

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
 Data File : VN051714.D
 Acq On : 6 Oct 2018 2:56
 Operator : MD\SY
 Sample : J5165-03 40X
 Misc : 5.71u/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 44 Sample Multiplier: 28

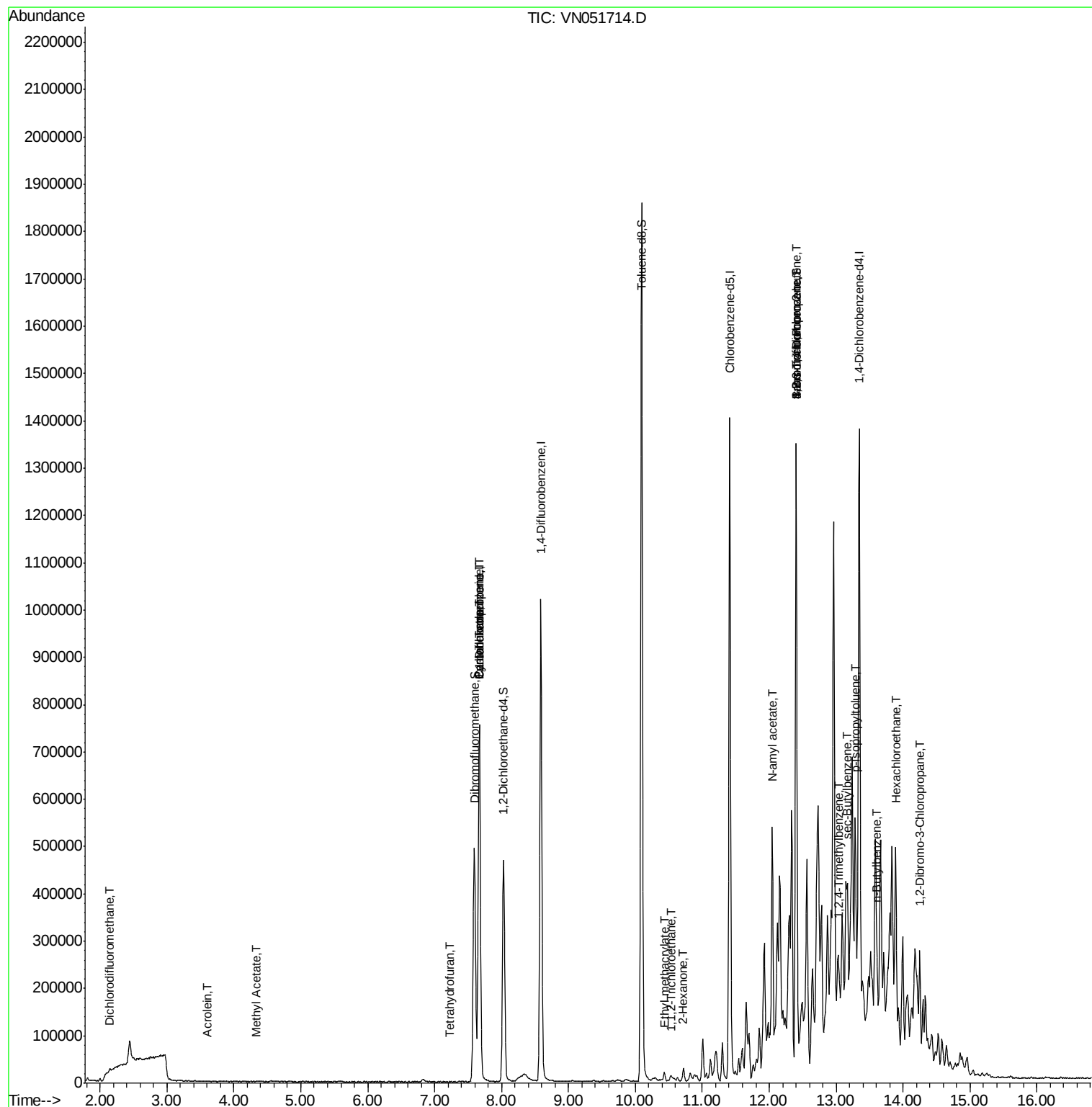
Quant Time: Oct 06 03:36:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

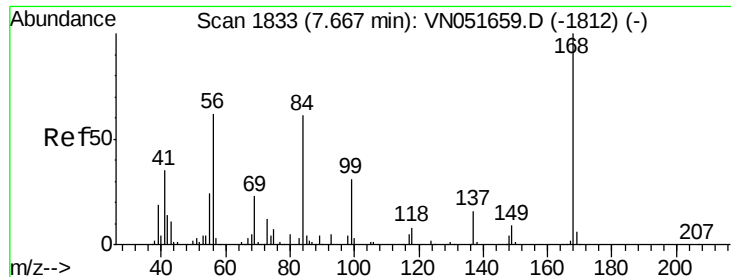
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	660673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	948793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	843733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	354287	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	394859	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	7.59	113	360614	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	10.09	98	1343703	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.40	95	390317	40.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.13	85	320	1.187	ug/l #	42
7) Trichlorofluoromethane	2.98	101	98	Below Cal	#	18
13) Acrolein	3.61	56	113	0.305	ug/l #	46
16) Acetone	3.80	43	258	Below Cal	#	44
18) Methyl Acetate	4.34	43	977	0.203	ug/l #	74
29) Tetrahydrofuran	7.23	42	564	0.365	ug/l #	28
31) Cyclohexane	7.66	56	13561	1.145	ug/l #	43
36) 1,1-Dichloropropene	7.67	75	45184	4.556	ug/l #	49
38) Carbon Tetrachloride	7.67	117	59606	5.009	ug/l #	15
41) Methacrylonitrile	7.18	41	127	Below Cal	#	22
55) 1,1,2-Trichloroethane	10.54	97	4477	0.643	ug/l #	18
56) Ethyl methacrylate	10.43	69	1874	0.213	ug/l #	1
59) 2-Hexanone	10.72	43	11089	2.988	ug/l #	24
71) Bromoform	12.41	173	3250	0.522	ug/l #	1
74) N-amyl acetate	12.05	43	98146	13.315	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.40	83	4182	Below Cal		89
76) 1,2,3-Trichloropropane	12.40	75	213239	48.301	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	213239	110.638	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	6639	0.260	ug/l	93
85) sec-Butylbenzene	13.17	105	105853	3.509	ug/l #	76
86) p-Isopropyltoluene	13.29	119	89522	3.347	ug/l	99
89) n-Butylbenzene	13.62	91	57182	2.704	ug/l #	74
90) Hexachloroethane	13.89	117	16950	3.177	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1191	1.123	ug/l #	1

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100618\
Data File : VN051714.D
Acq On : 6 Oct 2018 2:56
Operator : MD\SY
Sample : J5165-03 40X
Misc : 5.71µ/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 44 Sample Multiplier: 28

Quant Time: Oct 06 03:36:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051714.D

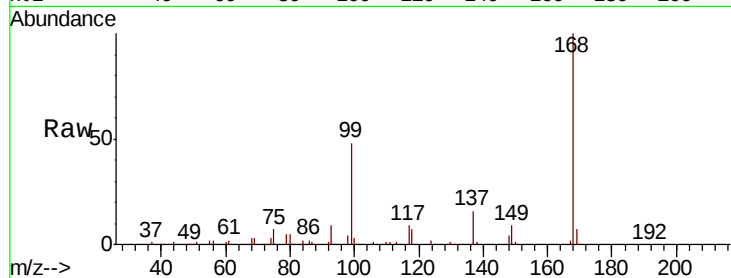
Acq: 6 Oct 2018 2:56

Tot Ion:168 Resp: 660673

Ion Ratio Lower Upper

168 100

99 48.3 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

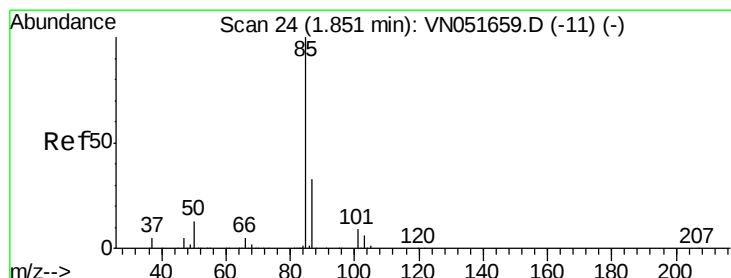
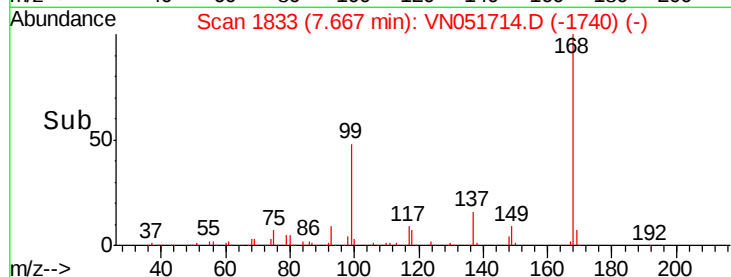
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 1.187 ug/l

RT: 2.13 min Scan# 110

Delta R.T. 0.28 min

Lab File: VN051714.D

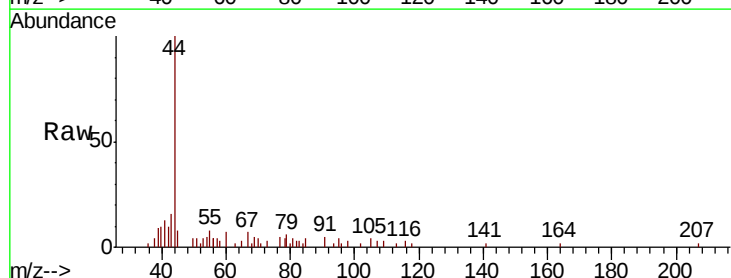
Acq: 6 Oct 2018 2:56

Tgt Ion: 85 Resp: 320

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

2.13

300

250

200

150

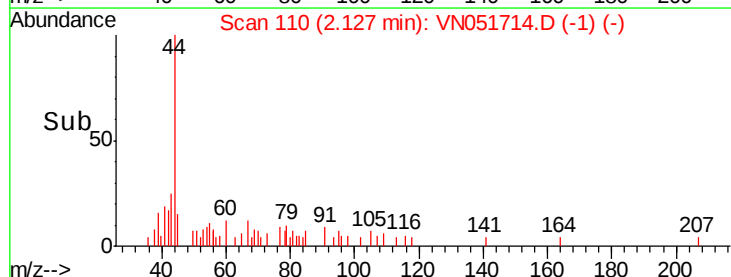
100

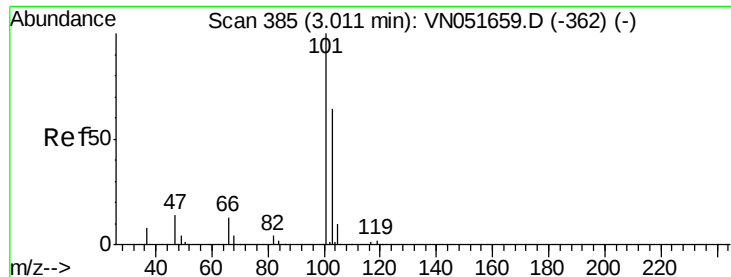
50

0

Time-->

2.10 2.11 2.12 2.13 2.14

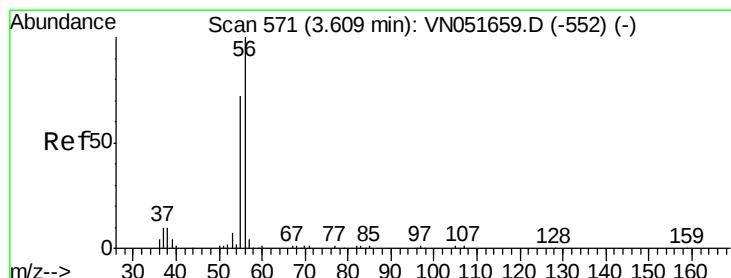
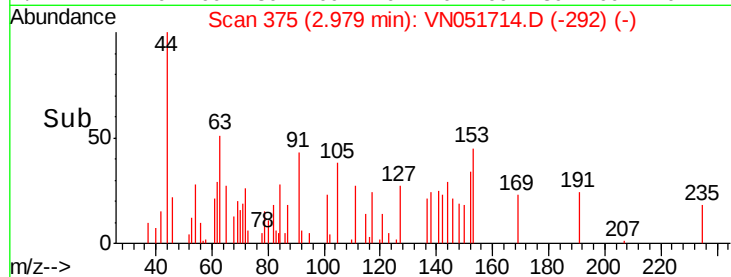
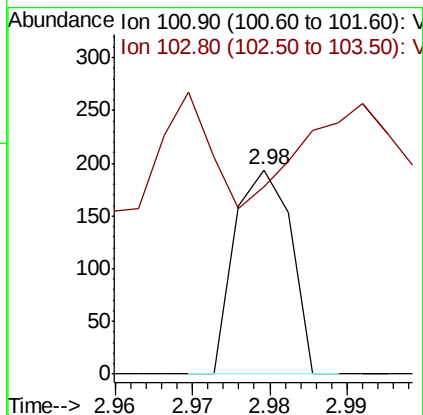
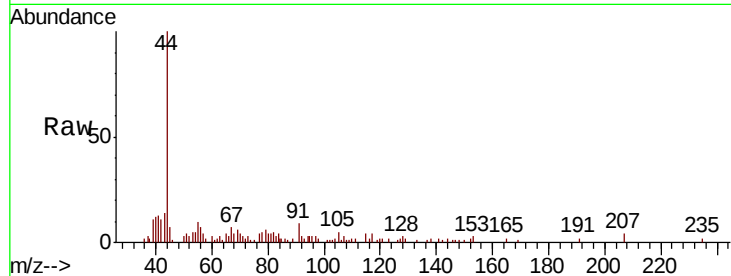




#7

Trichlorofluoromethane
Concen: Below Cal
RT: 2.98 min Scan# 375
Delta R.T. -0.03 min
Lab File: VN051714.D
Acq: 6 Oct 2018 2:56

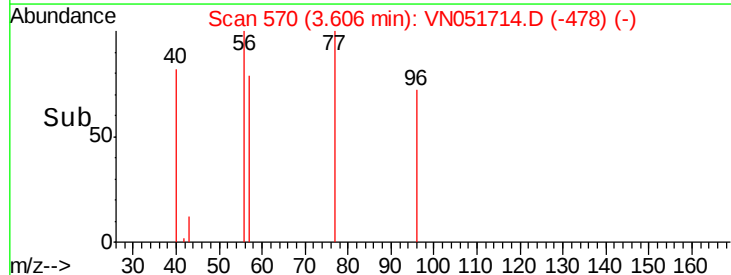
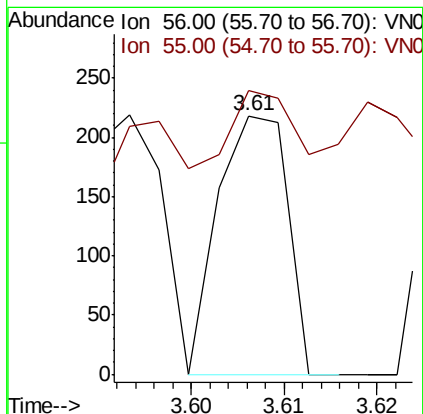
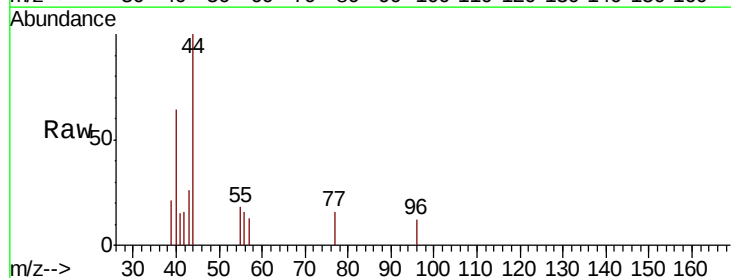
Tot Ion	101	Resp	98
Ion Ratio	100	Lower	Upper
101	100		
103	0.0	51.1	76.7#

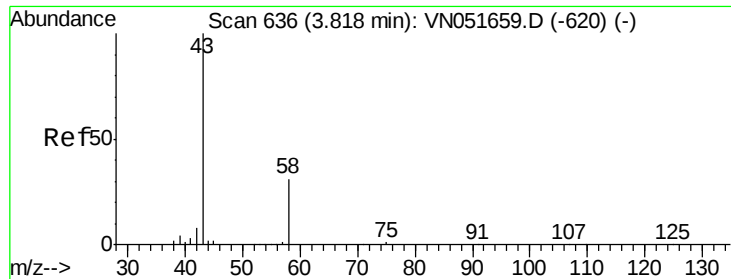


#13

Acrolein
Concen: 0.305 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN051714.D
Acq: 6 Oct 2018 2:56

Tgt Ion	56	Resp	113
Ion Ratio	100	Lower	Upper
56	100		
55	26.5	57.5	86.3#





#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 631

Delta R.T. -0.02 min

Lab File: VN051714.D

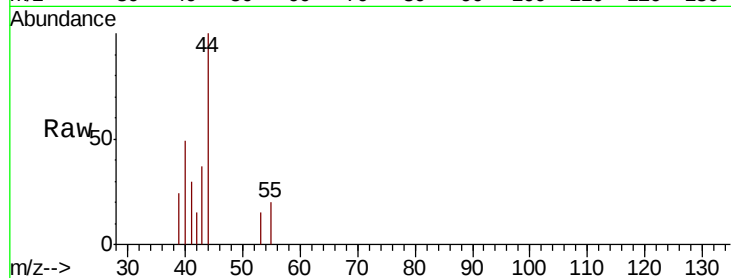
Acq: 6 Oct 2018 2:56

Tot Ion: 43 Resp: 258

Ion Ratio Lower Upper

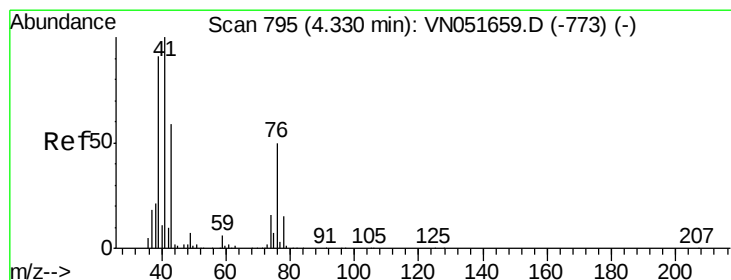
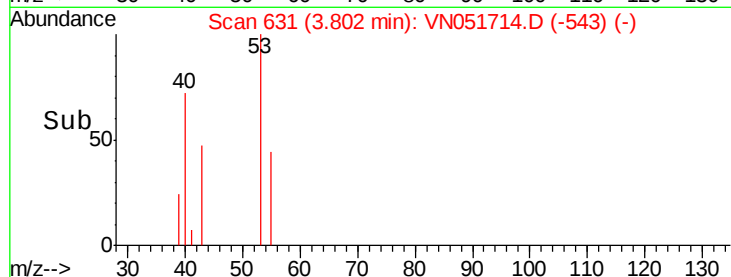
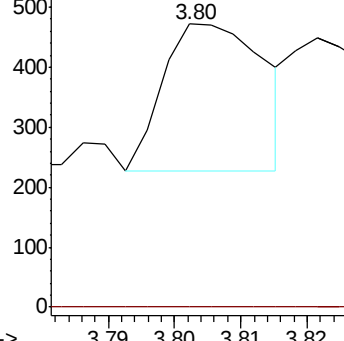
43 100

58 0.0 24.3 36.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.203 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN051714.D

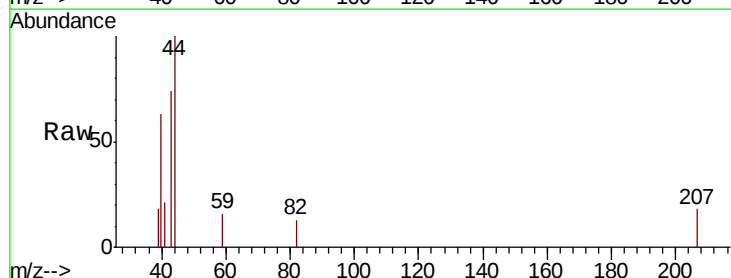
Acq: 6 Oct 2018 2:56

Tgt Ion: 43 Resp: 977

Ion Ratio Lower Upper

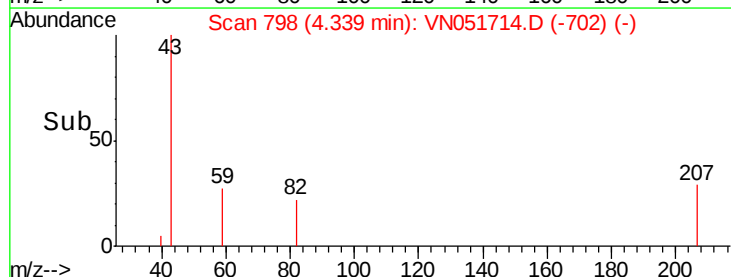
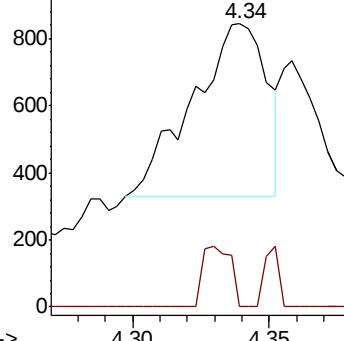
43 100

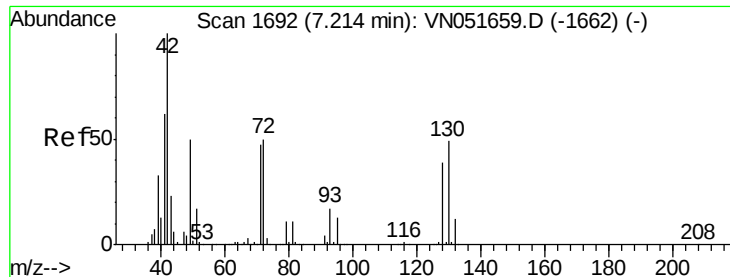
74 13.2 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#29

Tetrahydrofuran

Concen: 0.365 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN051714.D

Acq: 6 Oct 2018 2:56

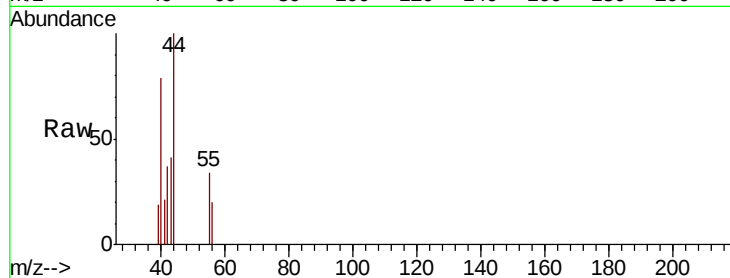
Tot Ion: 42 Resp: 564

Ion Ratio Lower Upper

42 100

72 0.0 40.1 60.1#

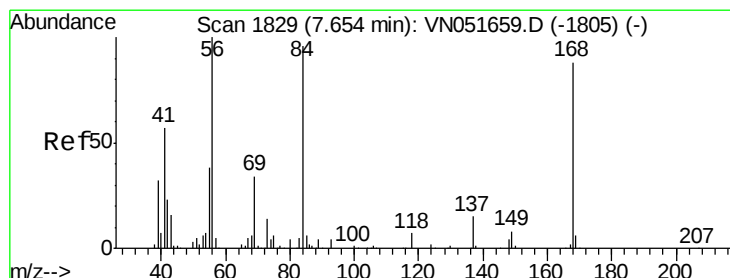
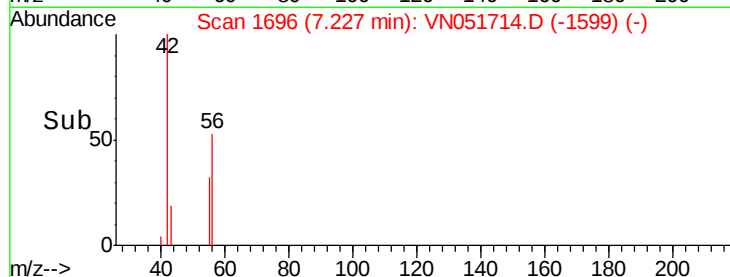
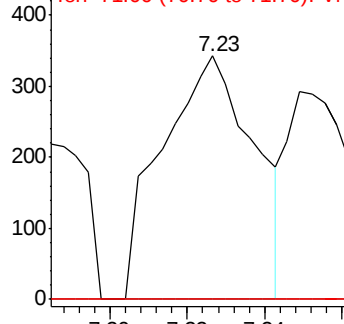
71 0.0 38.0 57.0#



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: 1.145 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051714.D

Acq: 6 Oct 2018 2:56

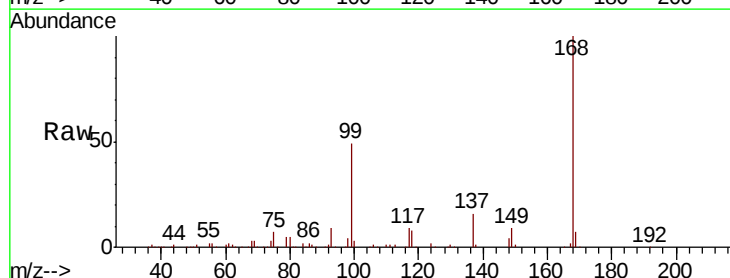
Tgt Ion: 56 Resp: 13561

Ion Ratio Lower Upper

56 100

69 133.6 27.5 41.3#

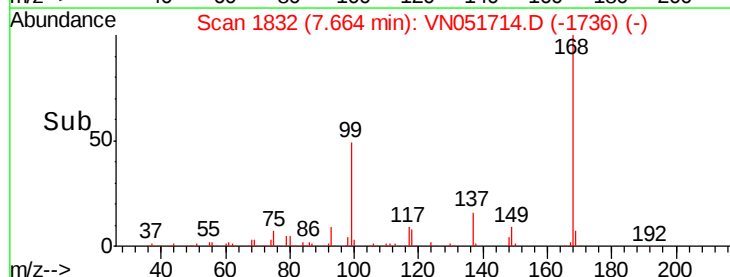
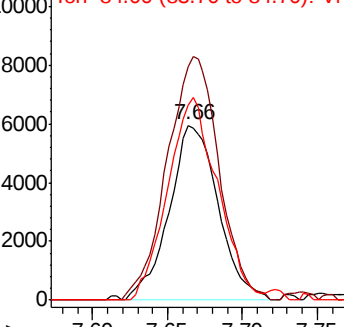
84 111.8 76.7 115.1

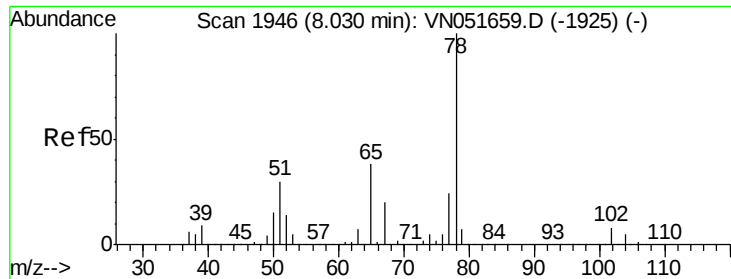


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

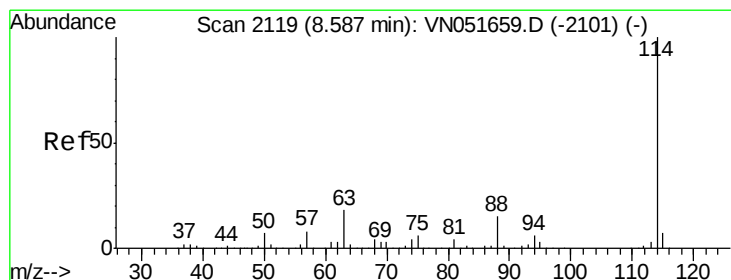
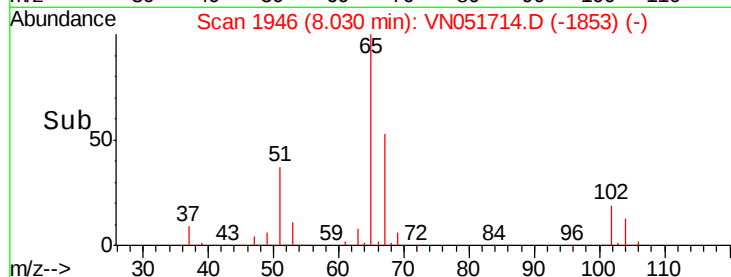
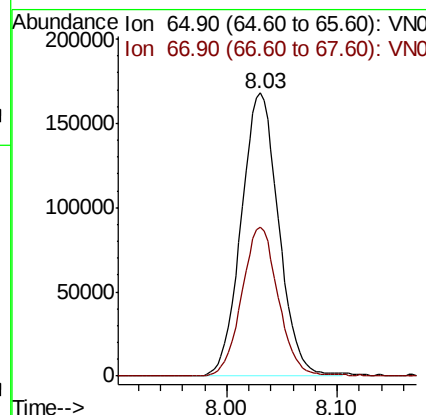
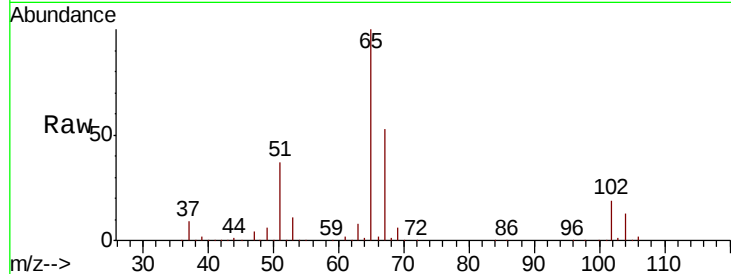
Ion 84.00 (83.70 to 84.70): VN0





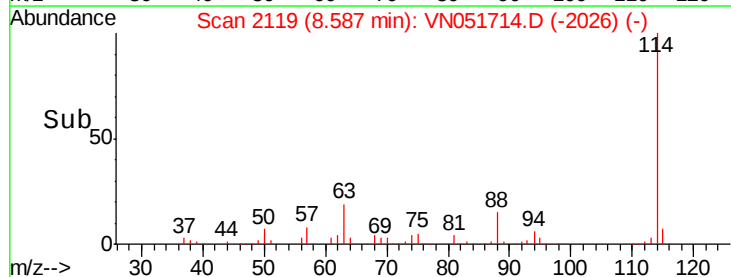
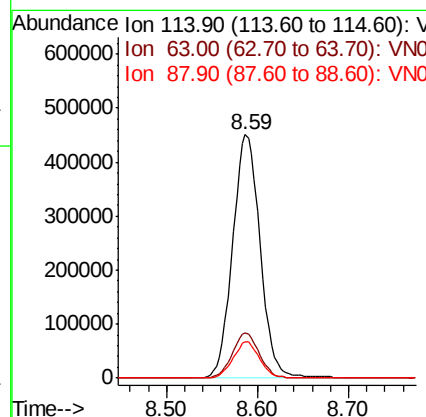
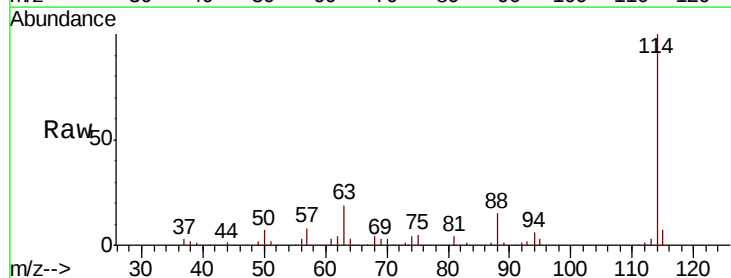
#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051714.D
 Acq: 6 Oct 2018 2:56

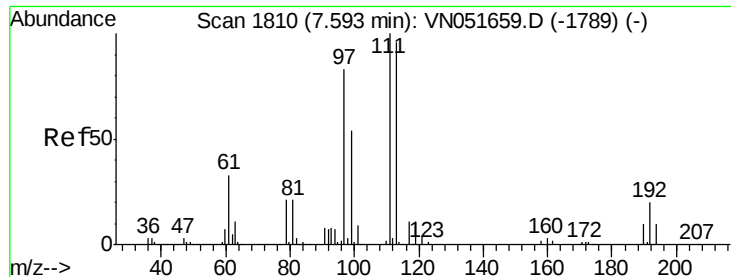
Tot Ion: 65 Resp: 394859
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051714.D
 Acq: 6 Oct 2018 2:56

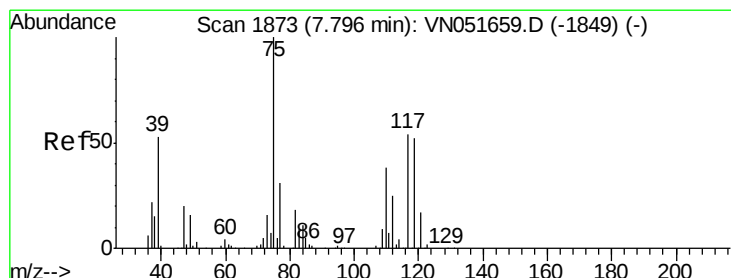
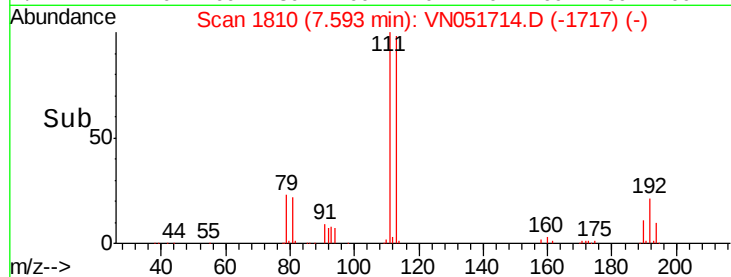
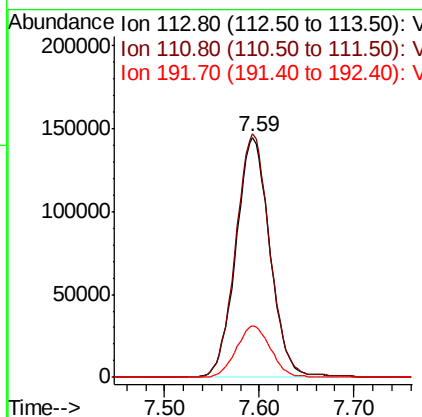
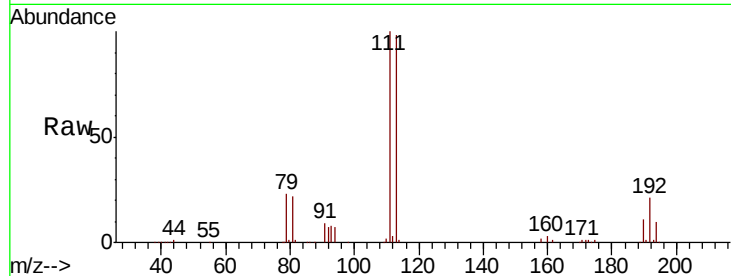
Tgt Ion: 114 Resp: 948793
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.2
 88 14.9 0.0 30.2





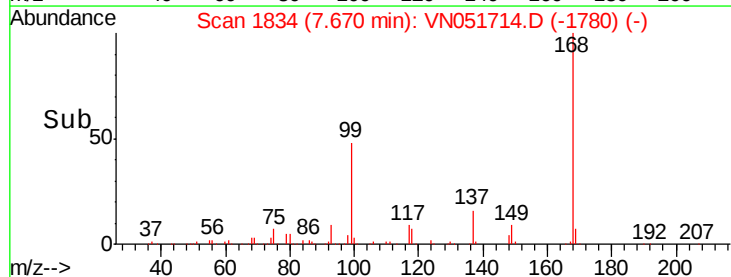
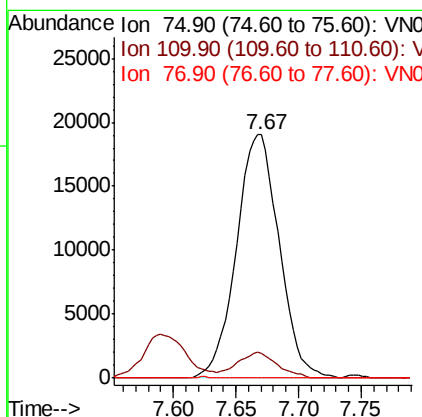
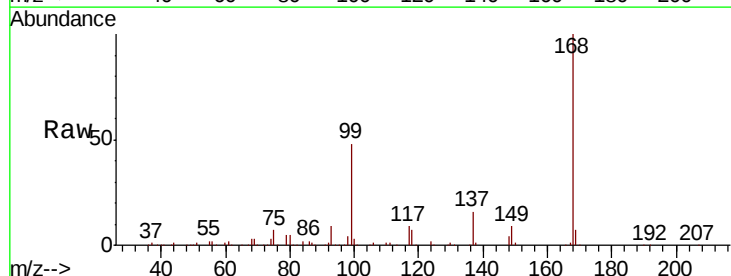
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051714.D
 Acq: 6 Oct 2018 2:56

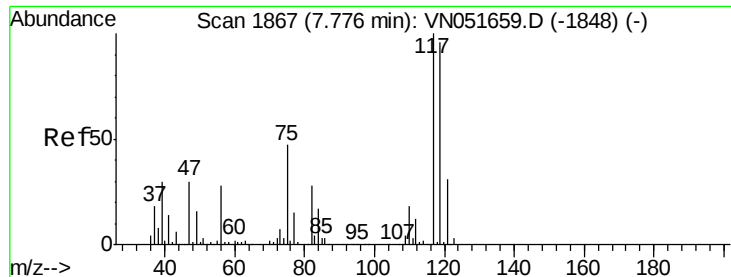
Tot Ion:	113	Resp:	360614
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	21.7	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 4.556 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.13 min
 Lab File: VN051714.D
 Acq: 6 Oct 2018 2:56

Tgt Ion:	75	Resp:	45184
Ion	Ratio	Lower	Upper
75	100		
110	10.0	19.3	57.8#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.009 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051714.D

Acq: 6 Oct 2018 2:56

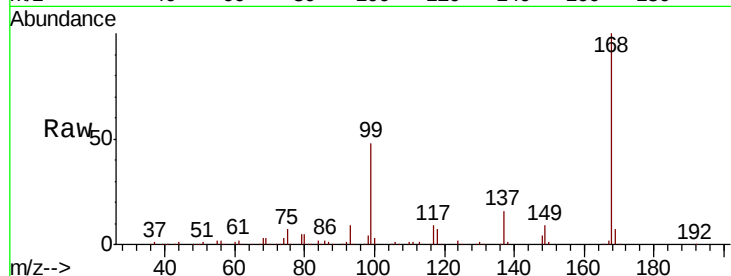
Tot Ion:117 Resp: 59606

Ion Ratio Lower Upper

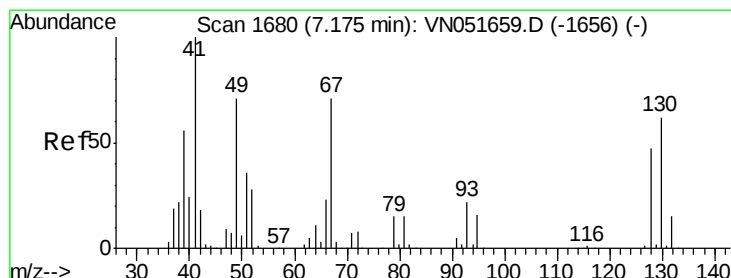
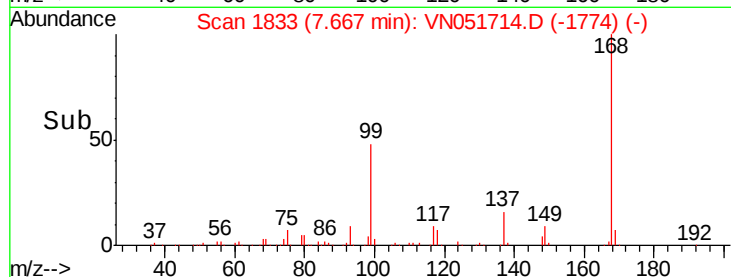
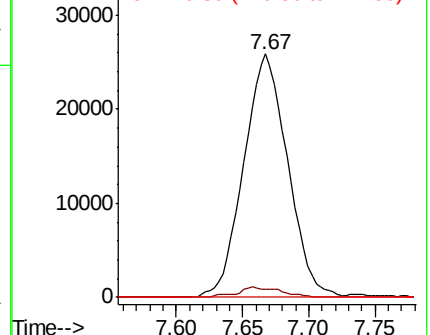
117 100

119 3.5 77.0 115.6#

121 0.0 25.0 37.6#



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN051714.D

Acq: 6 Oct 2018 2:56

Tgt Ion: 41 Resp: 127

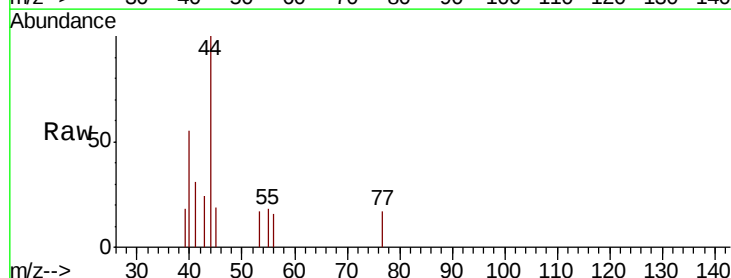
Ion Ratio Lower Upper

41 100

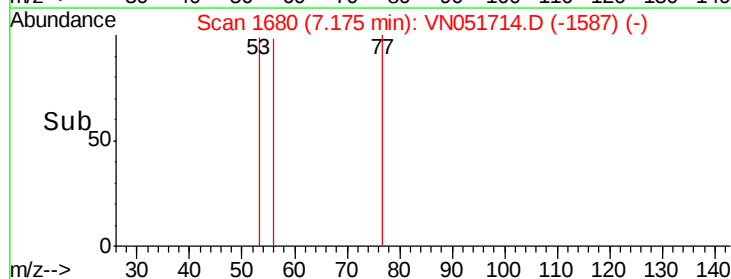
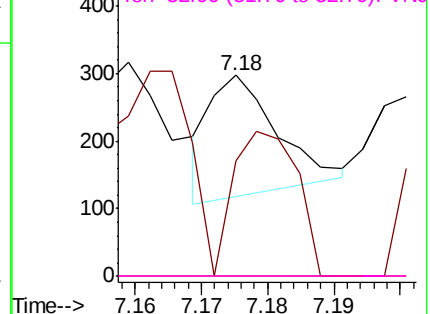
39 112.6 53.9 80.9#

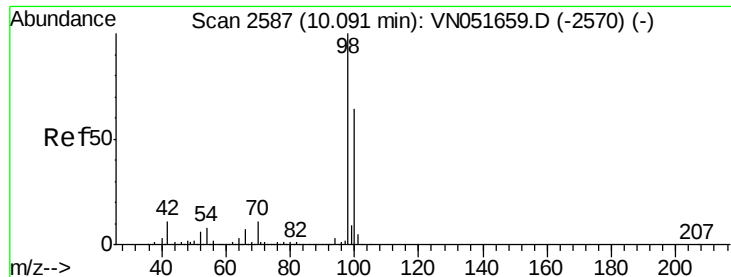
67 0.0 78.1 117.1#

52 0.0 32.3 48.5#



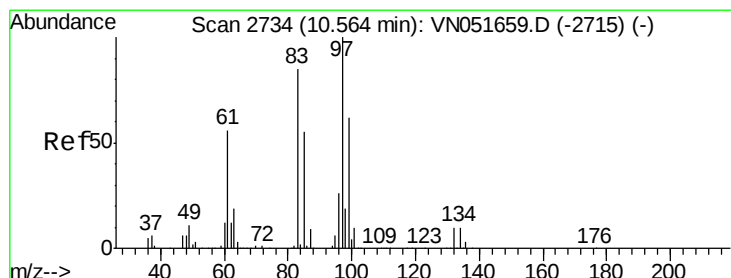
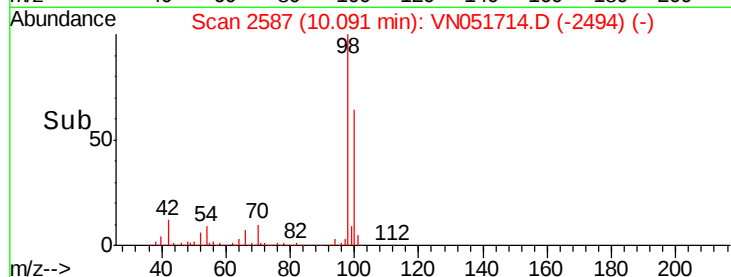
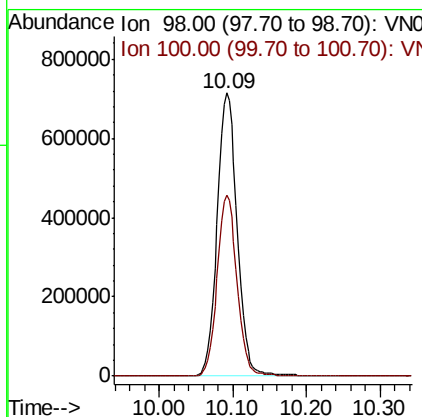
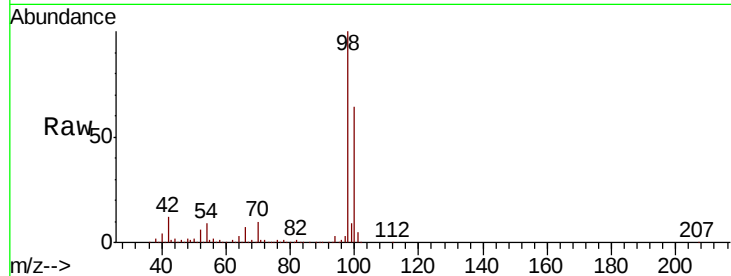
Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO





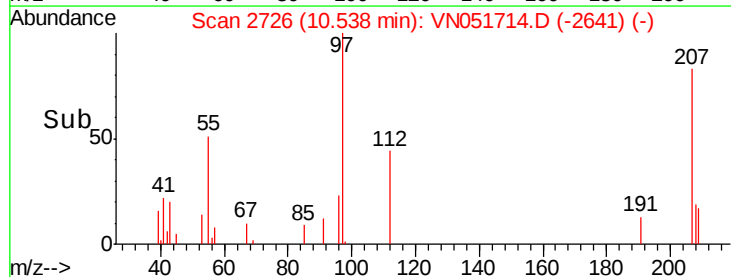
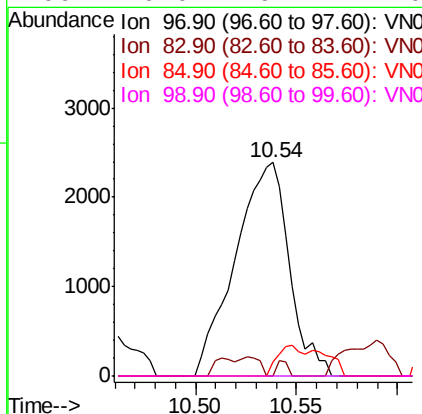
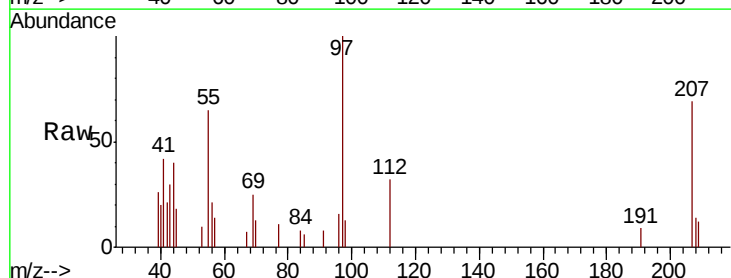
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051714.D
Acq: 6 Oct 2018 2:56

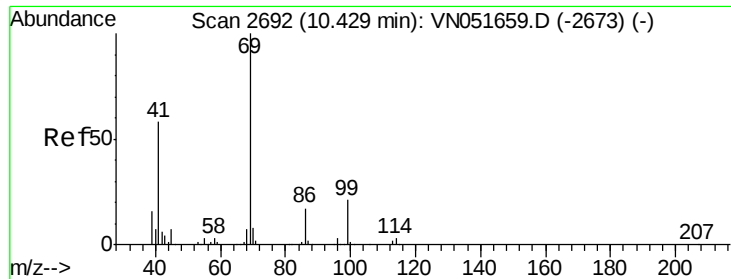
Tot Ion: 98 Resp: 1343703
Ion Ratio Lower Upper
98 100
100 63.3 51.5 77.3



#55
1,1,2-Trichloroethane
Concen: 0.643 ug/l
RT: 10.54 min Scan# 2726
Delta R.T. -0.03 min
Lab File: VN051714.D
Acq: 6 Oct 2018 2:56

Tgt Ion: 97 Resp: 4477
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 6.4 43.6 65.4#
99 0.0 49.4 74.0#





#56

Ethyl methacrylate

Concen: 0.213 ug/l

RT: 10.43 min Scan# 2692

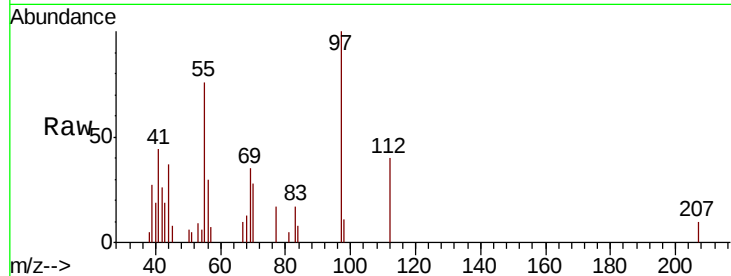
Delta R.T. 0.00 min

Lab File: VN051714.D

Acq: 6 Oct 2018 2:56

Tot Ion: 69 Resp: 1874

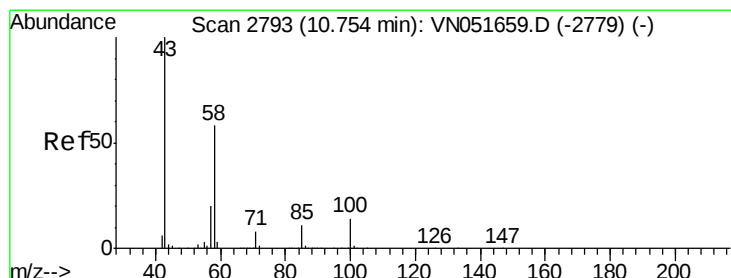
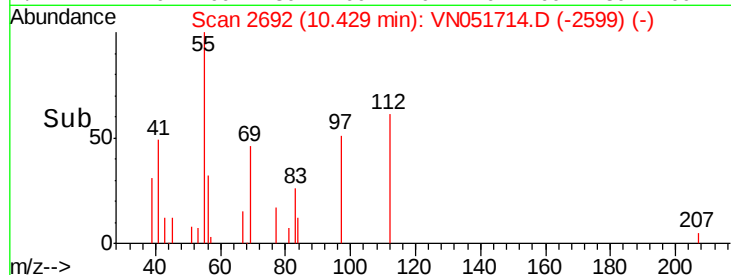
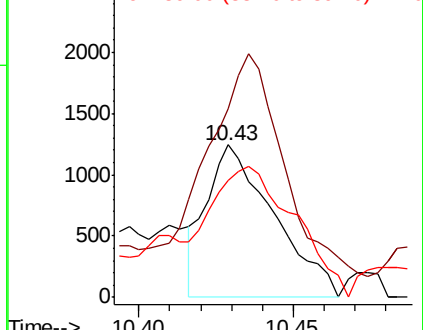
Ion	Ratio	Lower	Upper
69	100		
41	165.0	46.4	69.6#
39	107.7	32.4	48.6#



Abundance Ion 69.00 (68.70 to 69.70): VN051714.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN051714.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN051714.D (-2599) (-)



#59

2-Hexanone

Concen: 2.988 ug/l

RT: 10.72 min Scan# 2781

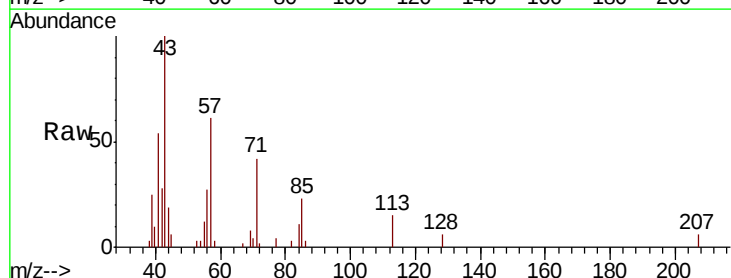
Delta R.T. -0.04 min

Lab File: VN051714.D

Acq: 6 Oct 2018 2:56

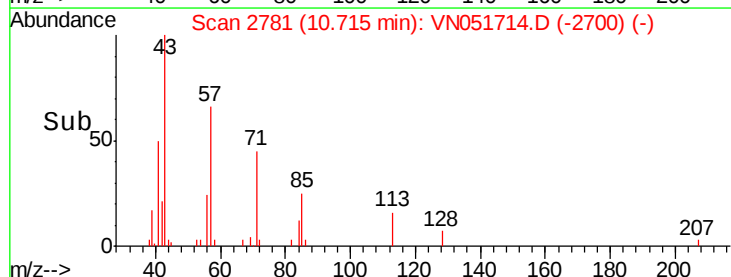
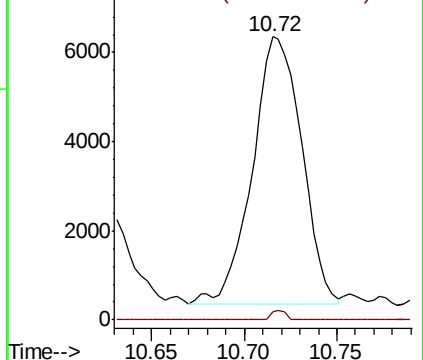
Tgt Ion: 43 Resp: 11089

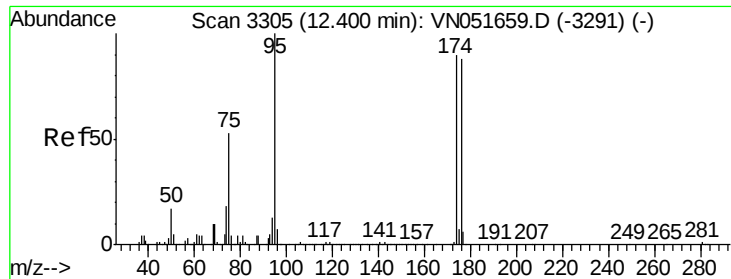
Ion	Ratio	Lower	Upper
43	100		
58	1.0	28.8	86.4#



Abundance Ion 43.00 (42.70 to 43.70): VN051714.D (-2700) (-)

Ion 58.00 (57.70 to 58.70): VN051714.D (-2700) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051714.D

Acq: 6 Oct 2018 2:56

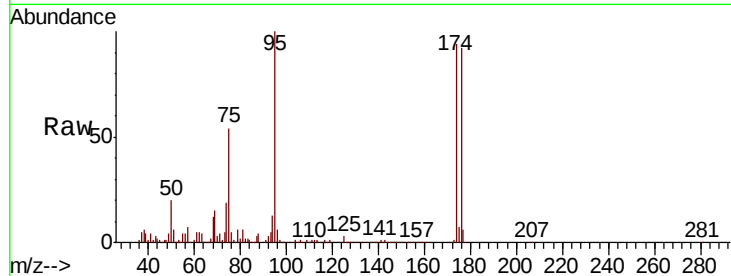
Tot Ion: 95 Resp: 390317

Ion Ratio Lower Upper

95 100

174 94.7 0.0 182.8

176 92.4 0.0 176.4



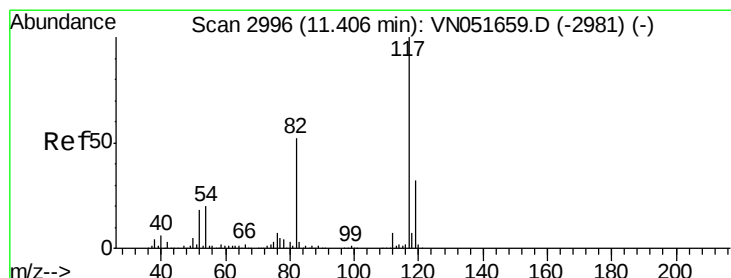
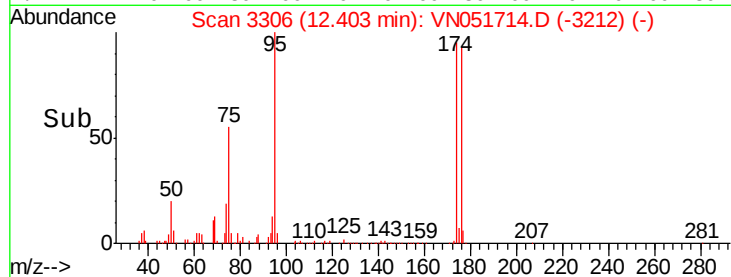
Abundance Ion 94.90 (94.60 to 95.60): VN051659.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051659.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051659.D (-3291) (-)

Time-->

12.35 12.40 12.45



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051714.D

Acq: 6 Oct 2018 2:56

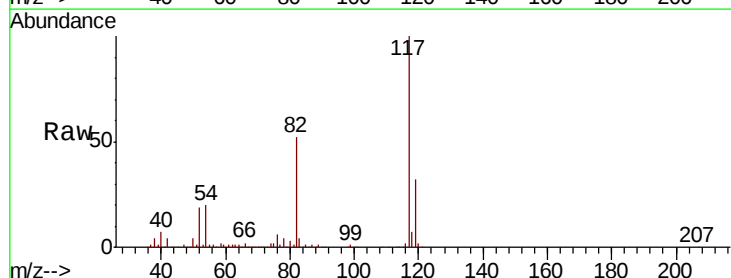
Tgt Ion: 117 Resp: 843733

Ion Ratio Lower Upper

117 100

82 51.5 41.3 61.9

119 32.3 25.9 38.9



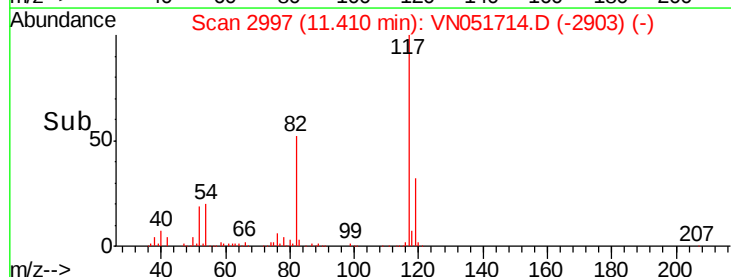
Abundance Ion 116.90 (116.60 to 117.60): VN051659.D (-2981) (-)

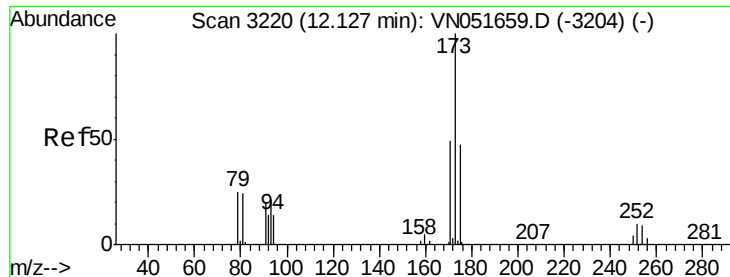
Ion 82.00 (81.70 to 82.70): VN051659.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051659.D (-2981) (-)

Time-->

11.30 11.40 11.50





#71

Bromoform

Concen: 0.522 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN051714.D

Acq: 6 Oct 2018 2:56

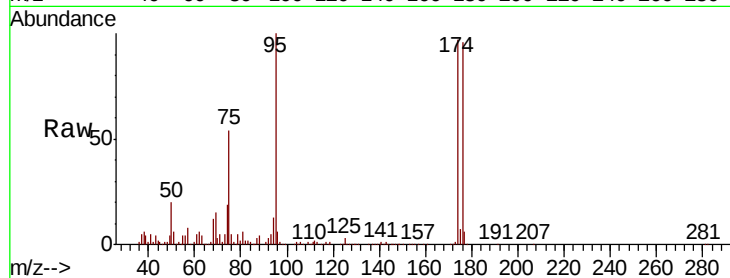
Tot Ion:173 Resp: 3250

Ion Ratio Lower Upper

173 100

175 735.2 24.0 72.0#

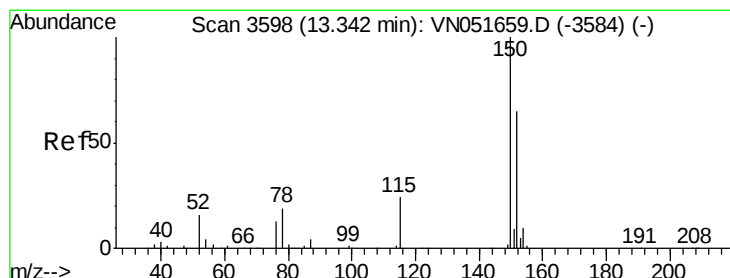
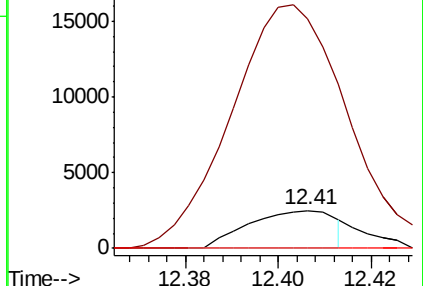
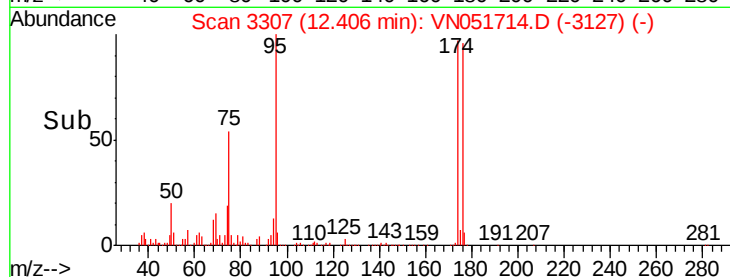
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051714.D

Acq: 6 Oct 2018 2:56

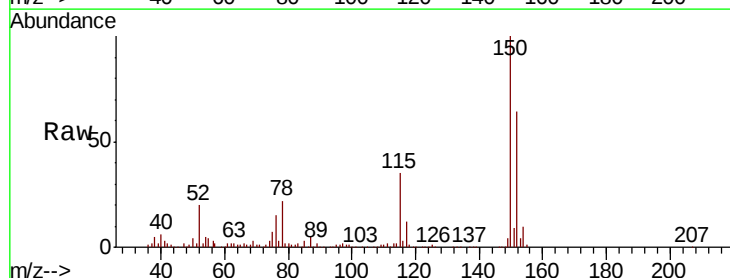
Tgt Ion:152 Resp: 354287

Ion Ratio Lower Upper

152 100

115 54.4 28.6 85.8

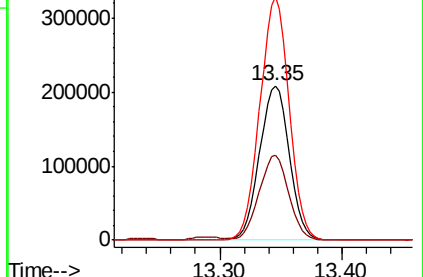
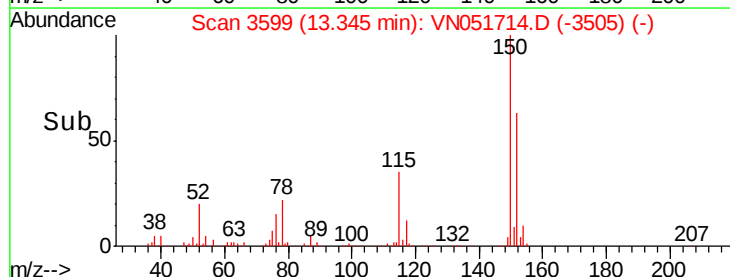
150 153.6 0.0 352.4

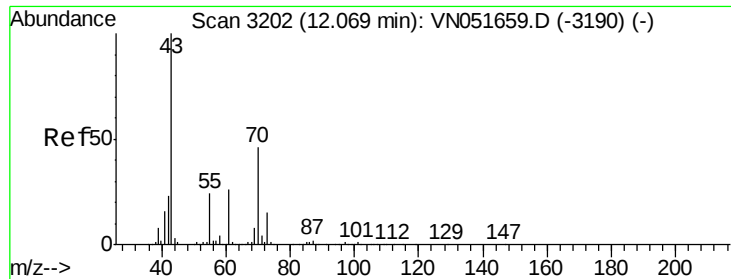


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

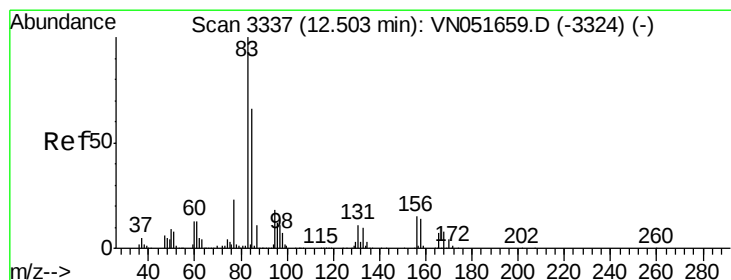
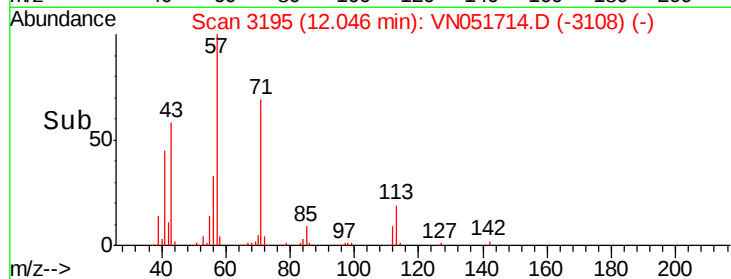
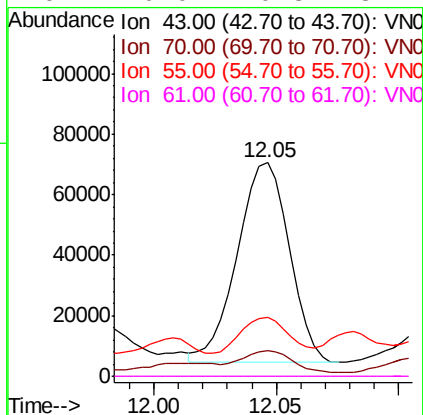
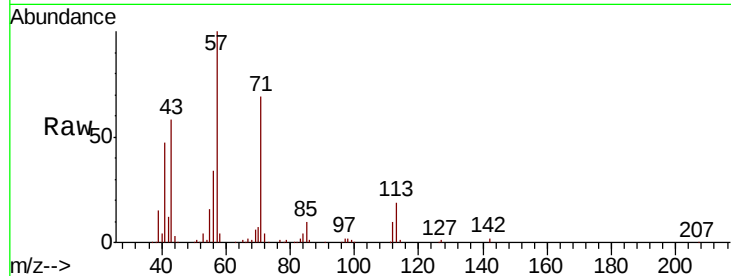
Ion 149.90 (149.60 to 150.60): V





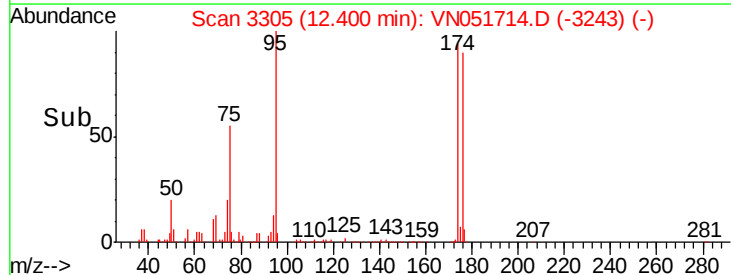
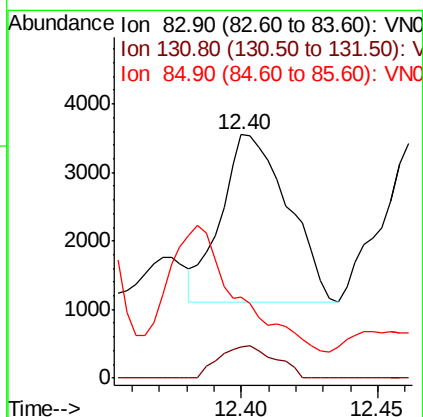
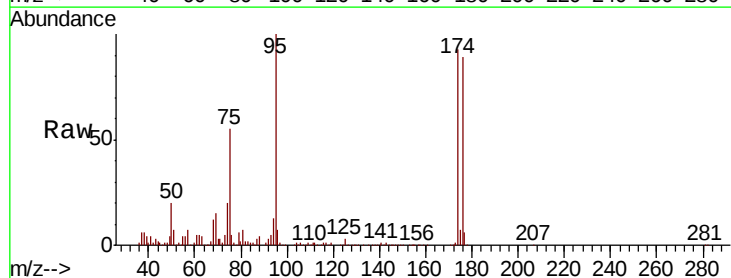
#74
N-amyl acetate
Concen: 13.315 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.02 min
Lab File: VN051714.D
Acq: 6 Oct 2018 2:56

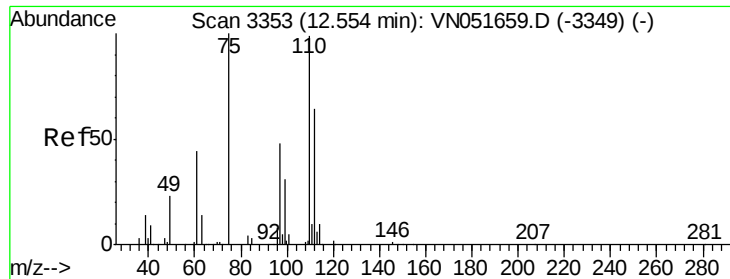
Tot Ion: 43 Resp: 98146
Ion Ratio Lower Upper
43 100
70 10.7 37.1 55.7#
55 16.3 19.1 28.7#
61 0.0 20.8 31.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.40 min Scan# 3305
Delta R.T. -0.10 min
Lab File: VN051714.D
Acq: 6 Oct 2018 2:56

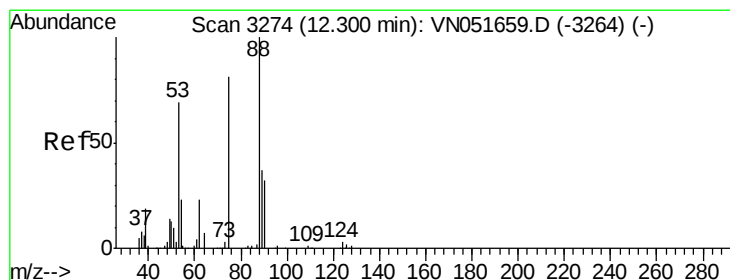
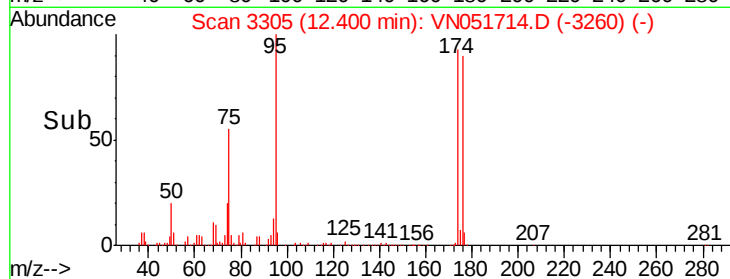
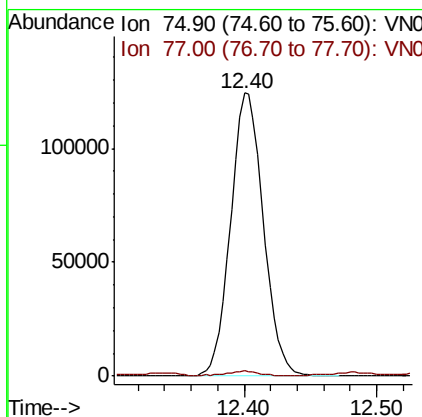
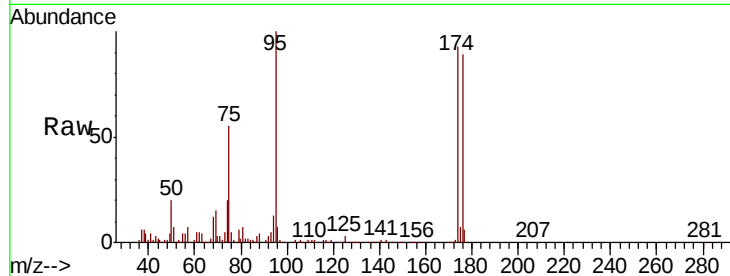
Tgt Ion: 83 Resp: 4182
Ion Ratio Lower Upper
83 100
131 16.2 5.7 17.1
85 74.7 33.0 98.9





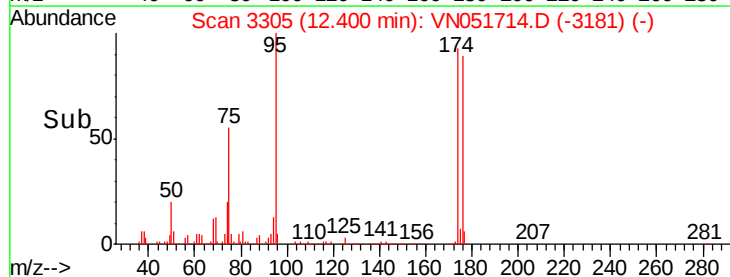
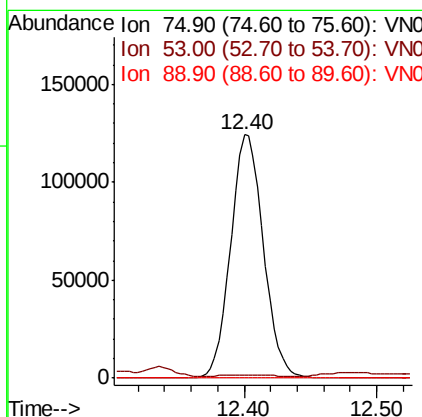
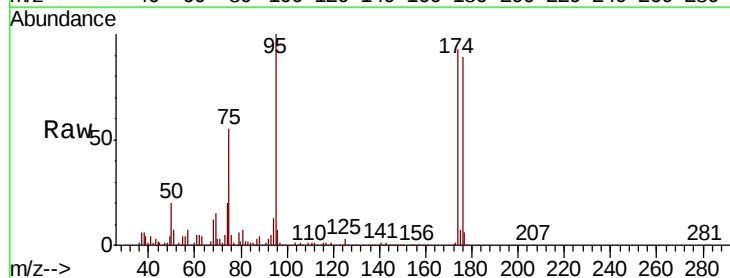
#76
 1,2,3-Trichloropropane
 Concen: 48.301 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN051714.D
 Acq: 6 Oct 2018 2:56

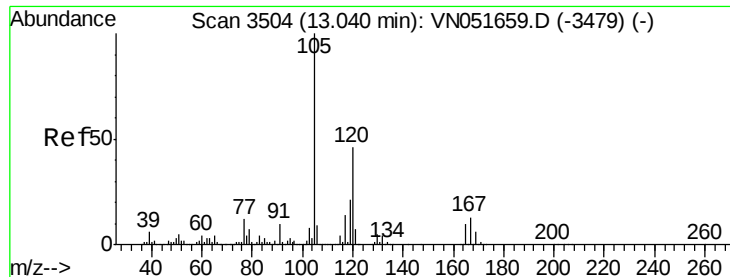
Tot Ion: 75 Resp: 213239
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.638 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN051714.D
 Acq: 6 Oct 2018 2:56

Tgt Ion: 75 Resp: 213239
 Ion Ratio Lower Upper
 75 100
 53 0.7 68.6 102.8#
 89 0.0 39.4 59.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.260 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN051714.D

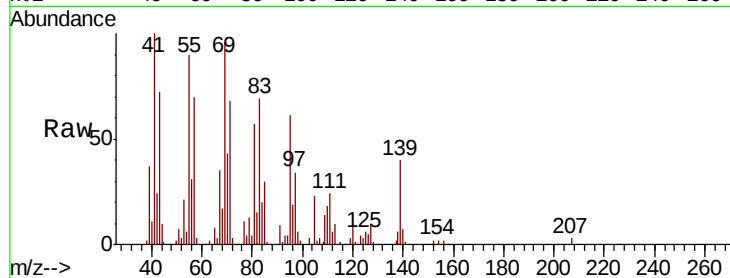
Acq: 6 Oct 2018 2:56

Tot Ion:105 Resp: 6639

Ion Ratio Lower Upper

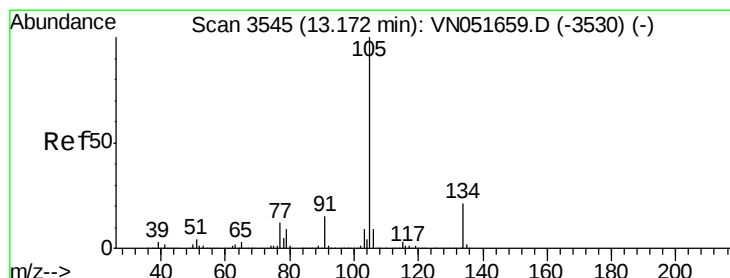
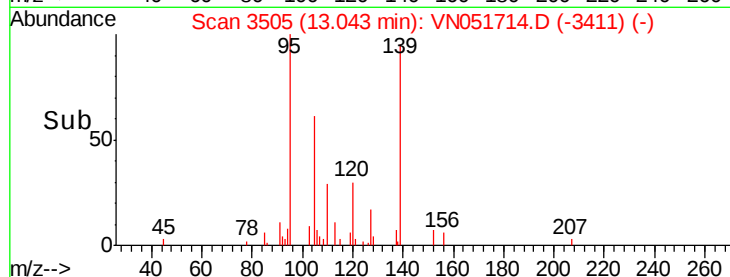
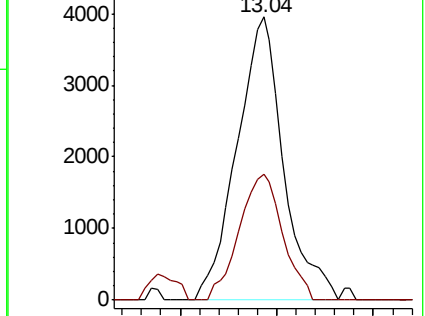
105 100

120 41.3 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 3.509 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051714.D

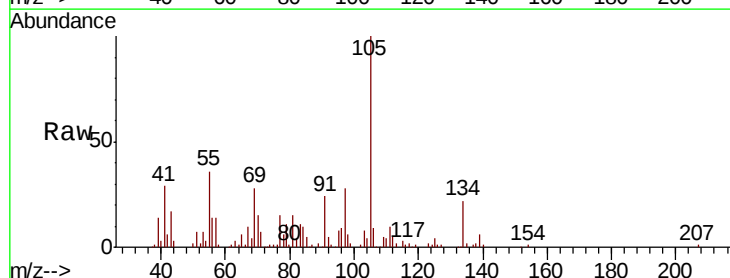
Acq: 6 Oct 2018 2:56

Tgt Ion:105 Resp: 105853

Ion Ratio Lower Upper

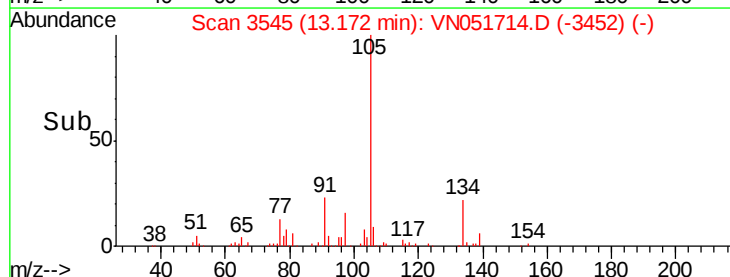
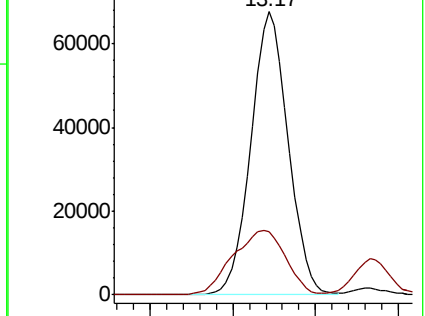
105 100

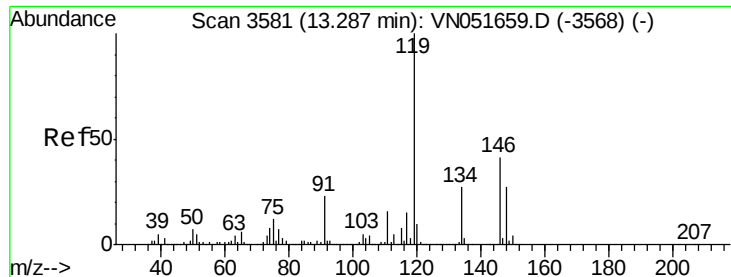
134 32.3 10.5 31.6#



Abundance Ion 105.00 (104.70 to 105.70): V

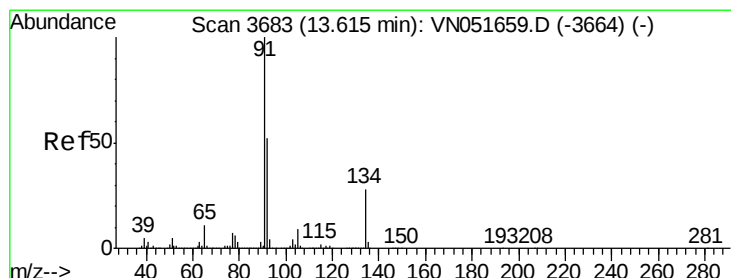
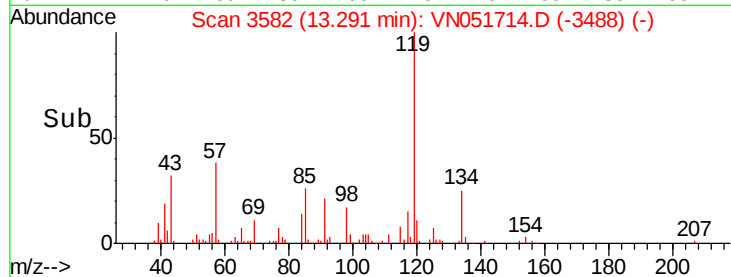
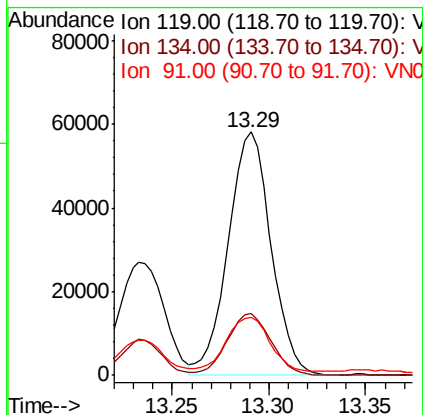
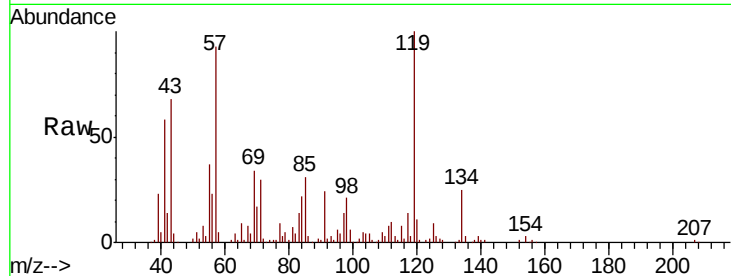
Ion 134.00 (133.70 to 134.70): V





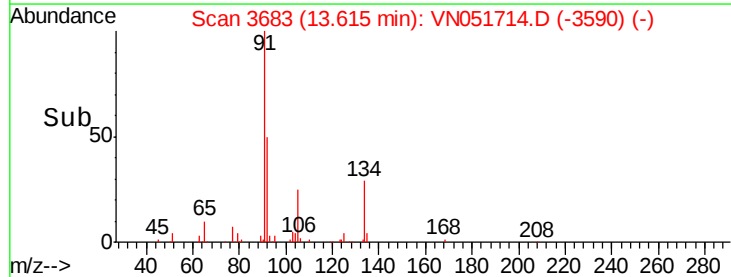
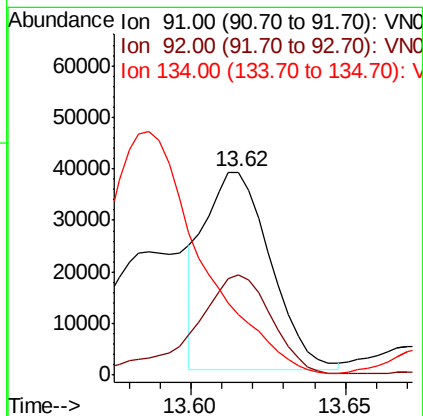
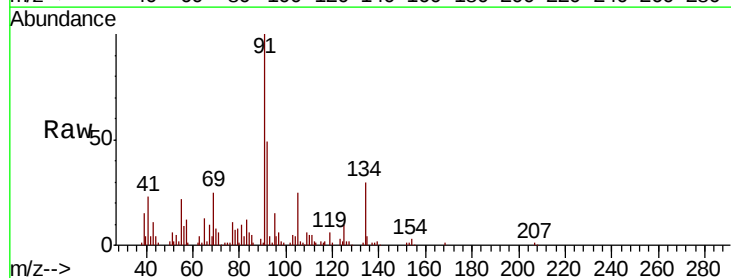
#86
p-Isopropyltoluene
Concen: 3.347 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN051714.D
Acq: 6 Oct 2018 2:56

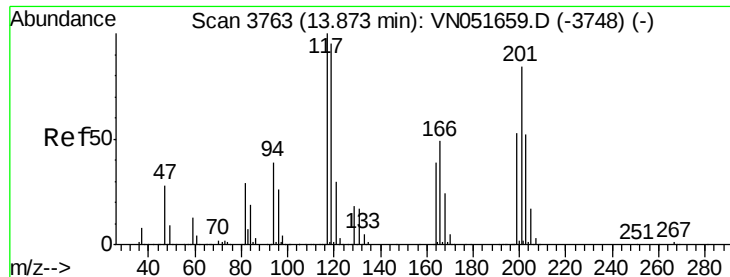
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.4	40.2
91	23.4	11.7	35.1



#89
n-Butylbenzene
Concen: 2.704 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051714.D
Acq: 6 Oct 2018 2:56

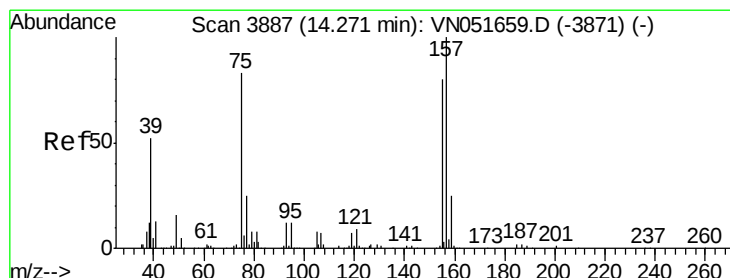
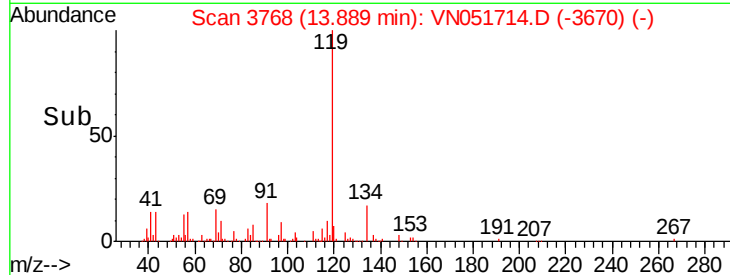
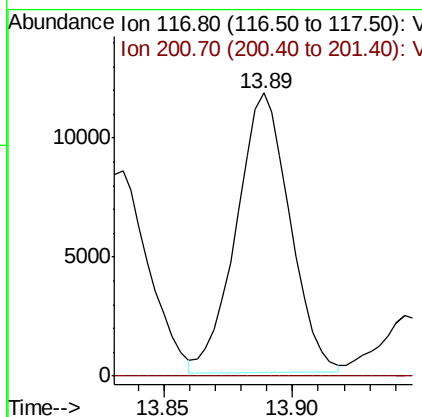
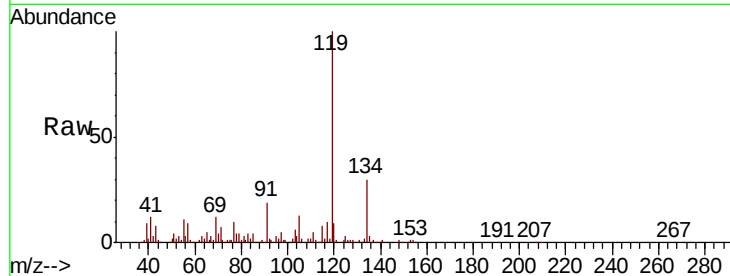
Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.2	26.0	78.0
134	0.0	14.2	42.6





#90
Hexachloroethane
Concen: 3.177 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.02 min
Lab File: VN051714.D
Acq: 6 Oct 2018 2:56

Tot Ion:117 Resp: 16950
Ion Ratio Lower Upper
117 100
201 0.0 42.4 127.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.123 ug/l
RT: 14.25 min Scan# 3880
Delta R.T. -0.02 min
Lab File: VN051714.D
Acq: 6 Oct 2018 2:56

Tgt Ion: 75 Resp: 1191
Ion Ratio Lower Upper
75 100
155 0.0 47.6 142.9#
157 0.0 61.7 185.1#

