

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020719\
 Data File : VN053668.D
 Acq On : 7 Feb 2019 20:47
 Operator : JC/SP
 Sample : K1389-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

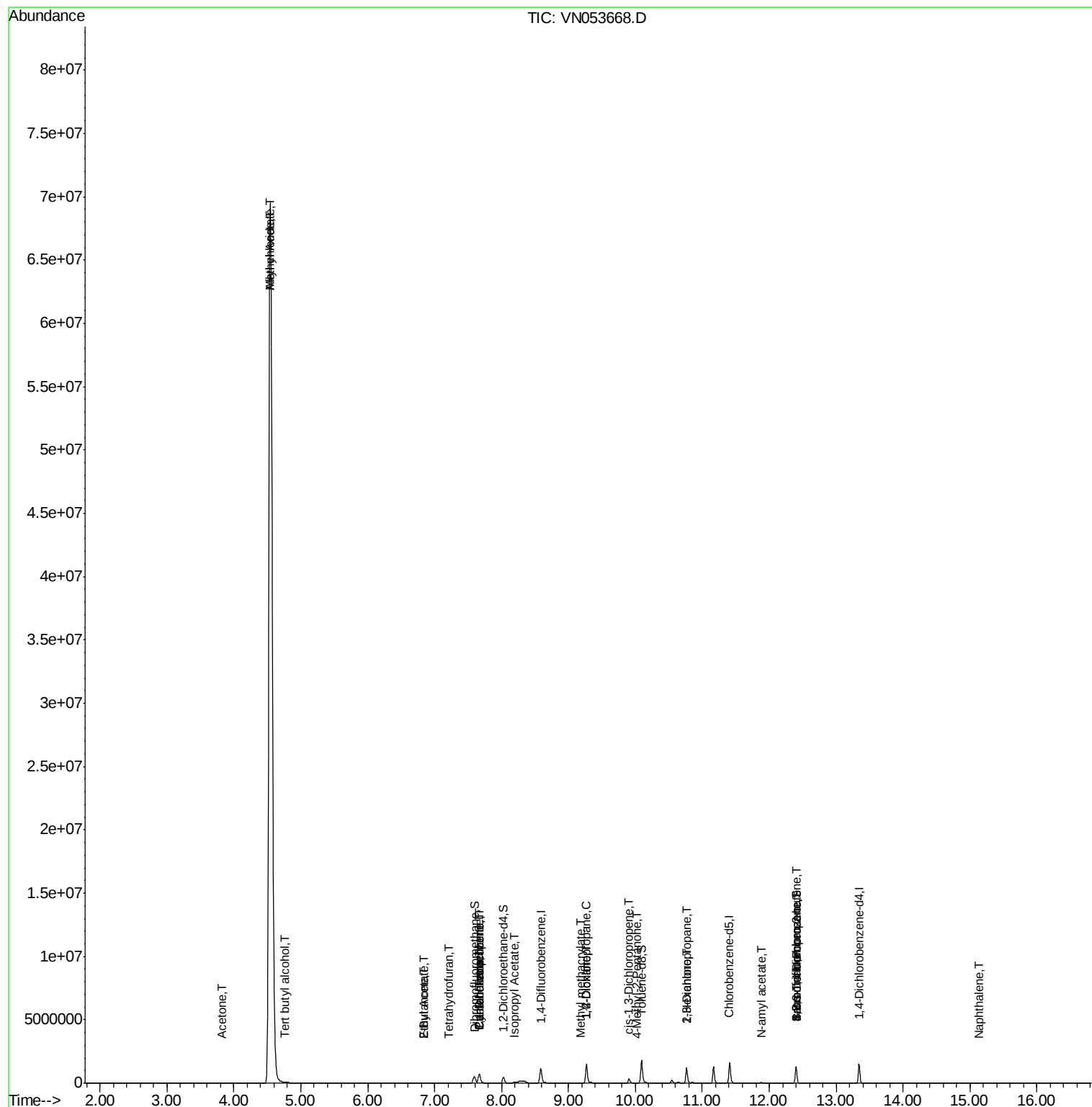
Quant Time: Feb 09 00:33:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

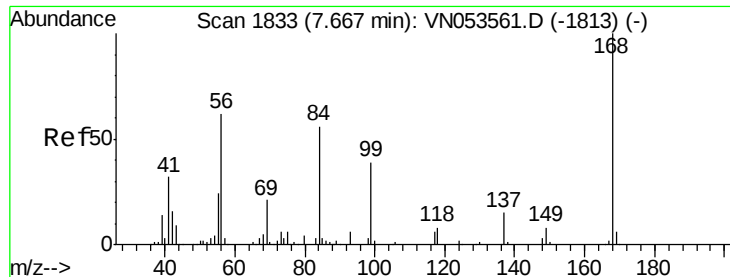
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	753651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1227680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1105500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	443236	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	396982	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
35) Dibromofluoromethane	7.59	113	388989	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	10.09	98	1466233	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.40	95	480982	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.77	59	109	0.244	ug/l #	72
14) Allyl chloride	4.54	41	2473335	222.581	ug/l #	27
16) Acetone	3.82	43	14318	7.383	ug/l	96
18) Methyl Acetate	4.55	43	272887	47.514	ug/l #	89
25) 2-Butanone	6.85	43	5712	2.065	ug/l #	87
29) Tetrahydrofuran	7.22	42	1606	0.904	ug/l #	40
31) Cyclohexane	7.67	56	10702	0.670	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46468	4.199	ug/l #	47
37) Ethyl Acetate	6.85	43	5712	0.924	ug/l #	67
38) Carbon Tetrachloride	7.67	117	58888	5.282	ug/l #	16
43) Isopropyl Acetate	8.18	43	35663	2.988	ug/l #	80
45) 1,2-Dichloropropane	9.27	63	2064	0.236	ug/l #	43
48) Methyl methacrylate	9.18	41	12106	2.125	ug/l #	12
49) 1,4-Dioxane	9.27	88	61	39.808	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	8462	1.443	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	71694	5.523	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	14772	1.184	ug/l #	43
59) 2-Hexanone	10.76	43	188653	47.376	ug/l #	51
71) Bromoform	12.40	173	3630	0.646	ug/l #	1
74) N-amyl acetate	11.88	43	20144	2.688	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	221481	38.903	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	221481	109.393	ug/l #	15
95) Naphthalene	15.13	128	6505	2.059	ug/l	98

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020719\
Data File : VN053668.D
Acq On : 7 Feb 2019 20:47
Operator : JC/SP
Sample : K1389-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 28

Quant Time: Feb 09 00:33:00 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN053668.D

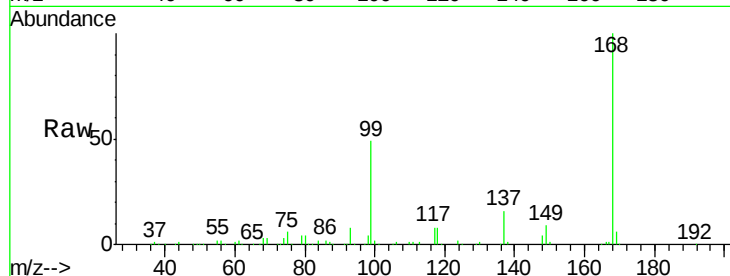
Acq: 7 Feb 2019 20:47

Tot Ion:168 Resp: 753651

Ion Ratio Lower Upper

168 100

99 48.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

150000

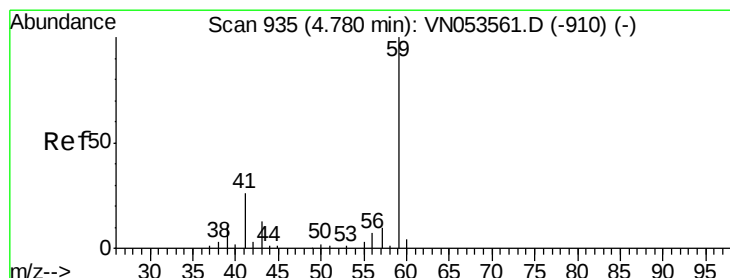
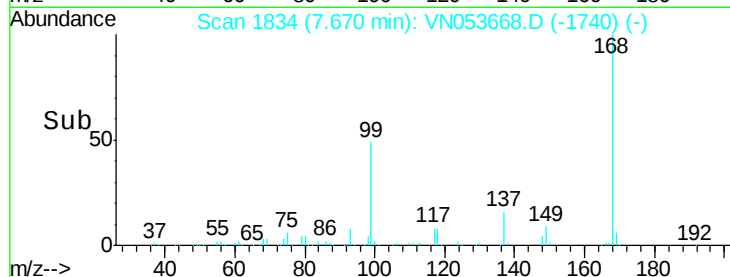
100000

50000

0

Time-->

7.60 7.80 8.00



#11

Tert butyl alcohol

Concen: 0.244 ug/l

RT: 4.77 min Scan# 932

Delta R.T. -0.01 min

Lab File: VN053668.D

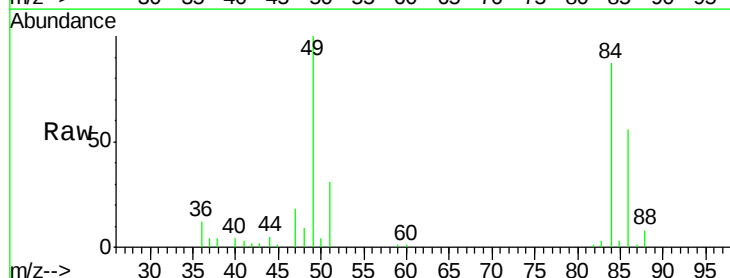
Acq: 7 Feb 2019 20:47

Tgt Ion: 59 Resp: 109

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.77

200

150

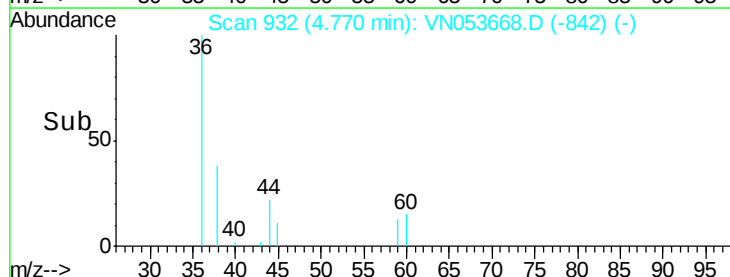
100

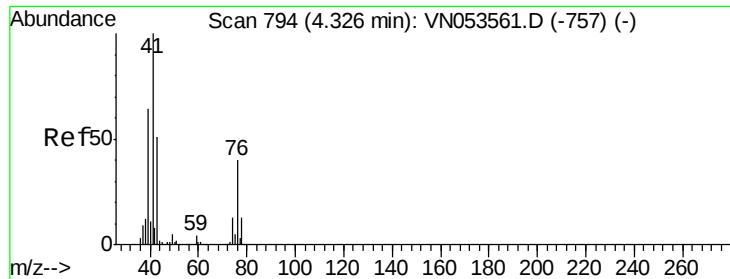
50

0

Time-->

4.76 4.77 4.78





#14

Allv1 chloride

Concen: 222.581 ug/l

RT: 4.54 min Scan# 861

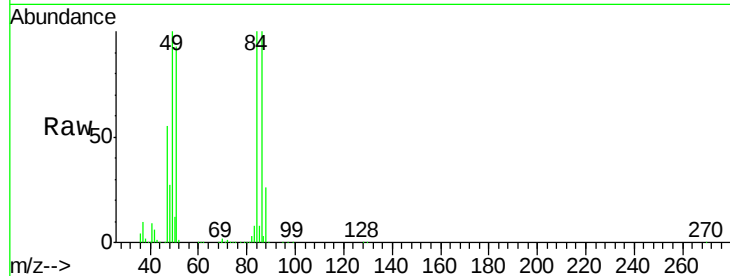
Delta R.T. 0.22 min

Lab File: VN053668.D

Acq: 7 Feb 2019 20:47

Tot Ion: 41 Resp: 2473335

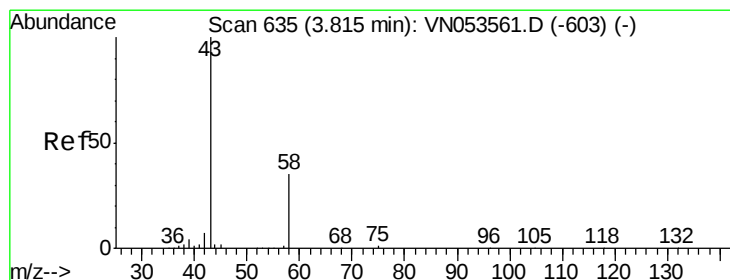
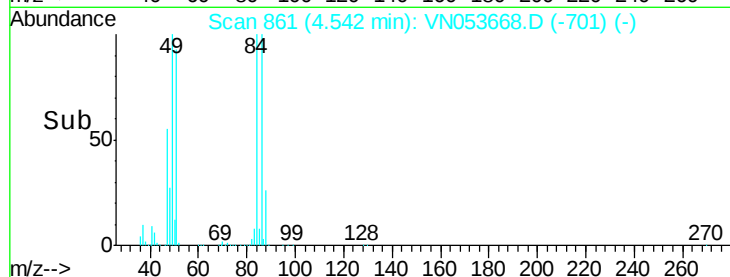
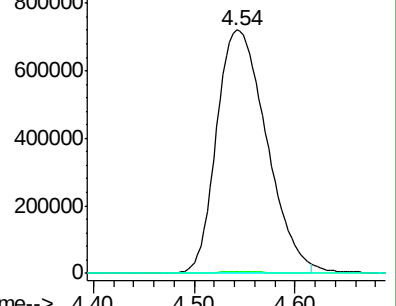
Ion	Ratio	Lower	Upper
41	100		
39	0.7	48.9	73.3#
76	0.0	29.4	44.2#



Abundance Ion 41.00 (40.70 to 41.70): VN053668.D (-861) (-)

Ion 39.00 (38.70 to 39.70): VN053668.D (-861) (-)

Ion 75.90 (75.60 to 76.60): VN053668.D (-861) (-)



#16

Acetone

Concen: 7.383 ug/l

RT: 3.82 min Scan# 638

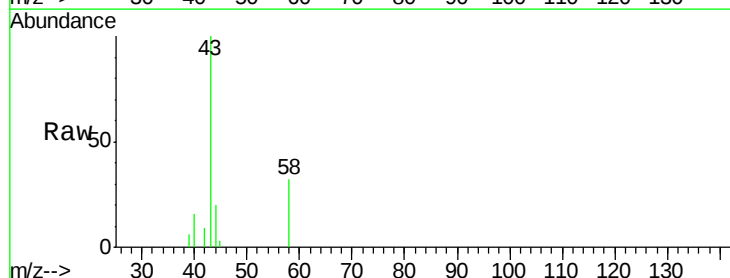
Delta R.T. 0.01 min

Lab File: VN053668.D

Acq: 7 Feb 2019 20:47

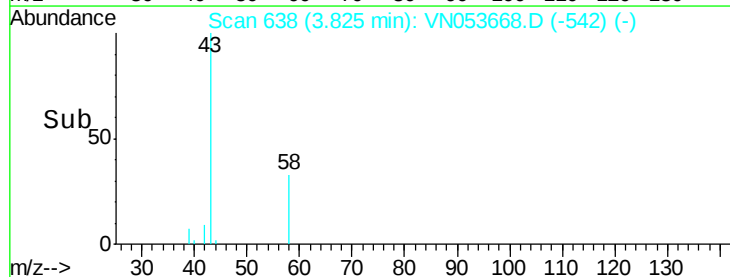
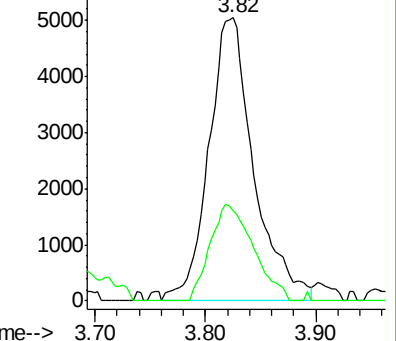
Tgt Ion: 43 Resp: 14318

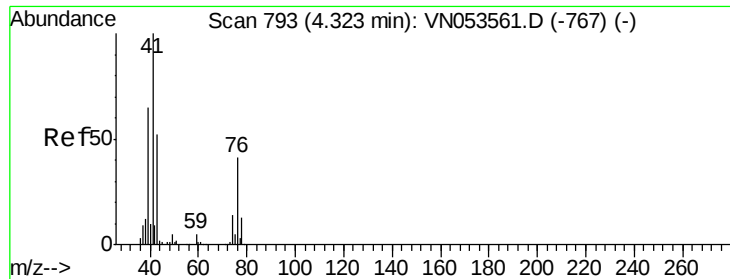
Ion	Ratio	Lower	Upper
43	100		
58	31.9	27.1	40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053668.D (-638) (-)

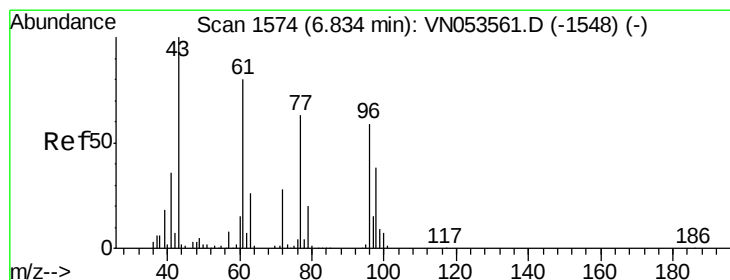
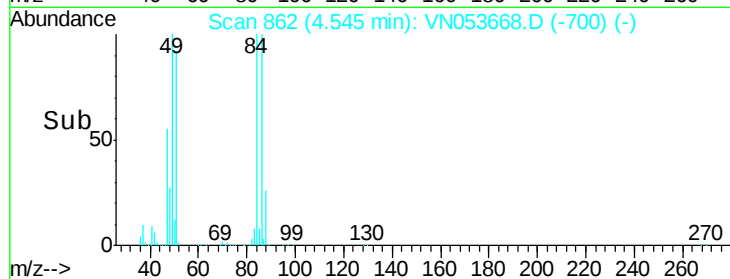
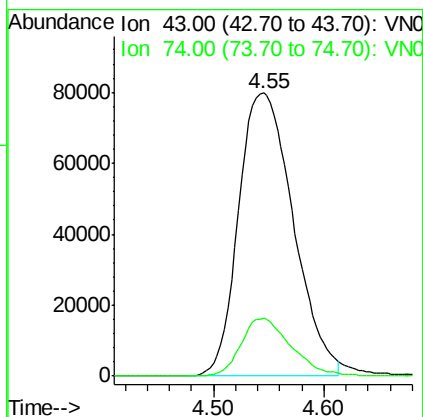
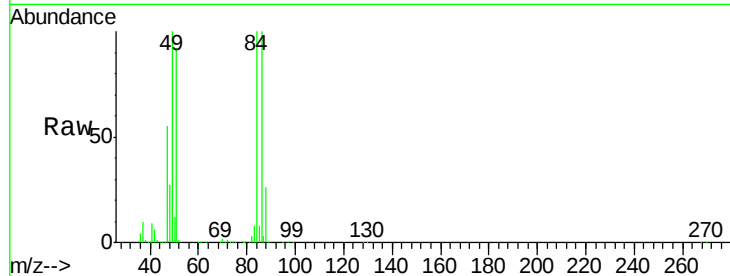
Ion 58.00 (57.70 to 58.70): VN053668.D (-638) (-)





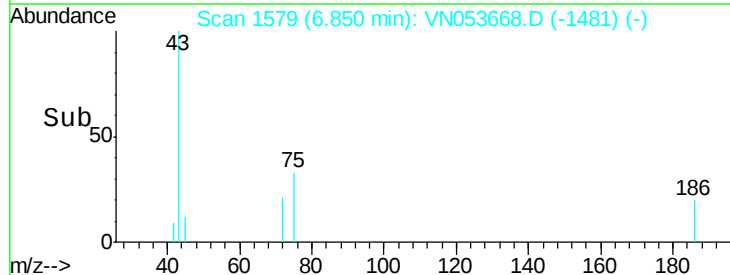
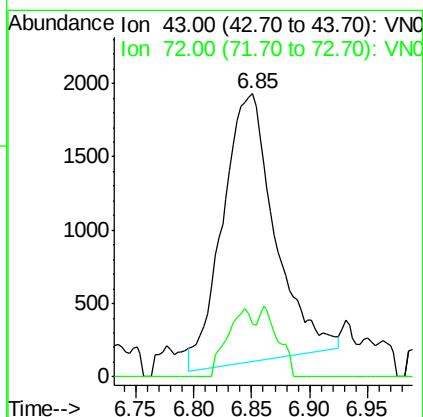
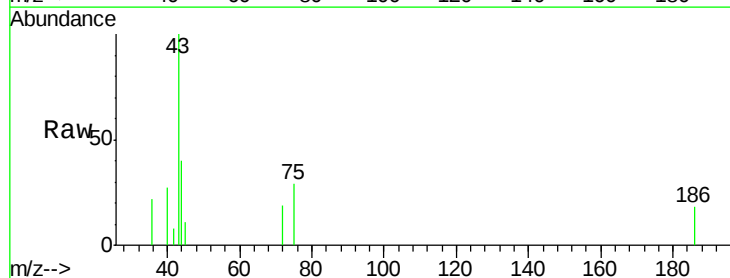
#18
Methvl Acetate
Concen: 47.514 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.22 min
Lab File: VN053668.D
Acq: 7 Feb 2019 20:47

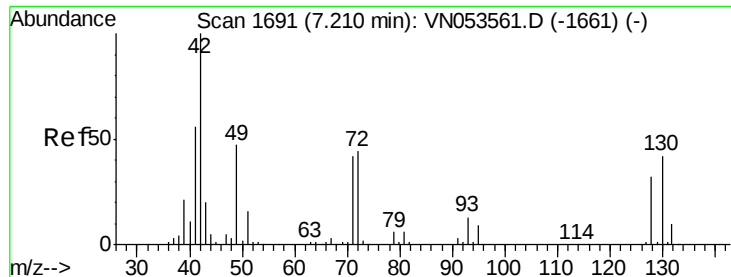
Tot Ion: 43 Resp: 272887
Ion Ratio Lower Upper
43 100
74 18.6 19.4 29.2#



#25
2-Butanone
Concen: 2.065 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VN053668.D
Acq: 7 Feb 2019 20:47

Tgt Ion: 43 Resp: 5712
Ion Ratio Lower Upper
43 100
72 20.8 22.0 33.0#





#29

Tetrahydrofuran

Concen: 0.904 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN053668.D

Acq: 7 Feb 2019 20:47

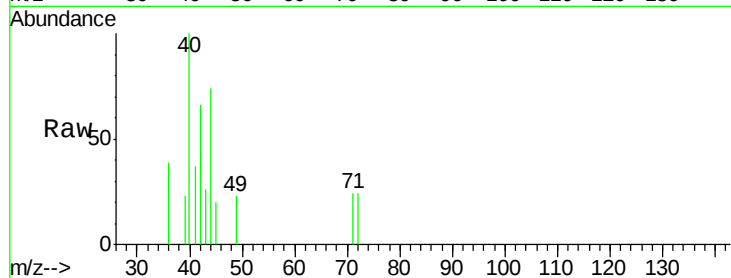
Tot Ion: 42 Resp: 1606

Ion Ratio Lower Upper

42 100

72 8.7 35.2 52.8#

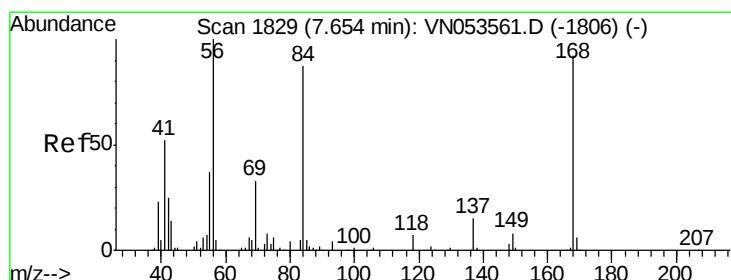
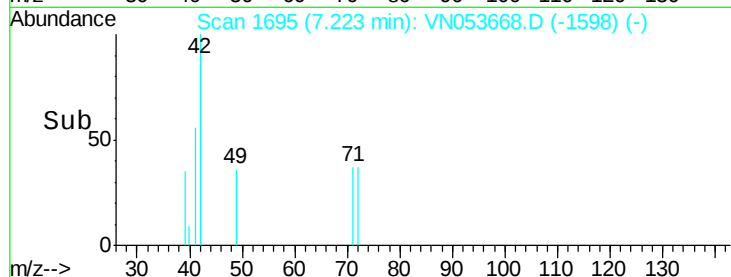
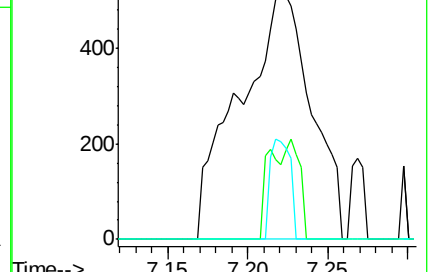
71 0.0 33.0 49.4#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.670 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053668.D

Acq: 7 Feb 2019 20:47

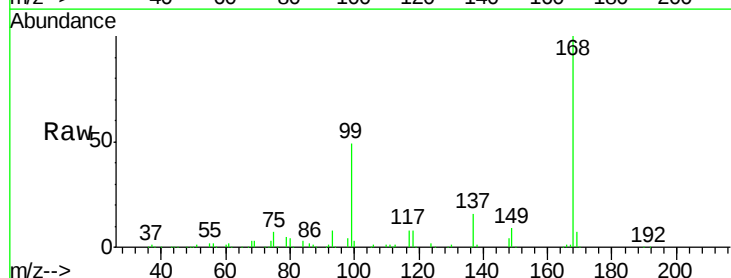
Tgt Ion: 56 Resp: 10702

Ion Ratio Lower Upper

56 100

69 198.5 26.4 39.6#

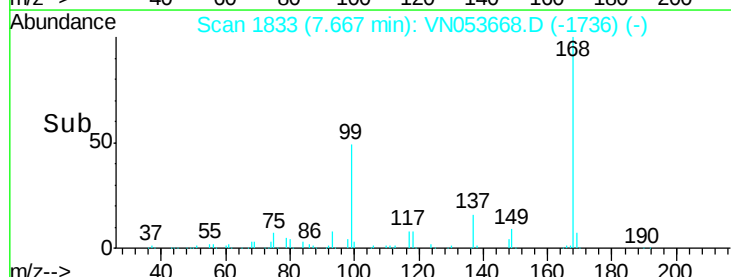
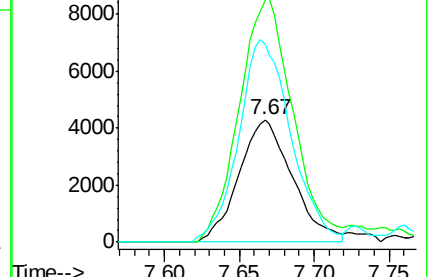
84 161.7 67.9 101.9#

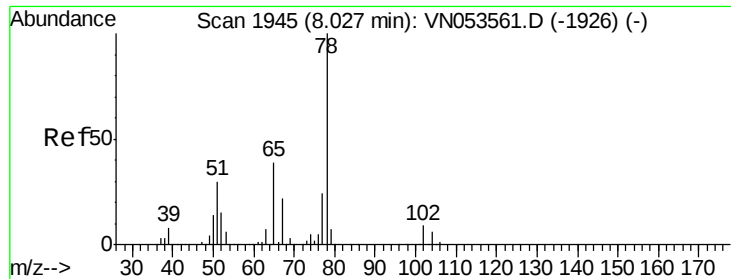


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053668.D

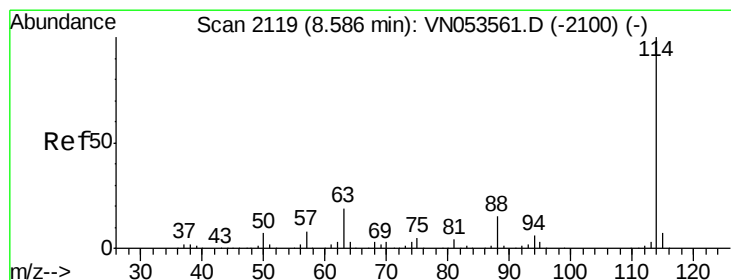
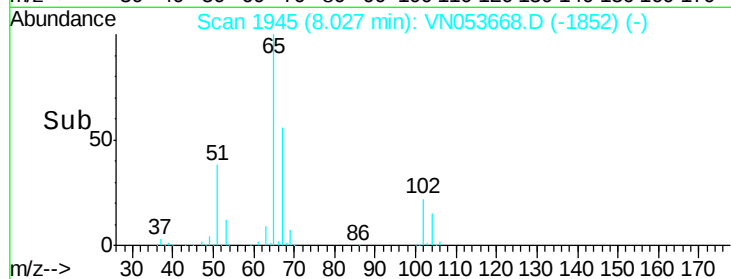
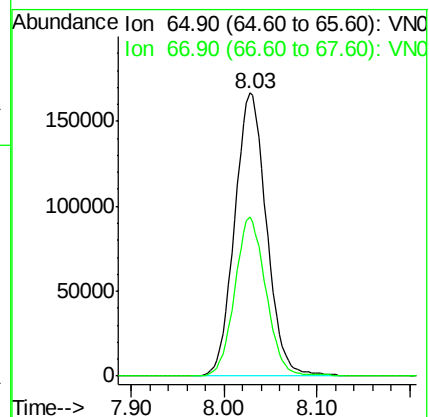
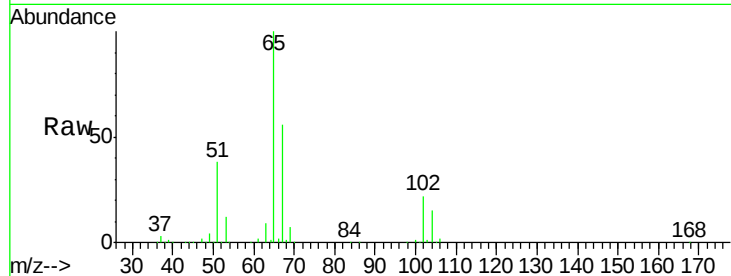
Acq: 7 Feb 2019 20:47

Tot Ion: 65 Resp: 396982

Ion Ratio Lower Upper

65 100

67 55.0 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053668.D

Acq: 7 Feb 2019 20:47

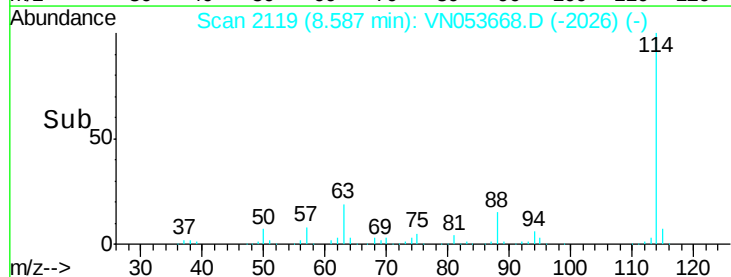
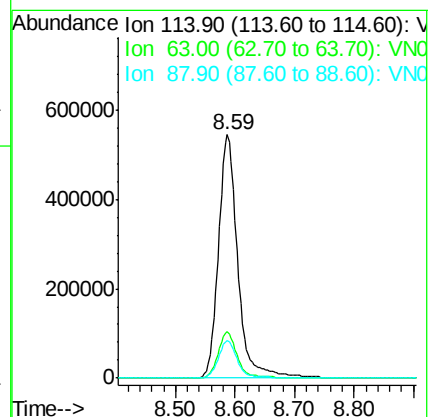
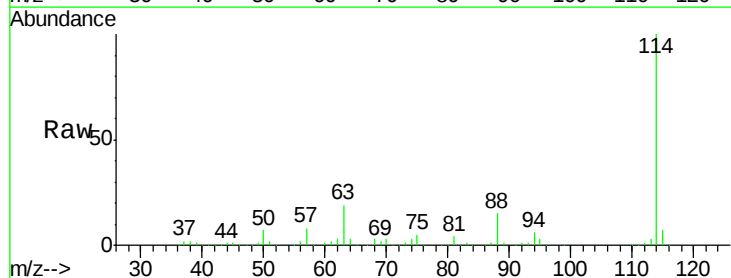
Tgt Ion: 114 Resp: 1227680

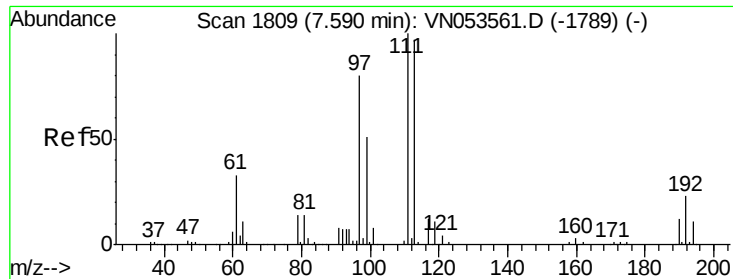
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

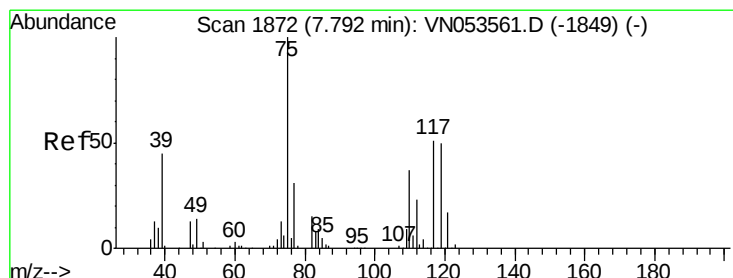
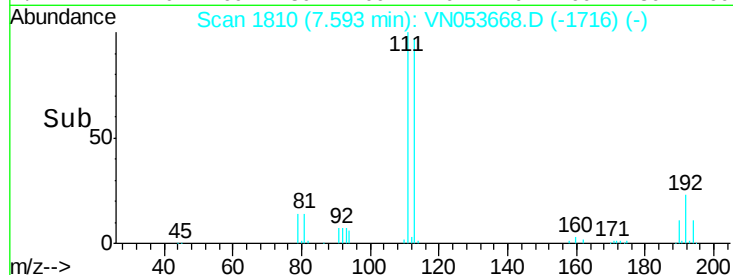
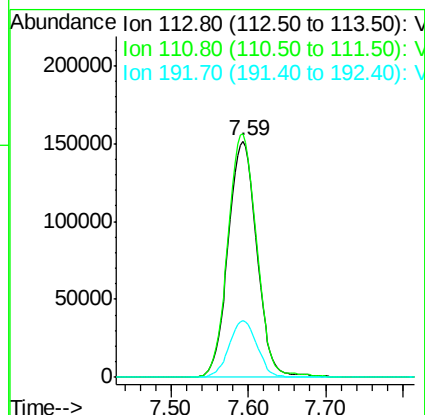
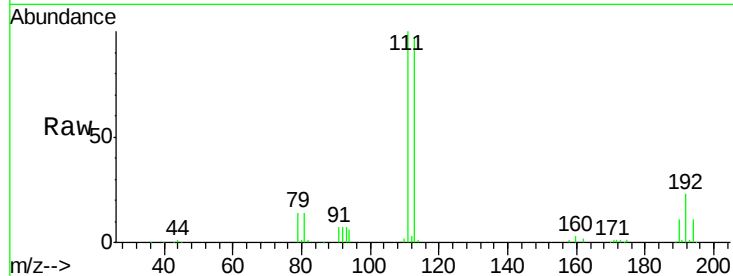
88 15.3 0.0 30.4





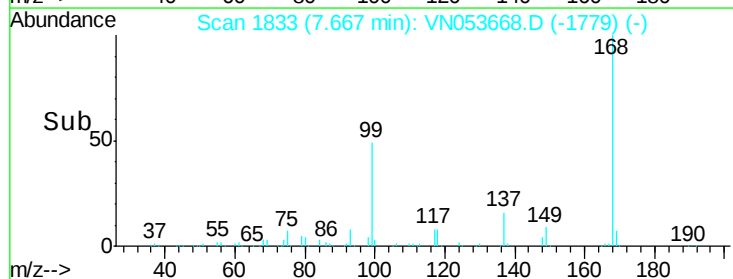
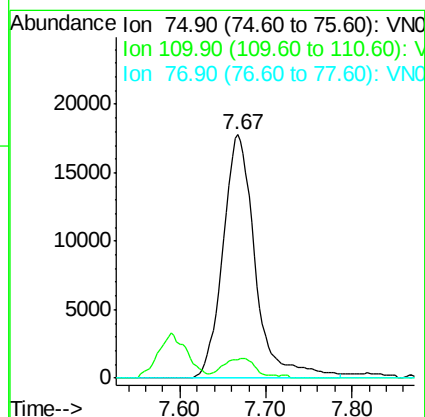
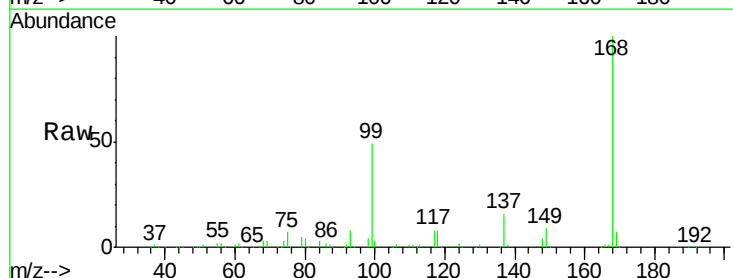
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053668.D
 Acq: 7 Feb 2019 20:47

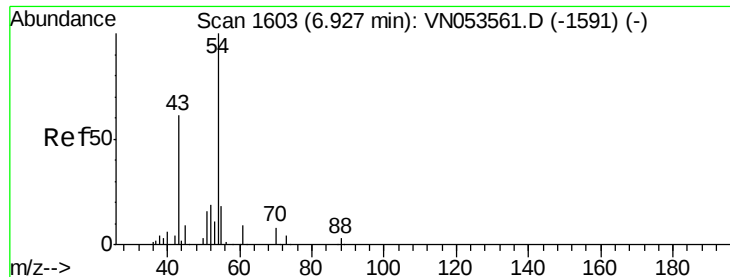
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.1	121.7
192	23.5	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 4.199 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053668.D
 Acq: 7 Feb 2019 20:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.1	18.1	54.3#
77	0.0	25.1	37.7#





#37

Ethyl Acetate

Concen: 0.924 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. -0.08 min

Lab File: VN053668.D

Acq: 7 Feb 2019 20:47

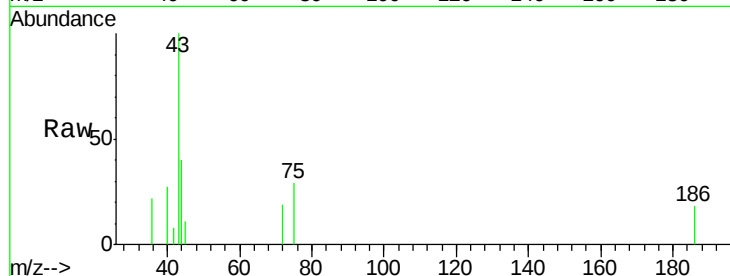
Tot Ion: 43 Resp: 5712

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

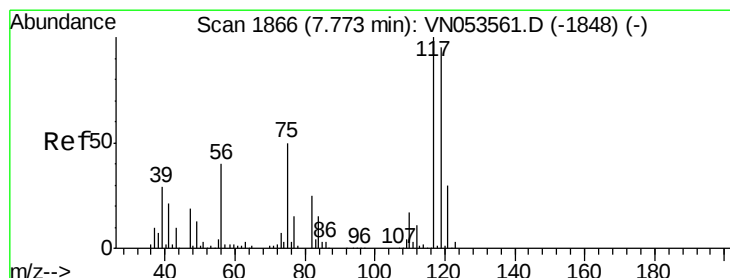
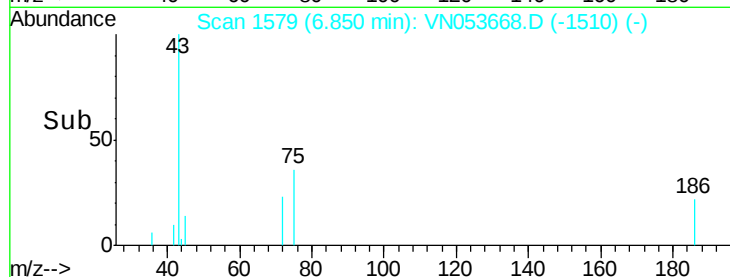
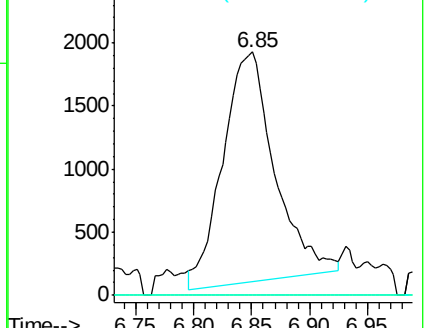
70 0.0 8.6 12.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 5.282 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053668.D

Acq: 7 Feb 2019 20:47

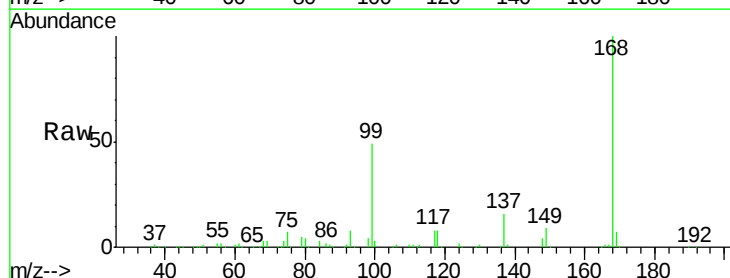
Tgt Ion: 117 Resp: 58888

Ion Ratio Lower Upper

117 100

119 5.3 77.2 115.8#

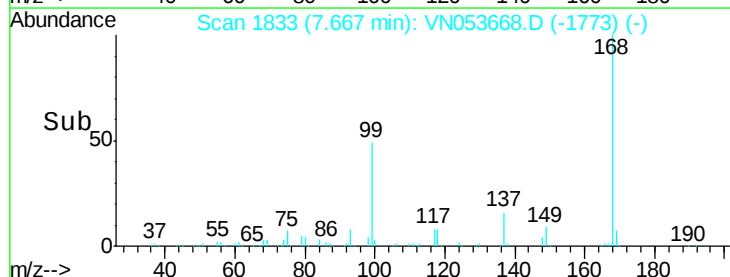
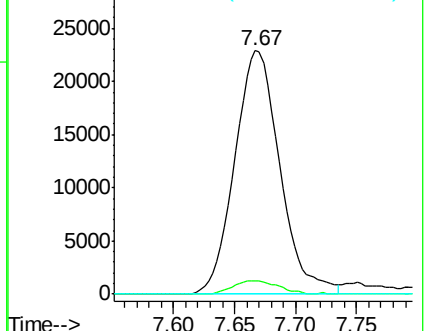
121 0.0 24.6 37.0#

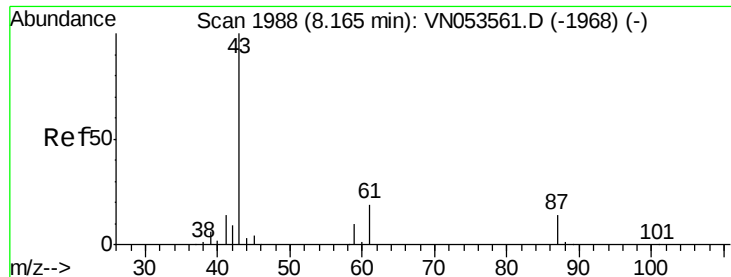


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 2.988 ug/l

RT: 8.18 min Scan# 1992

Delta R.T. 0.01 min

Lab File: VN053668.D

Acq: 7 Feb 2019 20:47

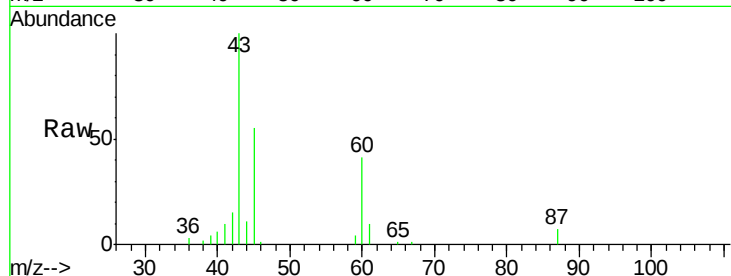
Tot Ion: 43 Resp: 35663

Ion Ratio Lower Upper

43 100

61 16.0 23.9 35.9#

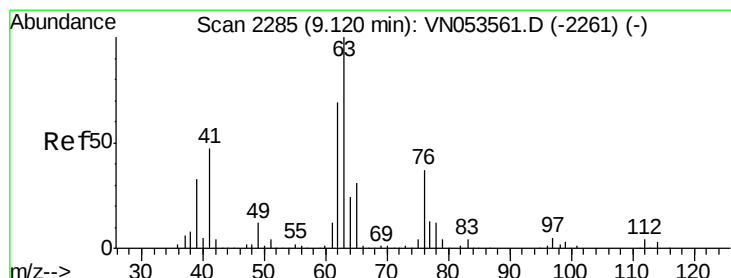
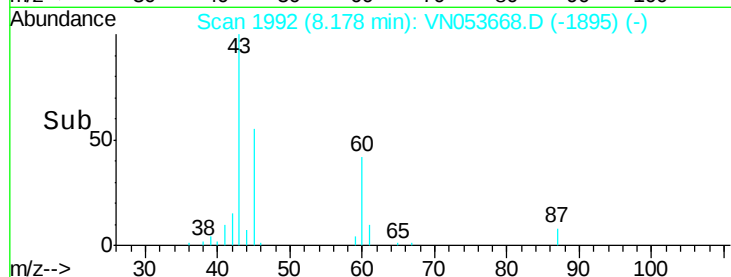
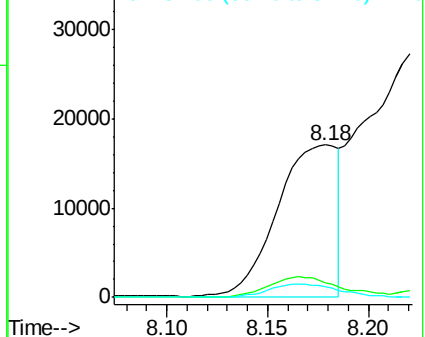
87 10.1 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.236 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053668.D

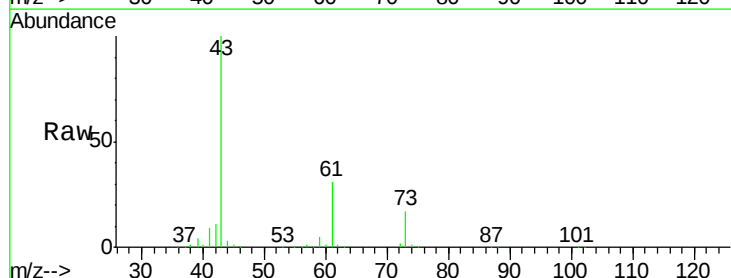
Acq: 7 Feb 2019 20:47

Tgt Ion: 63 Resp: 2064

Ion Ratio Lower Upper

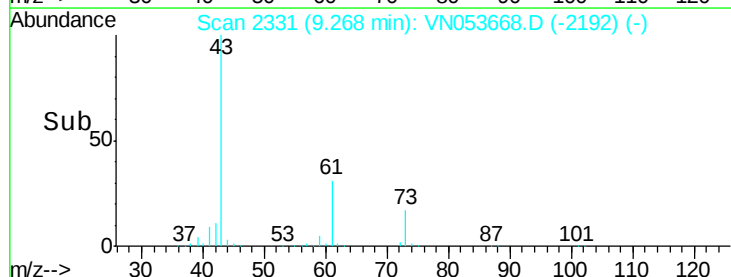
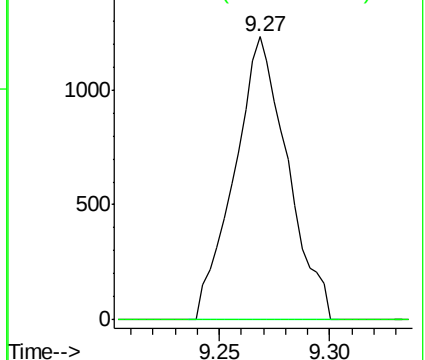
63 100

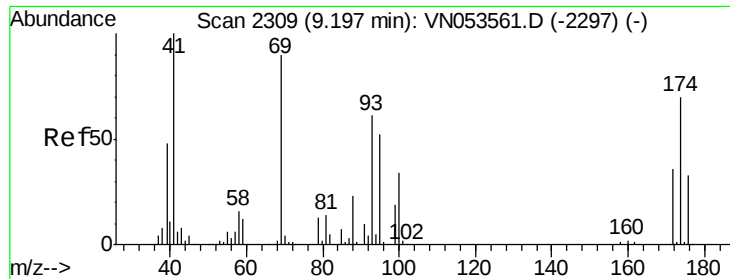
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#48

Methvl methacrylate

Concen: 2.125 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN053668.D

Acq: 7 Feb 2019 20:47

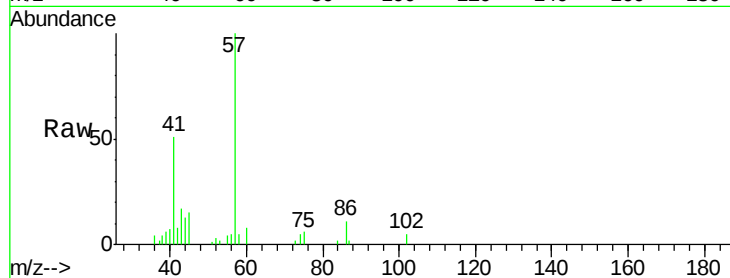
Tot Ion: 41 Resp: 12106

Ion Ratio Lower Upper

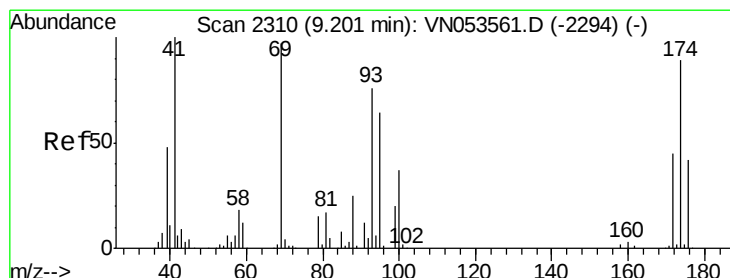
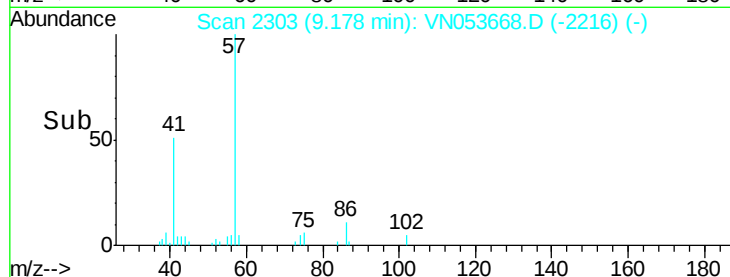
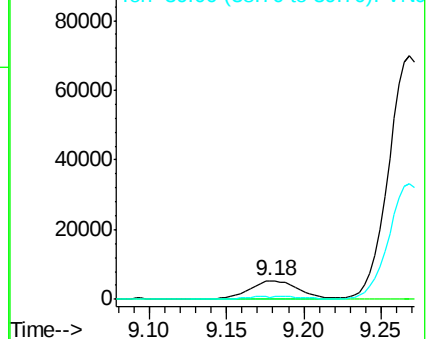
41 100

69 0.0 73.8 110.6#

39 0.0 40.0 60.0#



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



#49

1,4-Dioxane

Concen: 39.808 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.07 min

Lab File: VN053668.D

Acq: 7 Feb 2019 20:47

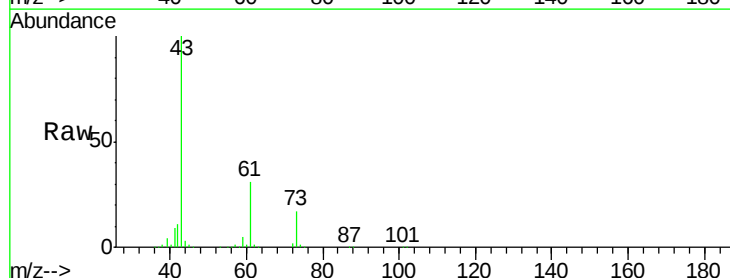
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

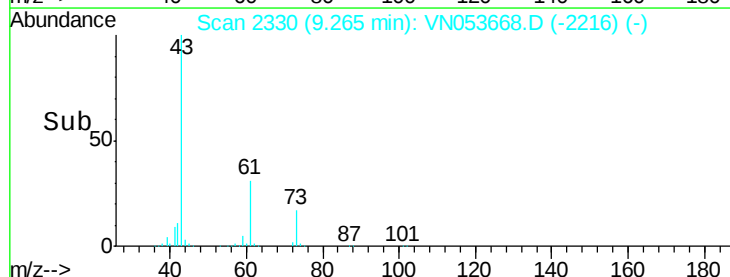
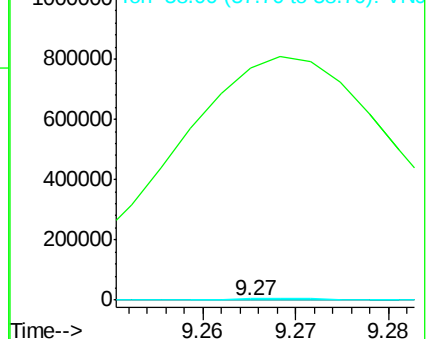
88 100

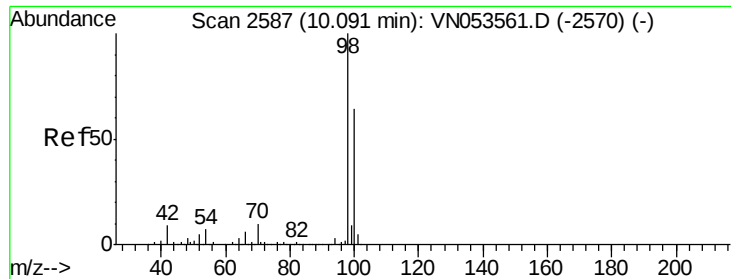
43 2712350.8 27.8 41.6#

58 13216.4 56.5 84.7#



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





#50

Toluene-d8

Concen: 39.808 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053668.D

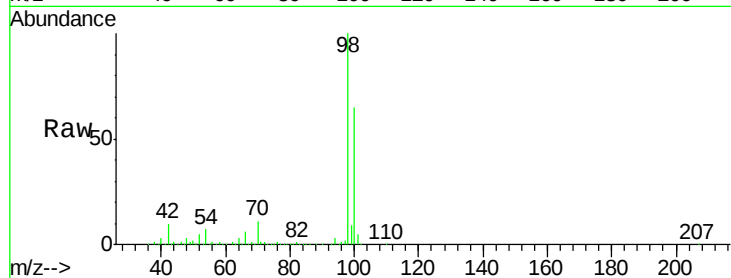
Acq: 7 Feb 2019 20:47

Tot Ion: 98 Resp: 1466233

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)

10.09

800000

600000

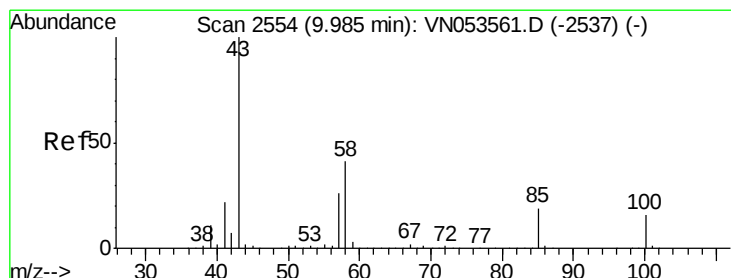
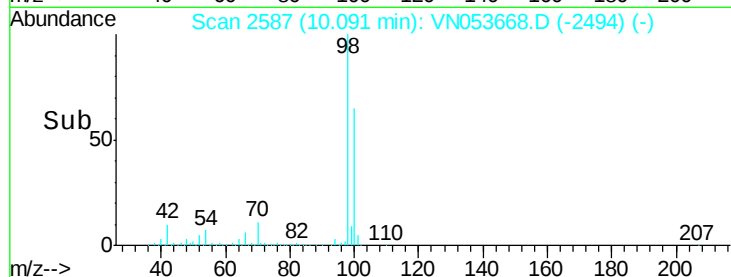
400000

200000

0

Time-->

10.00 10.10 10.20 10.30



#51

4-Methyl-2-Pentanone

Concen: 1.443 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053668.D

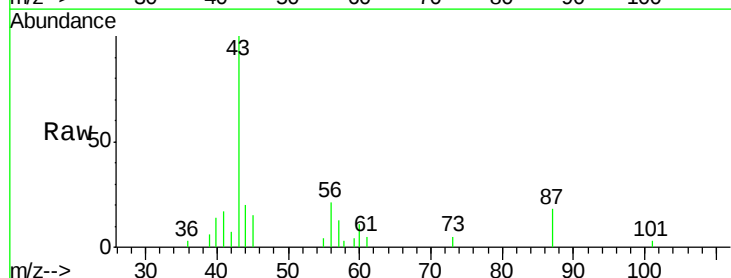
Acq: 7 Feb 2019 20:47

Tgt Ion: 43 Resp: 8462

Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2537) (-)

10.02

6000

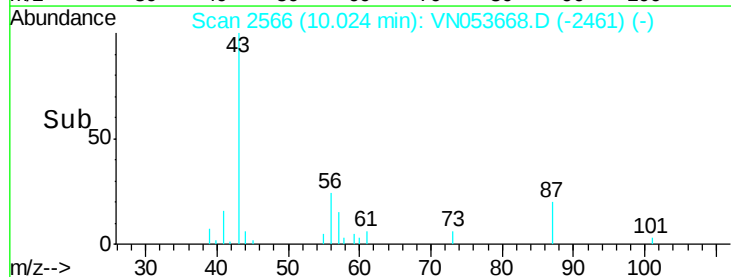
4000

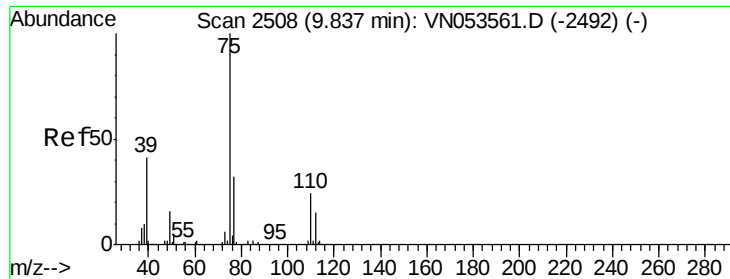
2000

0

Time-->

10.00 10.05





#54

cis-1,3-Dichloropropene

Concen: 5.523 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053668.D

Acq: 7 Feb 2019 20:47

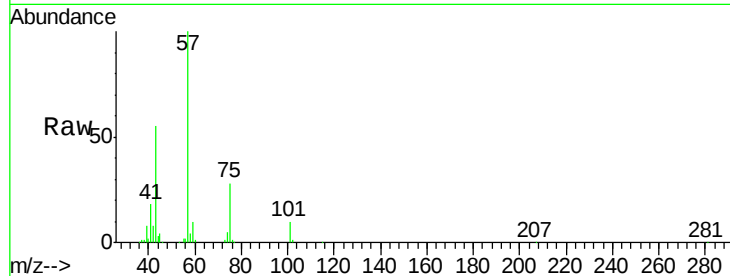
Tot Ion: 75 Resp: 71694

Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.6#

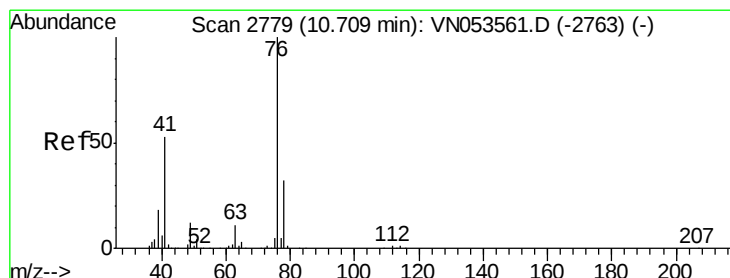
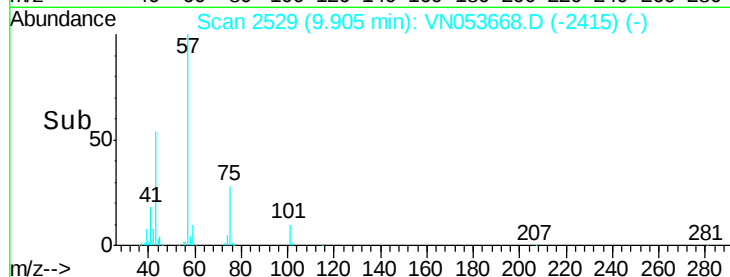
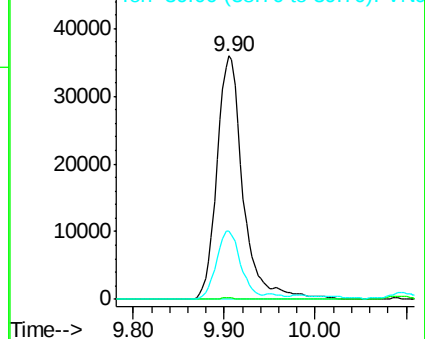
39 28.2 33.4 50.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.184 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN053668.D

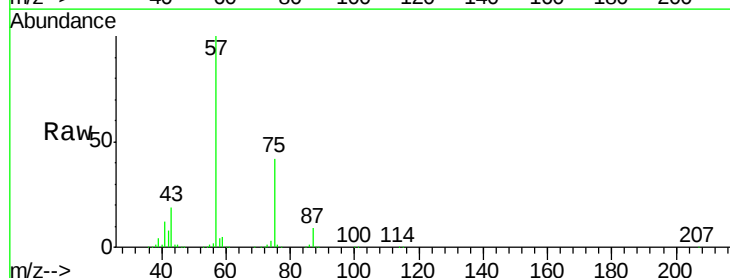
Acq: 7 Feb 2019 20:47

Tgt Ion: 76 Resp: 14772

Ion Ratio Lower Upper

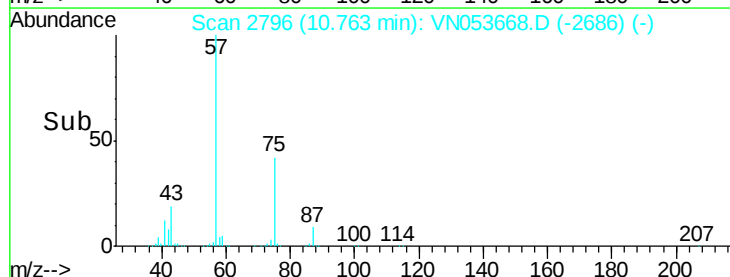
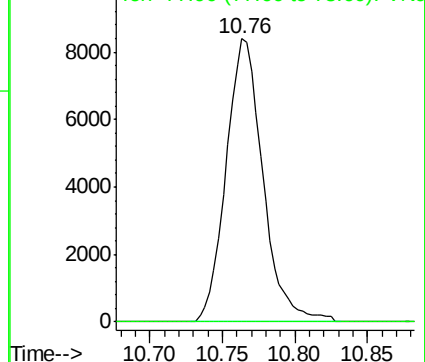
76 100

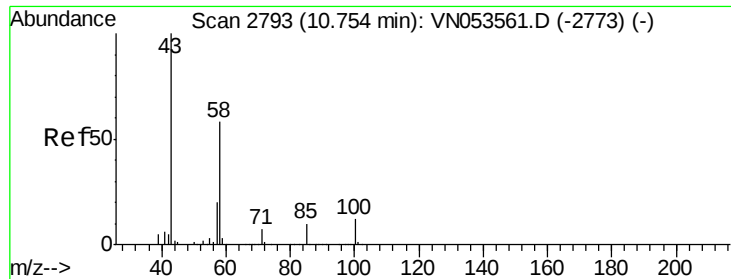
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

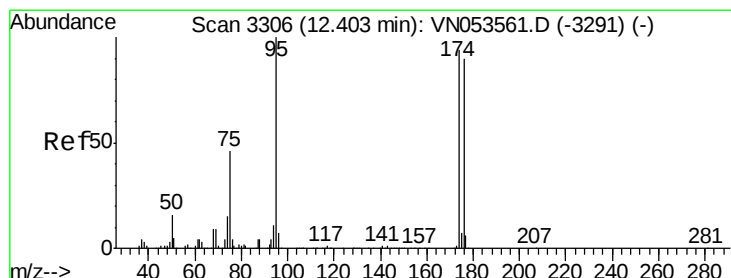
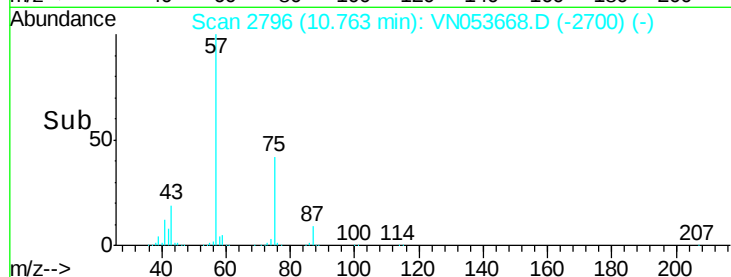
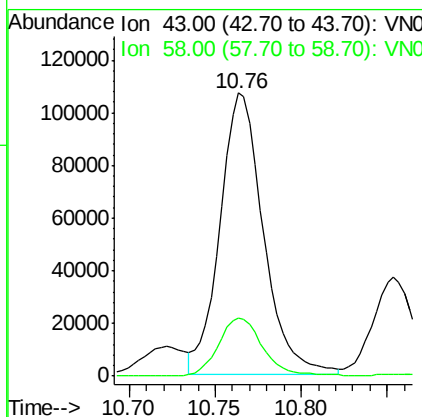
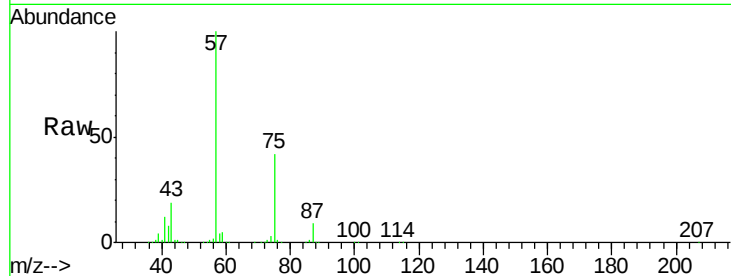
Ion 77.90 (77.60 to 78.60): VN0





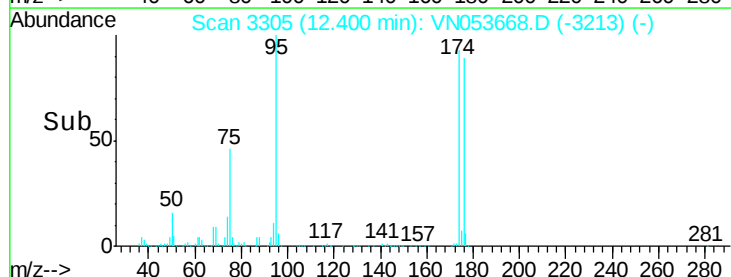
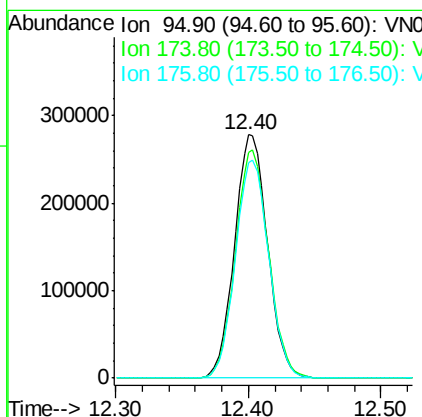
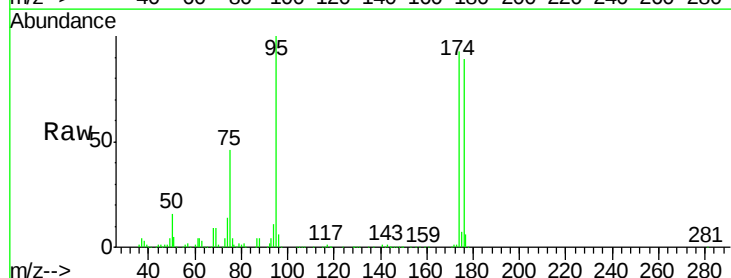
#59
2-Hexanone
Concen: 47.376 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053668.D
Acq: 7 Feb 2019 20:47

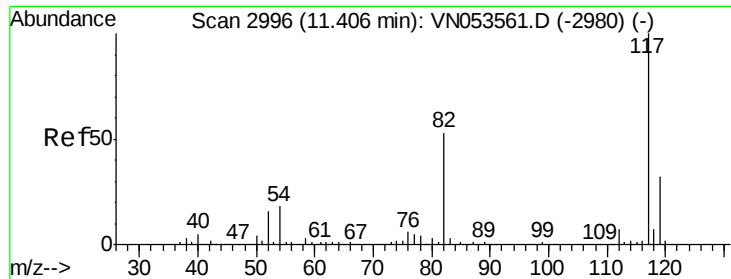
Tot Ion: 43 Resp: 188653
Ion Ratio Lower Upper
43 100
58 21.2 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053668.D
Acq: 7 Feb 2019 20:47

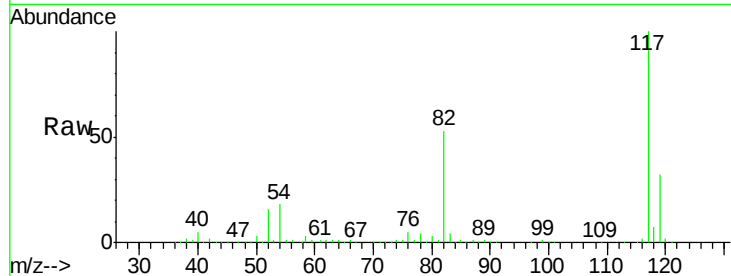
Tgt Ion: 95 Resp: 480982
Ion Ratio Lower Upper
95 100
174 93.9 0.0 183.2
176 90.4 0.0 177.4



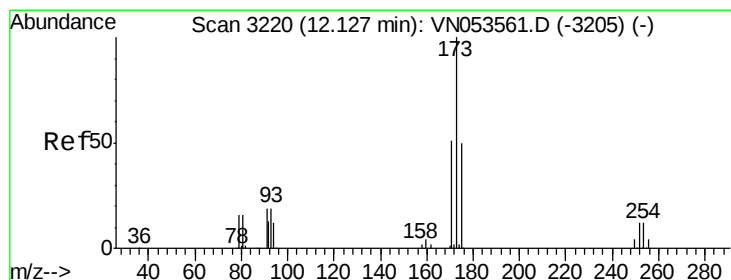
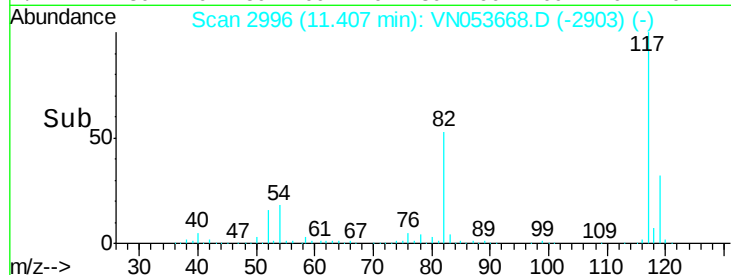
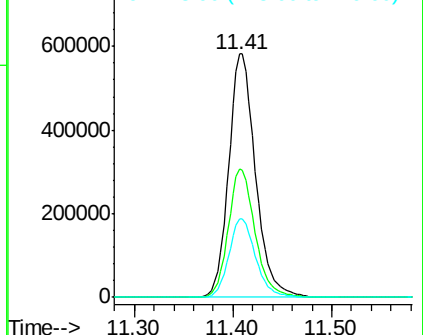


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053668.D
Acq: 7 Feb 2019 20:47

Tot Ion:117 Resp: 1105500
Ion Ratio Lower Upper
117 100
82 52.7 42.9 64.3
119 32.2 26.0 39.0

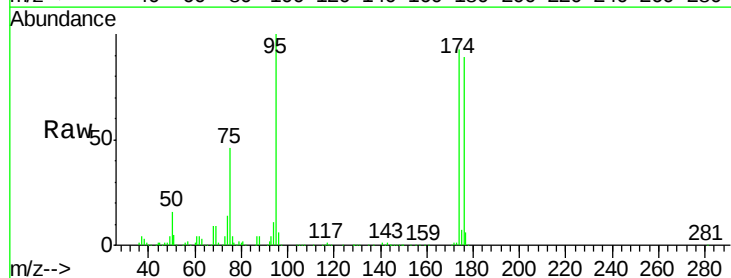


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

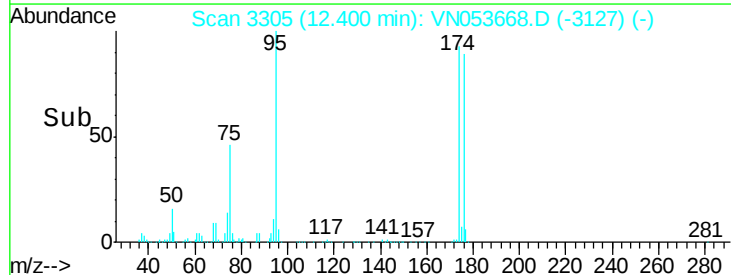
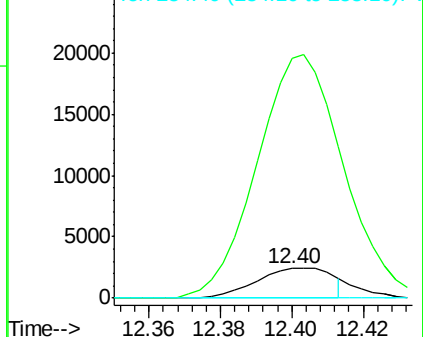


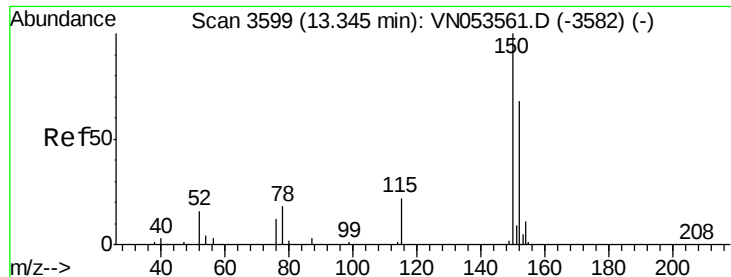
#71
Bromoform
Concen: 0.646 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053668.D
Acq: 7 Feb 2019 20:47

Tgt Ion:173 Resp: 3630
Ion Ratio Lower Upper
173 100
175 783.2 24.6 74.0#
254 0.0 0.2 0.2#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053668.D

Acq: 7 Feb 2019 20:47

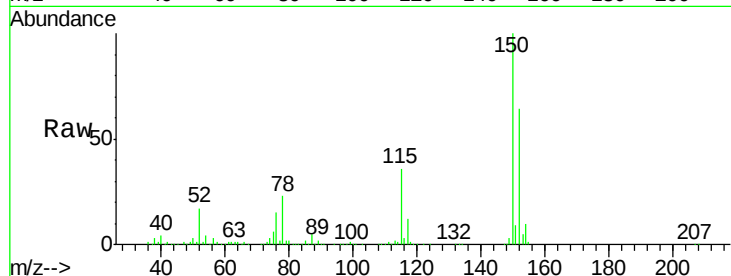
Tot Ion:152 Resp: 443236

Ion Ratio Lower Upper

152 100

115 54.6 27.8 83.4

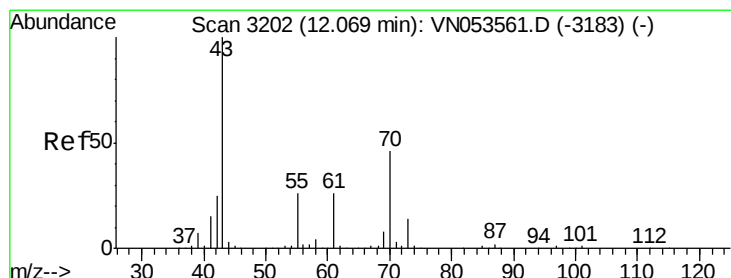
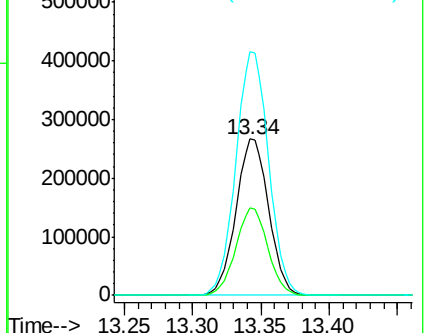
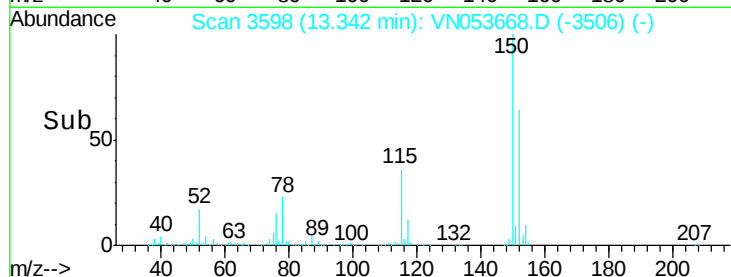
150 156.4 0.0 349.0



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-ethyl acetate

Concen: 2.688 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053668.D

Acq: 7 Feb 2019 20:47

Tgt Ion: 43 Resp: 20144

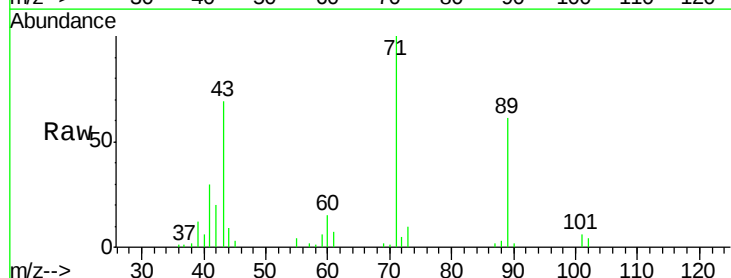
Ion Ratio Lower Upper

43 100

70 0.9 35.4 53.2#

55 6.0 20.9 31.3#

61 10.5 20.5 30.7#

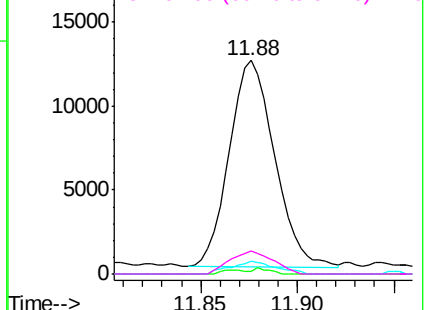
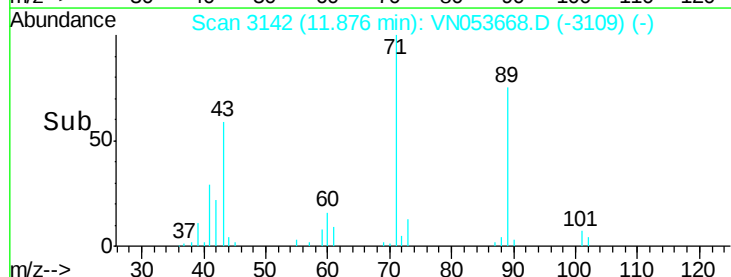


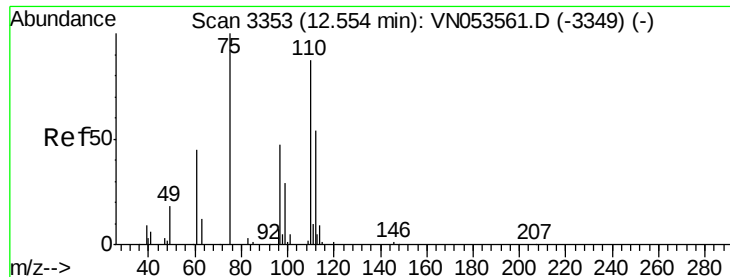
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

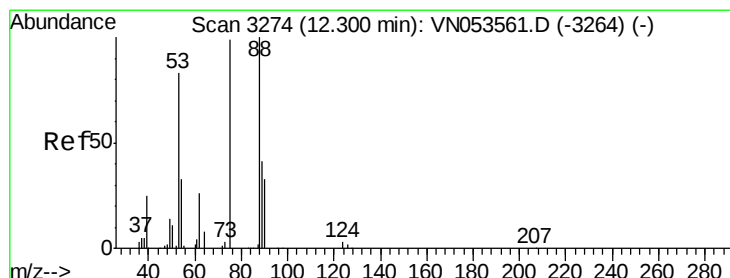
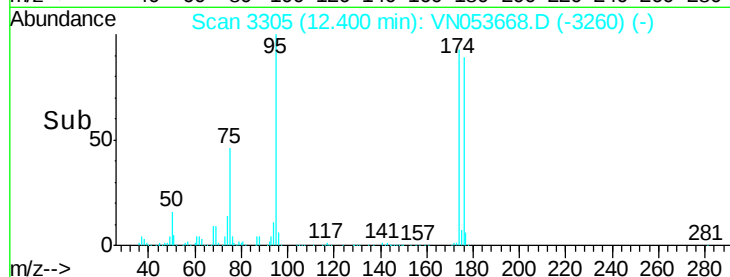
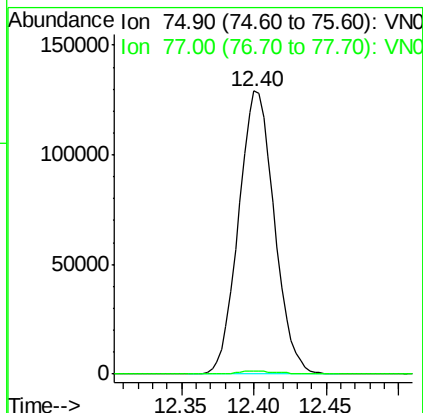
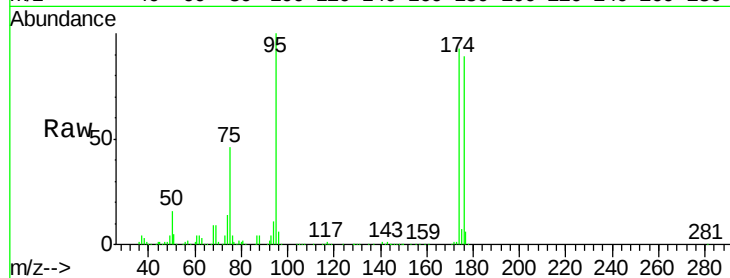




#76

1,2,3-Trichloropropane
Concen: 38.903 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN053668.D
Acq: 7 Feb 2019 20:47

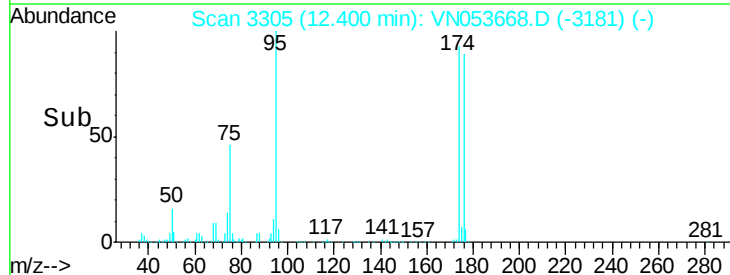
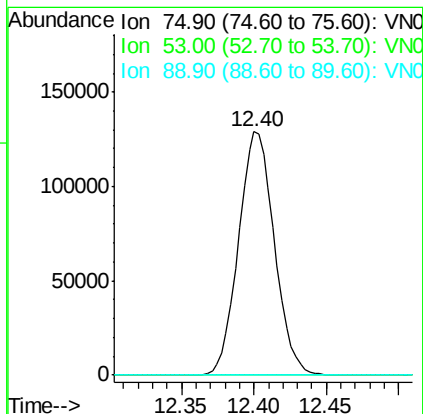
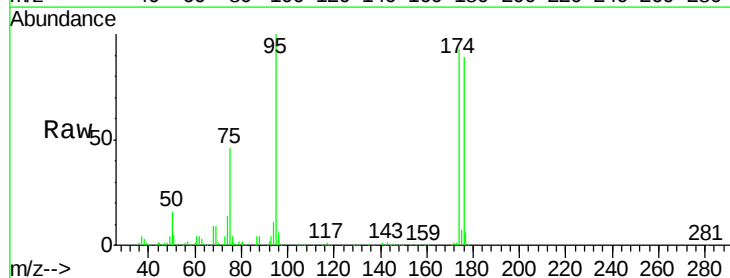
Tot Ion: 75 Resp: 221481
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

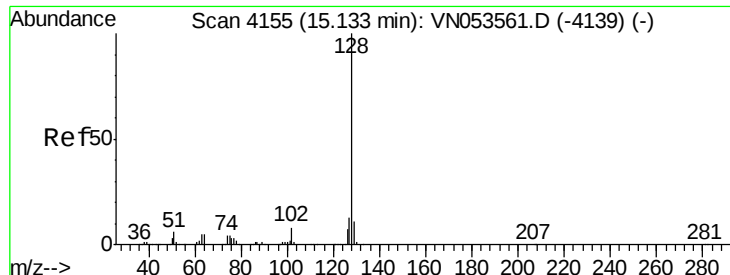


#81

trans-1,4-Dichloro-2-butene
Concen: 109.393 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN053668.D
Acq: 7 Feb 2019 20:47

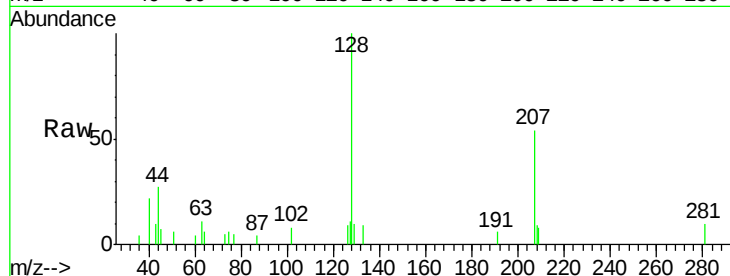
Tgt Ion: 75 Resp: 221481
Ion Ratio Lower Upper
75 100
53 0.0 69.8 104.6#
89 0.0 35.6 53.4#





#95
 Naphthalene
 Concen: 2.059 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053668.D
 Acq: 7 Feb 2019 20:47

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.3	15.5
129	10.1	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

