 100
58 0.0 31.6 47.4#
85 0.0 13.3 19.9#



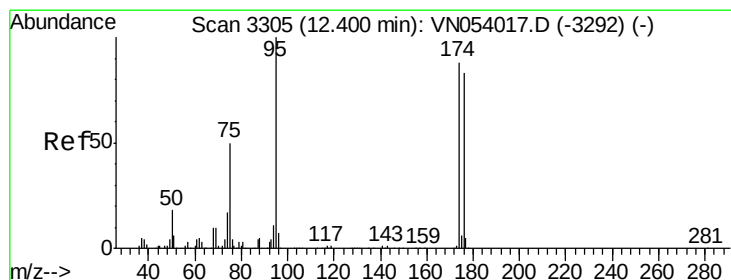
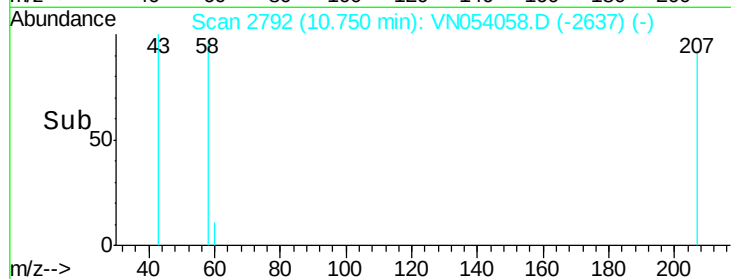
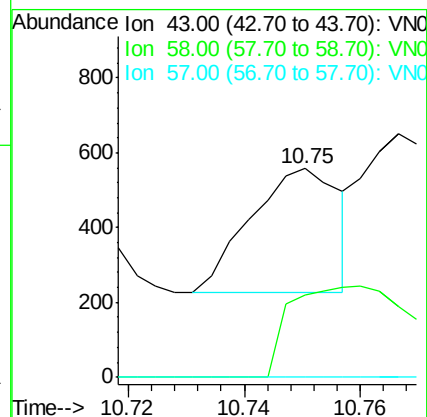
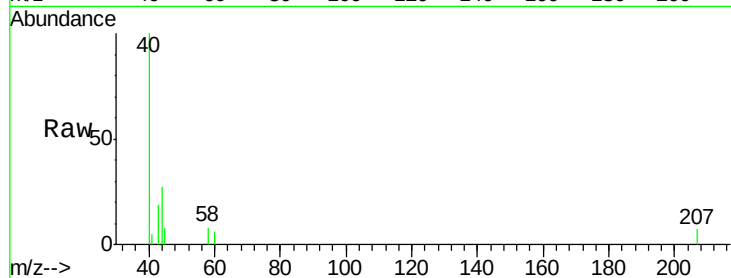
Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO
Ion 85.00 (84.70 to 85.70): VNO





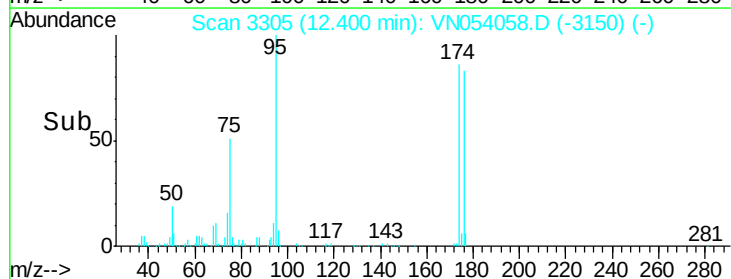
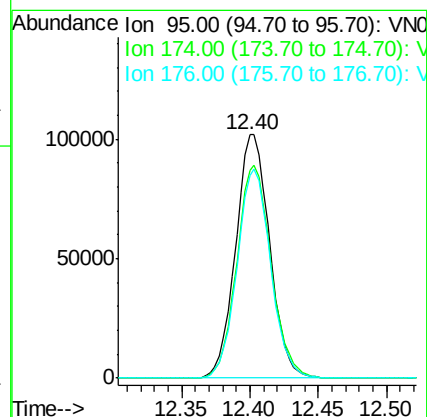
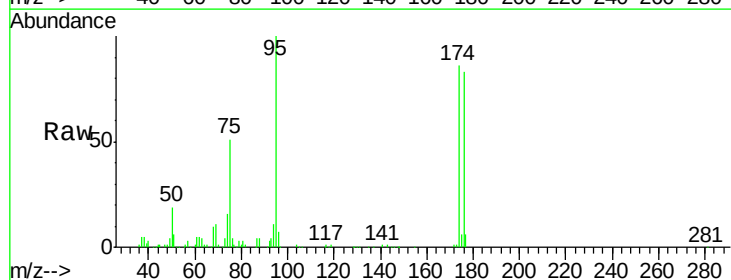
#59
2-Hexanone
Concen: 0.099 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

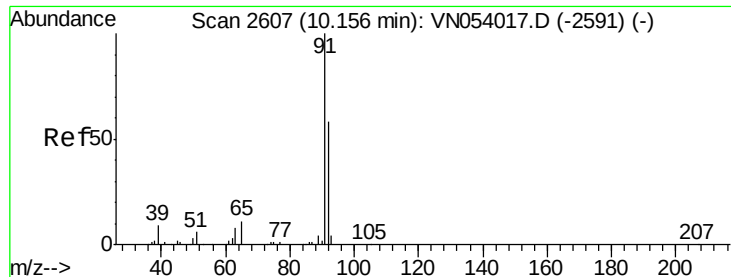
Tot Ion: 43 Resp: 354
Ion Ratio Lower Upper
43 100
58 0.0 43.2 64.8#
57 0.0 14.9 22.3#



#60
4-Bromofluorobenzene
Concen: 0.099 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

Tgt Ion: 95 Resp: 176312
Ion Ratio Lower Upper
95 100
174 88.3 67.9 101.9
176 84.5 66.4 99.6





#62

Toluene

Concen: 0.002 ug/l

RT: 10.17 min Scan# 2611

Delta R.T. 0.01 min

Lab File: VN054058.D

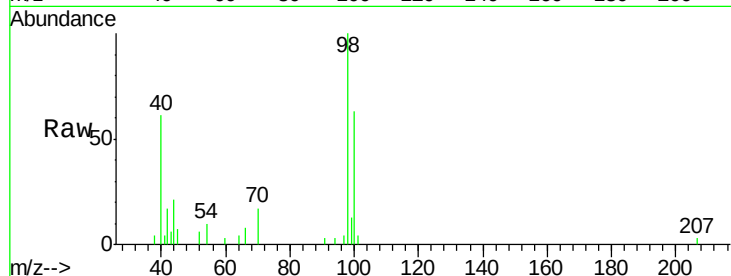
Acq: 4 Mar 2019 10:15

Tot Ion: 91 Resp: 66

Ion Ratio Lower Upper

91 100

92 0.0 45.4 68.2#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

10.17

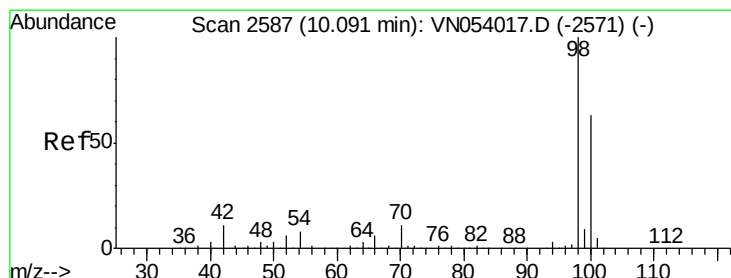
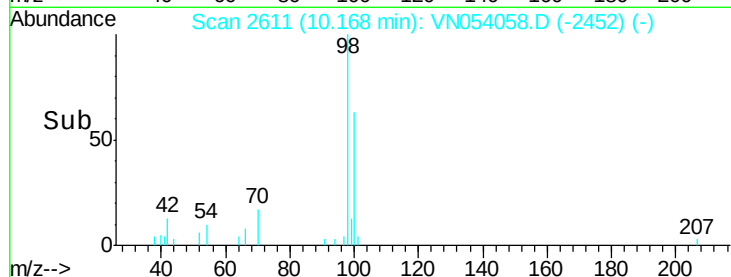
150

100

50

0

Time-->



#63

Toluene-d8

Concen: 0.002 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054058.D

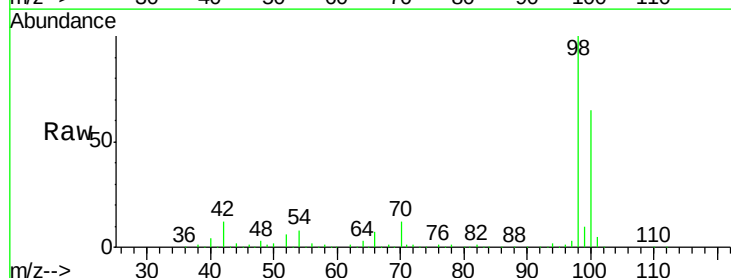
Acq: 4 Mar 2019 10:15

Tgt Ion: 98 Resp: 703613

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.09

400000

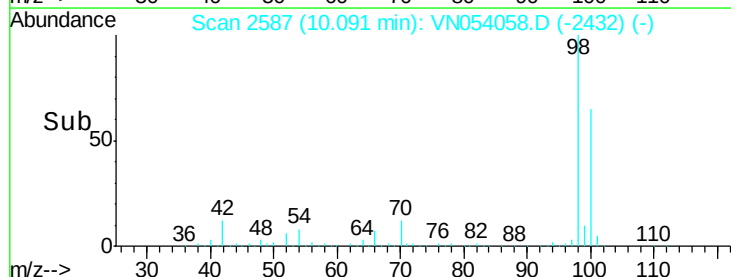
300000

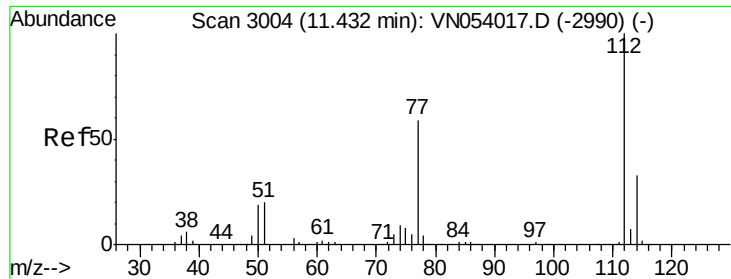
200000

100000

0

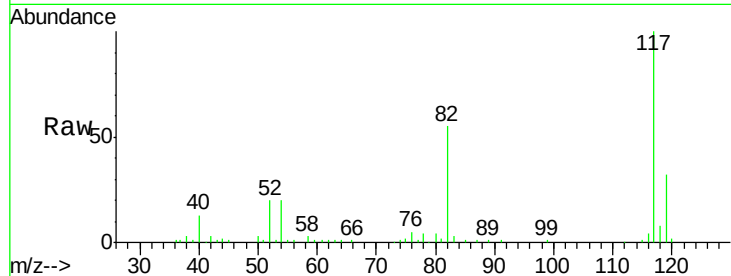
Time-->



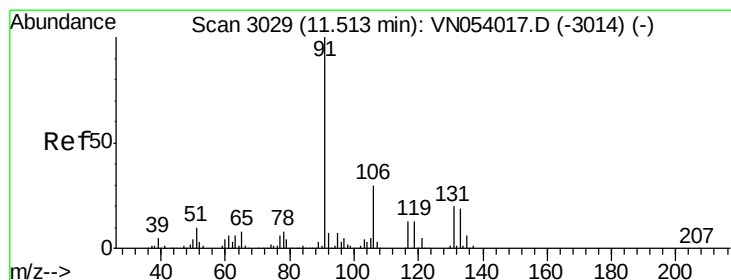
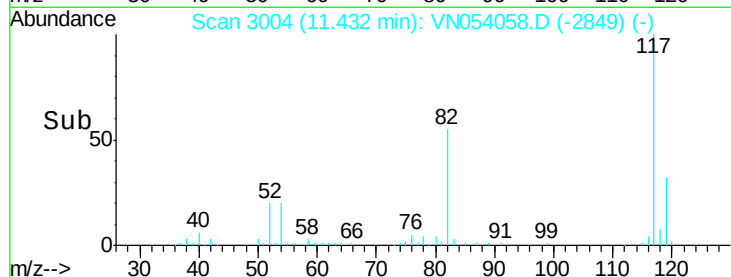
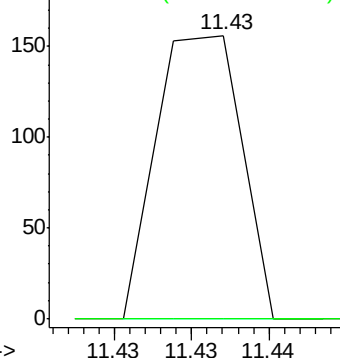


#64
Chlorobenzene
Concen: 0.004 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

Tot Ion: 112 Resp: 60
Ion Ratio Lower Upper
112 100
114 0.0 25.6 38.4#

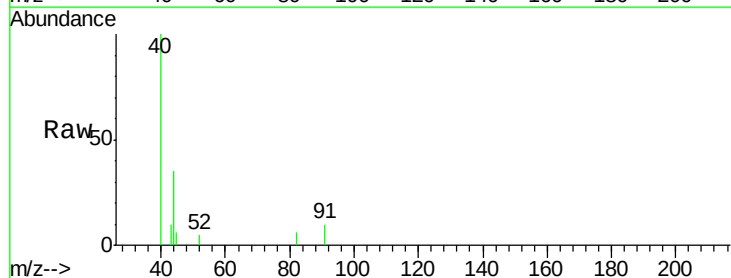


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V

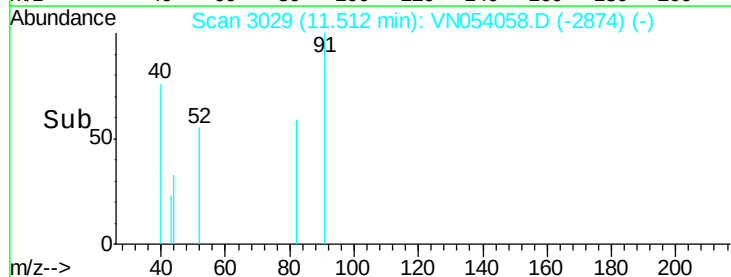
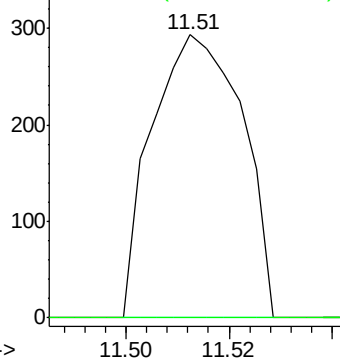


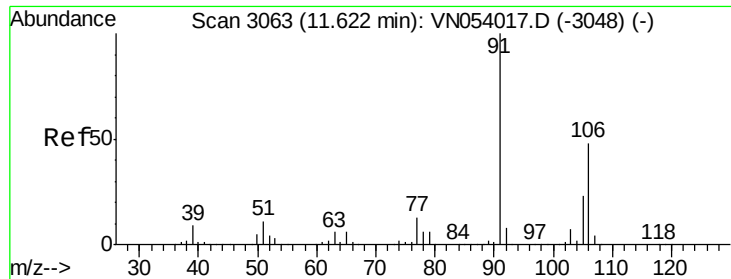
#66
Ethyl Benzene
Concen: 0.013 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

Tgt Ion: 91 Resp: 355
Ion Ratio Lower Upper
91 100
106 0.0 24.3 36.5#



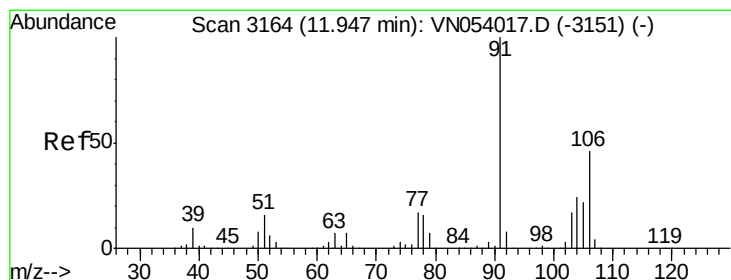
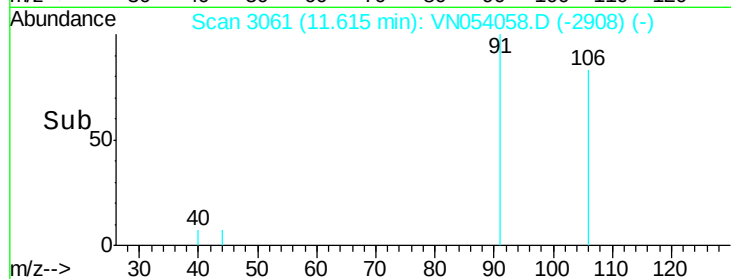
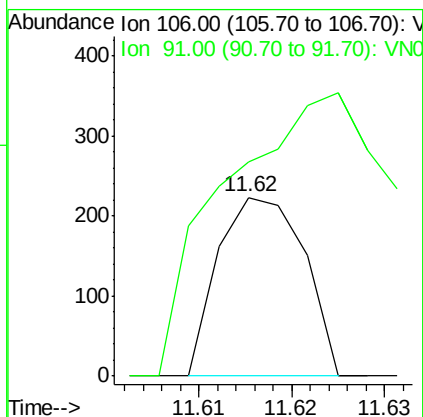
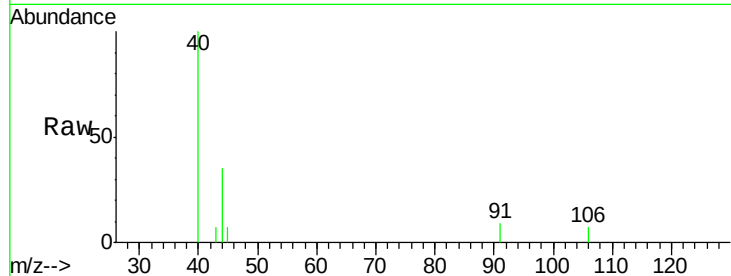
Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





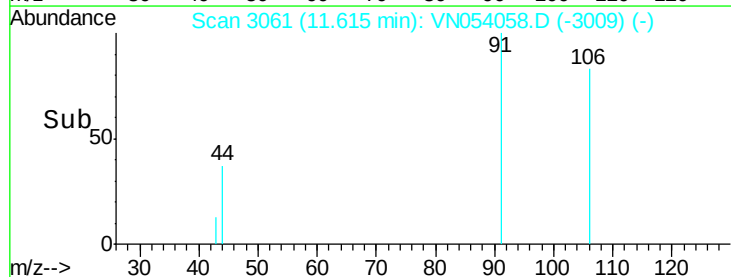
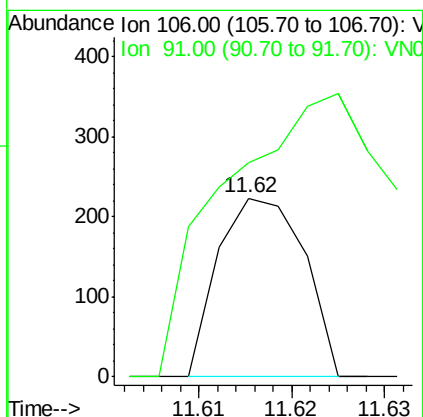
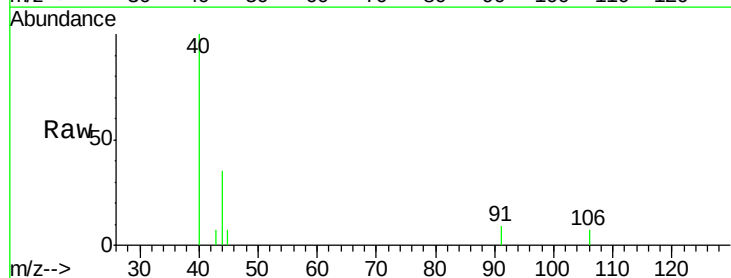
#67
m/p-Xylenes
Concen: 0.013 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

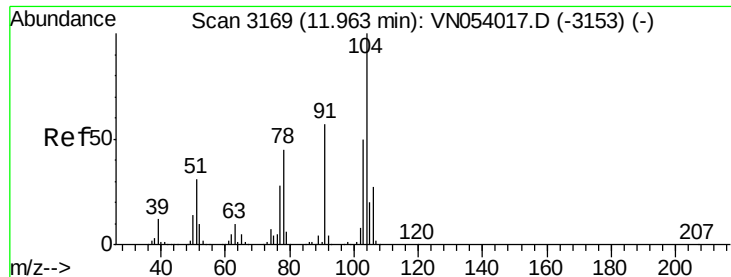
Tot Ion:106 Resp: 144
Ion Ratio Lower Upper
106 100
91 391.0 163.9 245.9#



#68
o-Xylene
Concen: 0.014 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.33 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

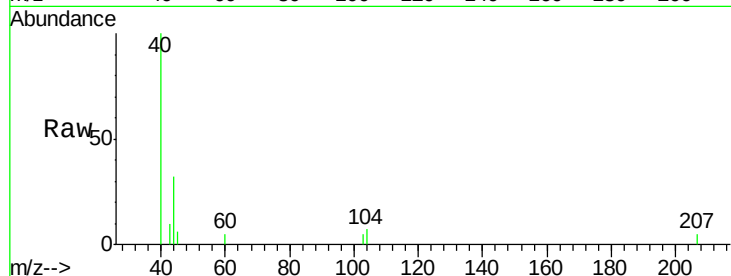
Tgt Ion:106 Resp: 144
Ion Ratio Lower Upper
106 100
91 391.0 107.8 323.4#



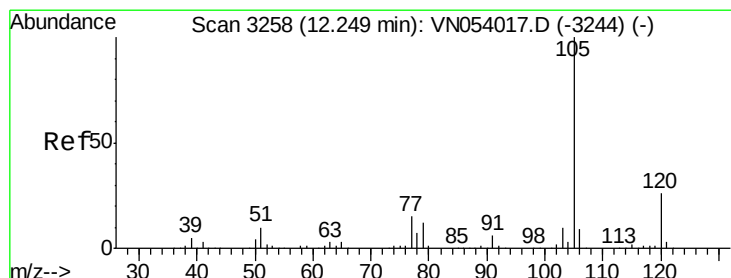
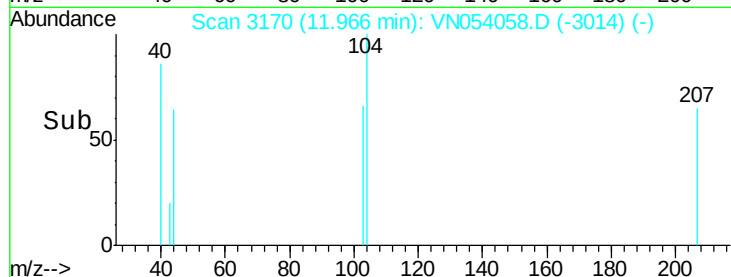
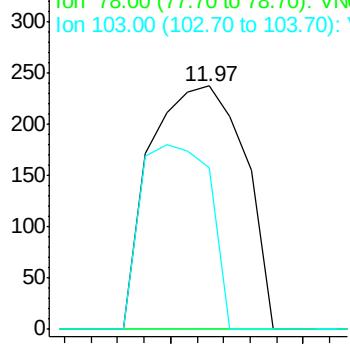


#69
Stvrene
Concen: 0.014 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

Tot Ion:104 Resp: 234
Ion Ratio Lower Upper
104 100
78 0.0 39.3 58.9#
103 56.0 44.6 66.8

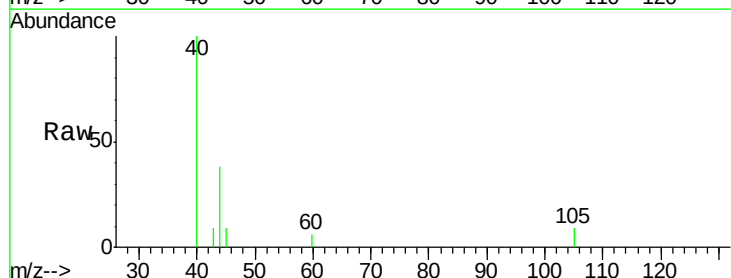


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

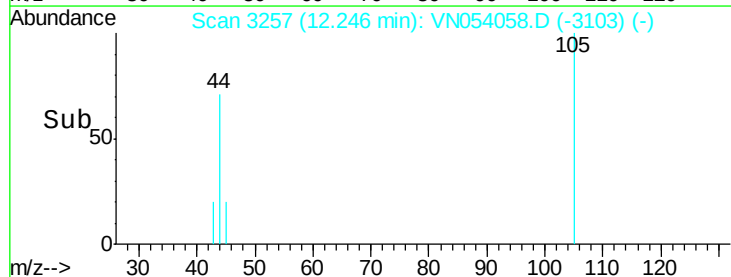
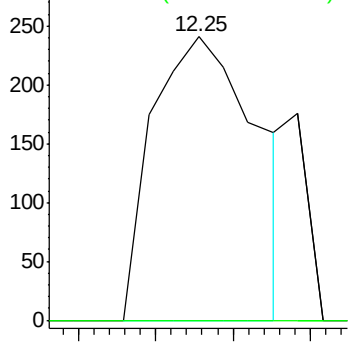


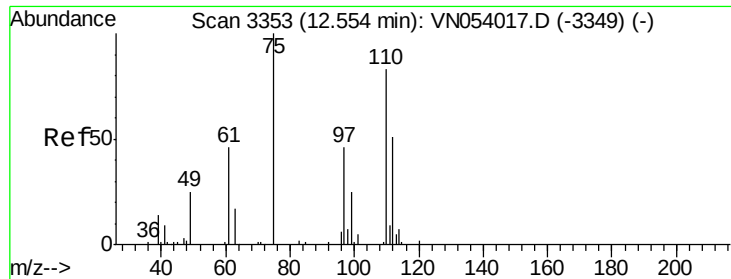
#70
Isopropylbenzene
Concen: 0.008 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

Tgt Ion:105 Resp: 226
Ion Ratio Lower Upper
105 100
120 0.0 18.6 34.6#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

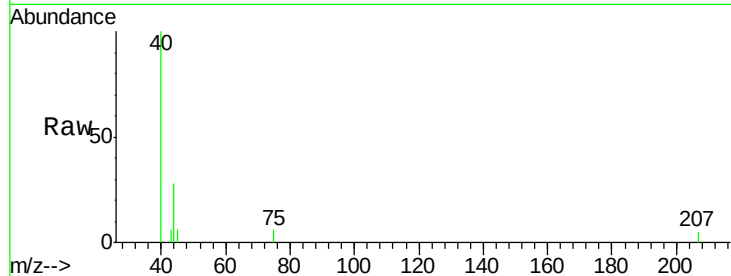




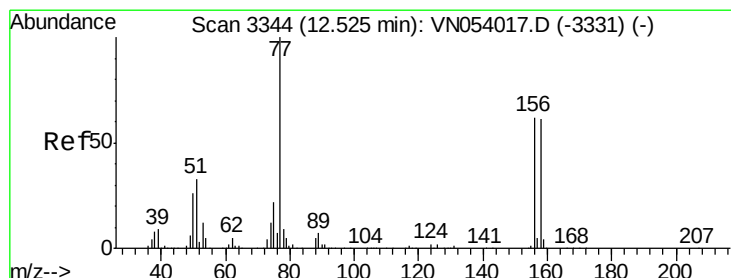
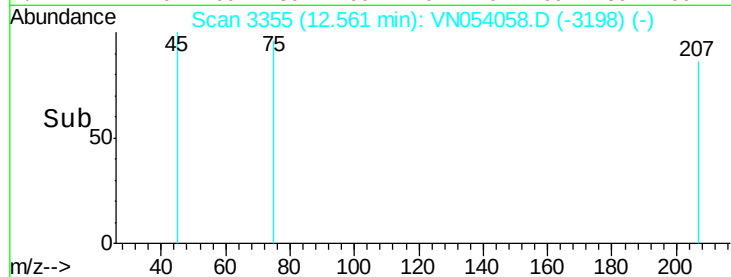
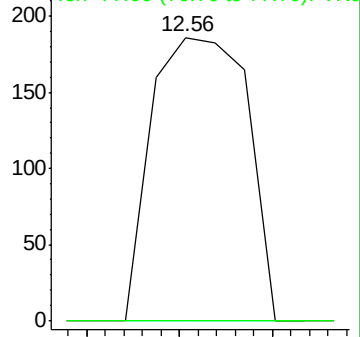
#72

1,2,3-Trichloropropane
Concen: 0.026 ug/l
RT: 12.56 min Scan# 3355
Delta R.T. 0.01 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

Tot Ion: 75 Resp: 134
Ion Ratio Lower Upper
75 100
77 203.0 0.0 514.8



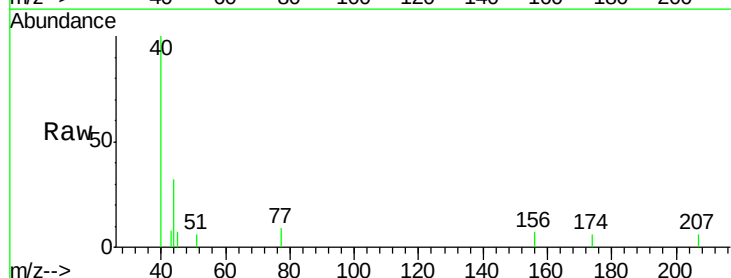
Abundance Ion 75.00 (74.70 to 75.70): VN054017.D (-3349) (-)



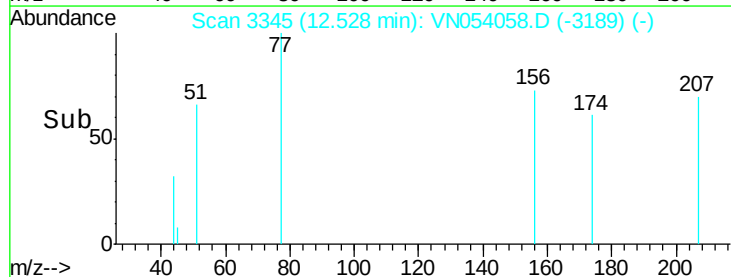
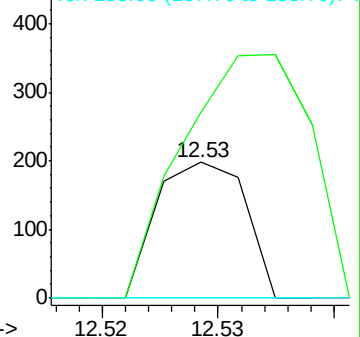
#73

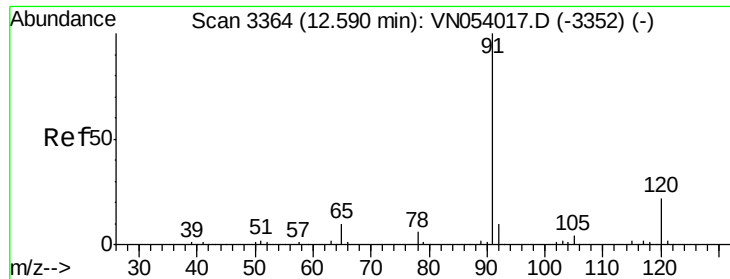
Bromobenzene
Concen: 0.015 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN054058.D
Acq: 4 Mar 2019 10:15

Tgt Ion: 156 Resp: 105
Ion Ratio Lower Upper
156 100
77 259.0 0.0 382.6
158 0.0 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): VN054017.D (-3331) (-)
Ion 77.00 (76.70 to 77.70): VN054017.D (-3331) (-)
Ion 158.00 (157.70 to 158.70): VN054017.D (-3331) (-)





#74

n-propylbenzene

Concen: 0.015 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054058.D

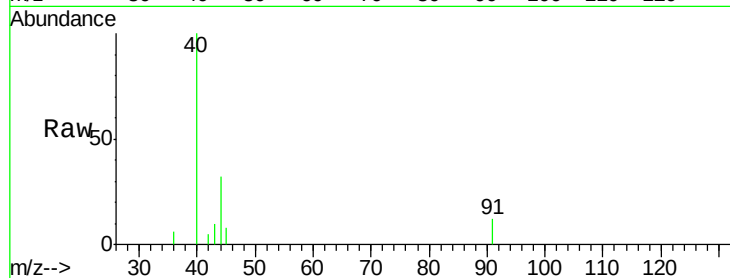
Acq: 4 Mar 2019 10:15

Tot Ion: 91 Resp: 470

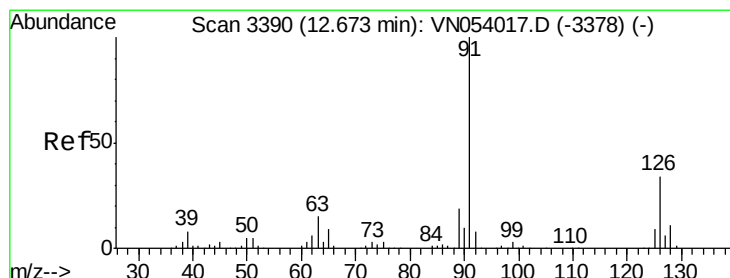
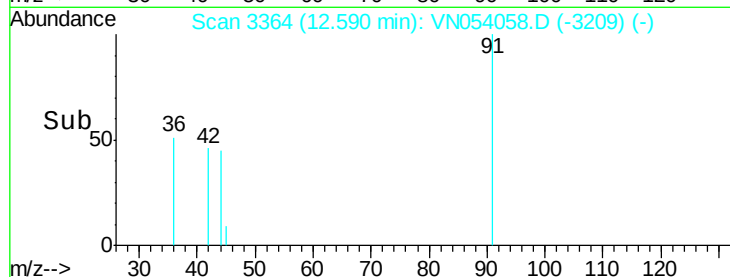
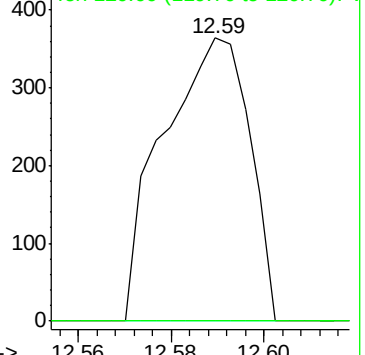
Ion Ratio Lower Upper

91 100

120 0.0 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN054017.D (-3352) (-)



#75

2-Chlorotoluene

Concen: 0.020 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN054058.D

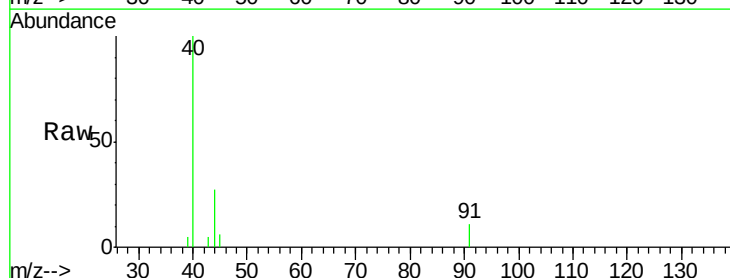
Acq: 4 Mar 2019 10:15

Tgt Ion: 91 Resp: 386

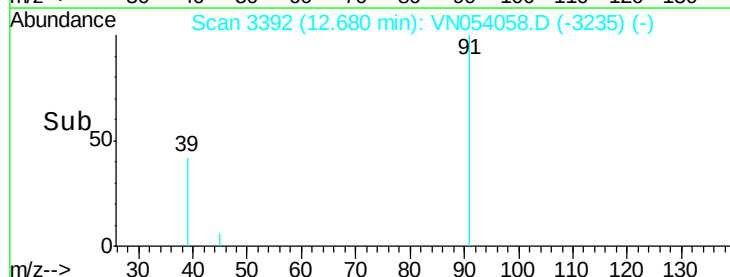
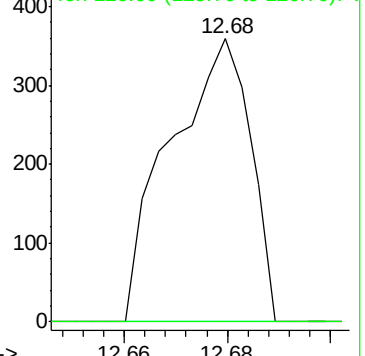
Ion Ratio Lower Upper

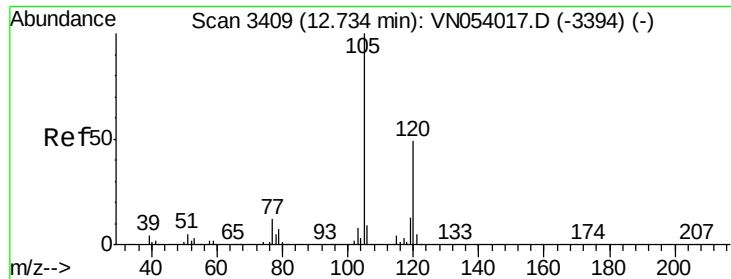
91 100

126 0.0 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN054017.D (-3378) (-)

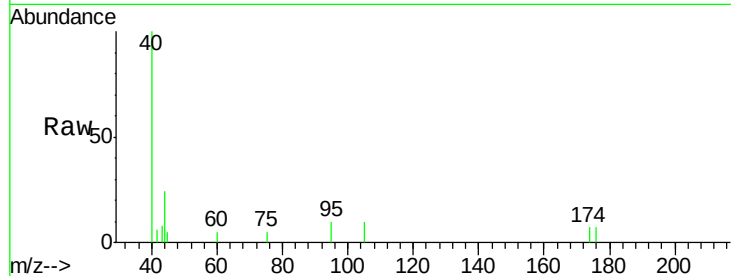




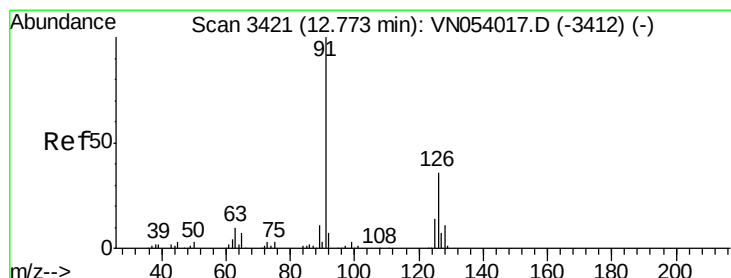
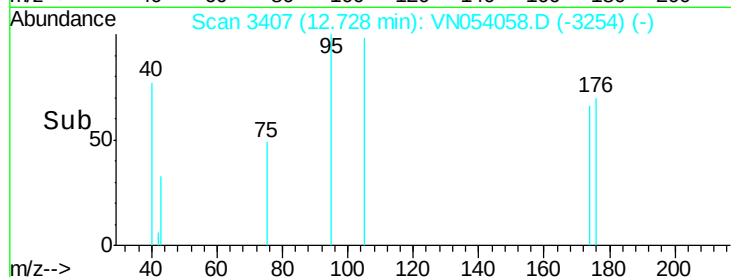
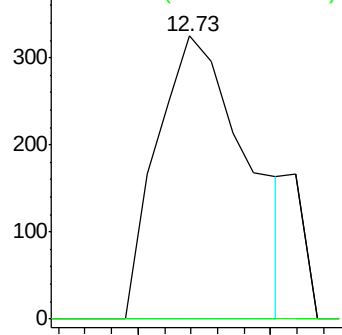
#76

1,3,5-Trimethylbenzene
 Concen: 0.013 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.01 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

Tot Ion	Ratio	Lower	Upper
105	100		
120	0.0	0.0	97.4



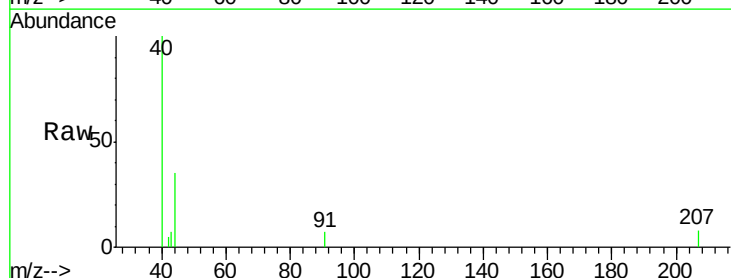
Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



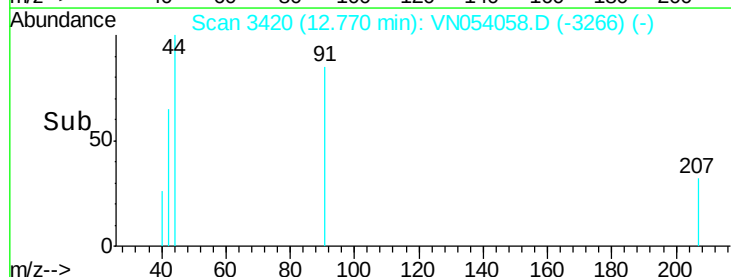
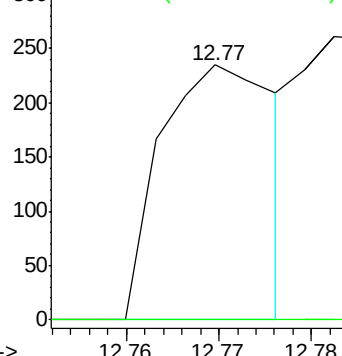
#78

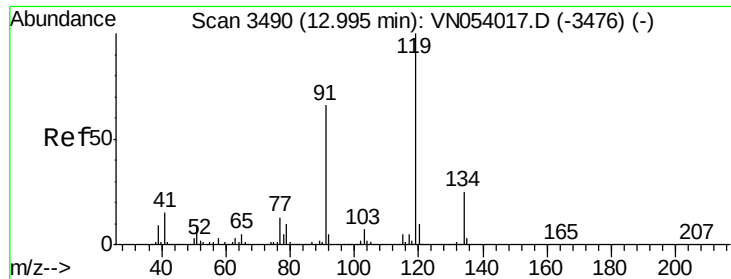
4-Chlorotoluene
 Concen: 0.011 ug/l
 RT: 12.77 min Scan# 3420
 Delta R.T. -0.00 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	0.0	68.2



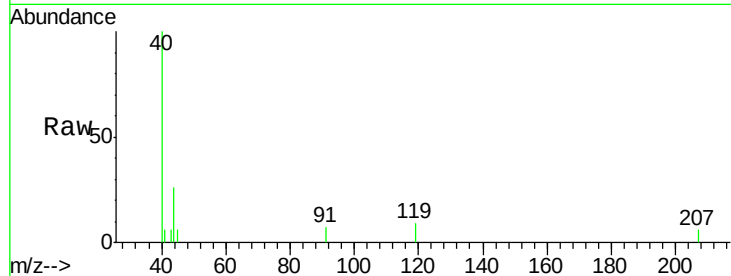
Abundance Ion 91.00 (90.70 to 91.70): VN0
 Ion 126.00 (125.70 to 126.70): V



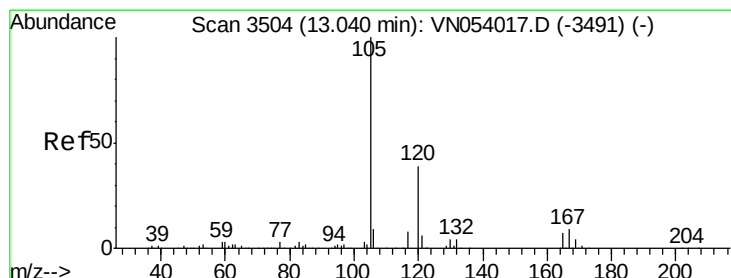
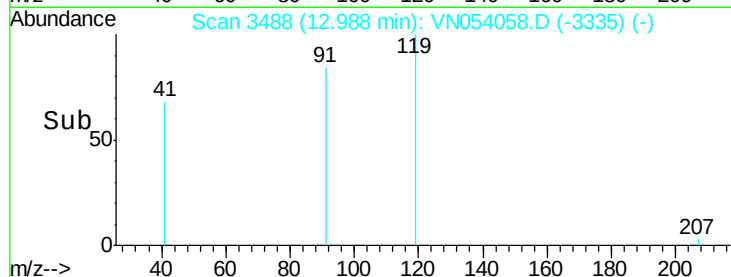
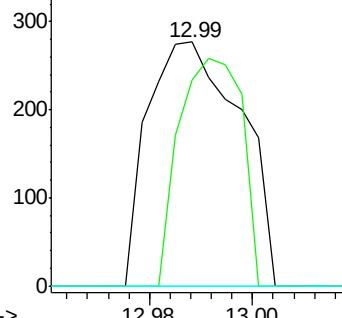


#79
 tert-butylbenzene
 Concen: 0.017 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.01 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

Tot Ion:119 Resp: 344
 Ion Ratio Lower Upper
 119 100
 91 63.4 0.0 129.8
 134 0.0 0.0 52.2

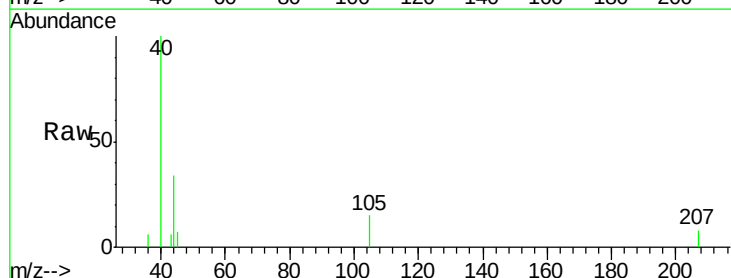


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

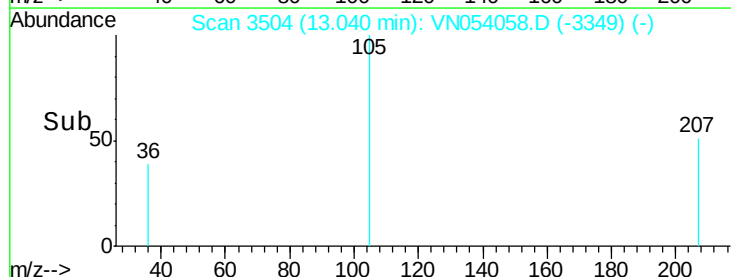
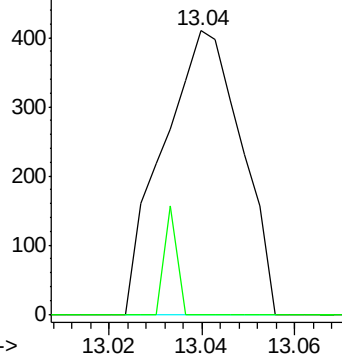


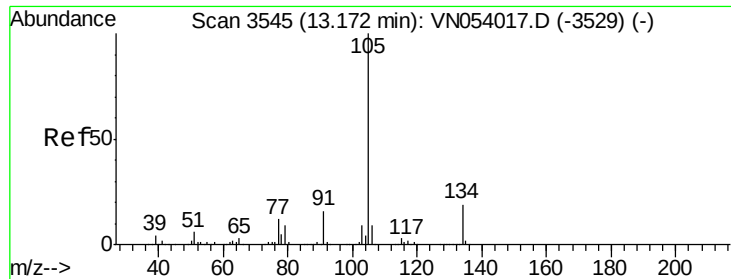
#80
 1,2,4-Trimethylbenzene
 Concen: 0.021 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

Tgt Ion:105 Resp: 480
 Ion Ratio Lower Upper
 105 100
 120 0.0 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 0.018 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN054058.D

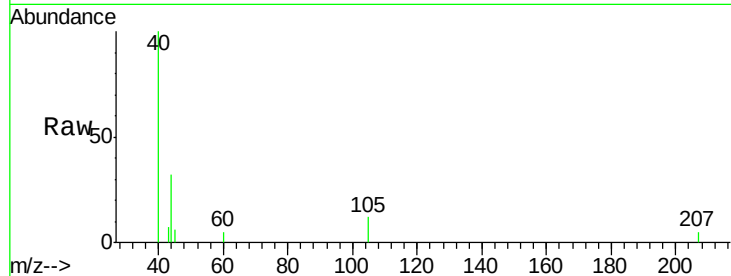
Acq: 4 Mar 2019 10:15

Tot Ion:105 Resp: 512

Ion Ratio Lower Upper

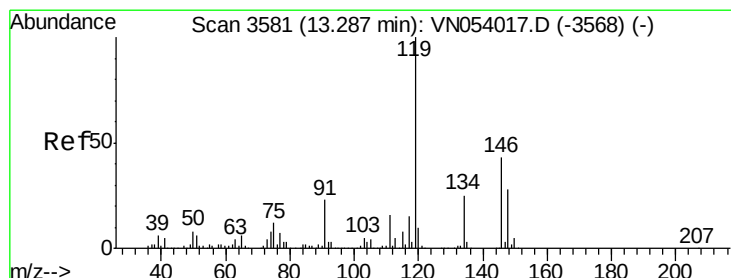
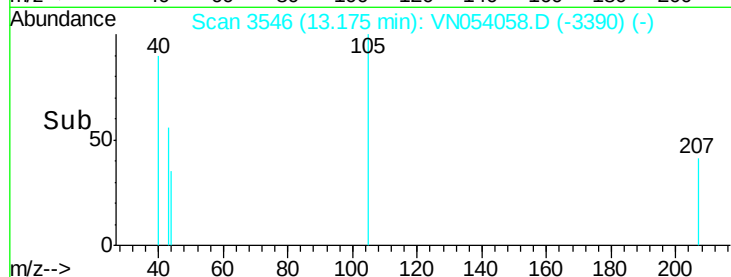
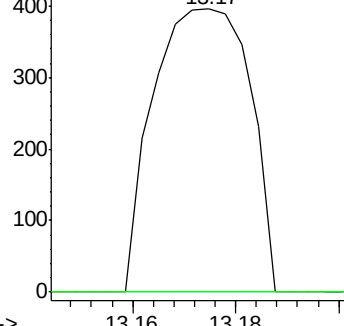
105 100

134 0.0 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 0.016 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN054058.D

Acq: 4 Mar 2019 10:15

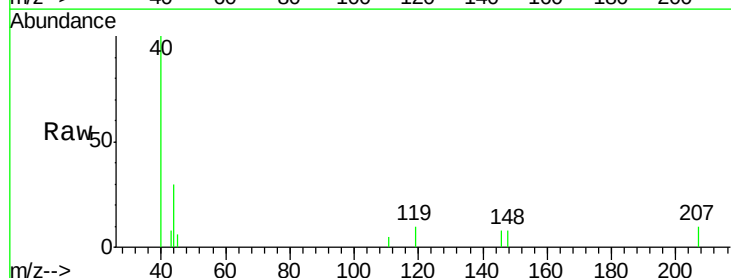
Tgt Ion:119 Resp: 384

Ion Ratio Lower Upper

119 100

134 0.0 0.0 52.6

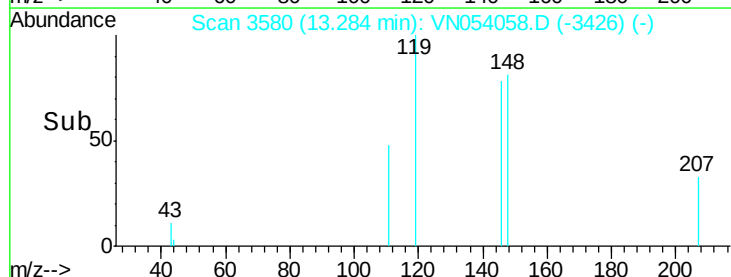
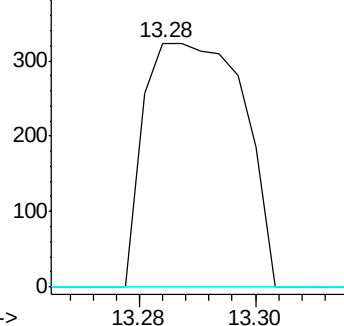
91 0.0 0.0 46.2

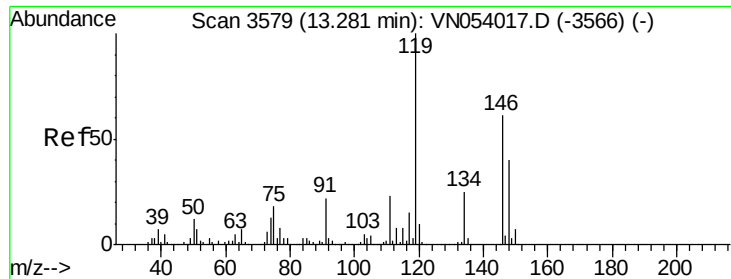


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

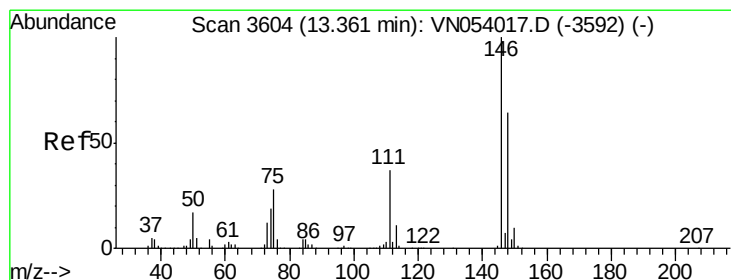
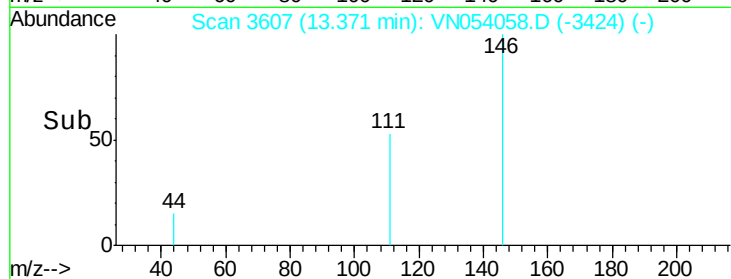
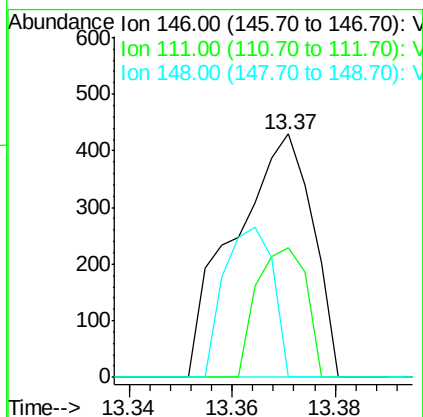
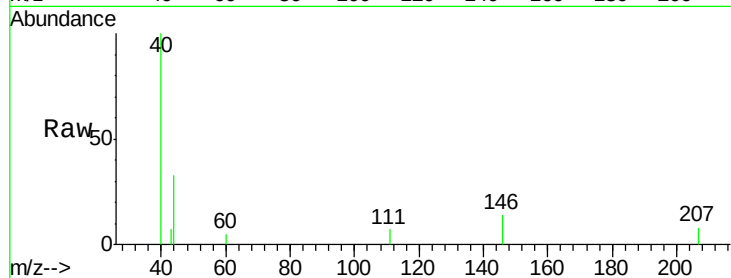
Ion 91.00 (90.70 to 91.70): V





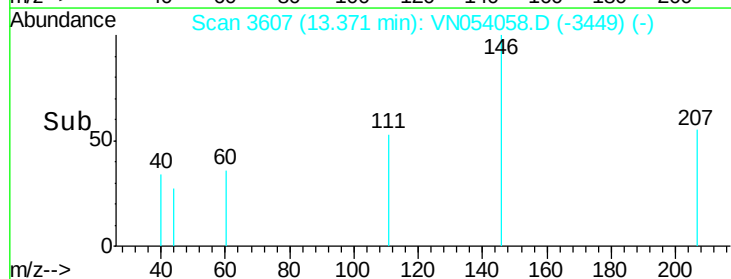
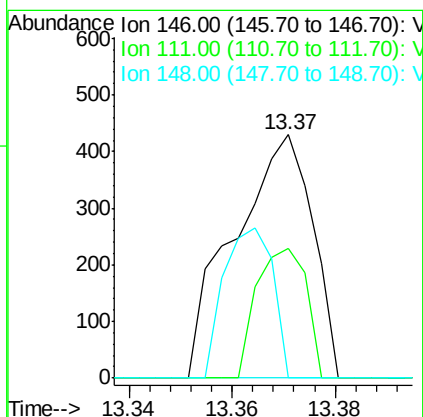
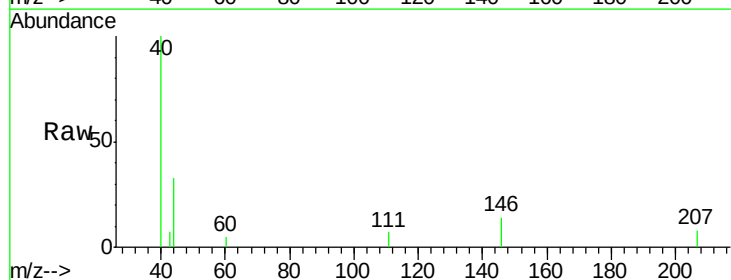
#83
 1,3-Dichlorobenzene
 Concen: 0.037 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.09 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

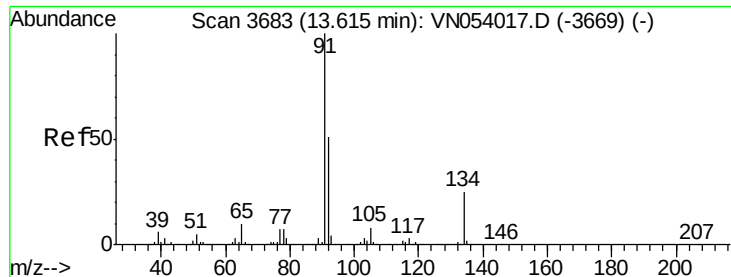
Tot Ion:146 Resp: 452
 Ion Ratio Lower Upper
 146 100
 111 33.6 19.7 59.0
 148 38.3 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 0.039 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.01 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

Tgt Ion:146 Resp: 452
 Ion Ratio Lower Upper
 146 100
 111 33.6 18.8 56.3
 148 38.3 32.5 97.4





#85

n-Butylbenzene

Concen: 0.021 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054058.D

Acq: 4 Mar 2019 10:15

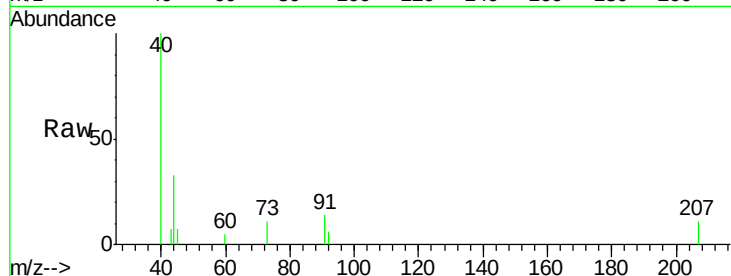
Tot Ion: 91 Resp: 436

Ion	Ratio	Lower	Upper
91	100		
92	52.1	0.0	104.2
134	0.0	0.0	50.6

91 100

92 52.1 0.0 104.2

134 0.0 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0

Time-->

13.62

13.60

13.62

13.64

13.66

13.68

13.70

13.72

13.74

13.76

13.78

13.80

13.82

13.84

13.86

13.88

13.90

13.92

13.94

13.96

13.98

14.00

14.02

14.04

14.06

14.08

14.10

14.12

14.14

14.16

14.18

14.20

14.22

14.24

14.26

14.28

14.30

14.32

14.34

14.36

14.38

14.40

14.42

14.44

14.46

14.48

14.50

14.52

14.54

14.56

14.58

14.60

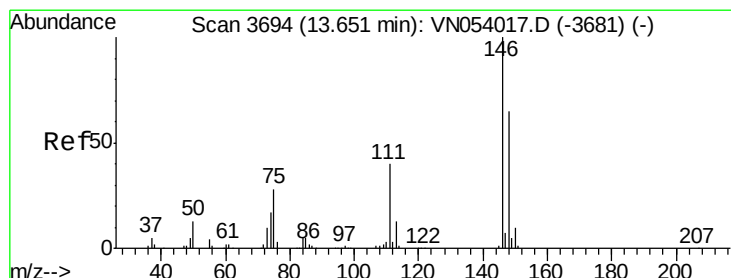
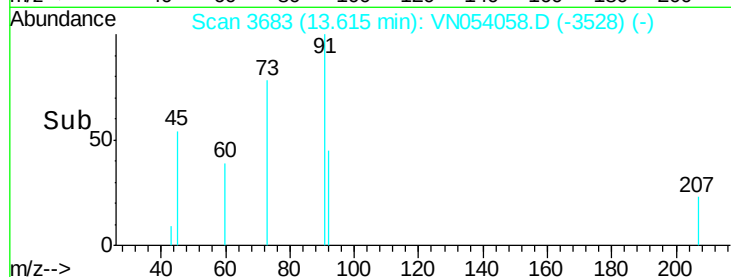
14.62

14.64

14.66

14.68

14.70



#87

1,2-Dichlorobenzene

Concen: 0.039 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. -0.28 min

Lab File: VN054058.D

Acq: 4 Mar 2019 10:15

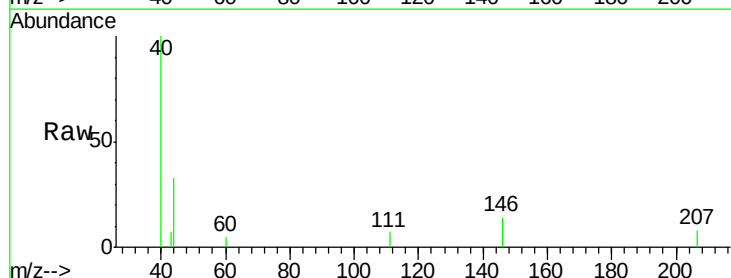
Tgt Ion: 146 Resp: 452

Ion	Ratio	Lower	Upper
146	100		
111	33.6	20.3	60.8
148	38.3	32.1	96.5

146 100

111 33.6 20.3 60.8

148 38.3 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

Time-->

13.37

13.34

13.36

13.38

13.40

13.42

13.44

13.46

13.48

13.50

13.52

13.54

13.56

13.58

13.60

13.62

13.64

13.66

13.68

13.70

13.72

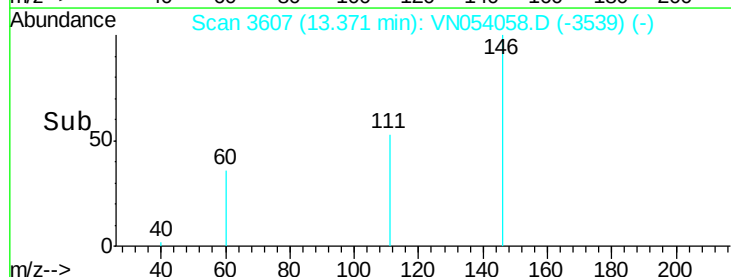
13.74

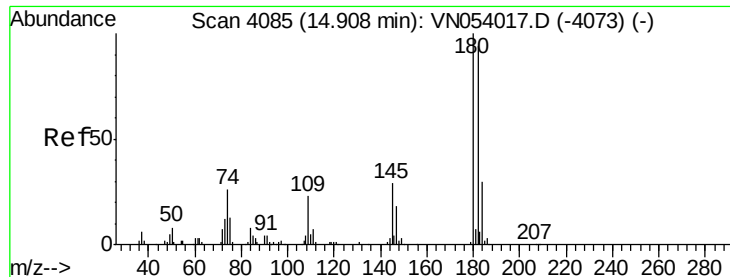
13.76

13.78

13.80

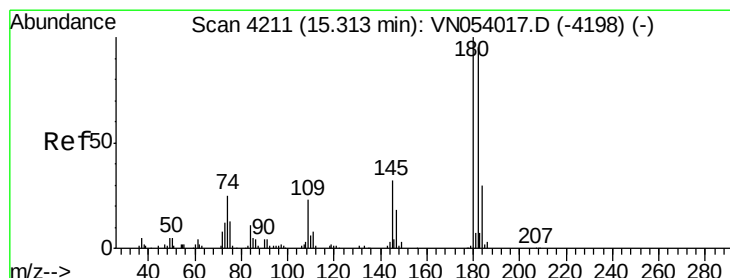
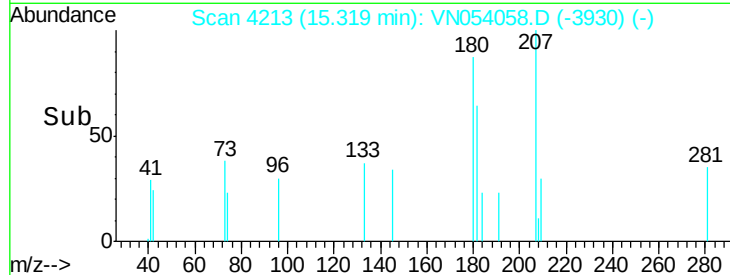
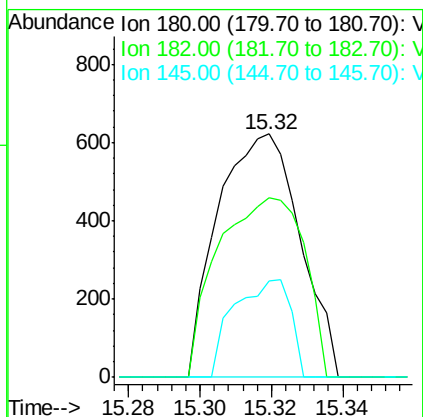
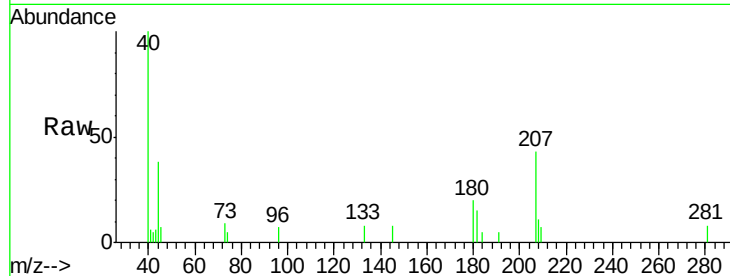
13.82





#89
 1,2,4-Trichlorobenzene
 Concen: 0.166 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.41 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

Tot Ion:180 Resp: 988
 Ion Ratio Lower Upper
 180 100
 182 77.6 76.6 114.8
 145 27.6 23.6 35.4



#92
 1,2,3-Trichlorobenzene
 Concen: 0.168 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN054058.D
 Acq: 4 Mar 2019 10:15

Tgt Ion:180 Resp: 988
 Ion Ratio Lower Upper
 180 100
 182 77.6 0.0 196.2
 145 27.6 0.0 62.2

