

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050026.D
 Acq On : 24 Jul 2018 17:33
 Operator : MD\SY
 Sample : J4111-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 25 00:49:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	616801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	991236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	834568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	306059	50.00	ug/l	0.00

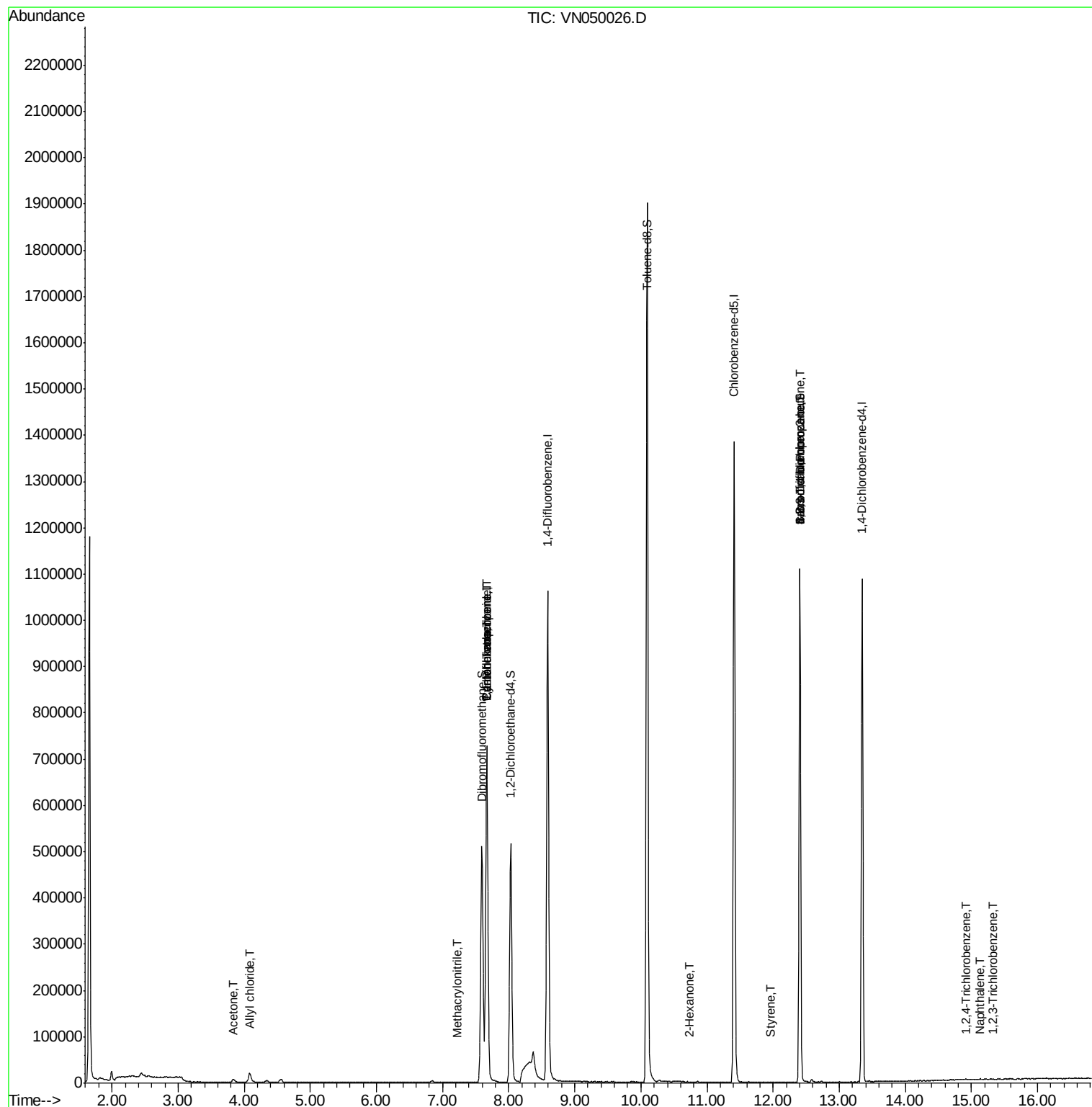
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	450614	52.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.72%	
35) Dibromofluoromethane	7.60	113	391020	48.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.62%	
50) Toluene-d8	10.09	98	1357724	45.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.26%	
62) 4-Bromofluorobenzene	12.41	95	364871	37.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.48%	

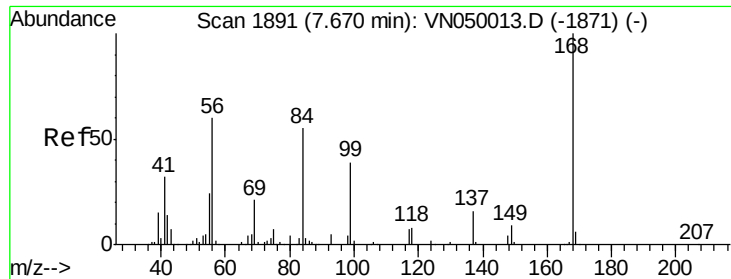
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	320	Below Cal		100
14) Allyl chloride	4.08	41	3444	0.31 ug/l	#	65
16) Acetone	3.83	43	11699	1.45 ug/l		98
18) Methyl Acetate	4.34	43	7506	Below Cal	#	67
20) Methylene Chloride	4.55	84	5221	Below Cal		92
31) Cyclohexane	7.67	56	11640	0.91 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	44636	4.00 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	56491	4.77 ug/l	#	16
41) Methacrylonitrile	7.23	41	103	2.77 ug/l	#	28
59) 2-Hexanone	10.75	43	461	5.25 ug/l	#	24
70) Styrene	11.97	104	196	0.93 ug/l	#	37
71) Bromoform	12.40	173	3690	0.63 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.42	83	66	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	178929	31.46 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	178929	99.78 ug/l	#	13
93) 1,2,4-Trichlorobenzene	14.91	180	155	3.11 ug/l	#	5
95) Naphthalene	15.13	128	857	4.47 ug/l	#	69
96) 1,2,3-Trichlorobenzene	15.32	180	347	2.26 ug/l	#	47

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

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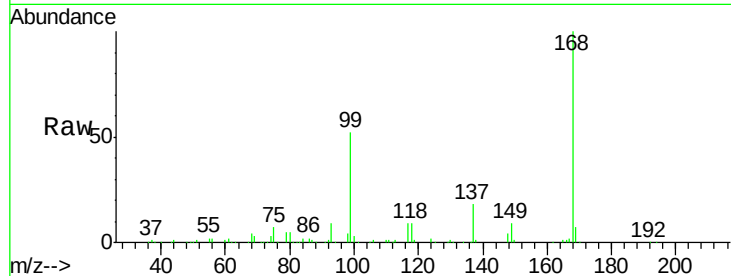
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
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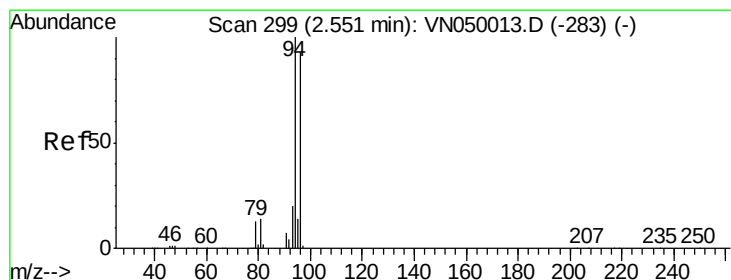
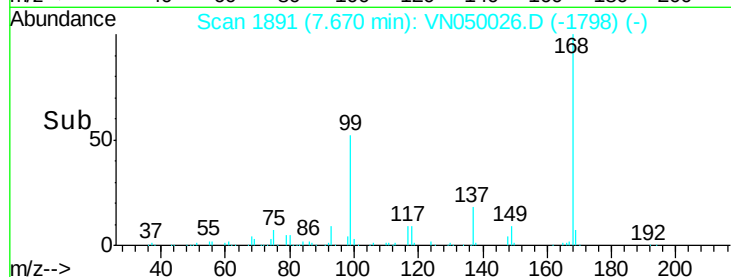
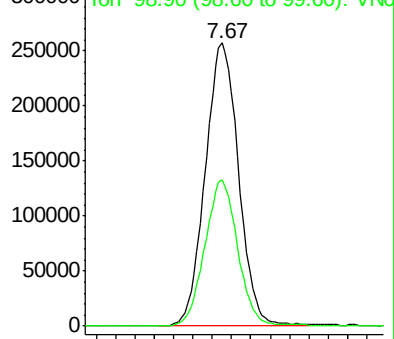


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.00 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

Tot Ion:168 Resp: 616801
Ion Ratio Lower Upper
168 100
99 51.5 40.0 60.0

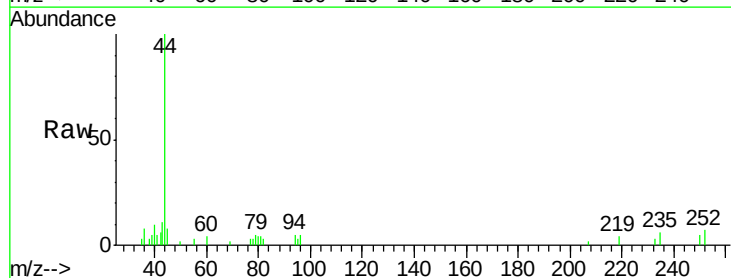


Abundance Ion 167.90 (167.60 to 168.60): V

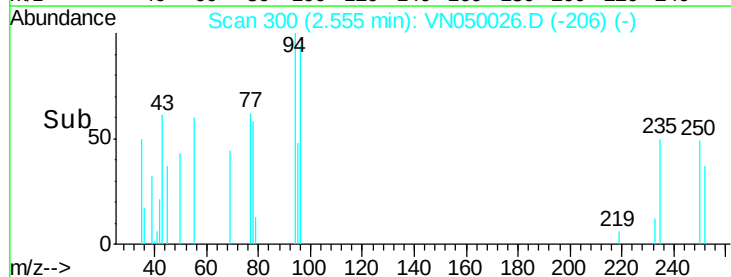
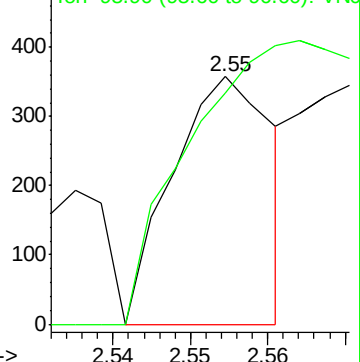


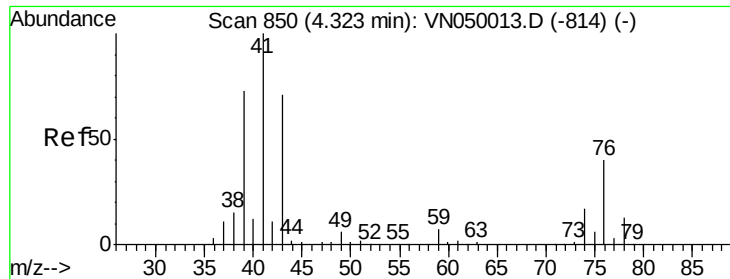
#5
Bromomethane
Concen: Below Cal
RT: 2.55 min Scan# 300
Delta R.T. 0.00 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

Tgt Ion: 94 Resp: 320
Ion Ratio Lower Upper
94 100
96 93.6 74.6 112.0



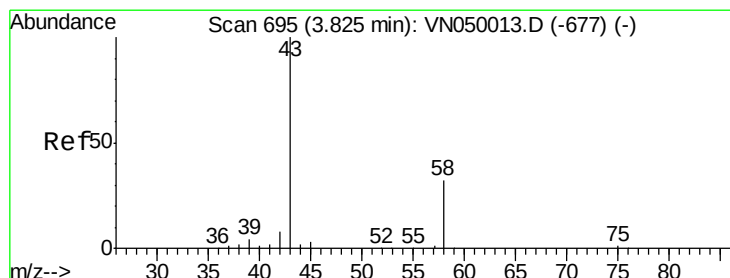
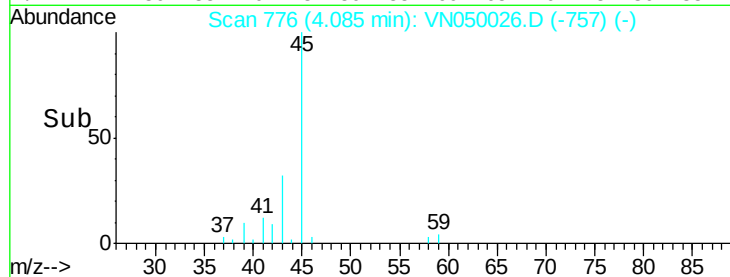
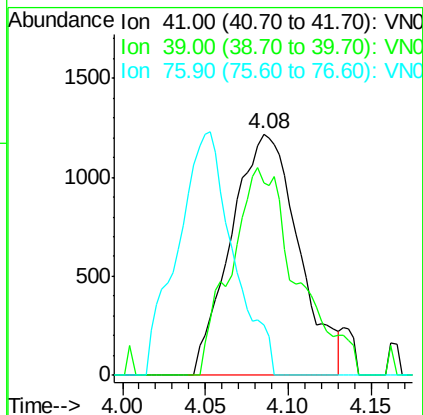
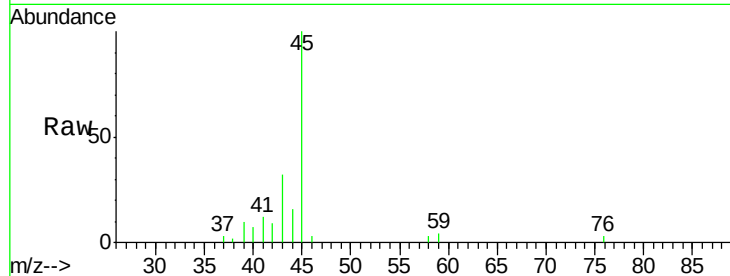
Abundance Ion 93.90 (93.60 to 94.60): VNO





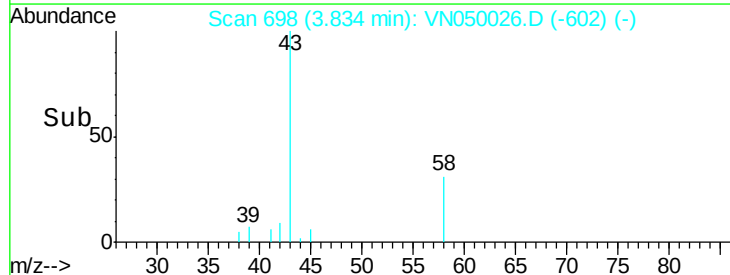
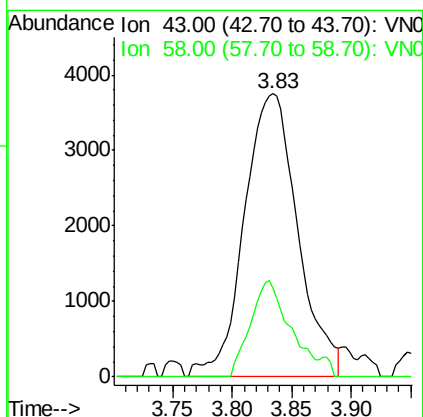
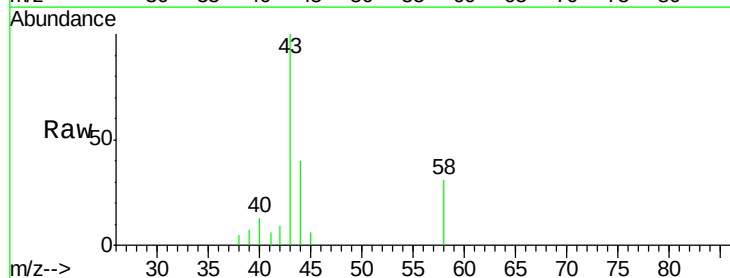
#14
Allvl chloride
Concen: 0.31 ug/l
RT: 4.08 min Scan# 776
Delta R.T. -0.24 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

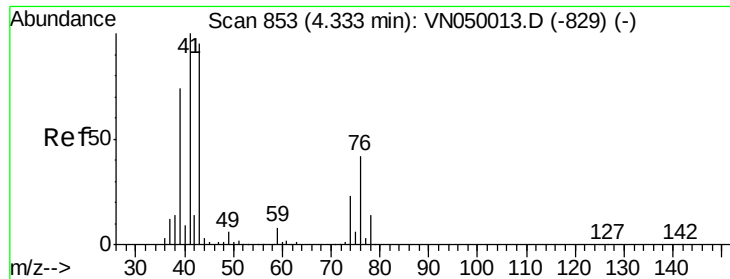
Tot Ion: 41 Resp: 3444
Ion Ratio Lower Upper
41 100
39 85.1 54.2 81.4#
76 0.0 29.0 43.6#



#16
Acetone
Concen: 1.45 ug/l
RT: 3.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

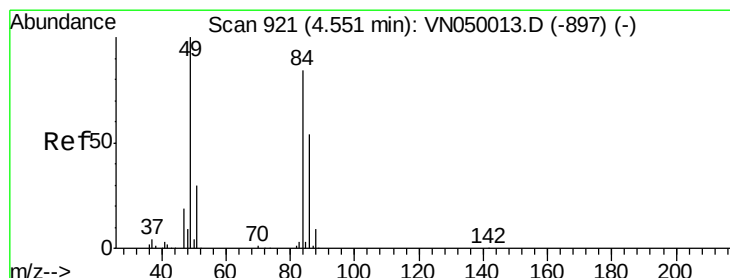
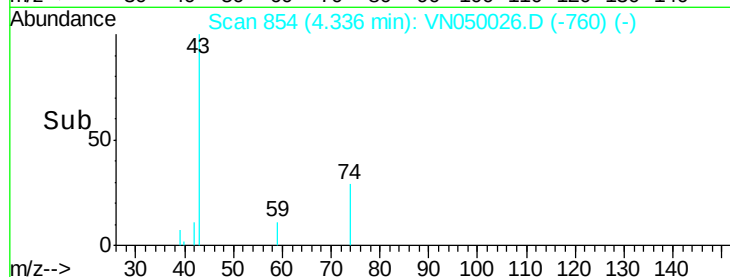
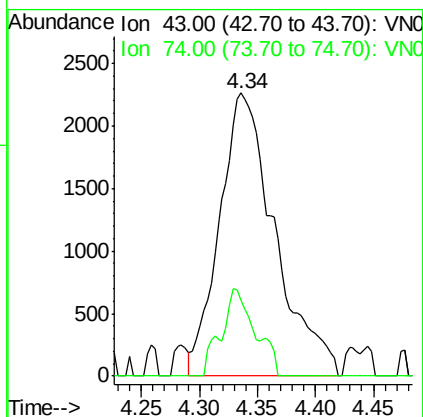
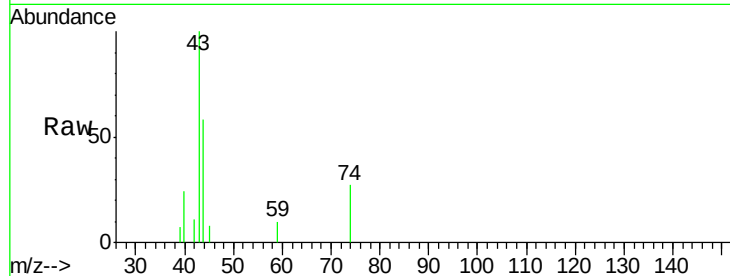
Tgt Ion: 43 Resp: 11699
Ion Ratio Lower Upper
43 100
58 31.4 25.8 38.8





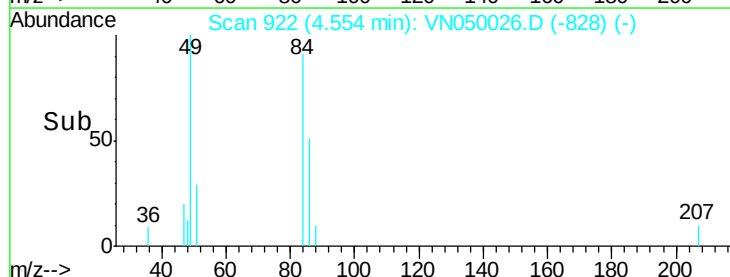
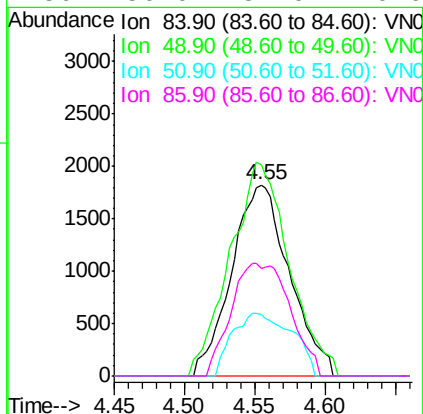
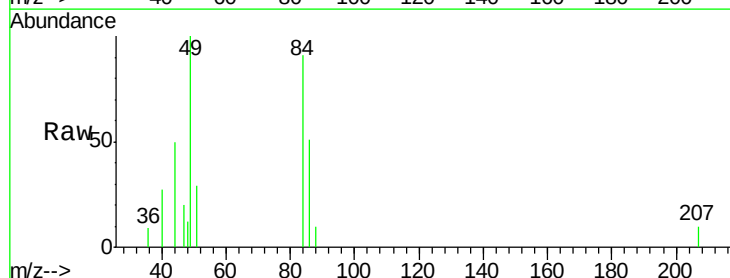
#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

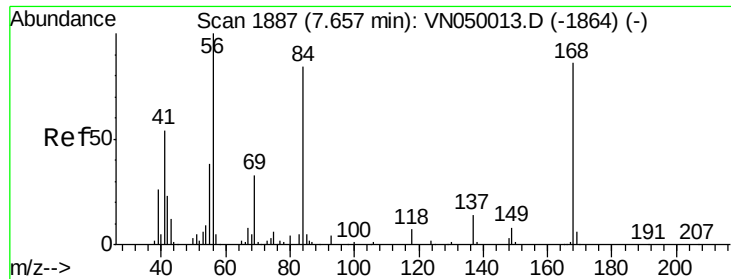
Tot Ion: 43 Resp: 7506
Ion Ratio Lower Upper
43 100
74 7.6 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

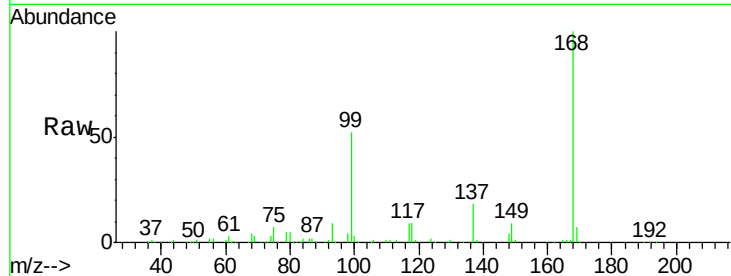
Tgt Ion: 84 Resp: 5221
Ion Ratio Lower Upper
84 100
49 110.5 94.8 142.2
51 32.3 28.3 42.5
86 56.0 51.0 76.6



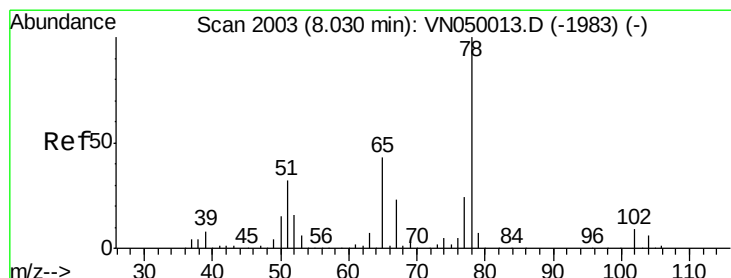
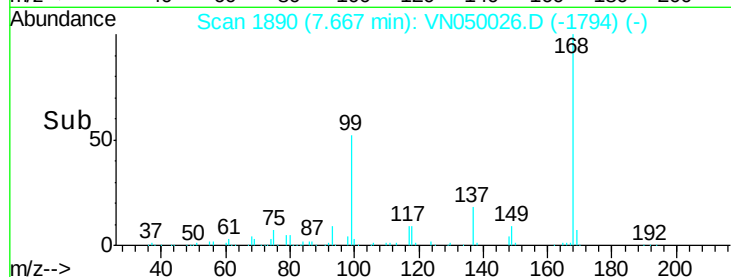
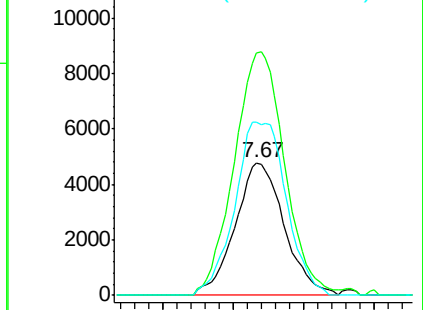


#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

Tot Ion: 56 Resp: 11640
Ion Ratio Lower Upper
56 100
69 182.7 26.2 39.4#
84 130.4 67.4 101.0#

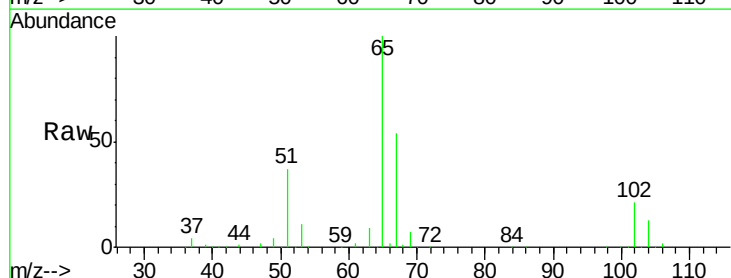


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

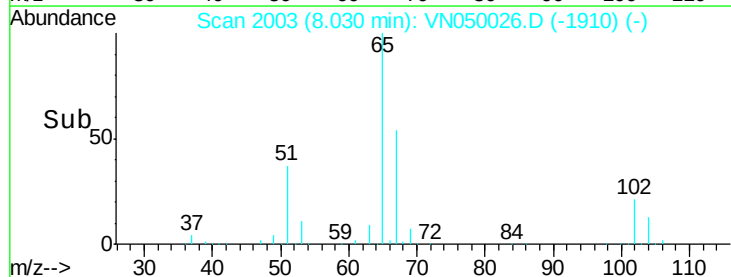
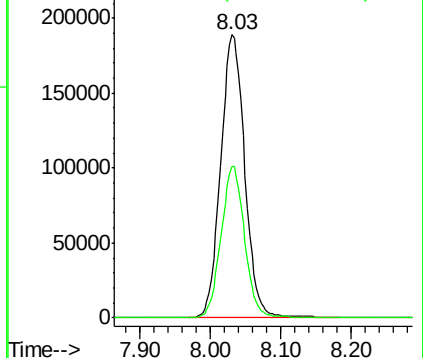


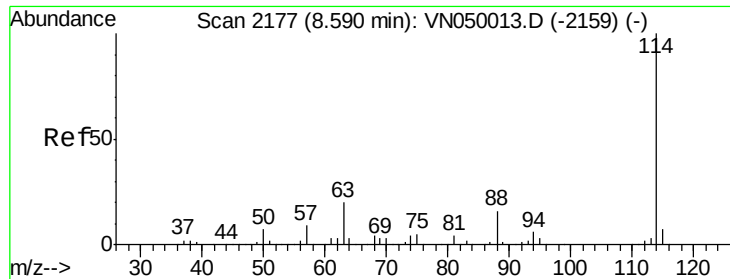
#33
1,2-Dichloroethane-d4
Concen: 52.36 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. -0.00 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

Tgt Ion: 65 Resp: 450614
Ion Ratio Lower Upper
65 100
67 52.2 0.0 108.4



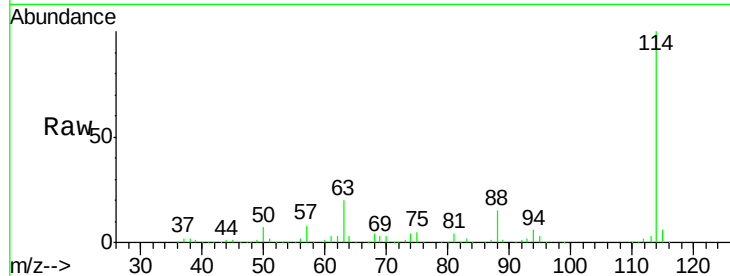
Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



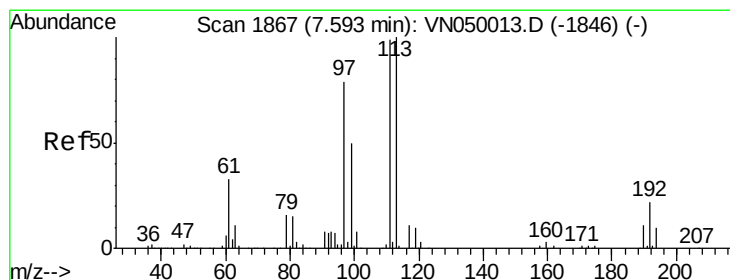
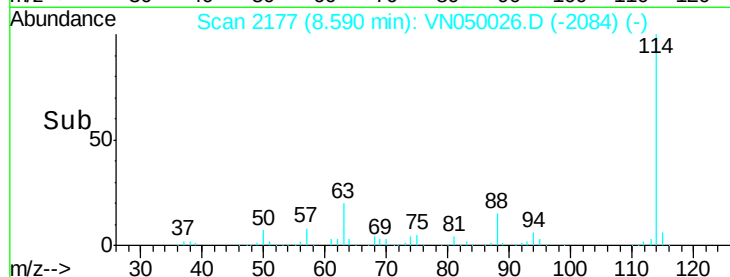
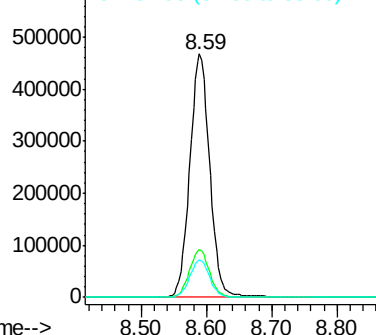


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2177
Delta R.T. -0.00 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.0
88	15.2	0.0	31.2

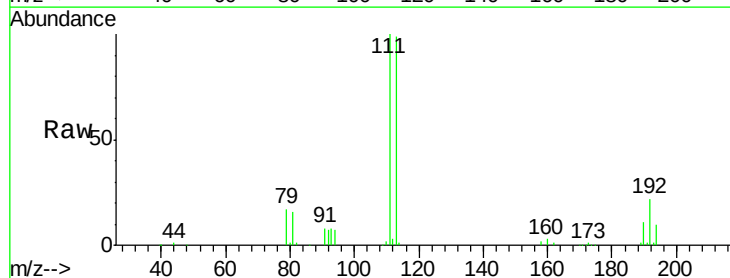


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

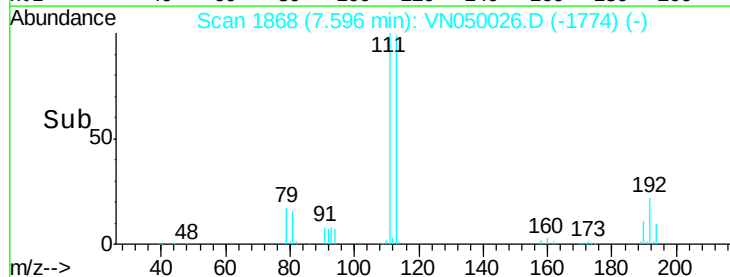
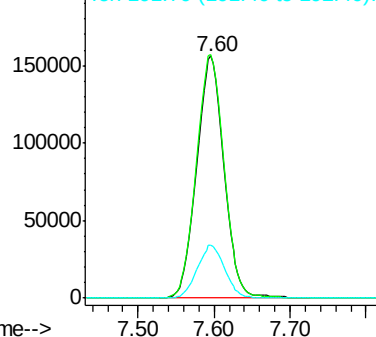


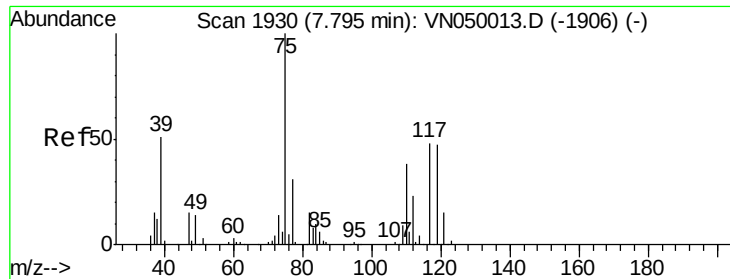
#35
Dibromofluoromethane
Concen: 48.31 ug/l
RT: 7.60 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.7	121.1
192	21.9	17.8	26.6



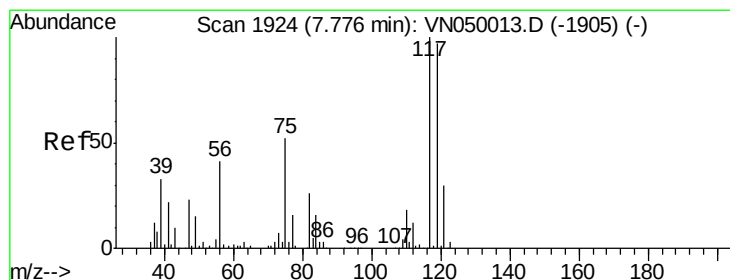
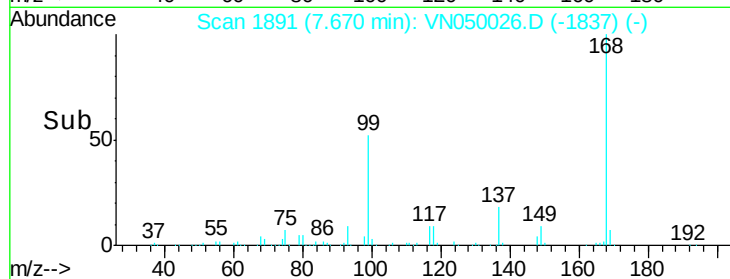
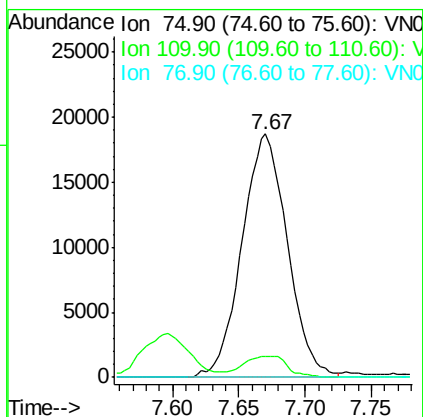
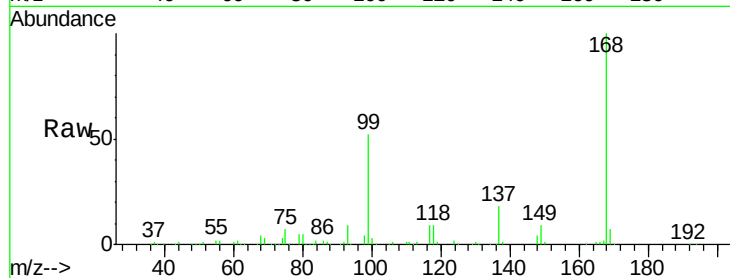
Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





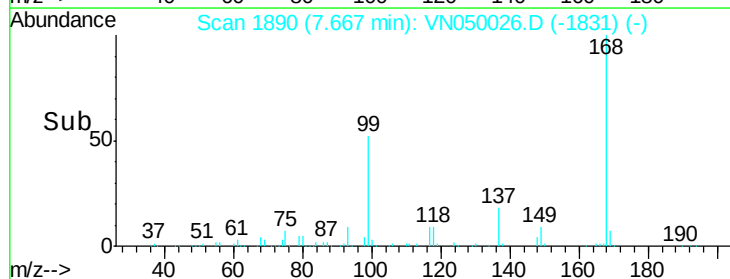
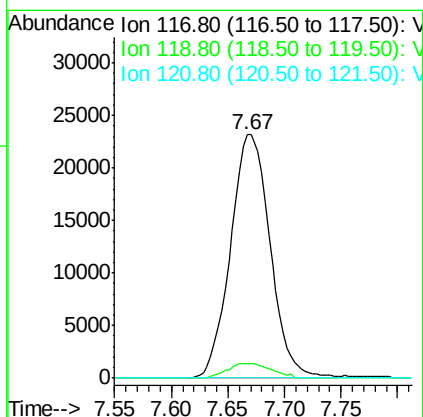
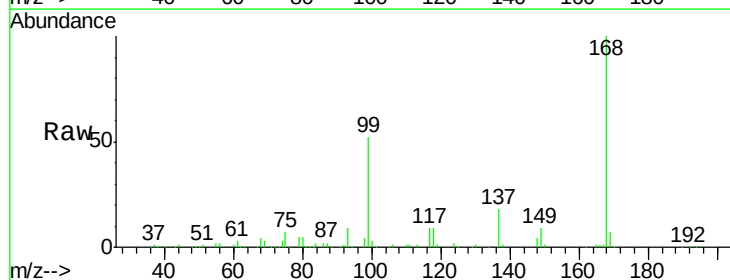
#36
 1,1-Dichloropropene
 Concen: 4.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050026.D
 Acq: 24 Jul 2018 17:33

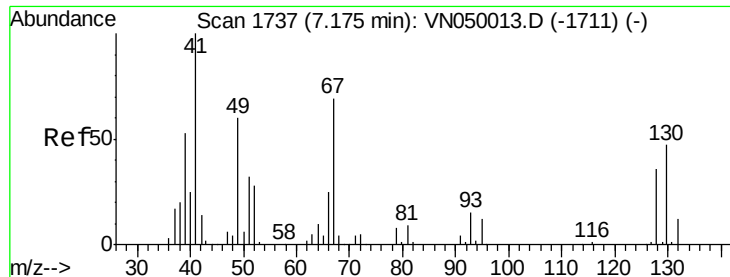
Tot Ion	75	110	77	Resp	Lower	Upper
	44636					
Ion Ratio	100	8.7	0.0			
		18.4	25.3			
		55.2#	37.9#			



#38
 Carbon Tetrachloride
 Concen: 4.77 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050026.D
 Acq: 24 Jul 2018 17:33

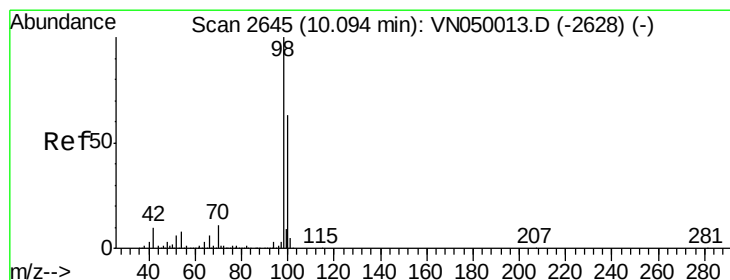
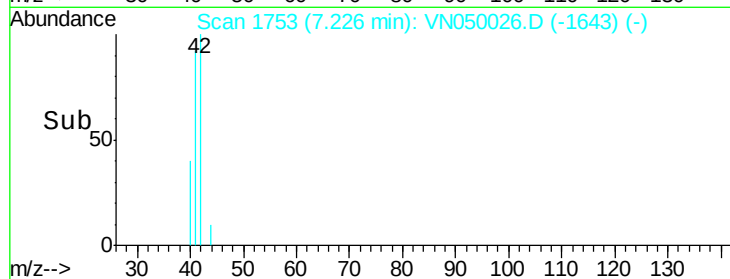
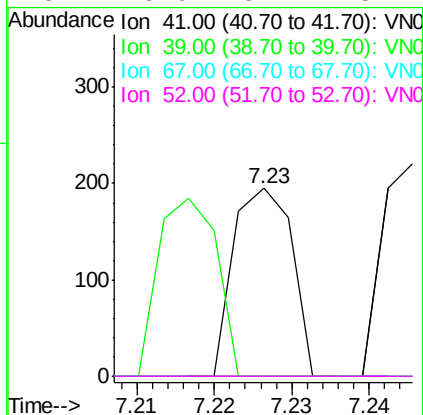
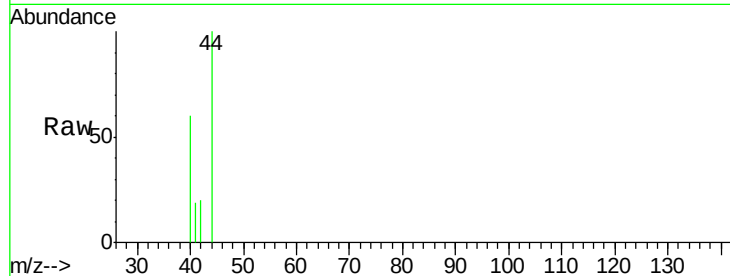
Tgt Ion	117	119	121	Resp	Lower	Upper
	56491					
Ion Ratio	100	5.8	0.0			
		77.4	23.9			
		116.0#	35.9#			





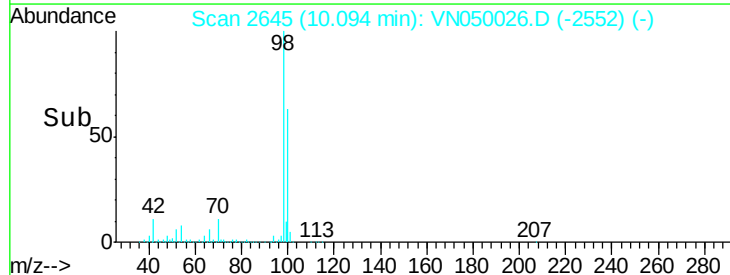
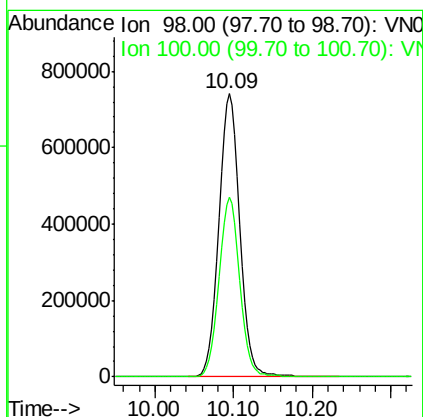
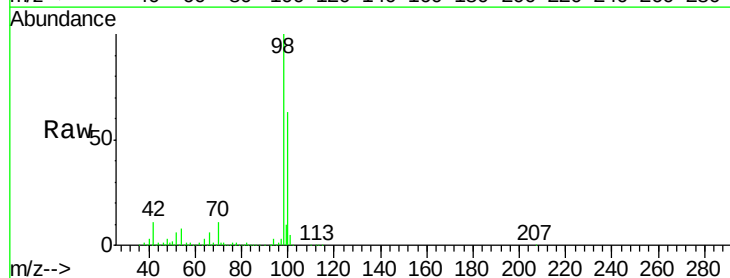
#41
Methacrylonitrile
Concen: 2.77 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.05 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

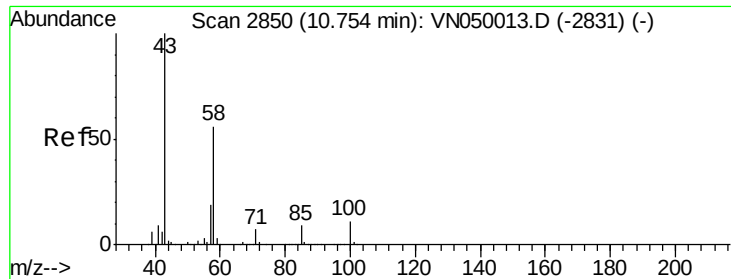
Tot Ion: 41 Resp: 103
Ion Ratio Lower Upper
41 100
39 93.2 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#50
Toluene-d8
Concen: 45.63 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

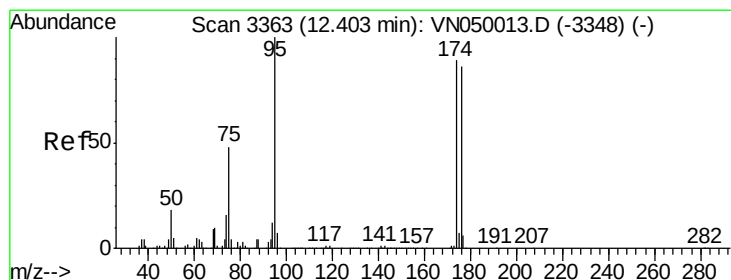
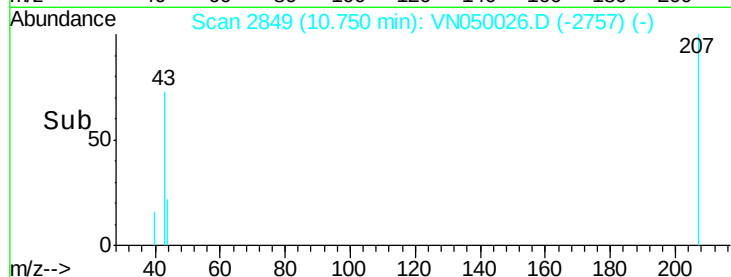
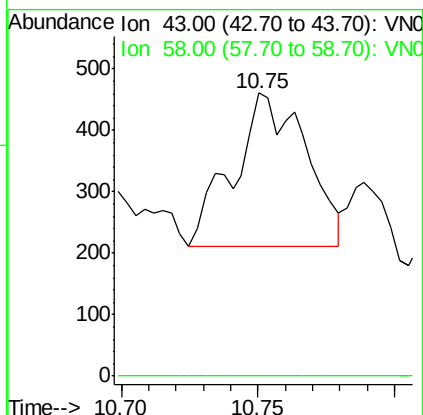
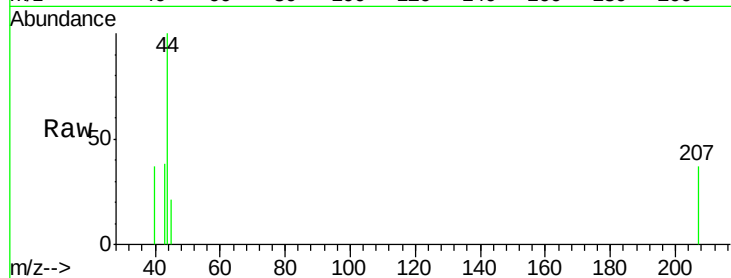
Tgt Ion: 98 Resp: 1357724
Ion Ratio Lower Upper
98 100
100 63.2 50.7 76.1





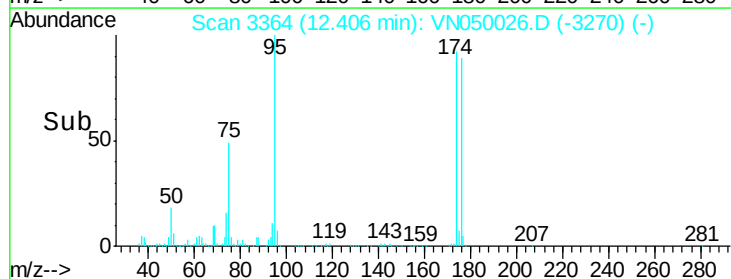
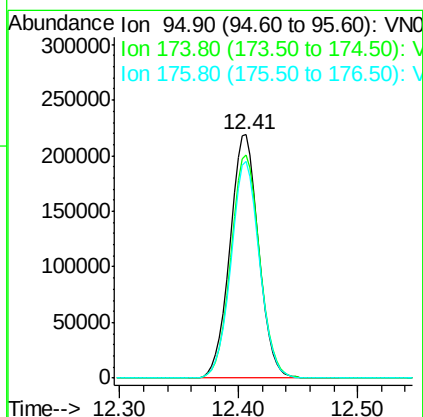
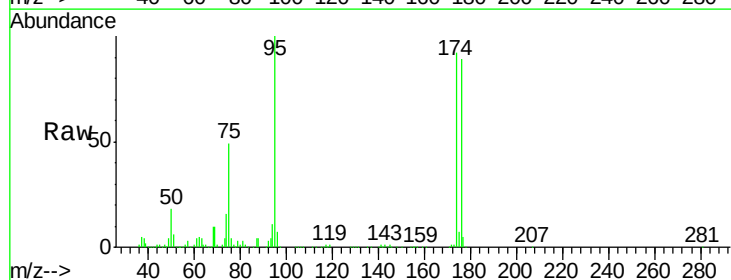
#59
2-Hexanone
Concen: 5.25 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

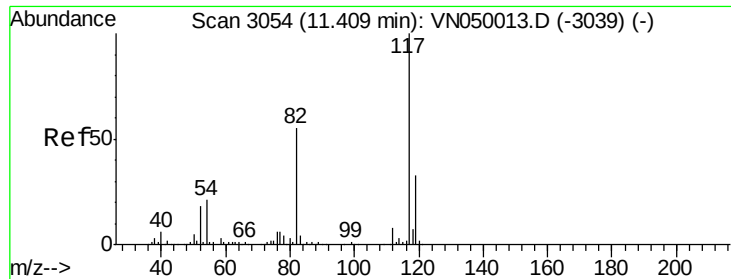
Tot Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 37.24 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

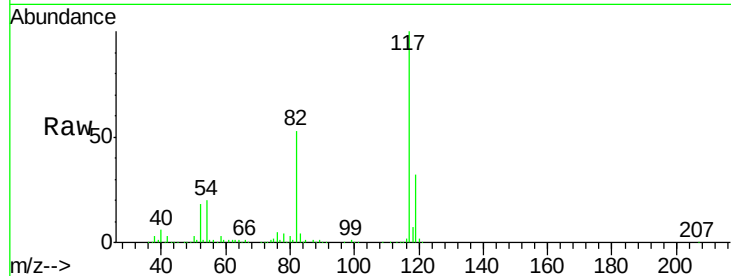
Tgt Ion: 95 Resp: 364871
Ion Ratio Lower Upper
95 100
174 92.4 0.0 178.2
176 88.5 0.0 173.4



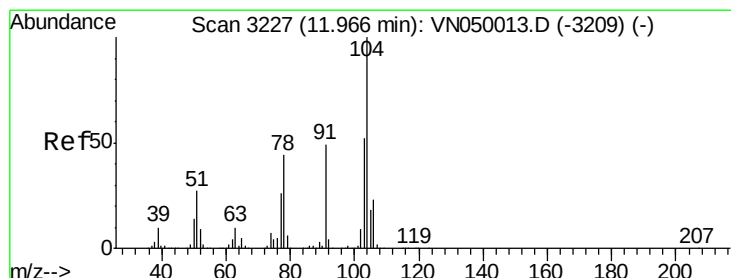
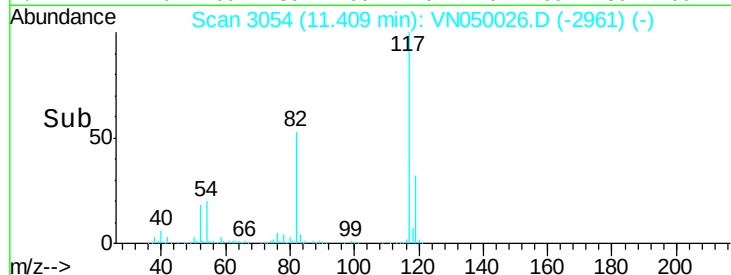
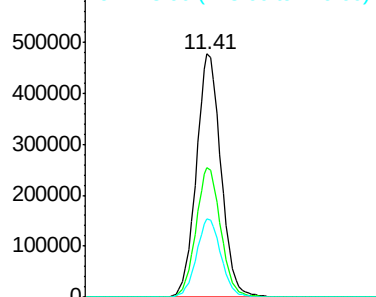


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

Tot Ion:117 Resp: 834568
Ion Ratio Lower Upper
117 100
82 53.4 43.7 65.5
119 32.0 26.1 39.1

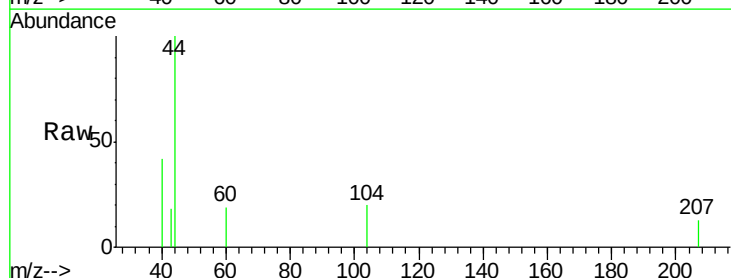


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

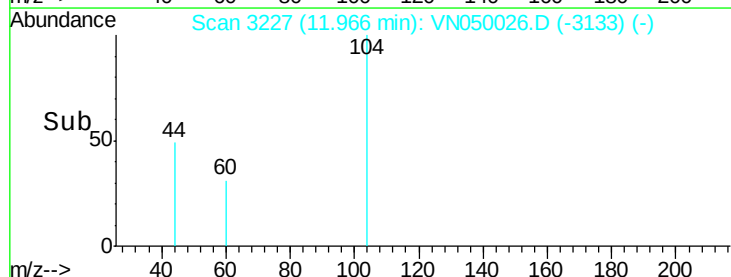
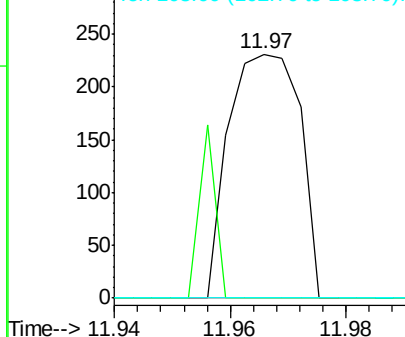


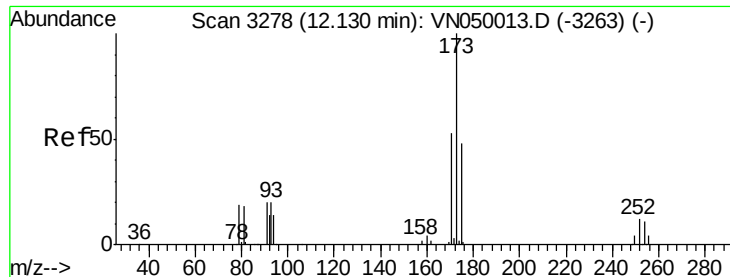
#70
Styrene
Concen: 0.93 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050026.D
Acq: 24 Jul 2018 17:33

Tgt Ion:104 Resp: 196
Ion Ratio Lower Upper
104 100
78 16.3 39.3 58.9#
103 0.0 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.63 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050026.D

Acq: 24 Jul 2018 17:33

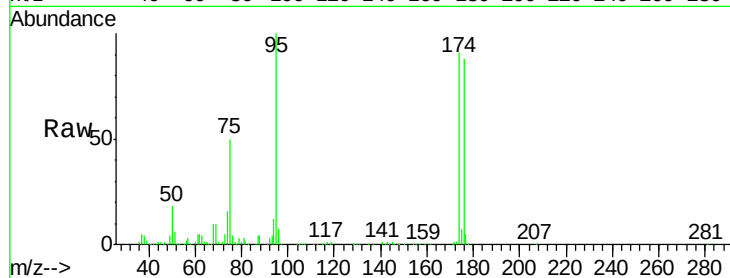
Tot Ion:173 Resp: 3690

Ion Ratio Lower Upper

173 100

175 579.7 24.1 72.2#

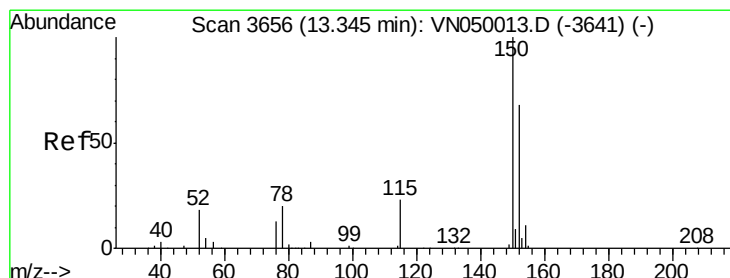
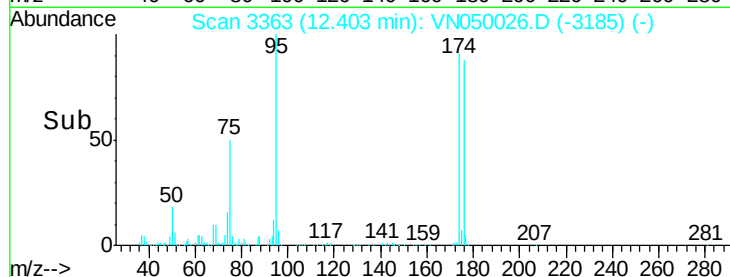
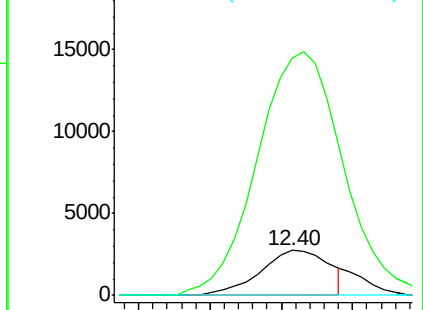
254 0.0 0.2 0.2#



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: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN050026.D

Acq: 24 Jul 2018 17:33

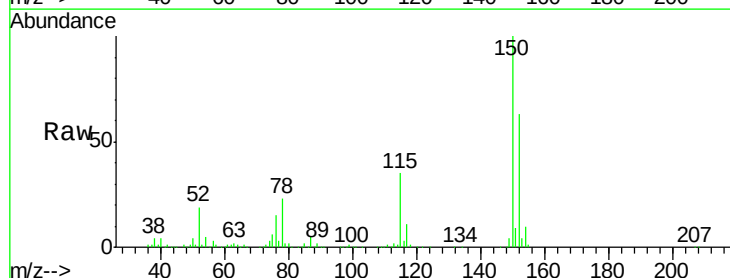
Tgt Ion:152 Resp: 306059

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.3

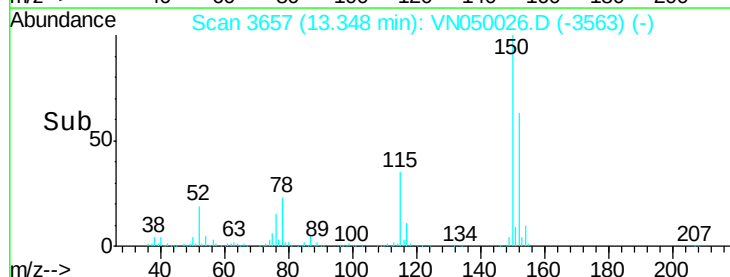
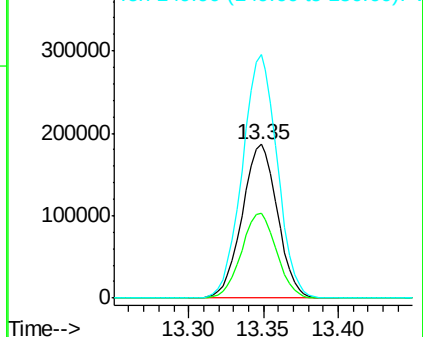
150 156.6 0.0 348.6

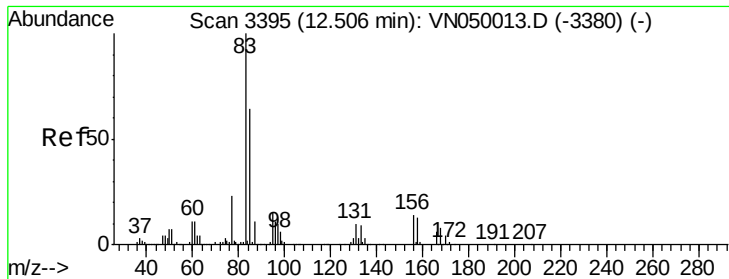


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

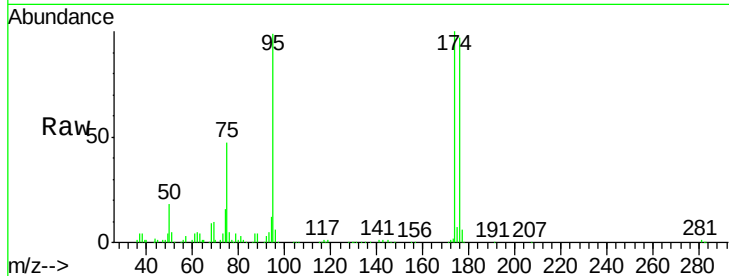
RT: 12.42 min Scan# 3368

Delta R.T. -0.09 min

Lab File: VN050026.D

Acq: 24 Jul 2018 17:33

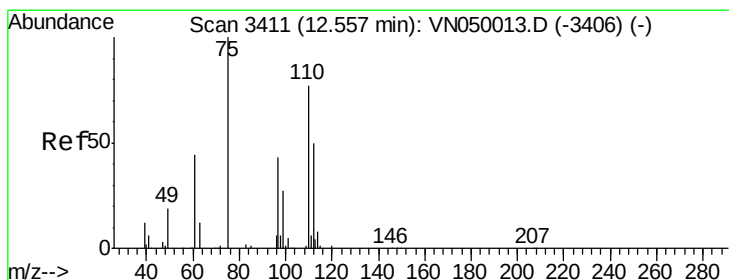
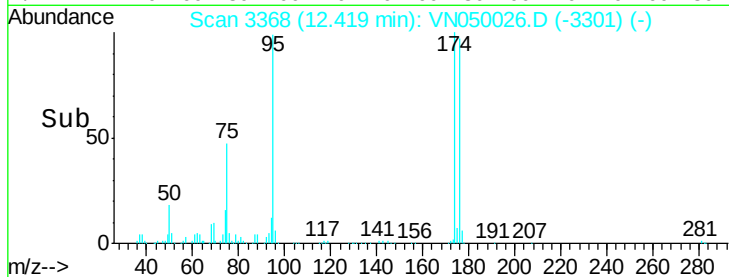
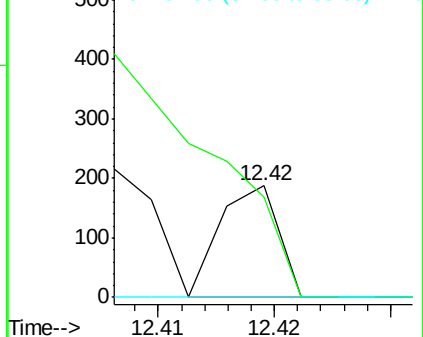
Tot Ion	83	Resp	66
Ion Ratio	100		
Lower		5.1	15.3#
Upper		32.3	96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.46 ug/l

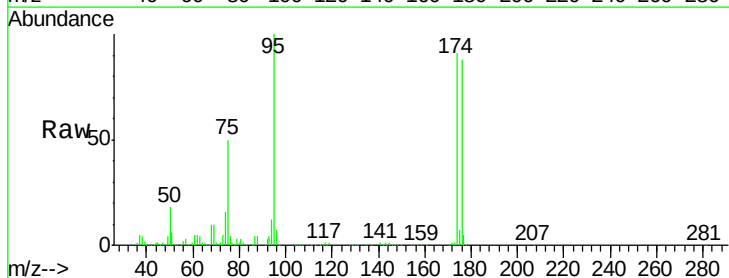
RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050026.D

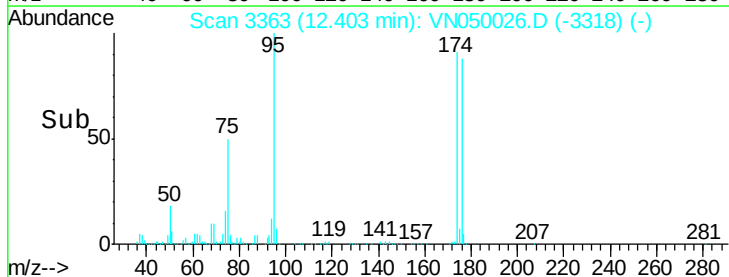
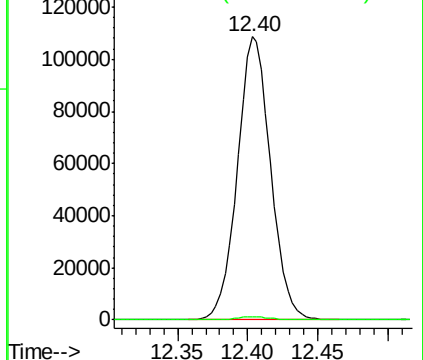
Acq: 24 Jul 2018 17:33

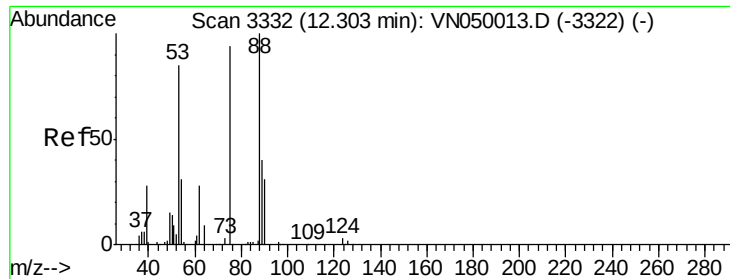
Tgt Ion	75	Resp	178929
Ion Ratio	100		
Lower		0.0	0.0#
Upper		1.1	



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 99.78 ug/l

RT: 12.40 min Scan# 3363

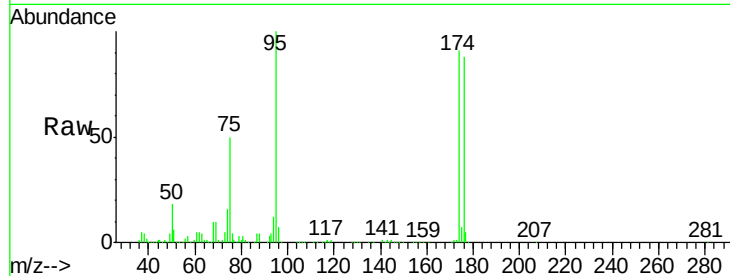
Delta R.T. 0.10 min

Lab File: VN050026.D

Acq: 24 Jul 2018 17:33

Tot Ion: 75 Resp: 178929

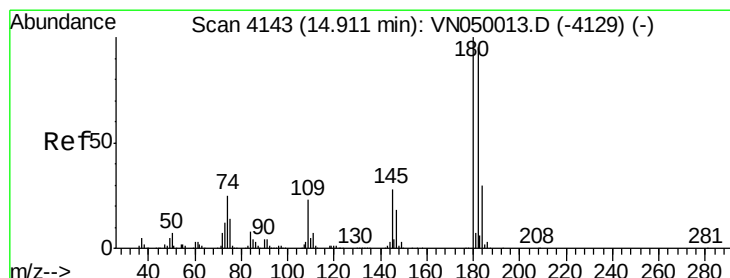
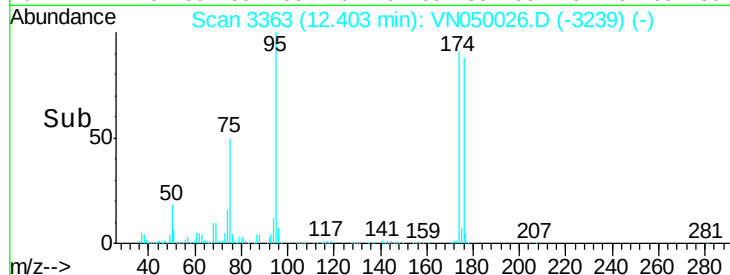
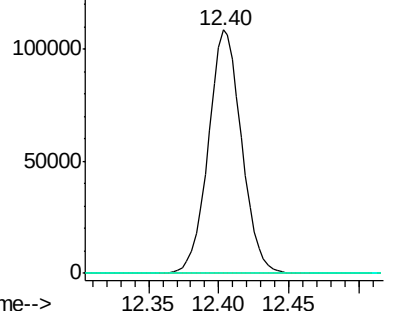
Ion	Ratio	Lower	Upper
75	100		
53	0.2	73.5	110.3#
89	0.0	36.0	54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050013.D (-3322) (-)

Ion 53.00 (52.70 to 53.70): VN050013.D (-3322) (-)

Ion 88.90 (88.60 to 89.60): VN050013.D (-3322) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.11 ug/l

RT: 14.91 min Scan# 4144

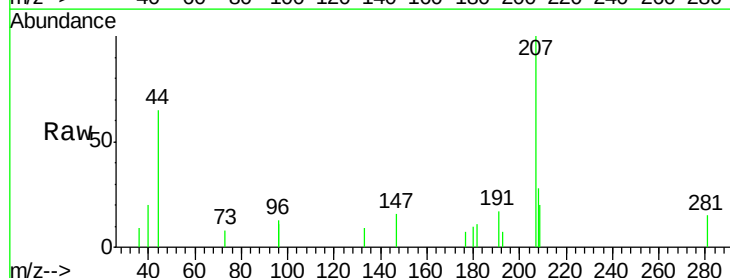
Delta R.T. 0.00 min

Lab File: VN050026.D

Acq: 24 Jul 2018 17:33

Tgt Ion: 180 Resp: 155

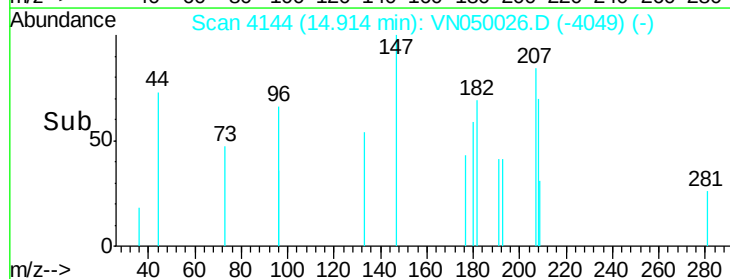
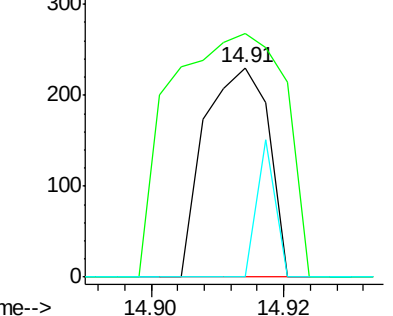
Ion	Ratio	Lower	Upper
180	100		
182	207.1	46.7	140.1#
145	18.7	13.8	41.4

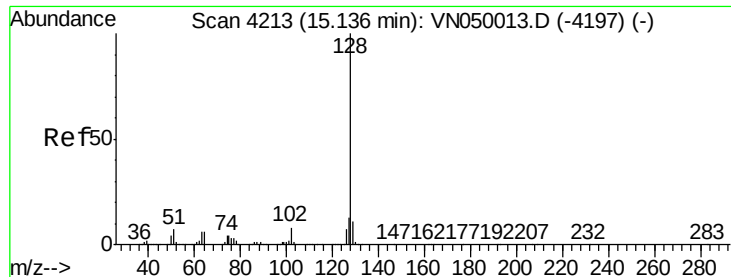


Abundance Ion 179.80 (179.50 to 180.50): VN050013.D (-4129) (-)

Ion 181.80 (181.50 to 182.50): VN050013.D (-4129) (-)

Ion 144.80 (144.50 to 145.50): VN050013.D (-4129) (-)





#95

Naphthalene

Concen: 4.47 ug/l

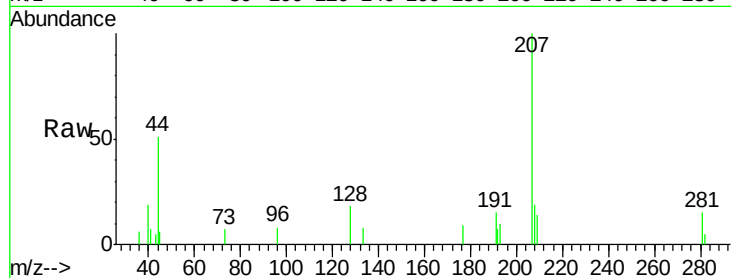
RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050026.D

Acq: 24 Jul 2018 17:33

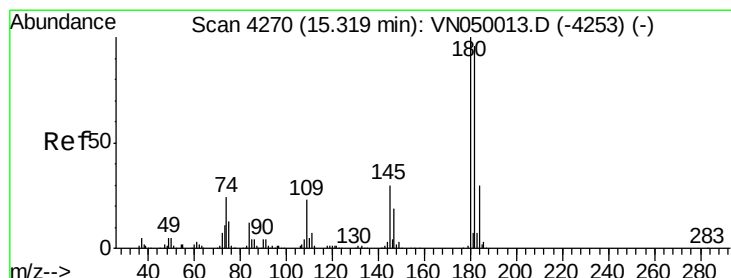
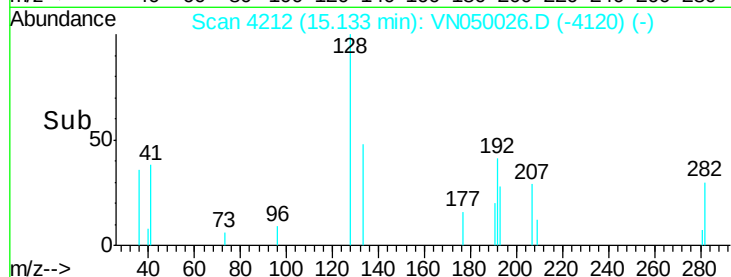
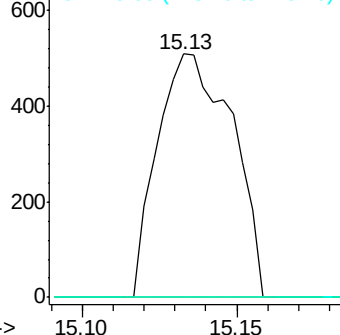
Tot Ion:	128	Resp:	857
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#



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



#96

1,2,3-Trichlorobenzene

Concen: 2.26 ug/l

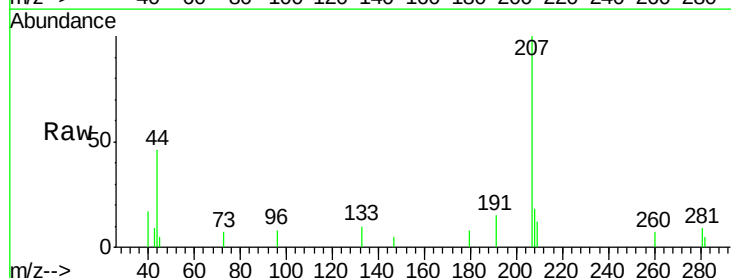
RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050026.D

Acq: 24 Jul 2018 17:33

Tgt Ion:	180	Resp:	347
Ion	Ratio	Lower	Upper
180	100		
182	45.5	48.1	144.4#
145	0.0	15.3	45.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

