

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020719\
 Data File : VN053651.D
 Acq On : 7 Feb 2019 13:13
 Operator : JC/SP
 Sample : PB116887ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

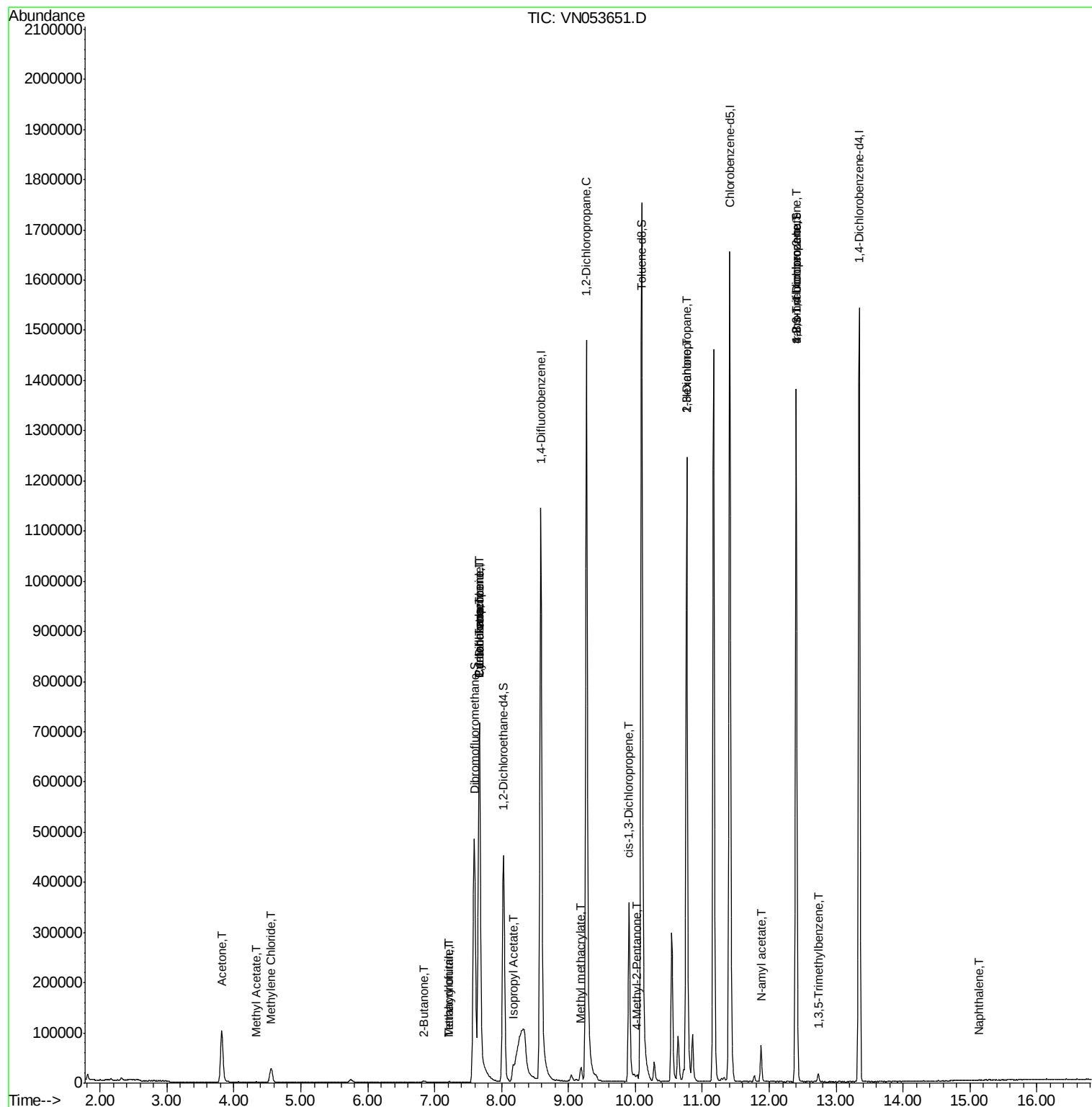
Quant Time: Feb 09 00:28:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

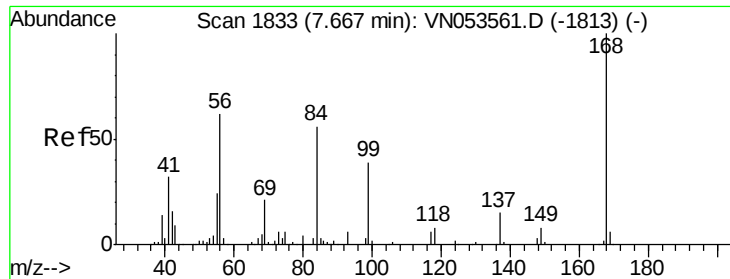
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	732264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1213327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1108630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	459246	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	390241	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
35) Dibromofluoromethane	7.59	113	385602	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	10.09	98	1458762	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.40	95	478144	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	178067	94.502	ug/l	98
18) Methyl Acetate	4.34	43	3527	0.632	ug/l #	74
20) Methylene Chloride	4.55	84	22343	2.826	ug/l	95
25) 2-Butanone	6.84	43	4250	1.581	ug/l	100
29) Tetrahydrofuran	7.20	42	490	0.284	ug/l #	33
31) Cyclohexane	7.67	56	10923	0.712	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44247	4.045	ug/l #	46
38) Carbon Tetrachloride	7.67	117	61206	5.555	ug/l #	16
41) Methacrylonitrile	7.22	41	690	0.202	ug/l #	27
43) Isopropyl Acetate	8.17	43	32179	2.728	ug/l #	83
45) 1,2-Dichloropropane	9.26	63	1859	0.215	ug/l #	43
48) Methyl methacrylate	9.18	41	10736	1.907	ug/l #	12
51) 4-Methyl-2-Pentanone	10.02	43	9119	1.573	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	75409	5.878	ug/l #	64
57) 1,3-Dichloropropane	10.77	76	14891	1.208	ug/l #	43
59) 2-Hexanone	10.77	43	189989	48.276	ug/l #	51
74) N-amyl acetate	11.88	43	21922	2.824	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	223038	37.811	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	8487	0.317	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	223038	106.322	ug/l #	15
95) Naphthalene	15.14	128	335	1.752	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053651.D

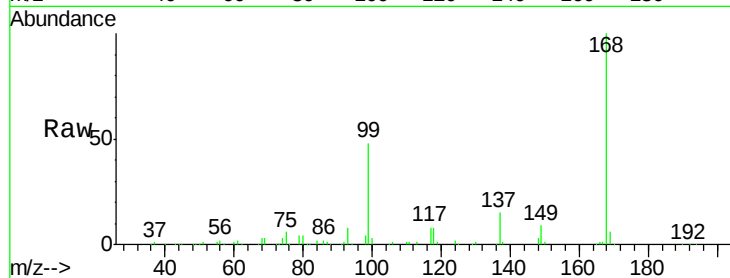
Acq: 7 Feb 2019 13:13

Tot Ion:168 Resp: 732264

Ion Ratio Lower Upper

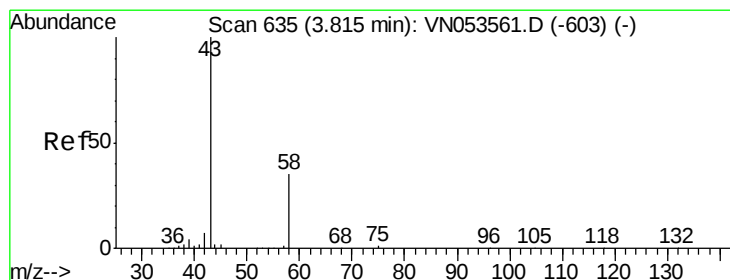
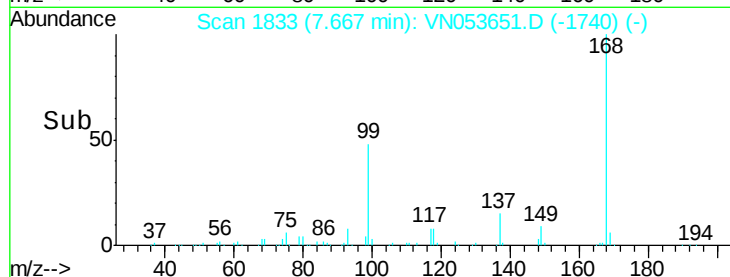
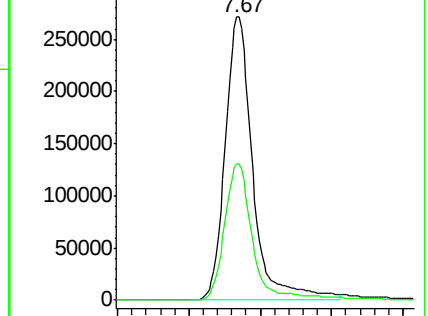
168 100

99 48.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 94.502 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053651.D

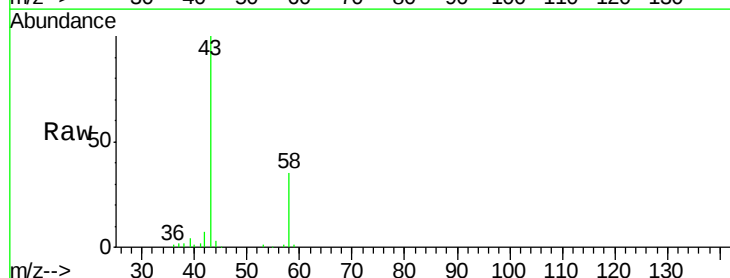
Acq: 7 Feb 2019 13:13

Tgt Ion: 43 Resp: 178067

Ion Ratio Lower Upper

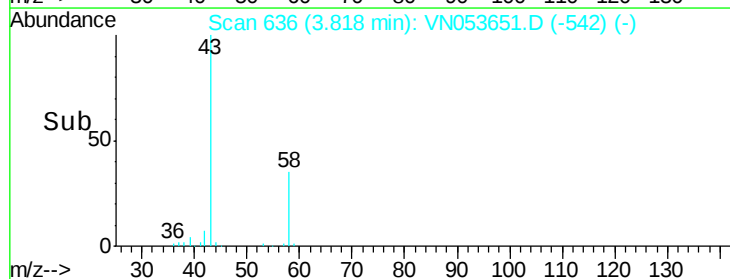
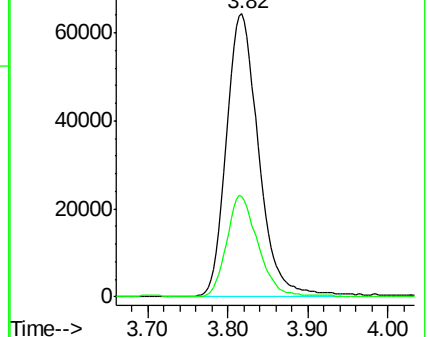
43 100

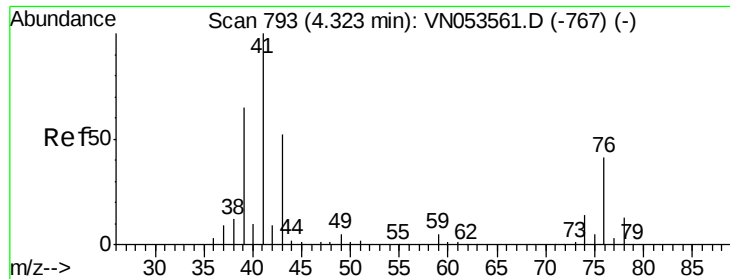
58 35.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

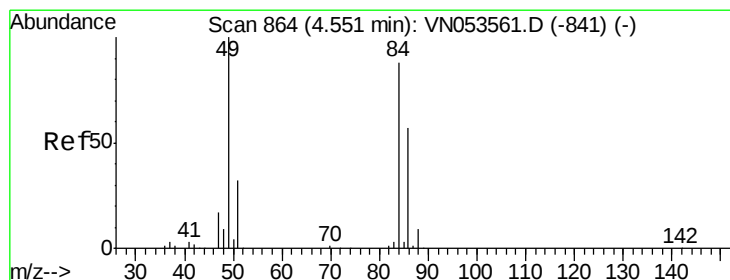
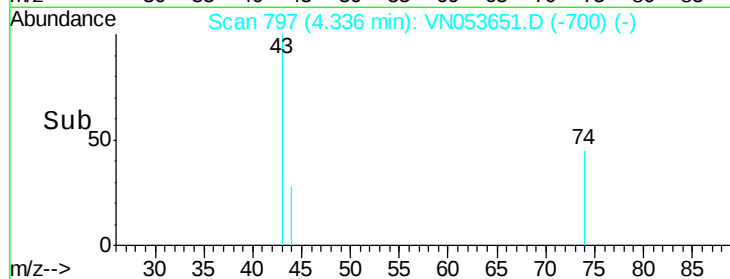
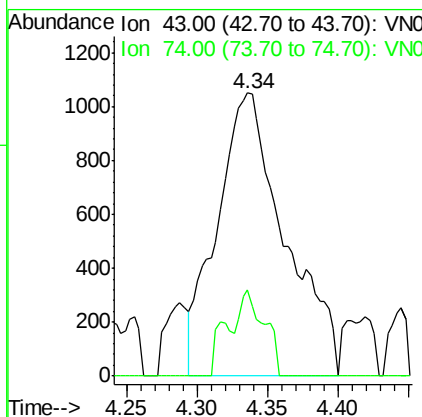
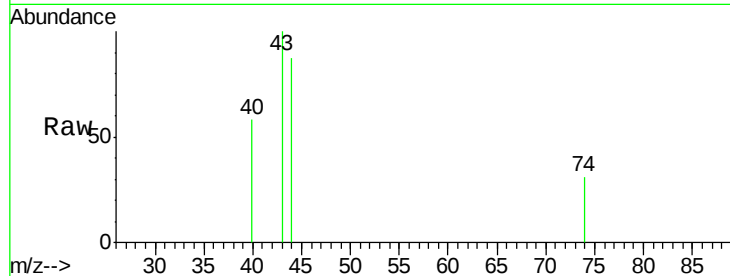
Ion 58.00 (57.70 to 58.70): VNO





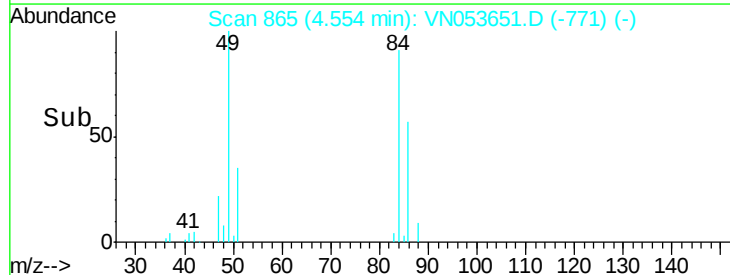
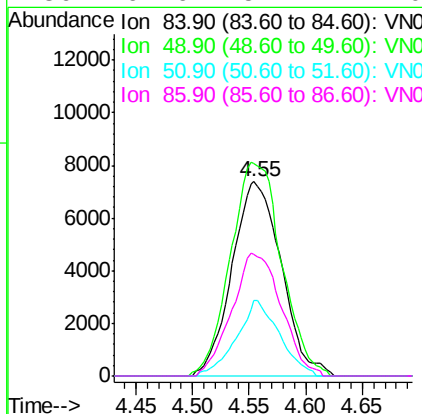
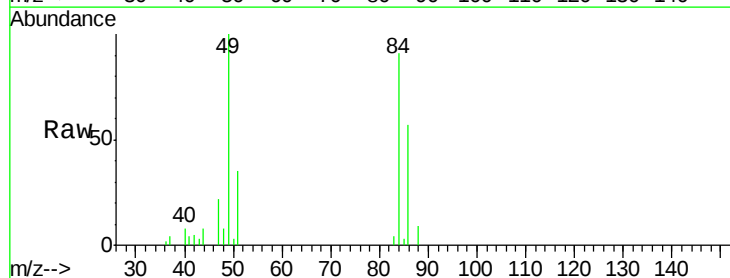
#18
Methyl Acetate
Concen: 0.632 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053651.D
Acq: 7 Feb 2019 13:13

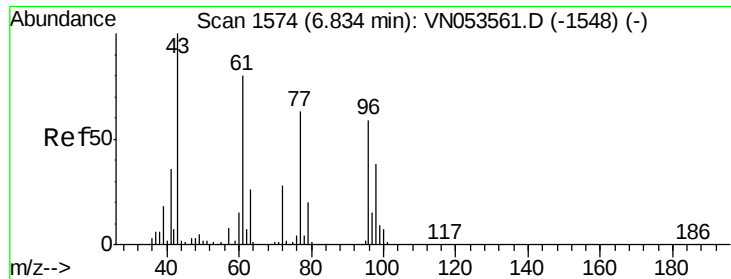
Tot Ion: 43 Resp: 3527
Ion Ratio Lower Upper
43 100
74 11.2 19.4 29.2#



#20
Methylene Chloride
Concen: 2.826 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053651.D
Acq: 7 Feb 2019 13:13

Tgt Ion: 84 Resp: 22343
Ion Ratio Lower Upper
84 100
49 109.8 94.3 141.5
51 38.7 29.4 44.2
86 62.6 51.4 77.0





#25

2-Butanone

Concen: 1.581 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN053561.D

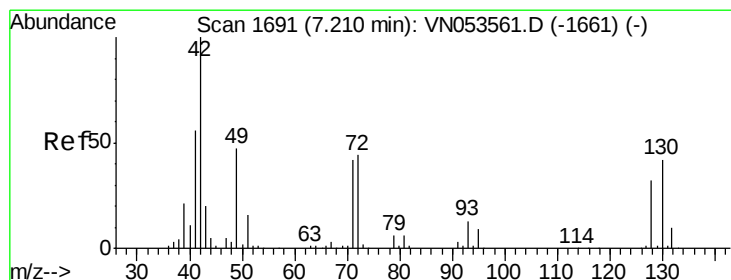
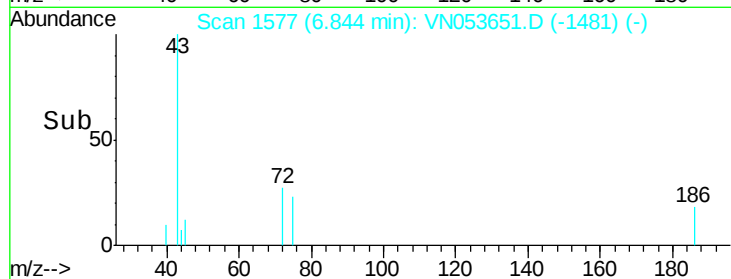
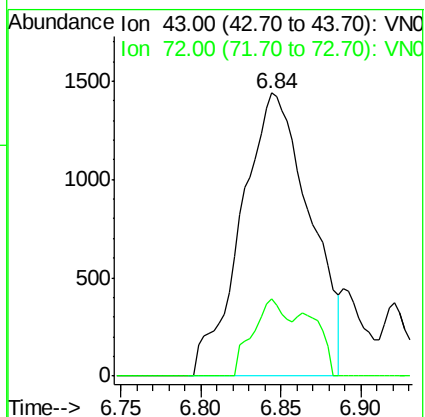
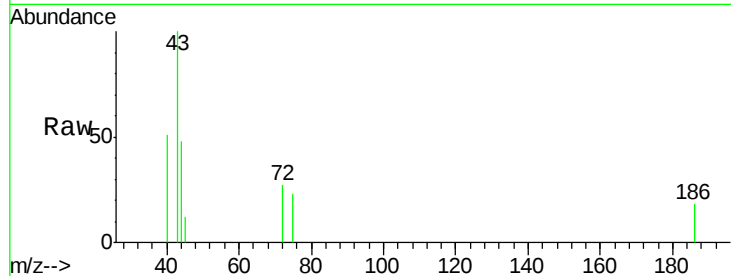
Acq: 7 Feb 2019 13:13

Tot Ion: 43 Resp: 4250

Ion Ratio Lower Upper

43 100

72 27.2 22.0 33.0



#29

Tetrahydrofuran

Concen: 0.284 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VN053561.D

Acq: 7 Feb 2019 13:13

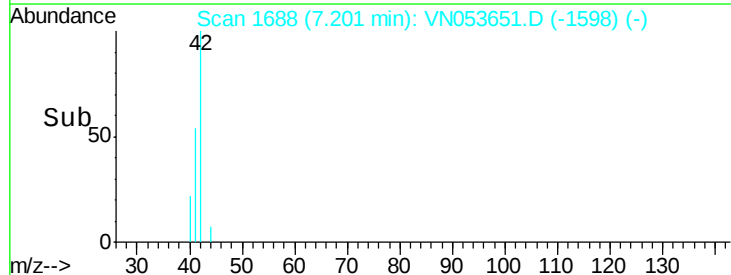
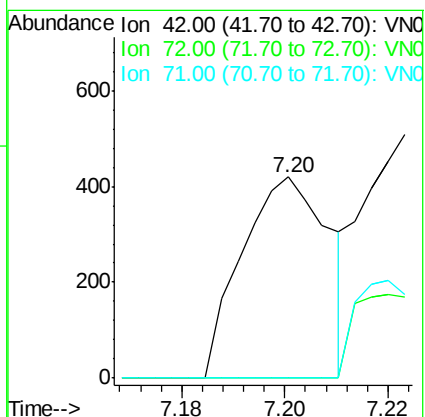
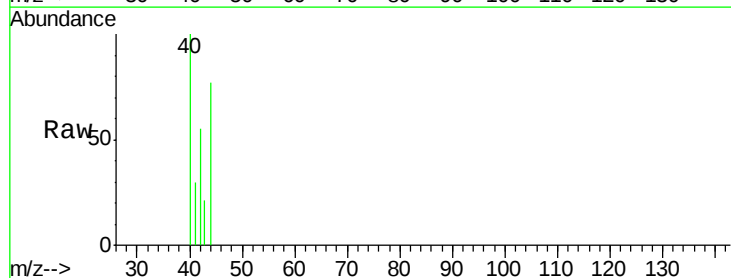
Tgt Ion: 42 Resp: 490

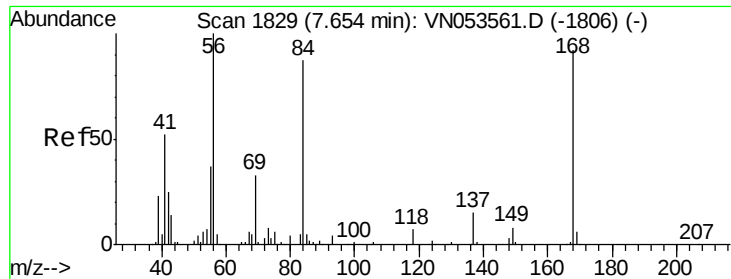
Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

71 0.0 33.0 49.4#





#31

Cvclohexane

Concen: 0.712 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053651.D

Acq: 7 Feb 2019 13:13

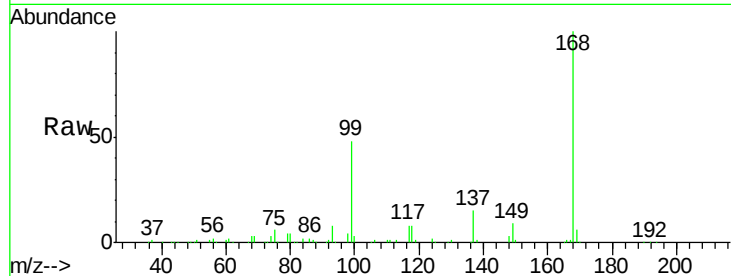
Tot Ion: 56 Resp: 10923

Ion Ratio Lower Upper

56 100

69 188.8 26.4 39.6#

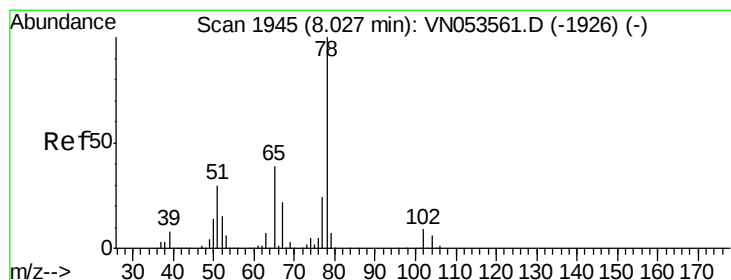
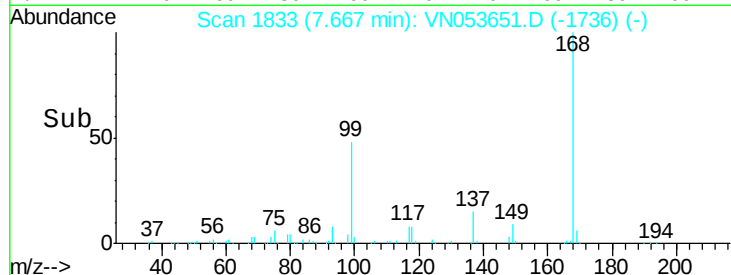
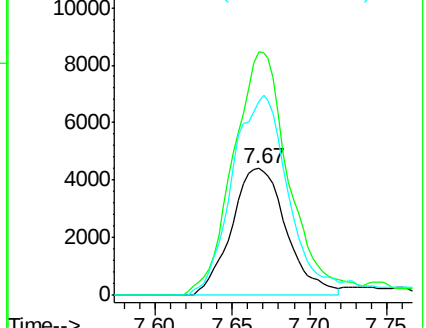
84 153.3 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053651.D

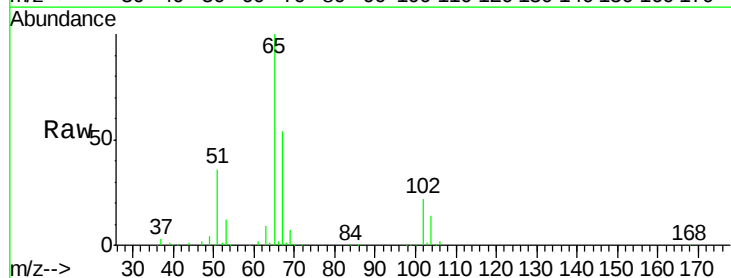
Acq: 7 Feb 2019 13:13

Tgt Ion: 65 Resp: 390241

Ion Ratio Lower Upper

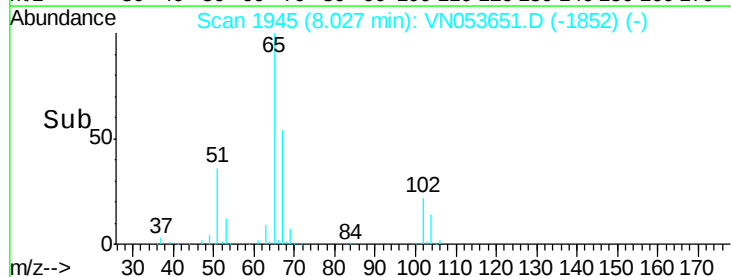
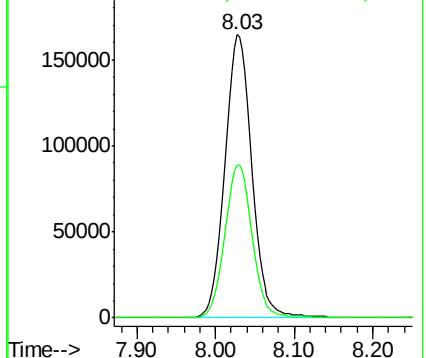
65 100

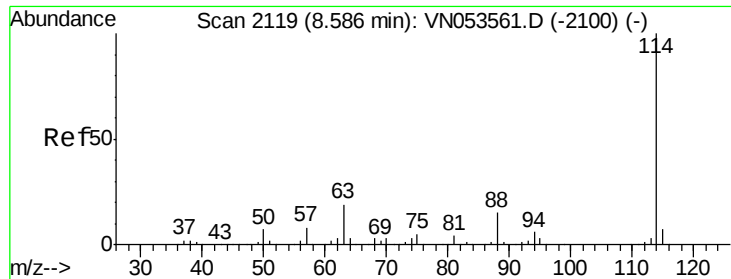
67 54.8 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

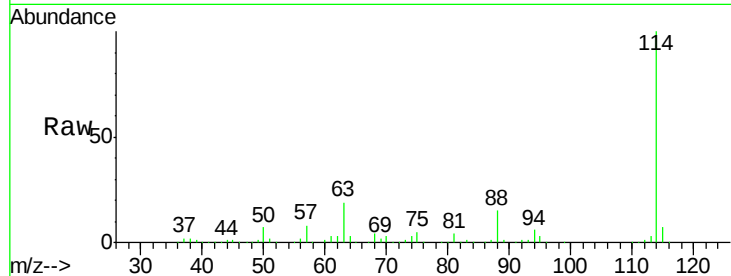
Ion 66.90 (66.60 to 67.60): VN0



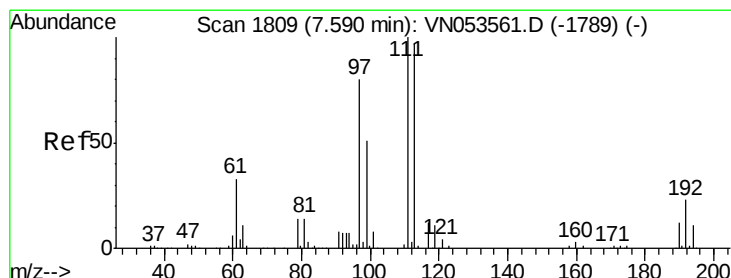
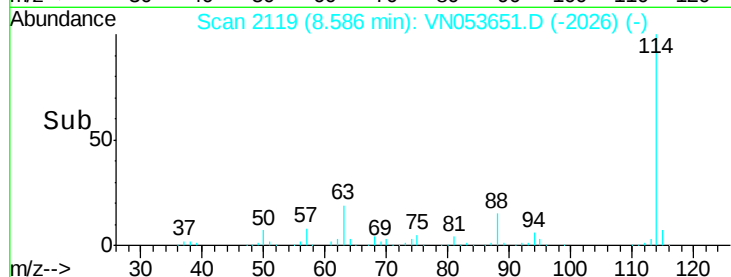
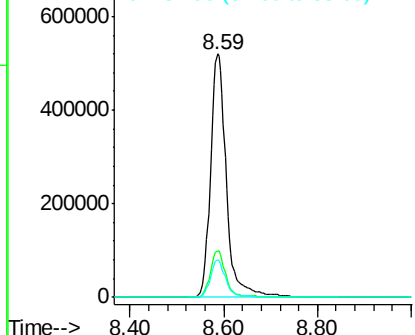


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053651.D
 Acq: 7 Feb 2019 13:13

Tot Ion:114 Resp: 1213327
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.3 0.0 30.4

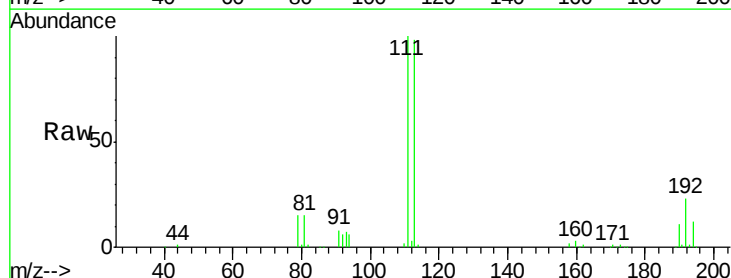


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

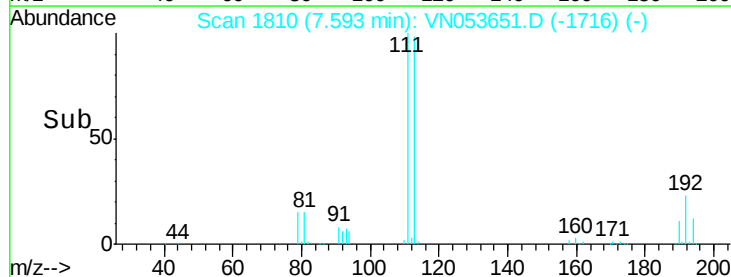
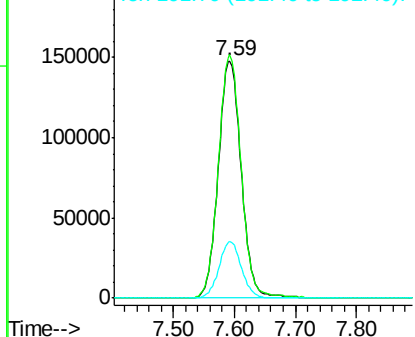


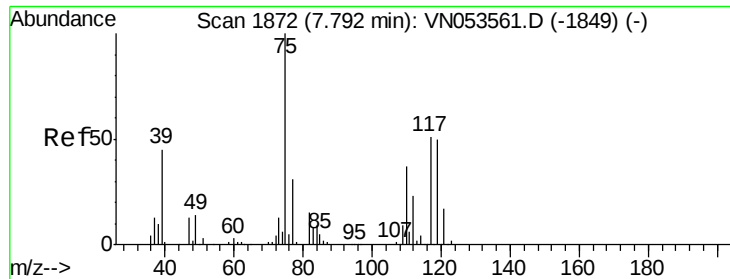
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053651.D
 Acq: 7 Feb 2019 13:13

Tgt Ion:113 Resp: 385602
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.1 121.7
 192 23.3 18.2 27.2



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: 4.045 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053651.D

Acq: 7 Feb 2019 13:13

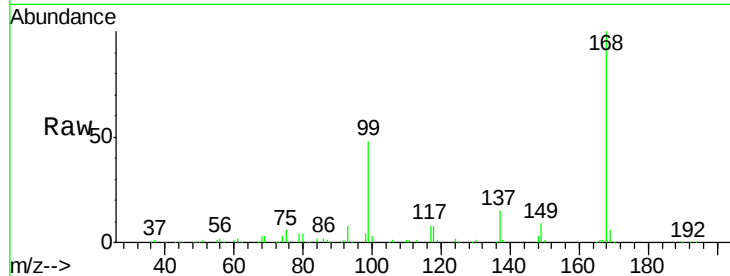
Tot Ion: 75 Resp: 44247

Ion Ratio Lower Upper

75 100

110 6.2 18.1 54.3#

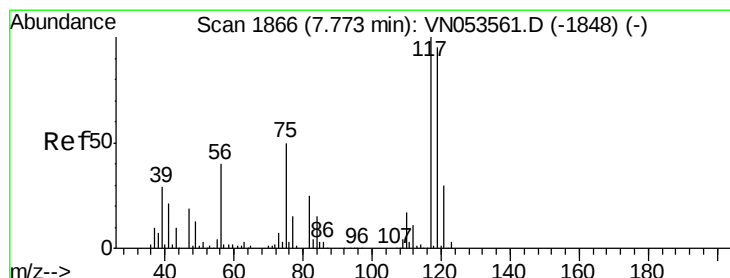
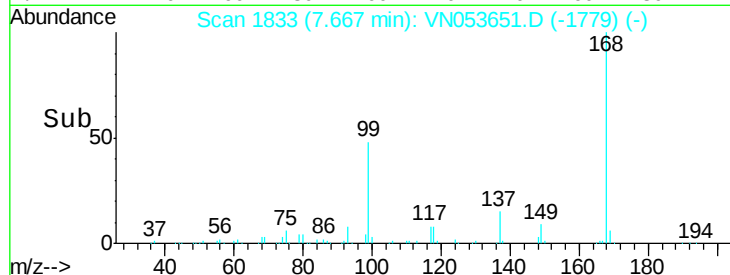
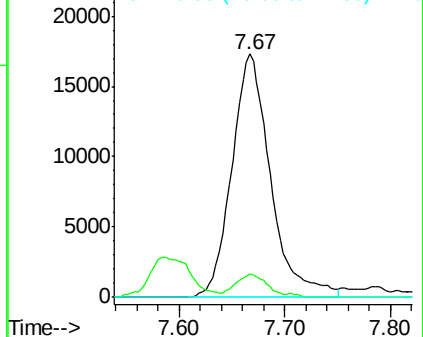
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN053651.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN053651.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN053651.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 5.555 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053651.D

Acq: 7 Feb 2019 13:13

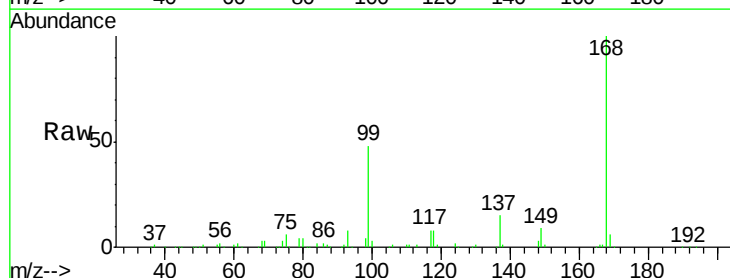
Tgt Ion: 117 Resp: 61206

Ion Ratio Lower Upper

117 100

119 6.1 77.2 115.8#

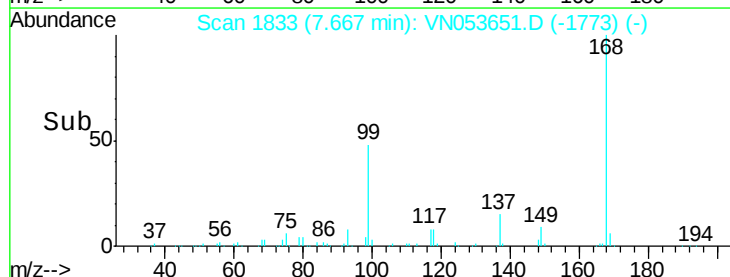
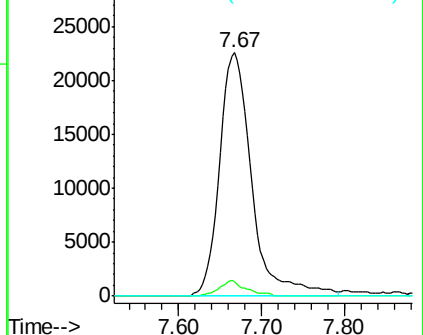
121 0.0 24.6 37.0#

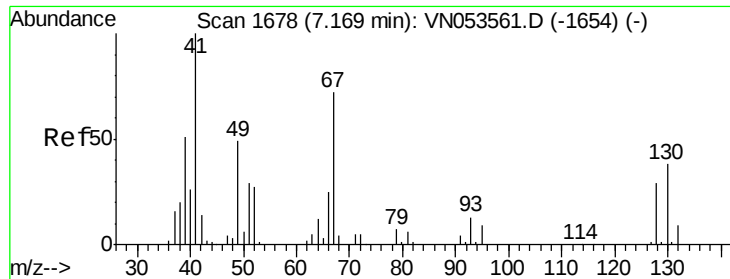


Abundance Ion 116.80 (116.50 to 117.50): VN053651.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053651.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053651.D (-1773) (-)





#41

Methacrylonitrile

Concen: 0.202 ug/l

RT: 7.22 min Scan# 1694

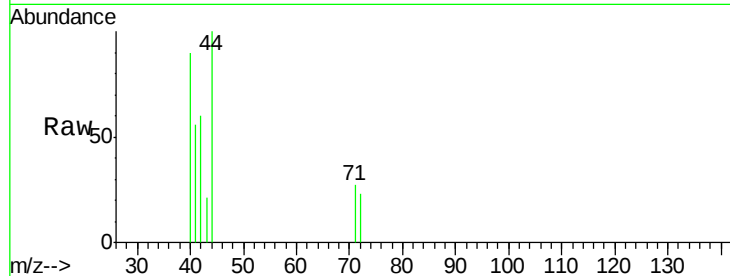
Delta R.T. 0.05 min

Lab File: VN053651.D

Acq: 7 Feb 2019 13:13

Tot Ion: 41 Resp: 690

Ion	Ratio	Lower	Upper
41	100		
39	14.5	46.8	70.2#
67	0.0	63.0	94.6#
52	0.0	23.8	35.8#

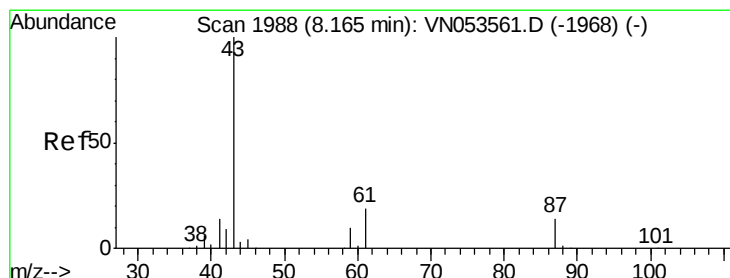
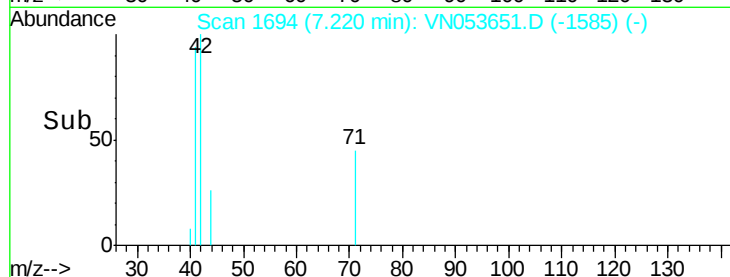
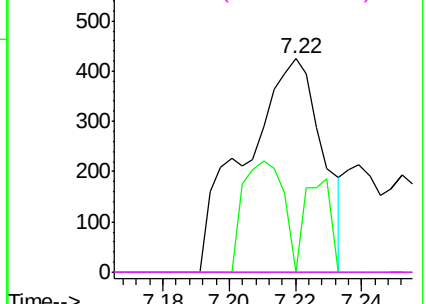


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#43

Isopropyl Acetate

Concen: 2.728 ug/l

RT: 8.17 min Scan# 1990

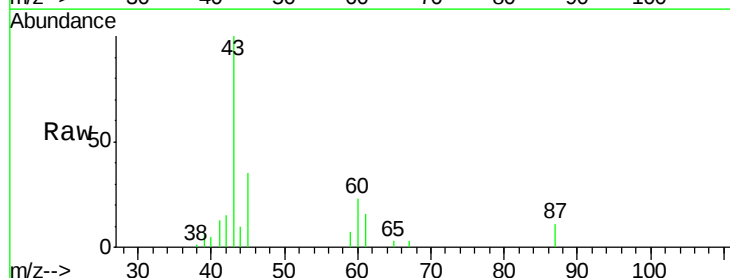
Delta R.T. 0.01 min

Lab File: VN053651.D

Acq: 7 Feb 2019 13:13

Tgt Ion: 43 Resp: 32179

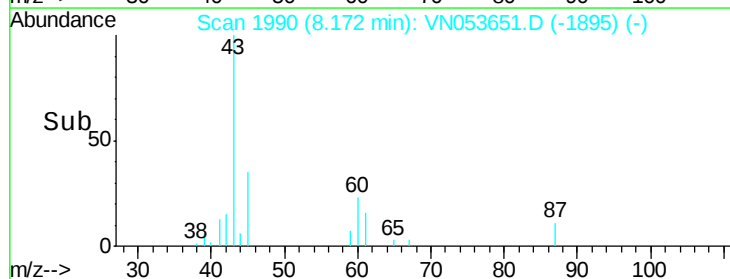
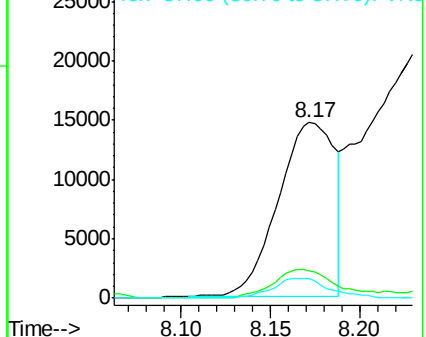
Ion	Ratio	Lower	Upper
43	100		
61	18.4	23.9	35.9#
87	11.3	11.0	16.6

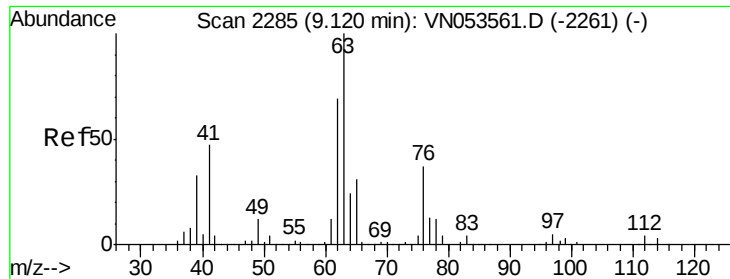


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#45

1,2-Dichloropropane

Concen: 0.215 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.14 min

Lab File: VN053651.D

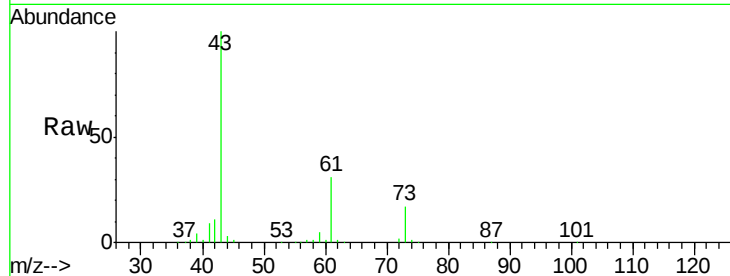
Acq: 7 Feb 2019 13:13

Tot Ion: 63 Resp: 1859

Ion Ratio Lower Upper

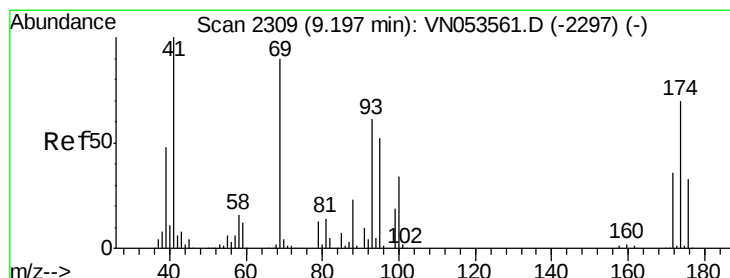
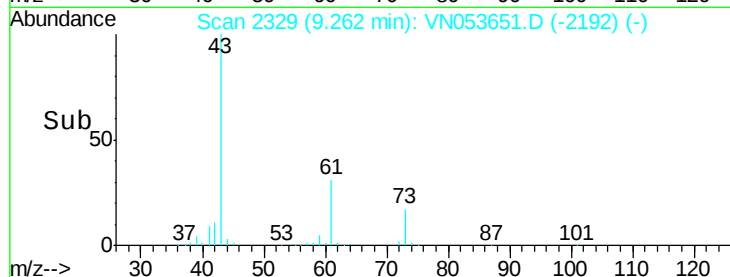
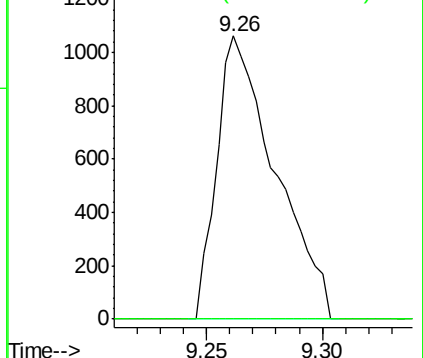
63 100

65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#48

Methyl methacrylate

Concen: 1.907 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN053651.D

Acq: 7 Feb 2019 13:13

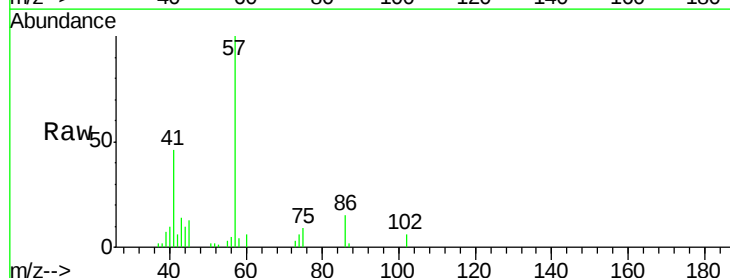
Tgt Ion: 41 Resp: 10736

Ion Ratio Lower Upper

41 100

69 0.0 73.8 110.6#

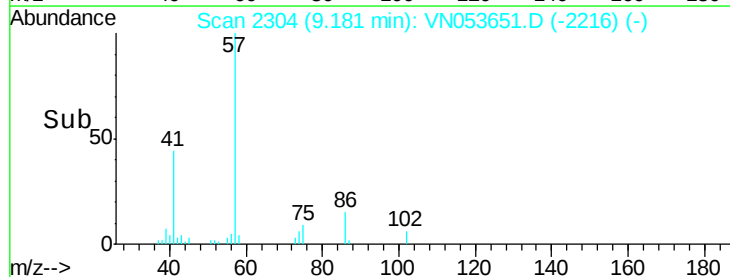
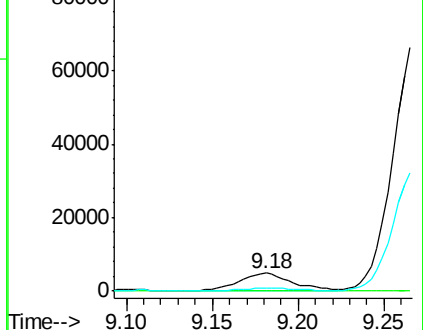
39 0.0 40.0 60.0#

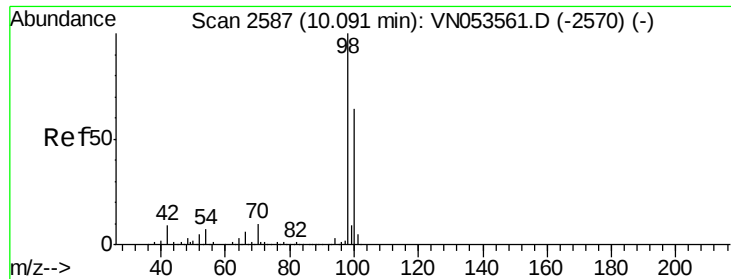


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053561.D

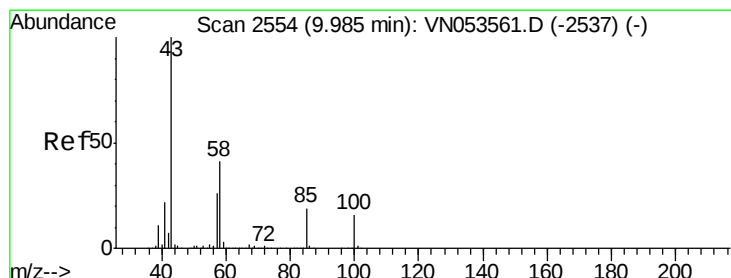
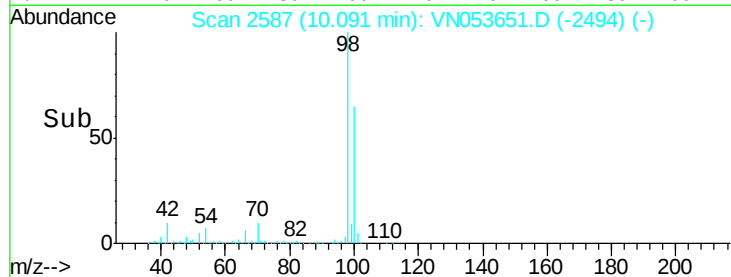
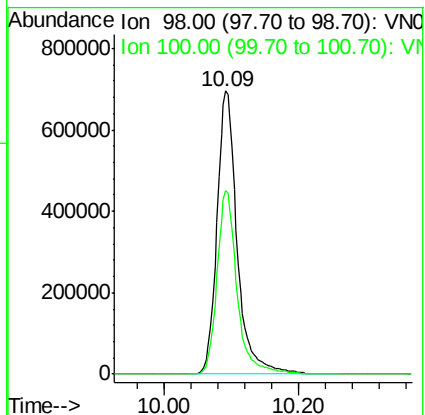
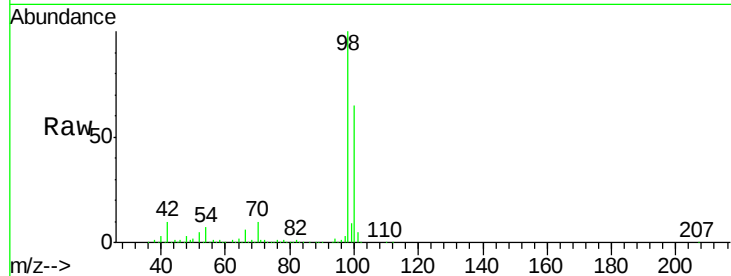
Acq: 7 Feb 2019 13:13

Tot Ion: 98 Resp: 1458762

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 1.573 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053561.D

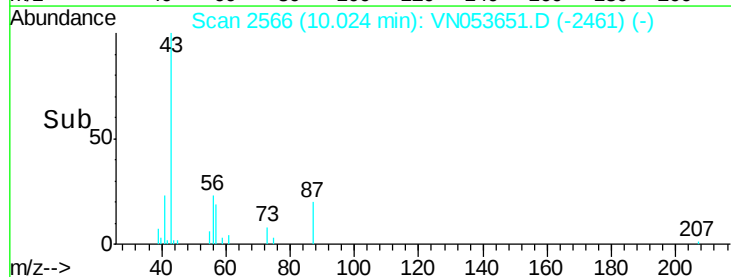
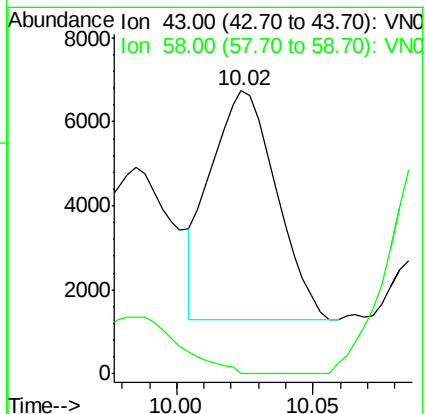
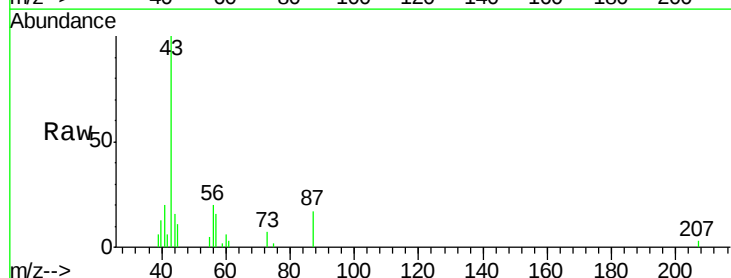
Acq: 7 Feb 2019 13:13

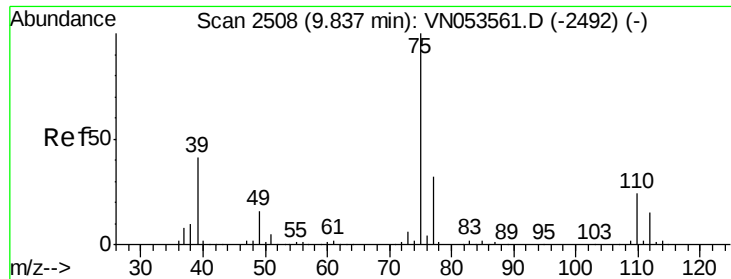
Tgt Ion: 43 Resp: 9119

Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#





#54

cis-1,3-Dichloropropene

Concen: 5.878 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053651.D

Acq: 7 Feb 2019 13:13

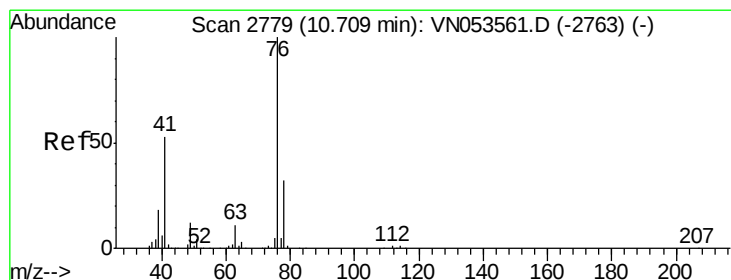
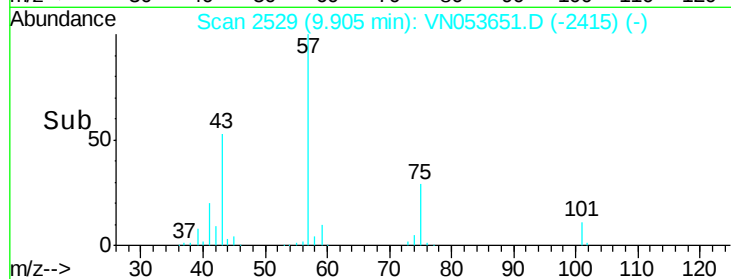
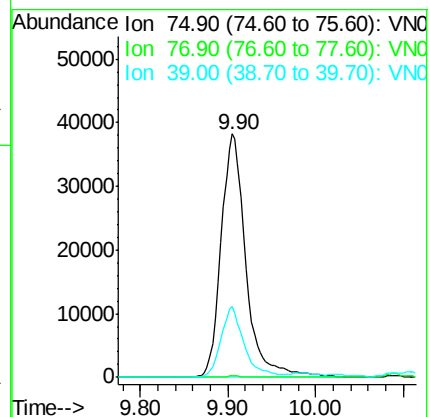
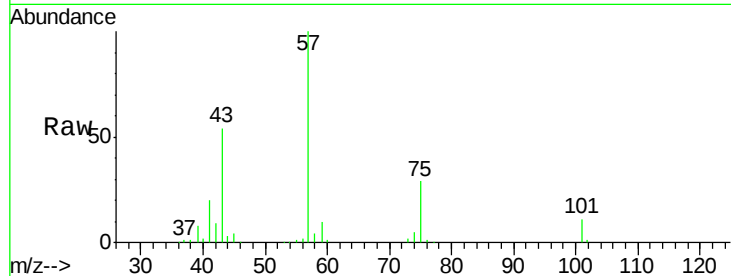
Tot Ion: 75 Resp: 75409

Ion Ratio Lower Upper

75 100

77 0.7 25.8 38.6#

39 28.9 33.4 50.0#



#57

1,3-Dichloropropane

Concen: 1.208 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN053651.D

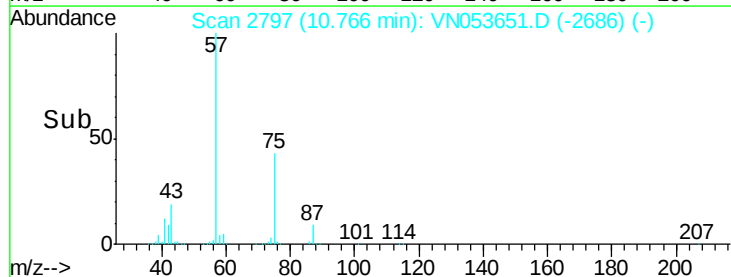
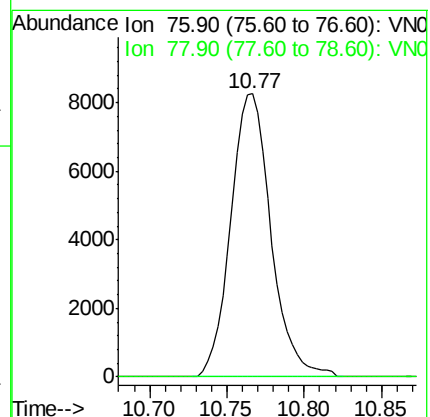
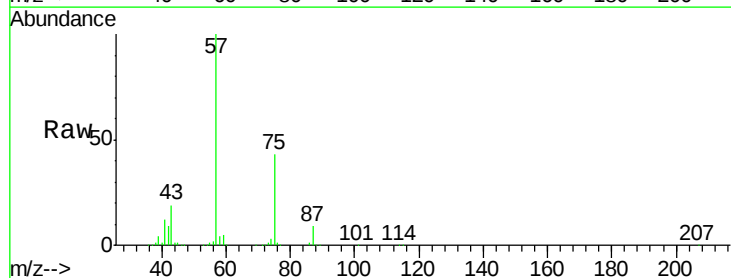
Acq: 7 Feb 2019 13:13

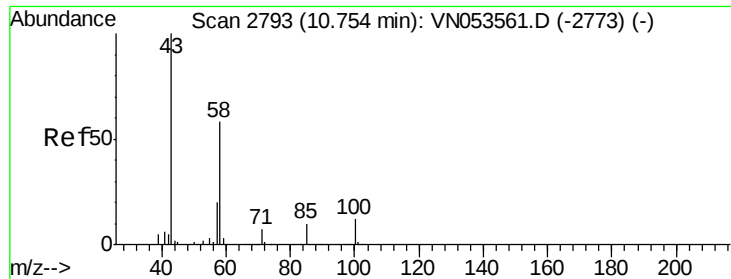
Tgt Ion: 76 Resp: 14891

Ion Ratio Lower Upper

76 100

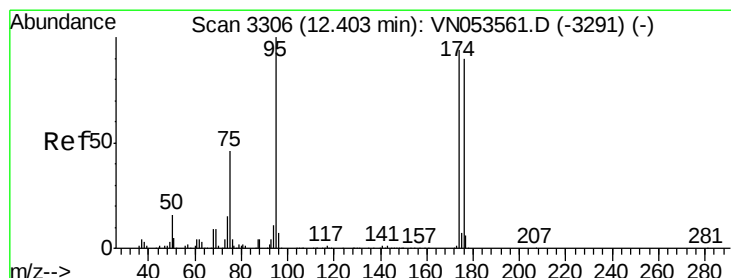
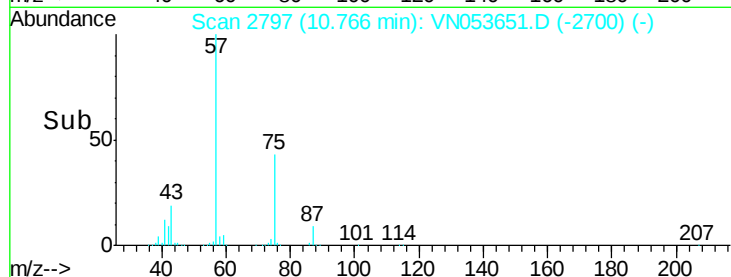
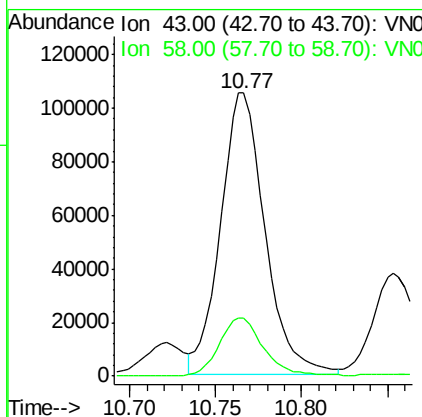
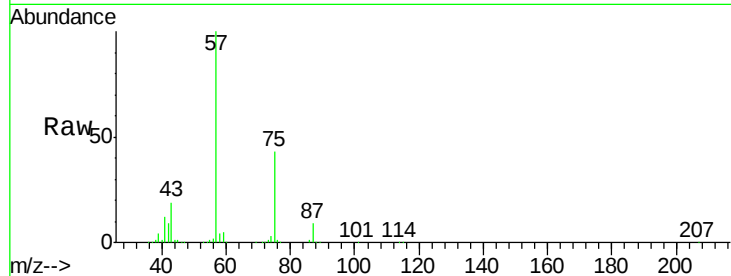
78 0.0 25.6 38.4#





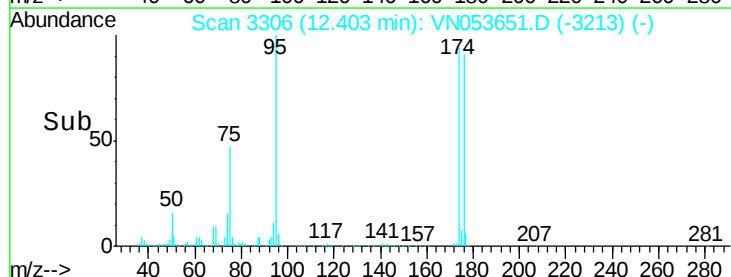
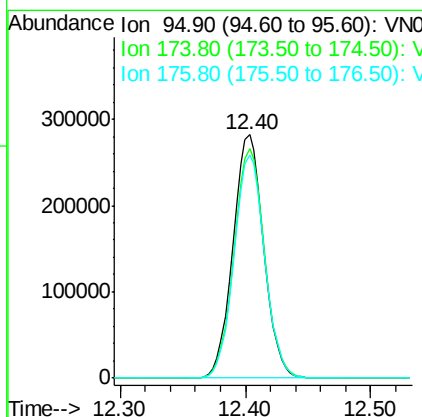
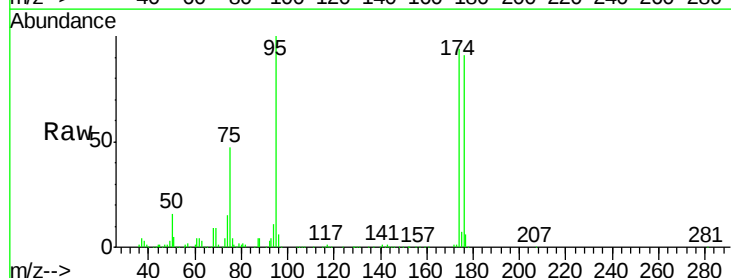
#59
2-Hexanone
Concen: 48.276 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN053651.D
Acq: 7 Feb 2019 13:13

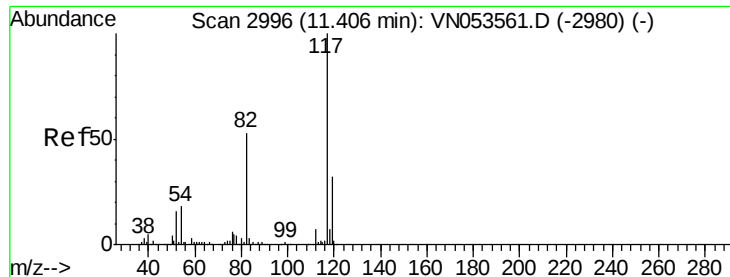
Tot Ion: 43 Resp: 189989
Ion Ratio Lower Upper
43 100
58 20.7 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN053651.D
Acq: 7 Feb 2019 13:13

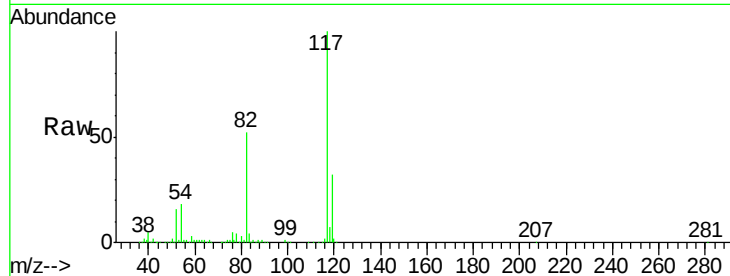
Tgt Ion: 95 Resp: 478144
Ion Ratio Lower Upper
95 100
174 94.4 0.0 183.2
176 91.6 0.0 177.4



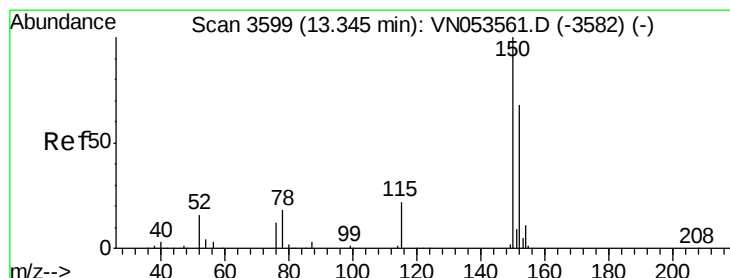
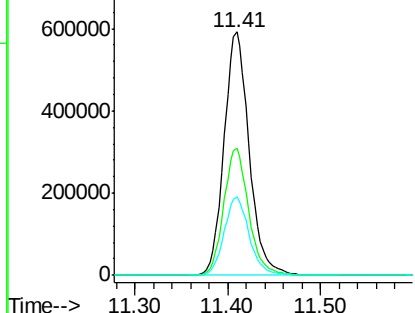
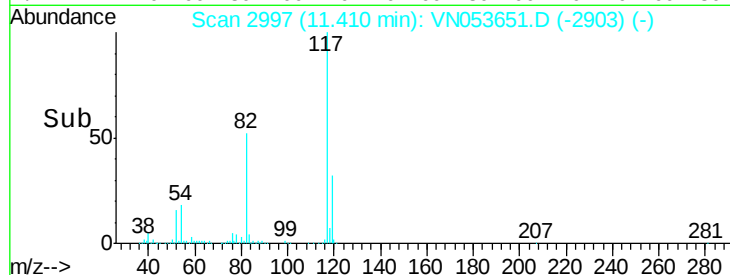


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053651.D
Acq: 7 Feb 2019 13:13

Tot Ion:117 Resp: 1108630
Ion Ratio Lower Upper
117 100
82 52.0 42.9 64.3
119 32.0 26.0 39.0

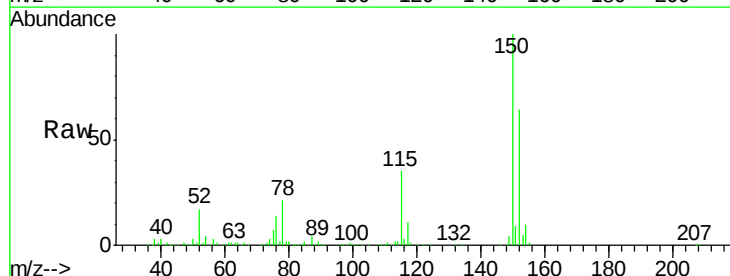


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

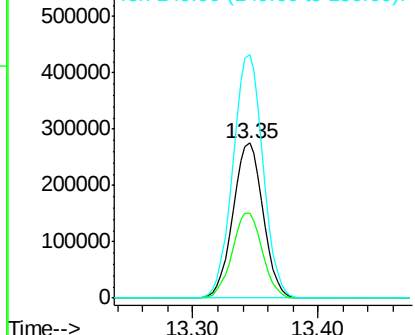
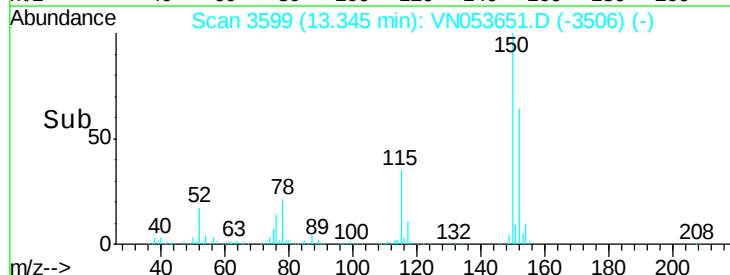


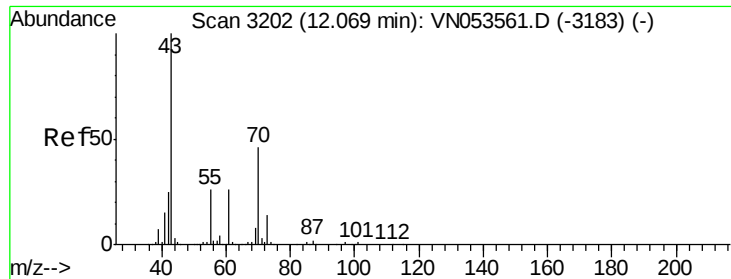
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN053651.D
Acq: 7 Feb 2019 13:13

Tgt Ion:152 Resp: 459246
Ion Ratio Lower Upper
152 100
115 54.8 27.8 83.4
150 156.8 0.0 349.0



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: 2.824 ug/l

RT: 11.88 min Scan# 3142

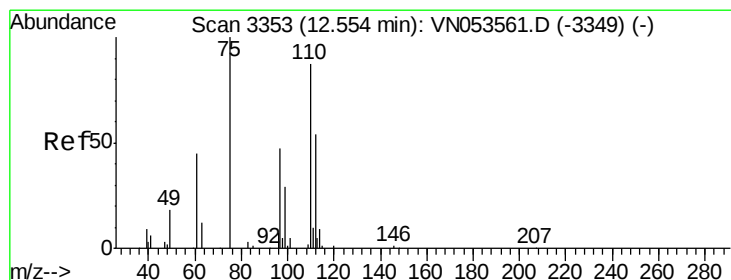
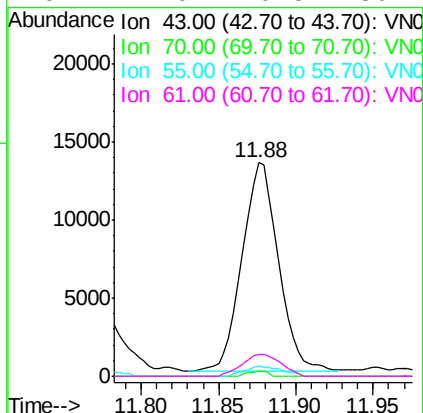
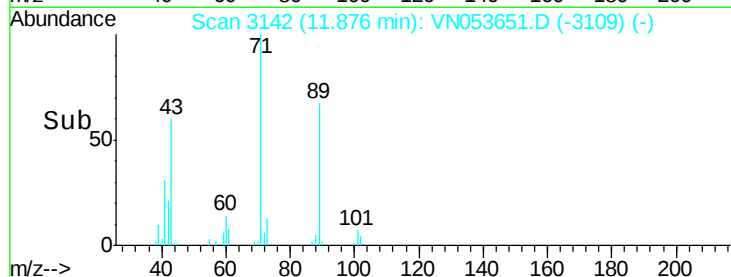
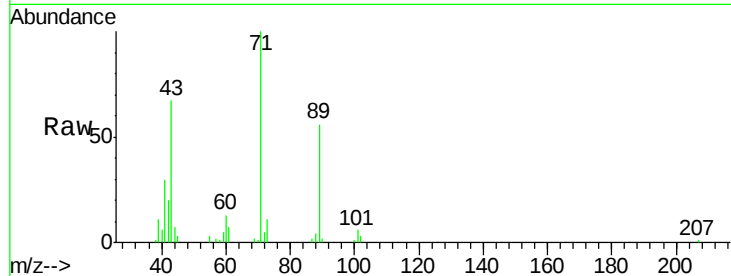
Delta R.T. -0.19 min

Lab File: VN053651.D

Acq: 7 Feb 2019 13:13

Tot Ion: 43 Resp: 21922

Ion	Ratio	Lower	Upper
43	100		
70	1.3	35.4	53.2#
55	5.0	20.9	31.3#
61	11.0	20.5	30.7#



#76

1,2,3-Trichloropropane

Concen: 37.811 ug/l

RT: 12.40 min Scan# 3306

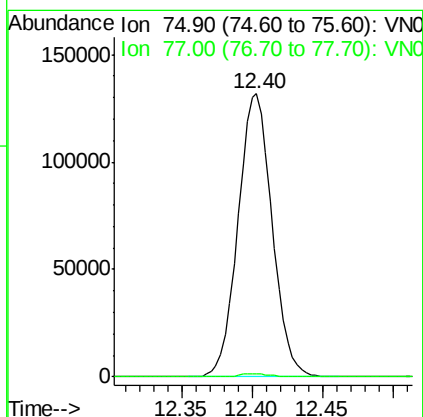
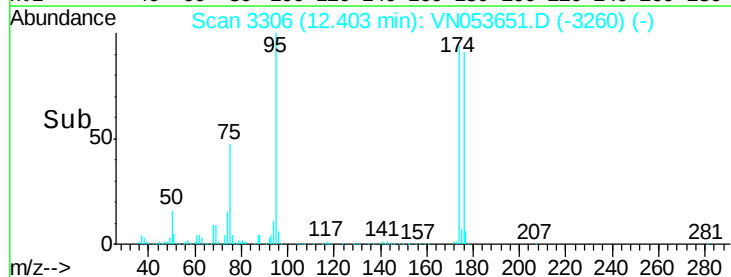
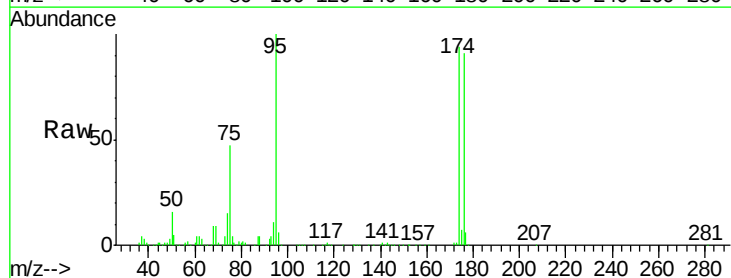
Delta R.T. -0.15 min

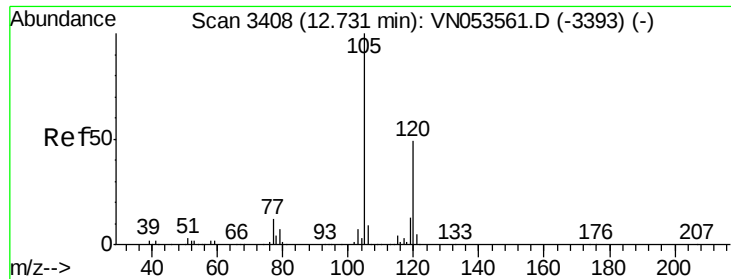
Lab File: VN053651.D

Acq: 7 Feb 2019 13:13

Tgt Ion: 75 Resp: 223038

Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

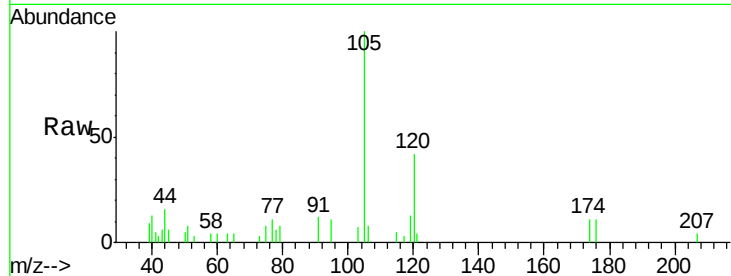




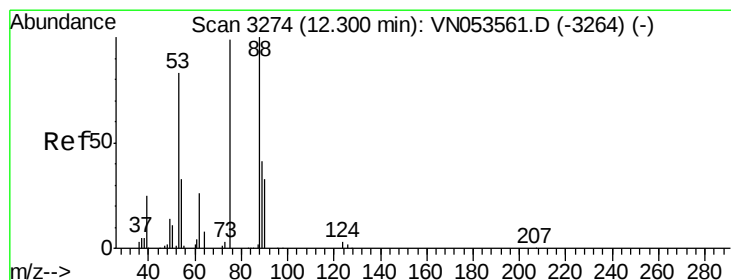
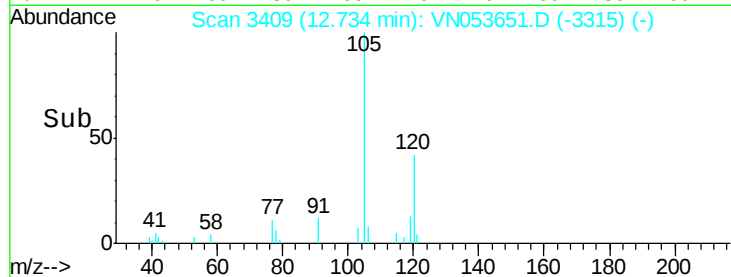
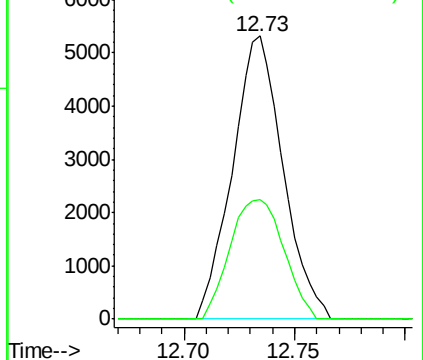
#80

1,3,5-Trimethylbenzene
Concen: 0.317 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN053651.D
Acq: 7 Feb 2019 13:13

Tot Ion:105 Resp: 8487
Ion Ratio Lower Upper
105 100
120 44.9 24.9 74.6



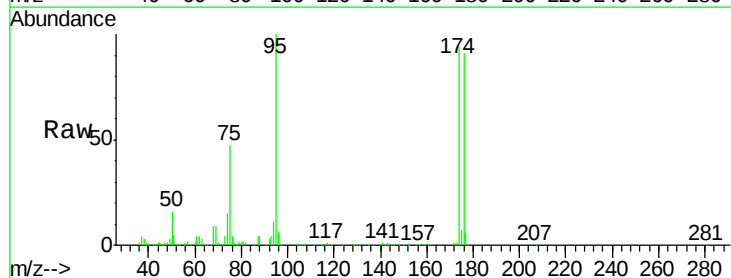
Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



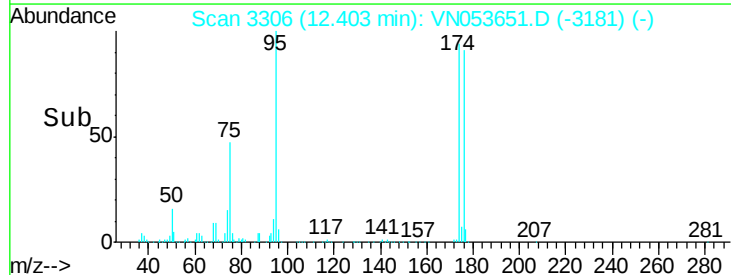
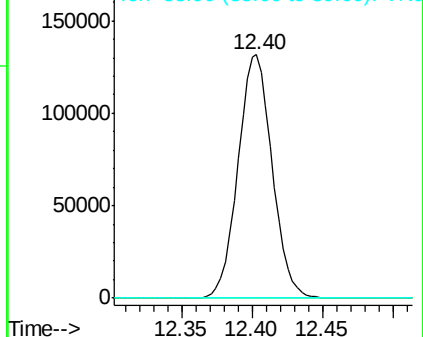
#81

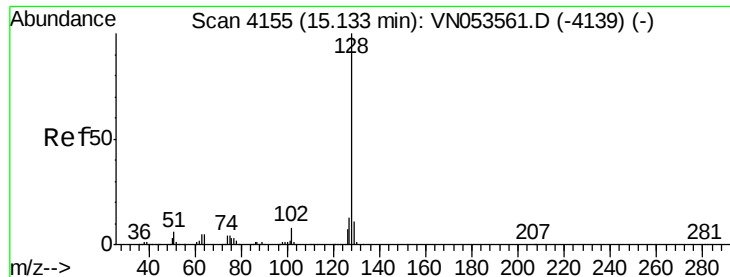
trans-1,4-Dichloro-2-butene
Concen: 106.322 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN053651.D
Acq: 7 Feb 2019 13:13

Tgt Ion: 75 Resp: 223038
Ion Ratio Lower Upper
75 100
53 0.0 69.8 104.6#
89 0.0 35.6 53.4#



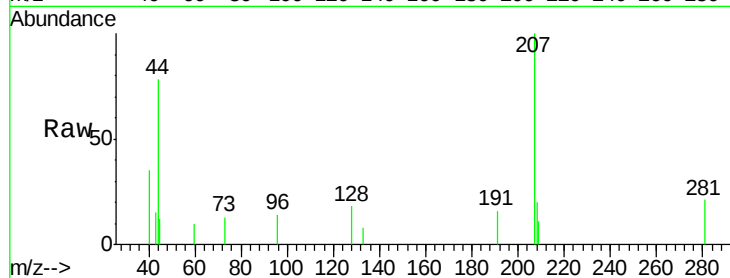
Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO





#95
Naphthalene
Concen: 1.752 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN053651.D
Acq: 7 Feb 2019 13:13

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

