

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
 Data File : VN051700.D
 Acq On : 5 Oct 2018 21:11
 Operator : MD\SY
 Sample : J5084-11
 Misc : 5.89g/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 30 Sample Multiplier: 28

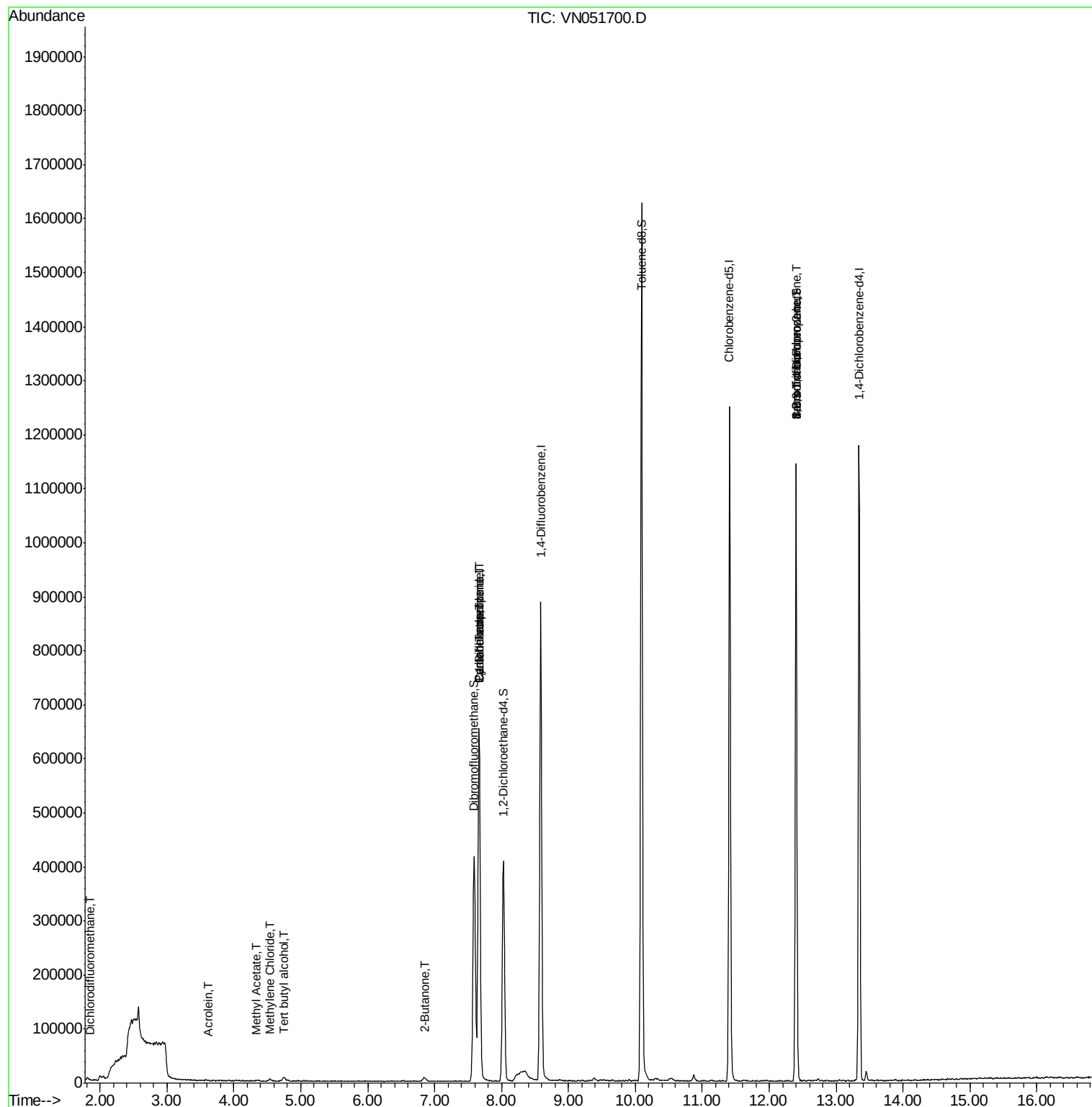
Quant Time: Oct 06 01:21:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

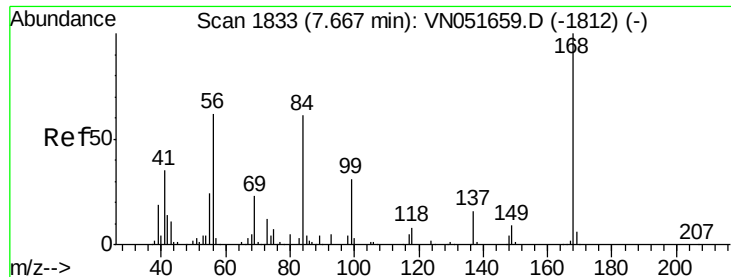
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	564477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	831225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	725538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	319408	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	341690	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
35) Dibromofluoromethane	7.59	113	311443	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
50) Toluene-d8	10.09	98	1163848	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.40	95	353047	41.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.20%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.86	85	62	1.158	ug/l #	42
7) Trichlorofluoromethane	2.97	101	445	Below Cal	#	46
11) Tert butyl alcohol	4.74	59	3004	5.928	ug/l #	85
13) Acrolein	3.62	56	255	0.805	ug/l #	14
16) Acetone	3.83	43	959	Below Cal	#	44
18) Methyl Acetate	4.34	43	2071	0.503	ug/l	91
20) Methylene Chloride	4.55	84	2422	0.395	ug/l	92
25) 2-Butanone	6.86	43	1449	0.673	ug/l	90
31) Cyclohexane	7.66	56	11023	1.089	ug/l #	39
36) 1,1-Dichloropropene	7.66	75	38830	4.469	ug/l #	46
38) Carbon Tetrachloride	7.66	117	51203	4.911	ug/l #	15
41) Methacrylonitrile	7.18	41	128	Below Cal	#	47
71) Bromoform	12.40	173	3499	0.654	ug/l #	1
74) N-amyl acetate	12.07	43	183	Below Cal	#	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	587	Below Cal	#	16
76) 1,2,3-Trichloropropane	12.40	75	191096	47.985	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	191096	109.976	ug/l #	14

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

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QLast Update : Fri Oct 05 02:22:33 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051700.D

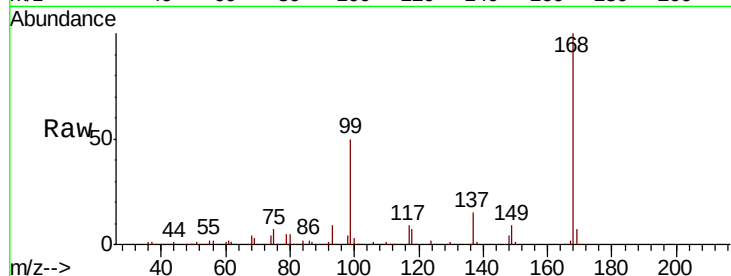
Acq: 5 Oct 2018 21:11

Tot Ion:168 Resp: 564477

Ion Ratio Lower Upper

168 100

99 49.9 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

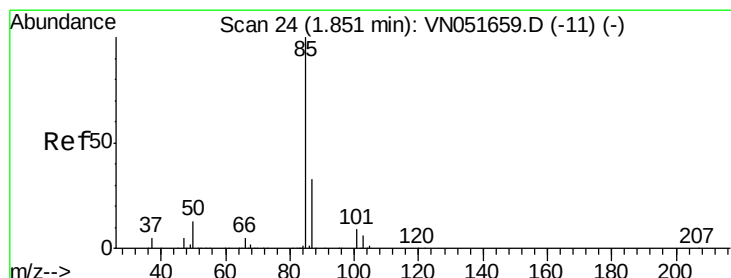
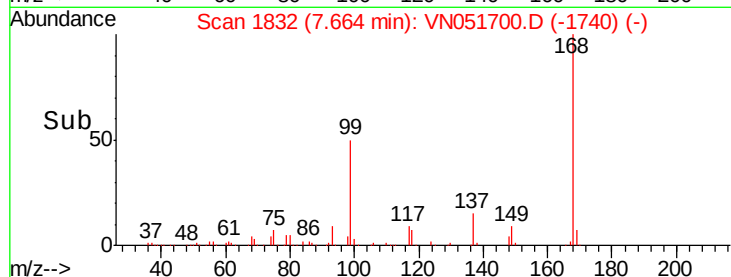
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.158 ug/l

RT: 1.86 min Scan# 27

Delta R.T. 0.01 min

Lab File: VN051700.D

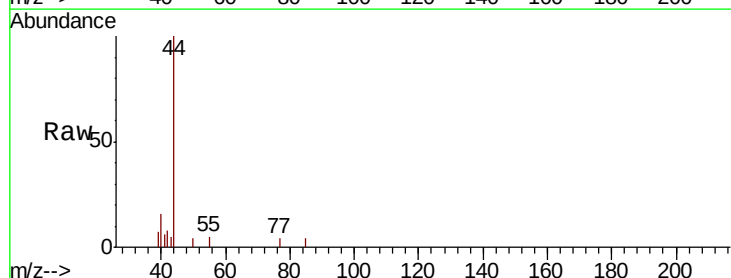
Acq: 5 Oct 2018 21:11

Tgt Ion: 85 Resp: 62

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

1.86

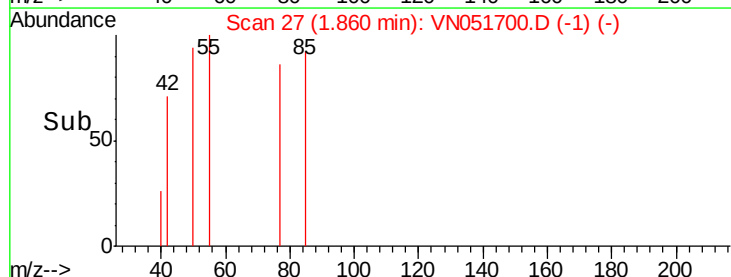
150

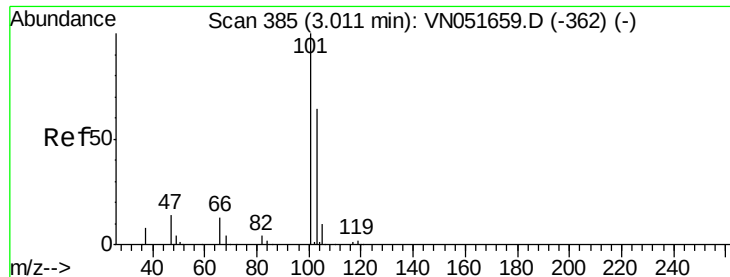
100

50

0

Time-->

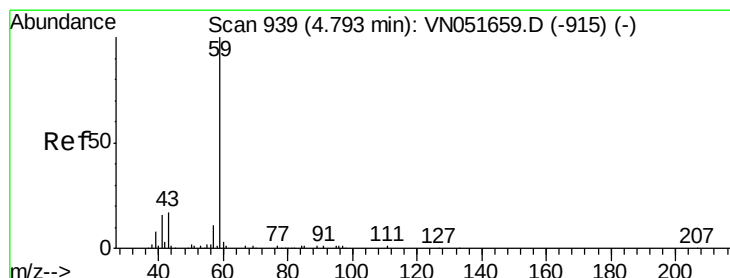
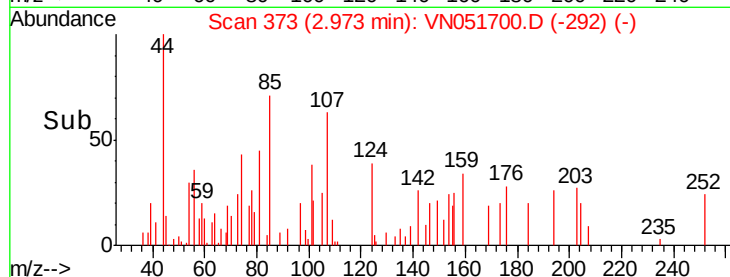
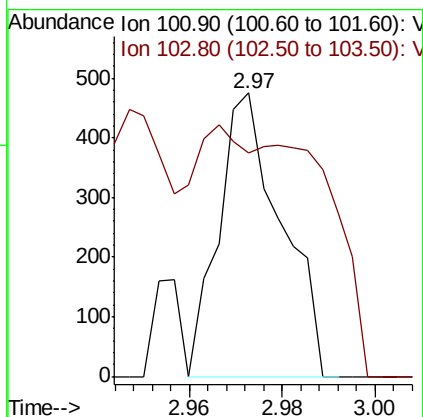
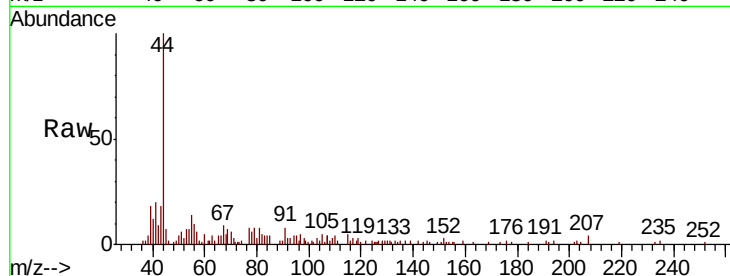




#7

Trichlorofluoromethane
Concen: Below Cal
RT: 2.97 min Scan# 373
Delta R.T. -0.04 min
Lab File: VN051700.D
Acq: 5 Oct 2018 21:11

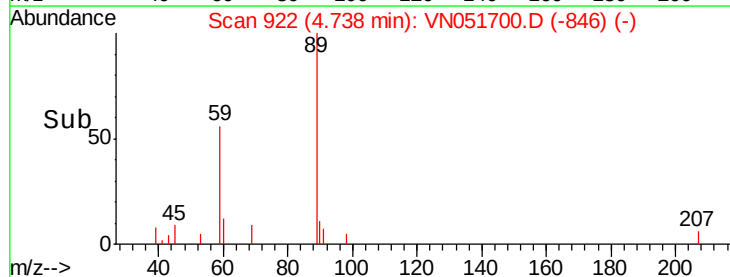
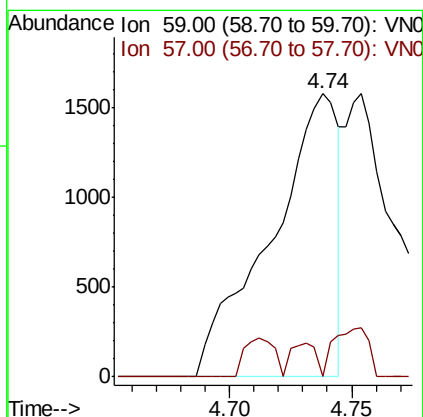
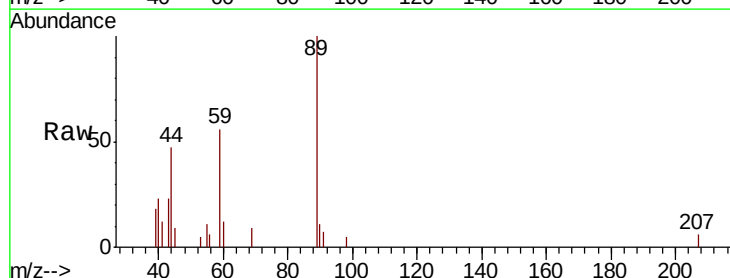
Tot Ion:101 Resp: 445
Ion Ratio Lower Upper
101 100
103 21.5 51.1 76.7#

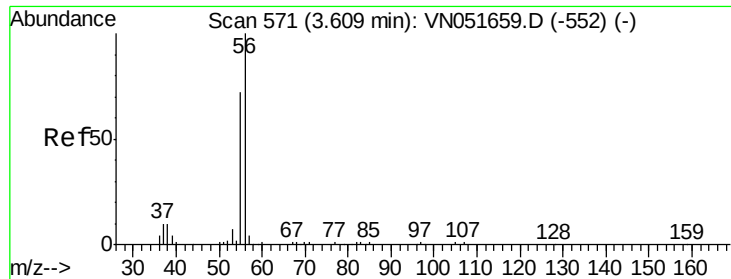


#11

Tert butyl alcohol
Concen: 5.928 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.05 min
Lab File: VN051700.D
Acq: 5 Oct 2018 21:11

Tgt Ion: 59 Resp: 3004
Ion Ratio Lower Upper
59 100
57 4.4 8.1 12.1#





#13

Acrolein

Concen: 0.805 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN051700.D

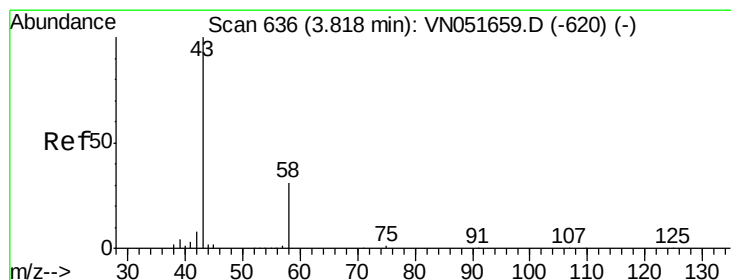
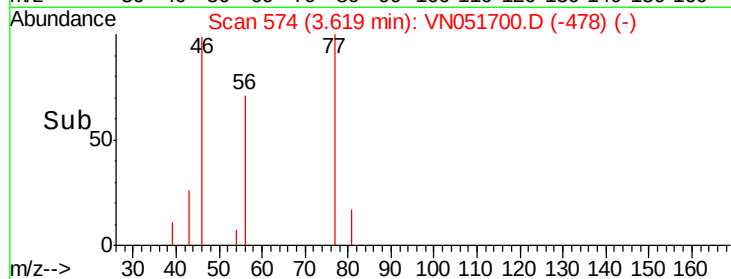
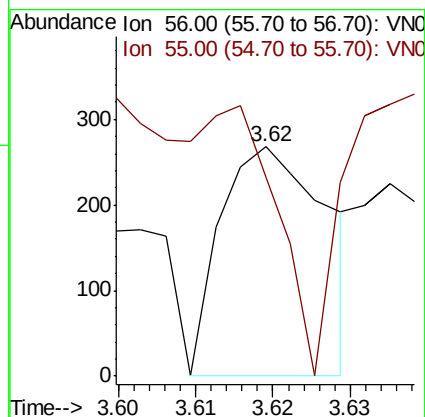
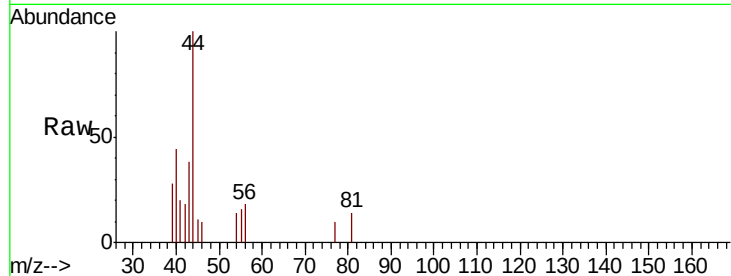
Acq: 5 Oct 2018 21:11

Tot Ion: 56 Resp: 255

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#



#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN051700.D

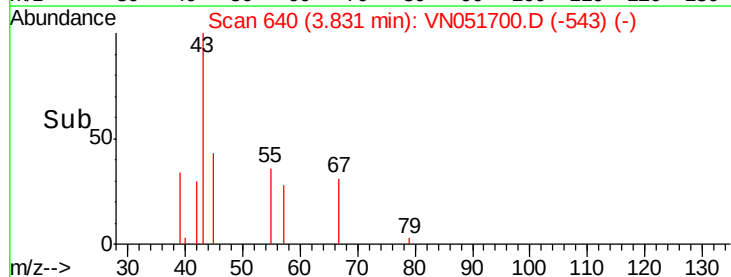
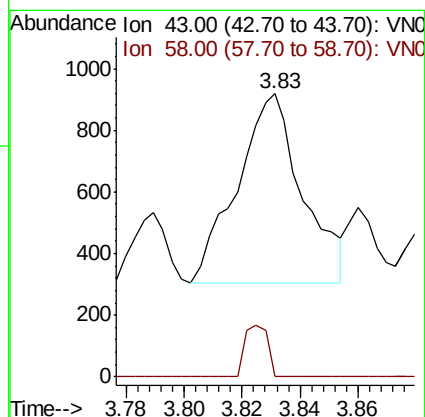
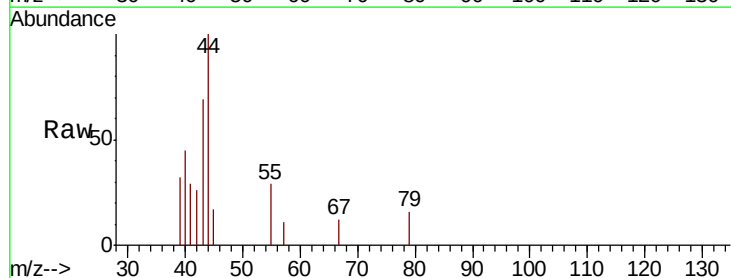
Acq: 5 Oct 2018 21:11

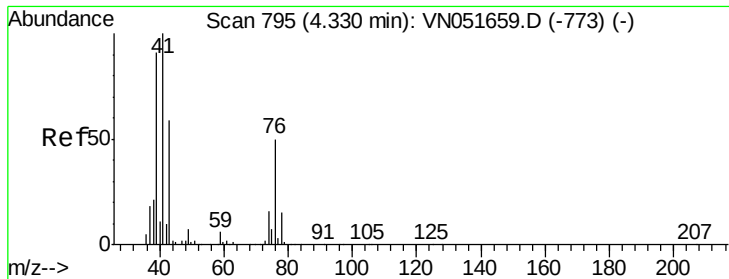
Tgt Ion: 43 Resp: 959

Ion Ratio Lower Upper

43 100

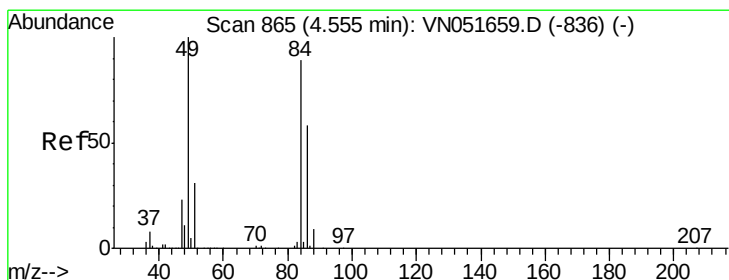
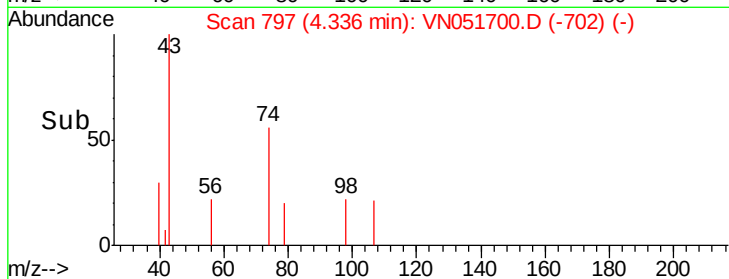
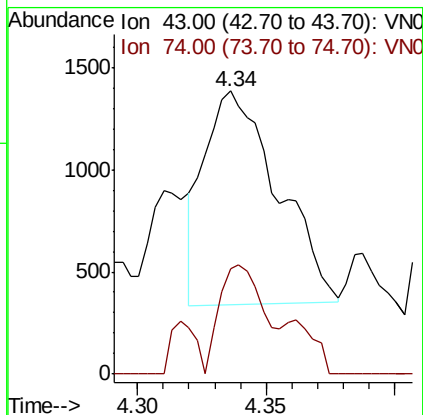
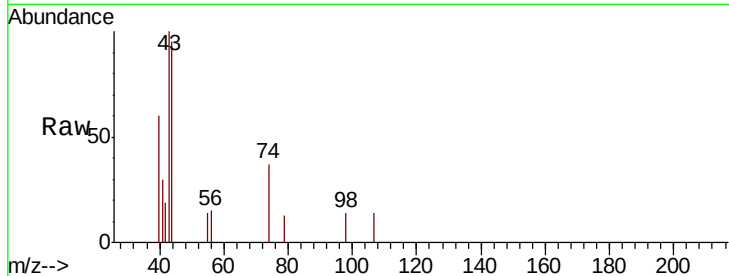
58 0.0 24.3 36.5#





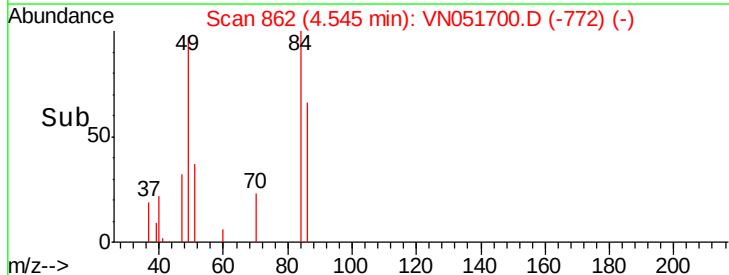
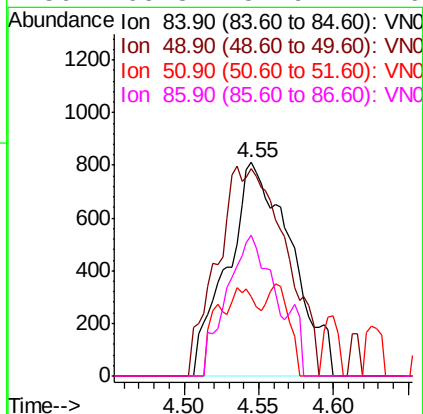
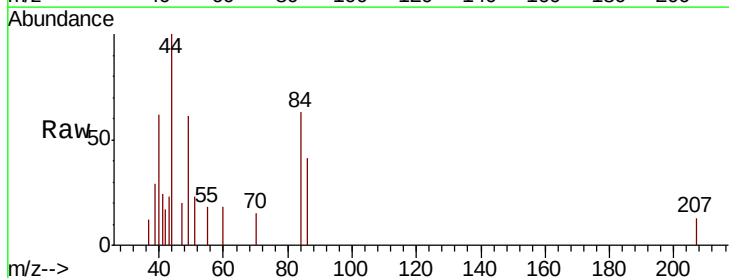
#18
Methyl Acetate
Concen: 0.503 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051700.D
Acq: 5 Oct 2018 21:11

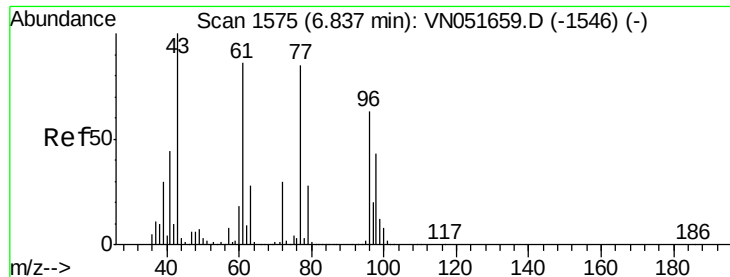
Tot Ion: 43 Resp: 2071
Ion Ratio Lower Upper
43 100
74 31.4 21.5 32.3



#20
Methylene Chloride
Concen: 0.395 ug/l
RT: 4.55 min Scan# 862
Delta R.T. -0.01 min
Lab File: VN051700.D
Acq: 5 Oct 2018 21:11

Tgt Ion: 84 Resp: 2422
Ion Ratio Lower Upper
84 100
49 97.3 89.5 134.3
51 37.0 27.4 41.0
86 65.8 51.9 77.9





#25

2-Butanone

Concen: 0.673 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VN051700.D

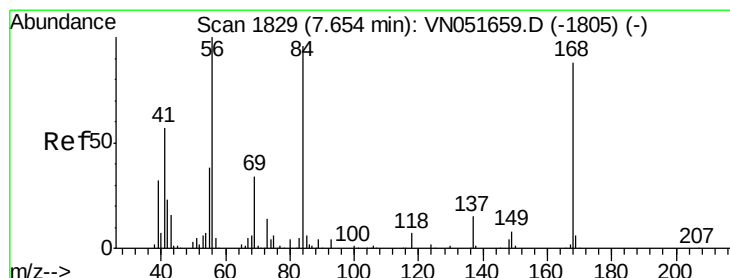
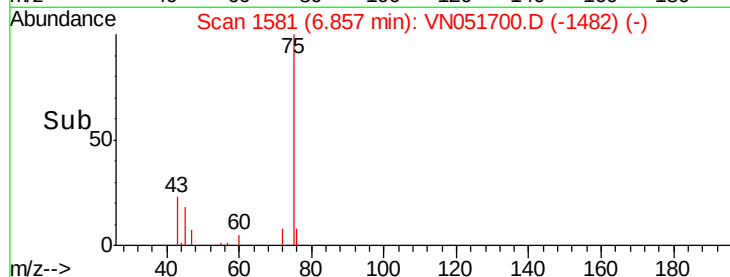
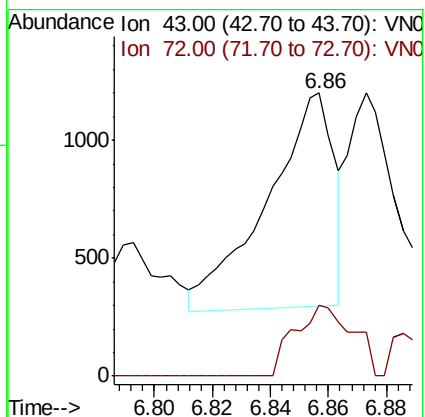
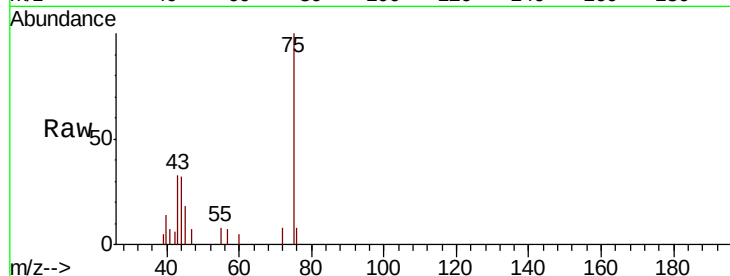
Acq: 5 Oct 2018 21:11

Tot Ion: 43 Resp: 1449

Ion Ratio Lower Upper

43 100

72 35.8 24.2 36.2



#31

Cyclohexane

Concen: 1.089 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051700.D

Acq: 5 Oct 2018 21:11

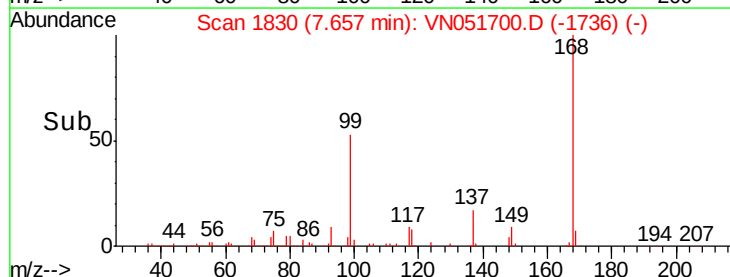
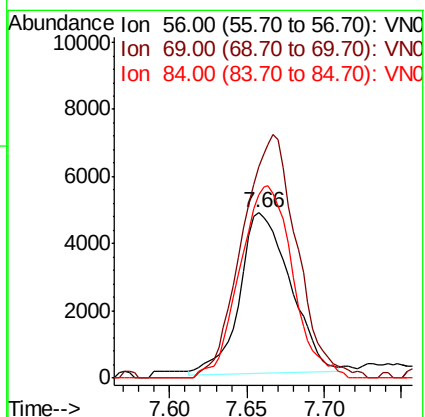
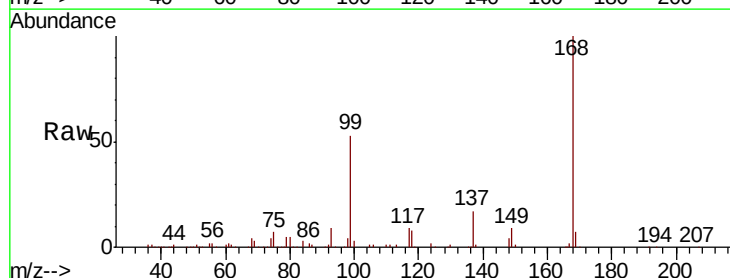
Tgt Ion: 56 Resp: 11023

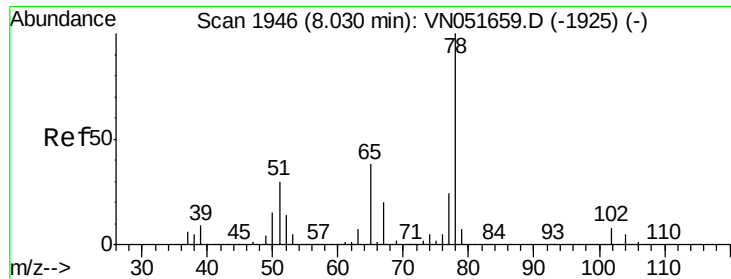
Ion Ratio Lower Upper

56 100

69 133.9 27.5 41.3#

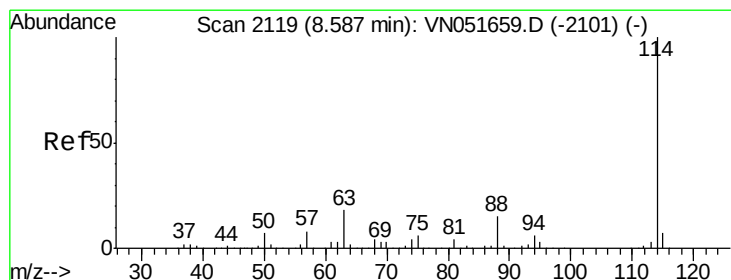
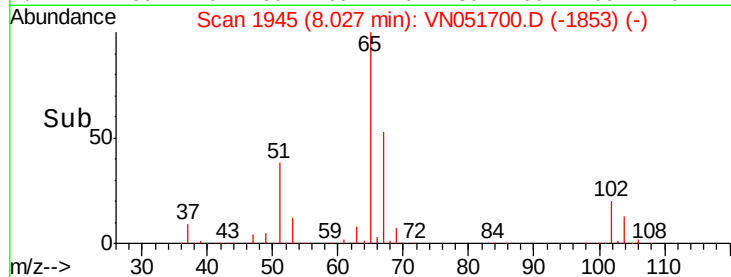
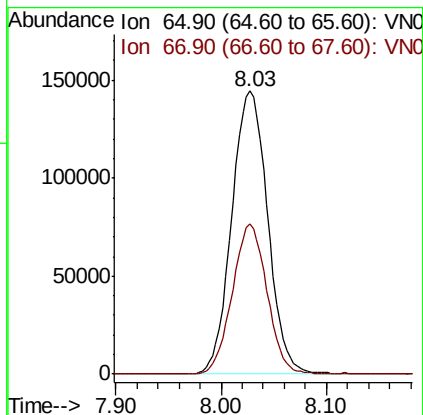
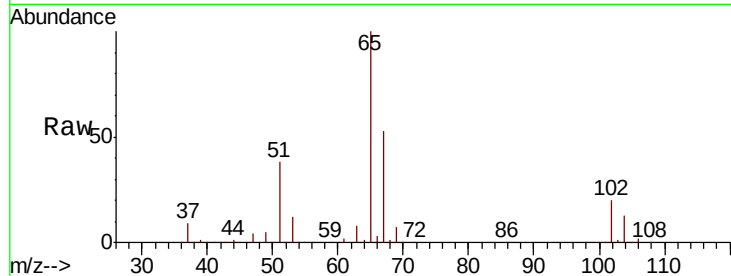
84 116.0 76.7 115.1#





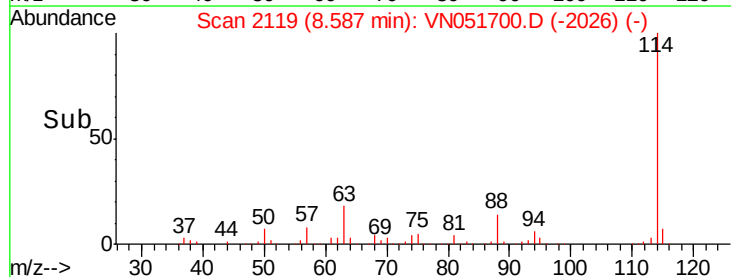
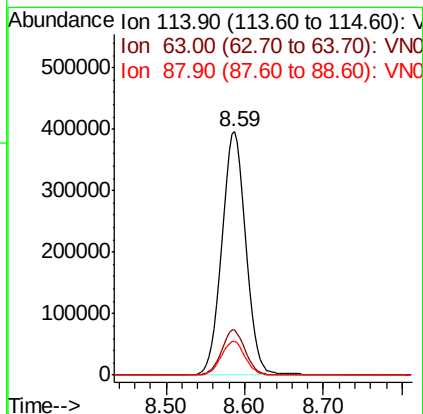
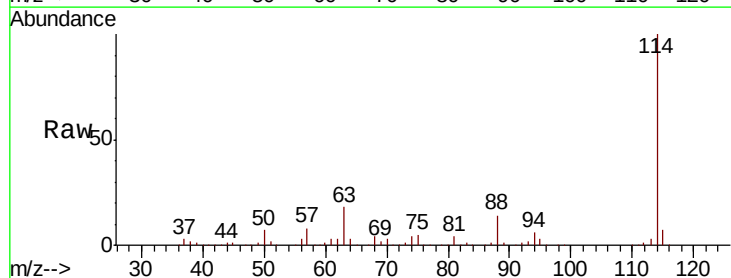
#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051700.D
 Acq: 5 Oct 2018 21:11

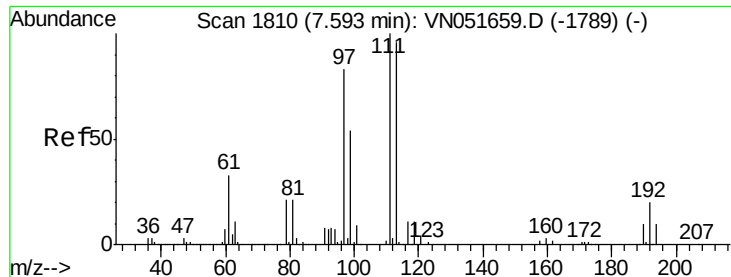
Tot Ion: 65 Resp: 341690
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051700.D
 Acq: 5 Oct 2018 21:11

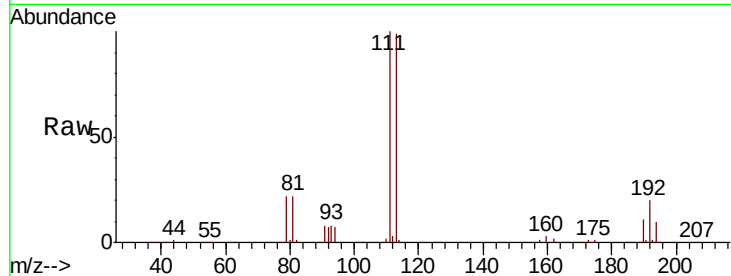
Tgt Ion: 114 Resp: 831225
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.2
 88 14.0 0.0 30.2



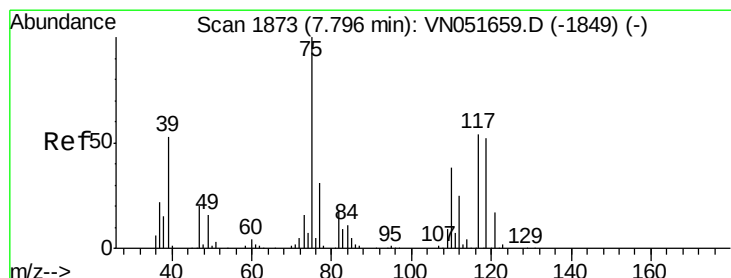
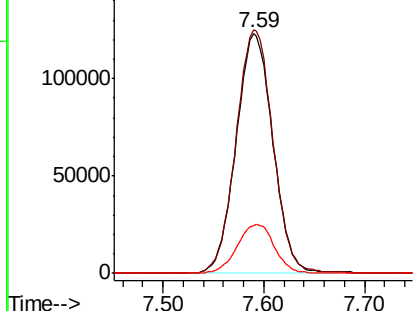
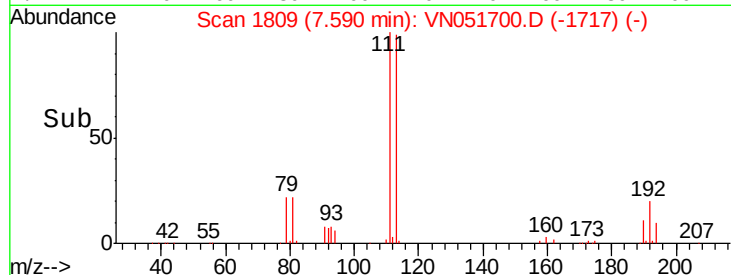


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051700.D
 Acq: 5 Oct 2018 21:11

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	20.8	16.5	24.7

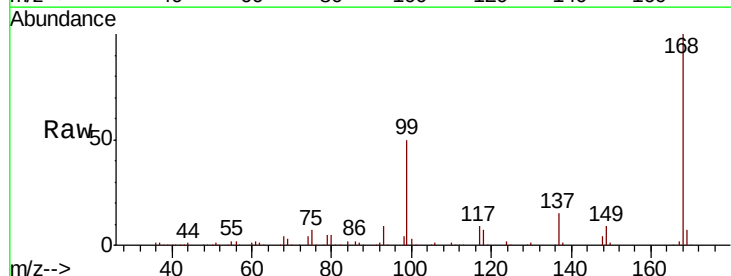


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

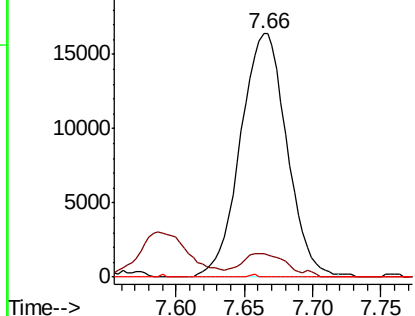
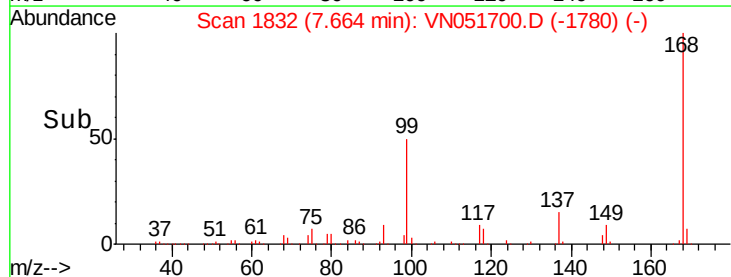


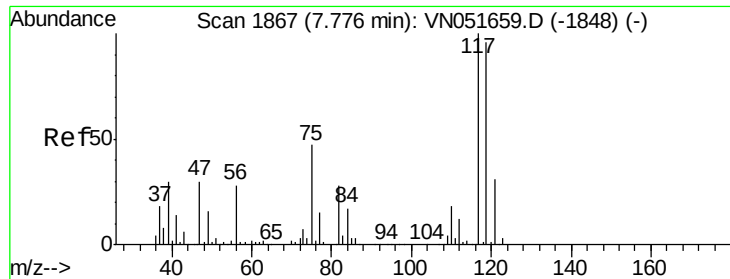
#36
 1,1-Dichloropropene
 Concen: 4.469 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051700.D
 Acq: 5 Oct 2018 21:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.0	19.3	57.8#
77	0.2	24.7	37.1#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 4.911 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN051700.D

Acq: 5 Oct 2018 21:11

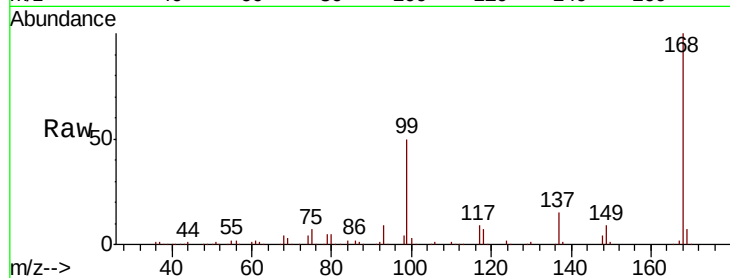
Tot Ion: 117 Resp: 51203

Ion Ratio Lower Upper

117 100

119 4.1 77.0 115.6#

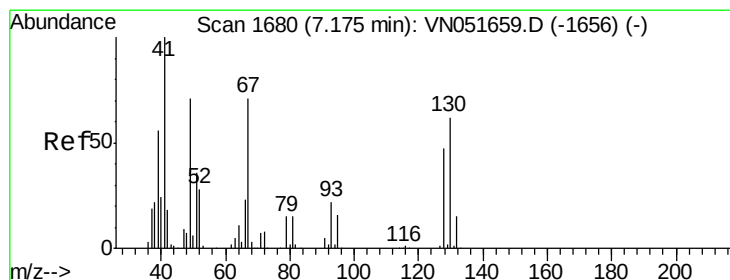
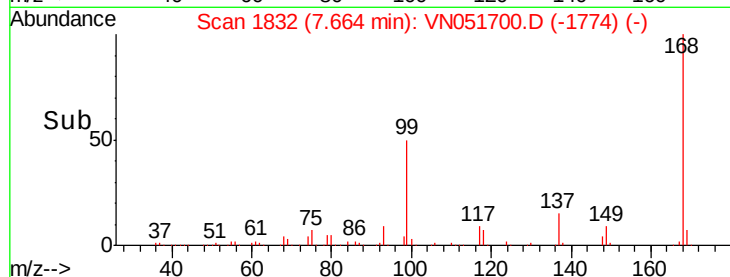
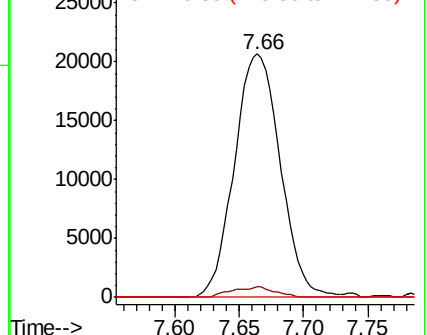
121 0.0 25.0 37.6#



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# 1681

Delta R.T. 0.00 min

Lab File: VN051700.D

Acq: 5 Oct 2018 21:11

Tgt Ion: 41 Resp: 128

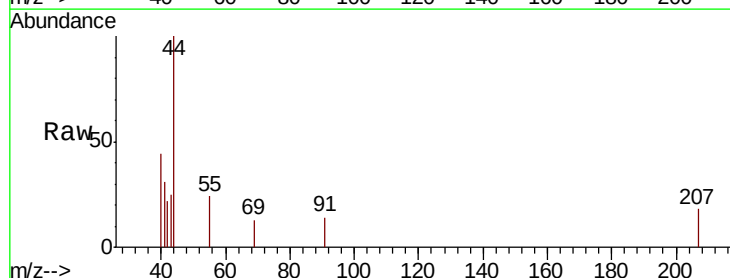
Ion Ratio Lower Upper

41 100

39 143.8 53.9 80.9#

67 78.9 78.1 117.1

52 0.0 32.3 48.5#

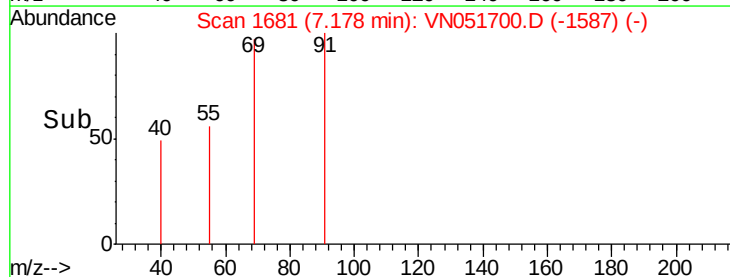
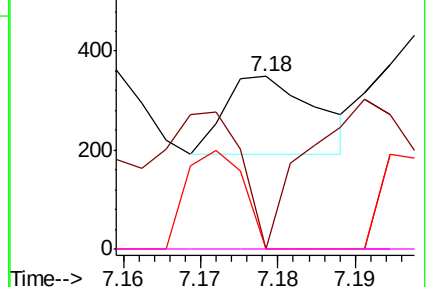


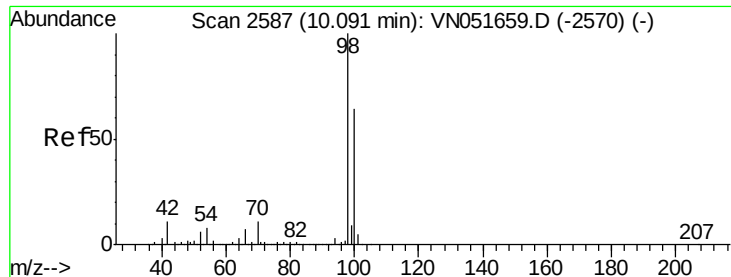
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

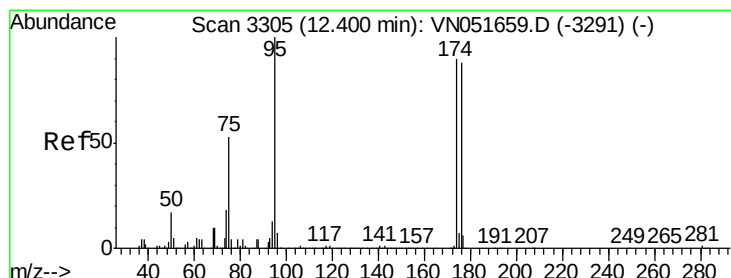
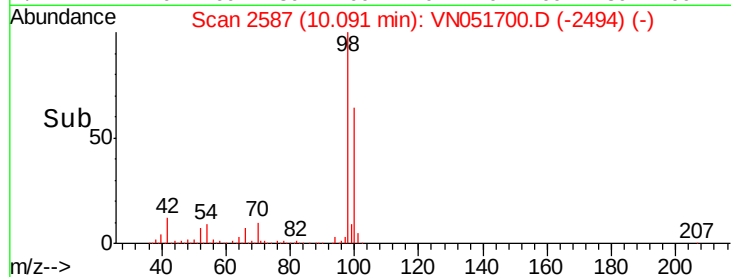
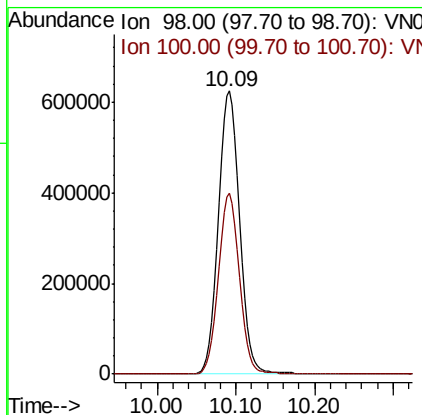
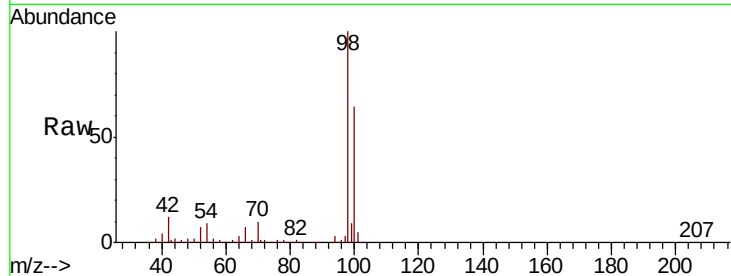
Ion 52.00 (51.70 to 52.70): VNO





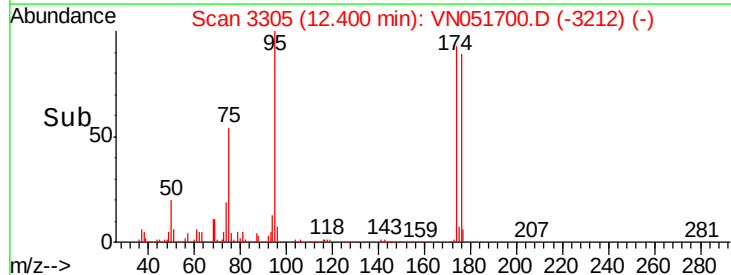
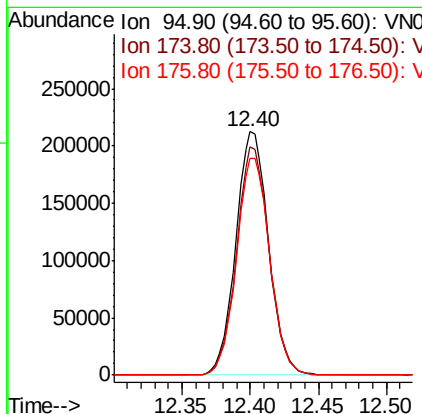
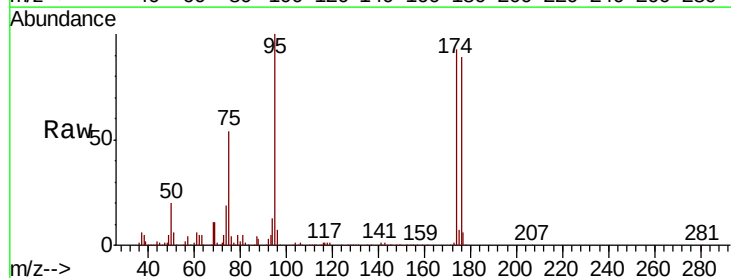
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051700.D
Acq: 5 Oct 2018 21:11

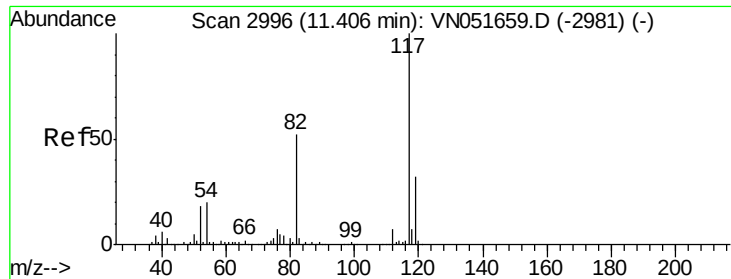
Tot Ion: 98 Resp: 1163848
Ion Ratio Lower Upper
98 100
100 63.0 51.5 77.3



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051700.D
Acq: 5 Oct 2018 21:11

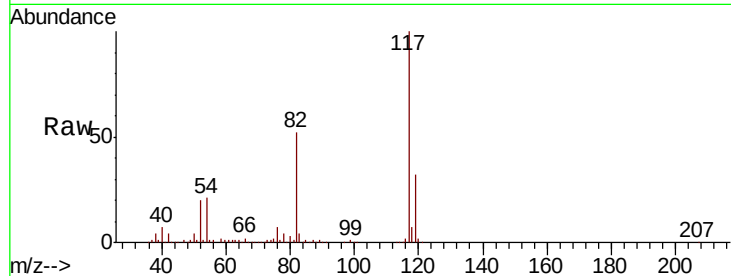
Tgt Ion: 95 Resp: 353047
Ion Ratio Lower Upper
95 100
174 93.3 0.0 182.8
176 90.2 0.0 176.4



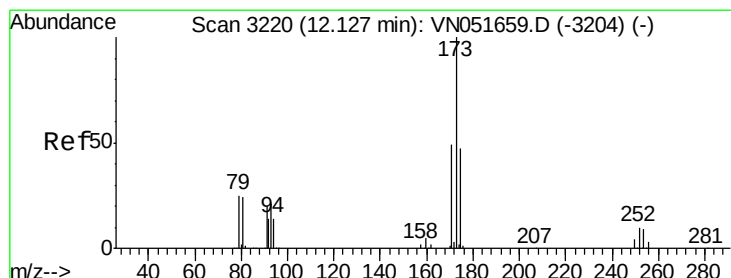
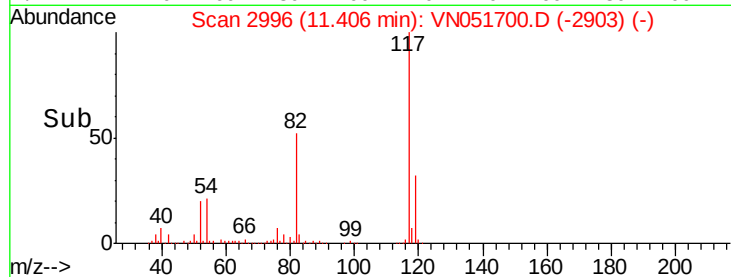
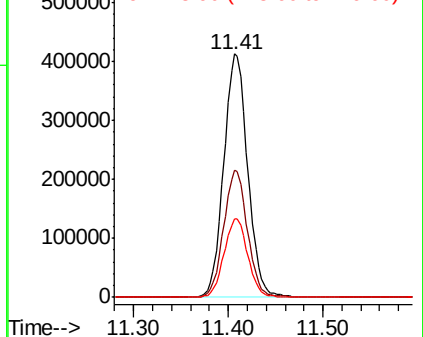


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051700.D
Acq: 5 Oct 2018 21:11

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.3	61.9
119	32.1	25.9	38.9

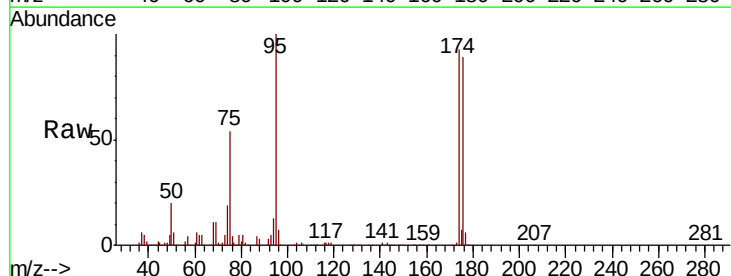


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

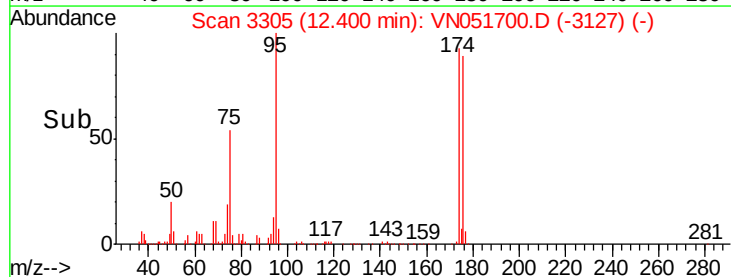
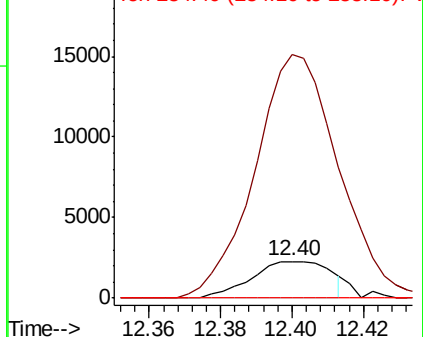


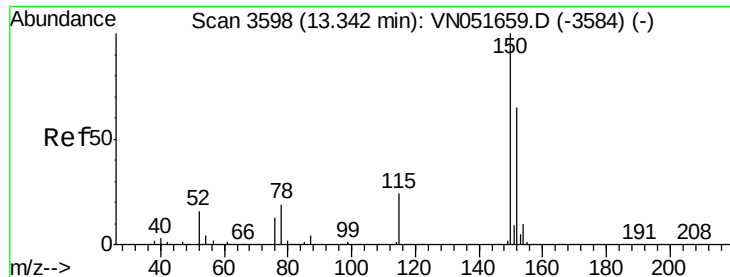
#71
Bromoform
Concen: 0.654 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051700.D
Acq: 5 Oct 2018 21:11

Tgt Ion	Ratio	Lower	Upper
173	100		
175	615.9	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

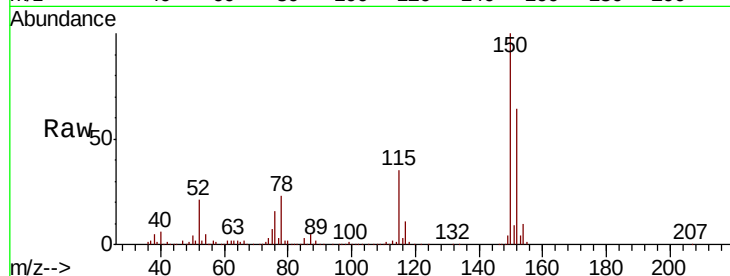




#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051700.D
Acq: 5 Oct 2018 21:11

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	28.6	85.8
150	156.0	0.0	352.4

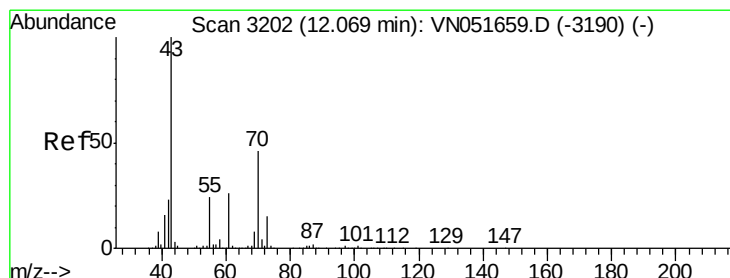
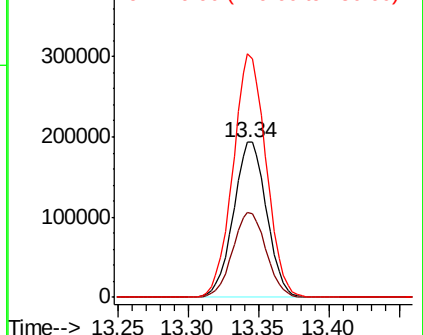
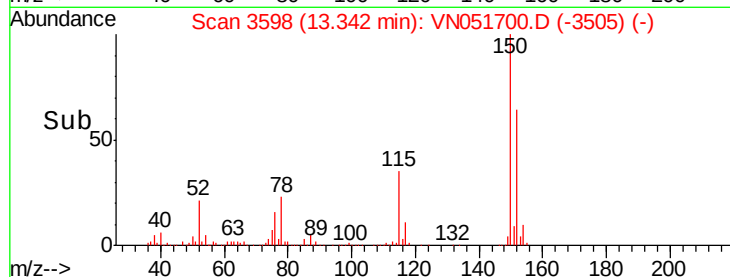


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

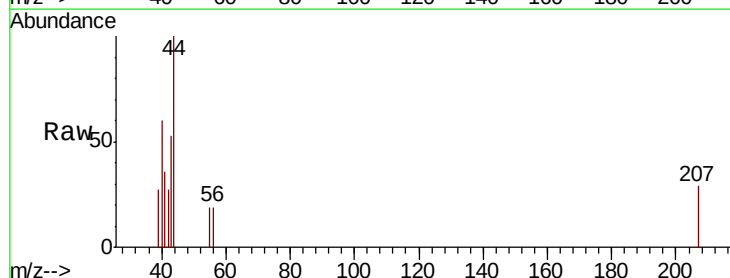
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate
Concen: Below Cal
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN051700.D
Acq: 5 Oct 2018 21:11

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	37.1	55.7#
55	156.3	19.1	28.7#
61	0.0	20.8	31.2#



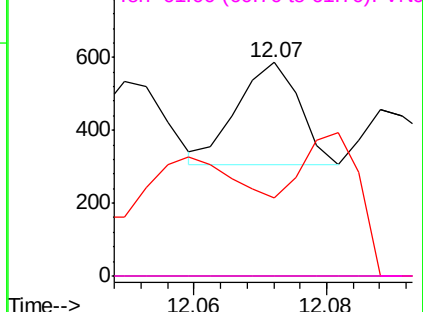
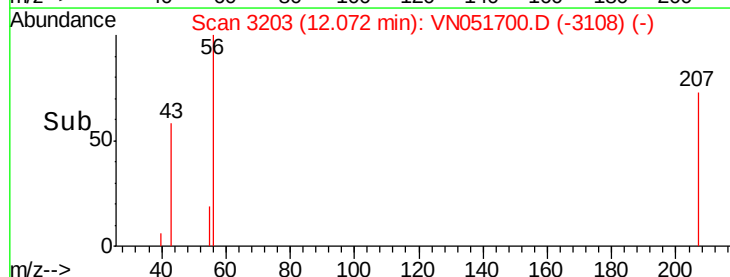
Abundance

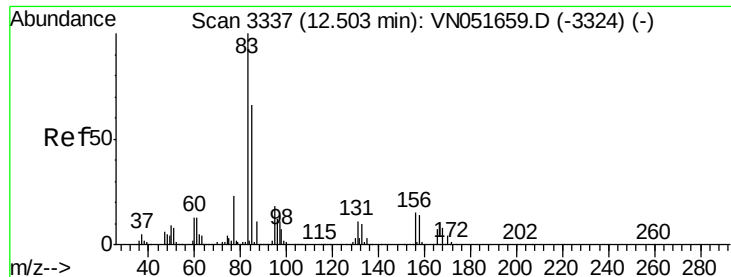
Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.10 min

Lab File: VN051700.D

Acq: 5 Oct 2018 21:11

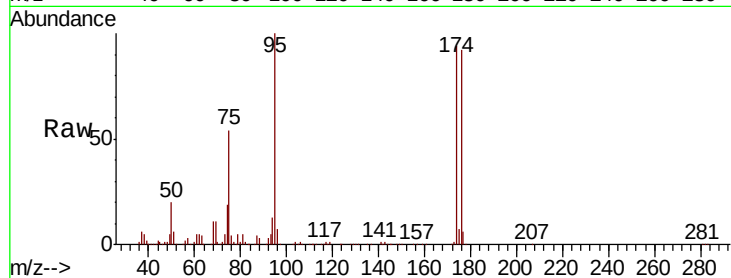
Tot Ion: 83 Resp: 587

Ion Ratio Lower Upper

83 100

131 47.0 5.7 17.1#

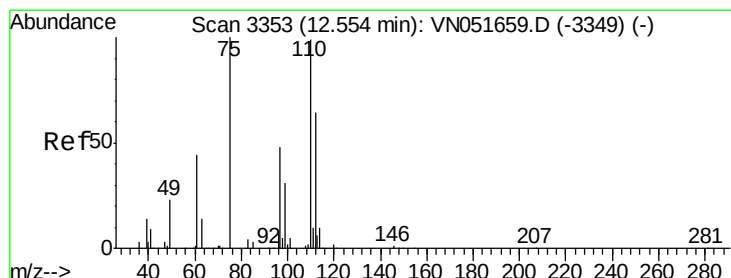
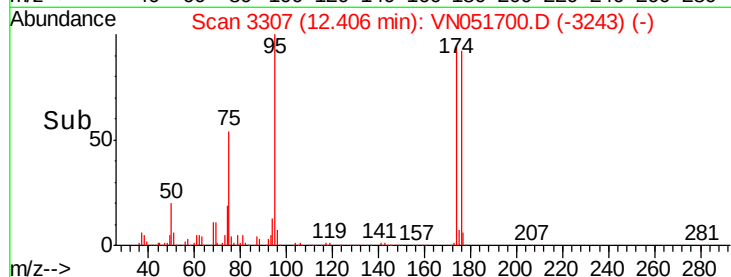
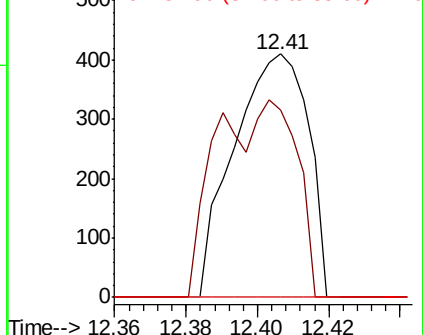
85 0.0 33.0 98.9#



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: 47.985 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051700.D

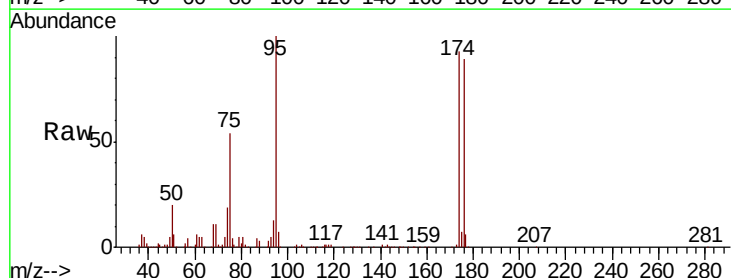
Acq: 5 Oct 2018 21:11

Tgt Ion: 75 Resp: 191096

Ion Ratio Lower Upper

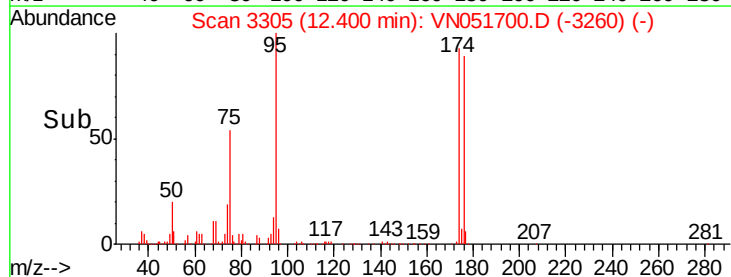
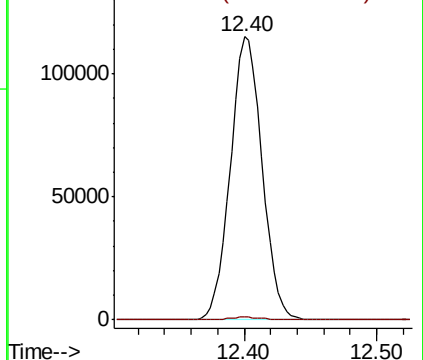
75 100

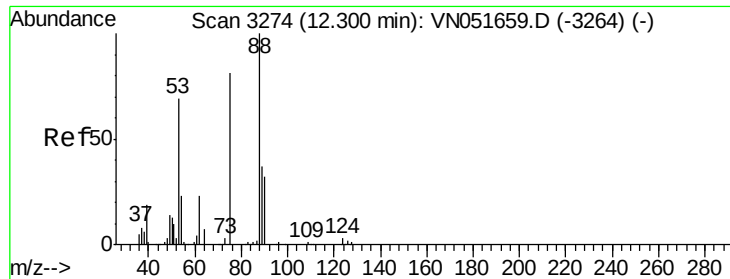
77 1.0 0.0 0.0#



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: 109.976 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN051700.D
 Acq: 5 Oct 2018 21:11

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	68.6	102.8#
89	0.0	39.4	59.2#

