

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
 Data File : VN051713.D
 Acq On : 6 Oct 2018 2:31
 Operator : MD\SY
 Sample : J5165-02 40X
 Misc : 6.24u/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 43 Sample Multiplier: 28

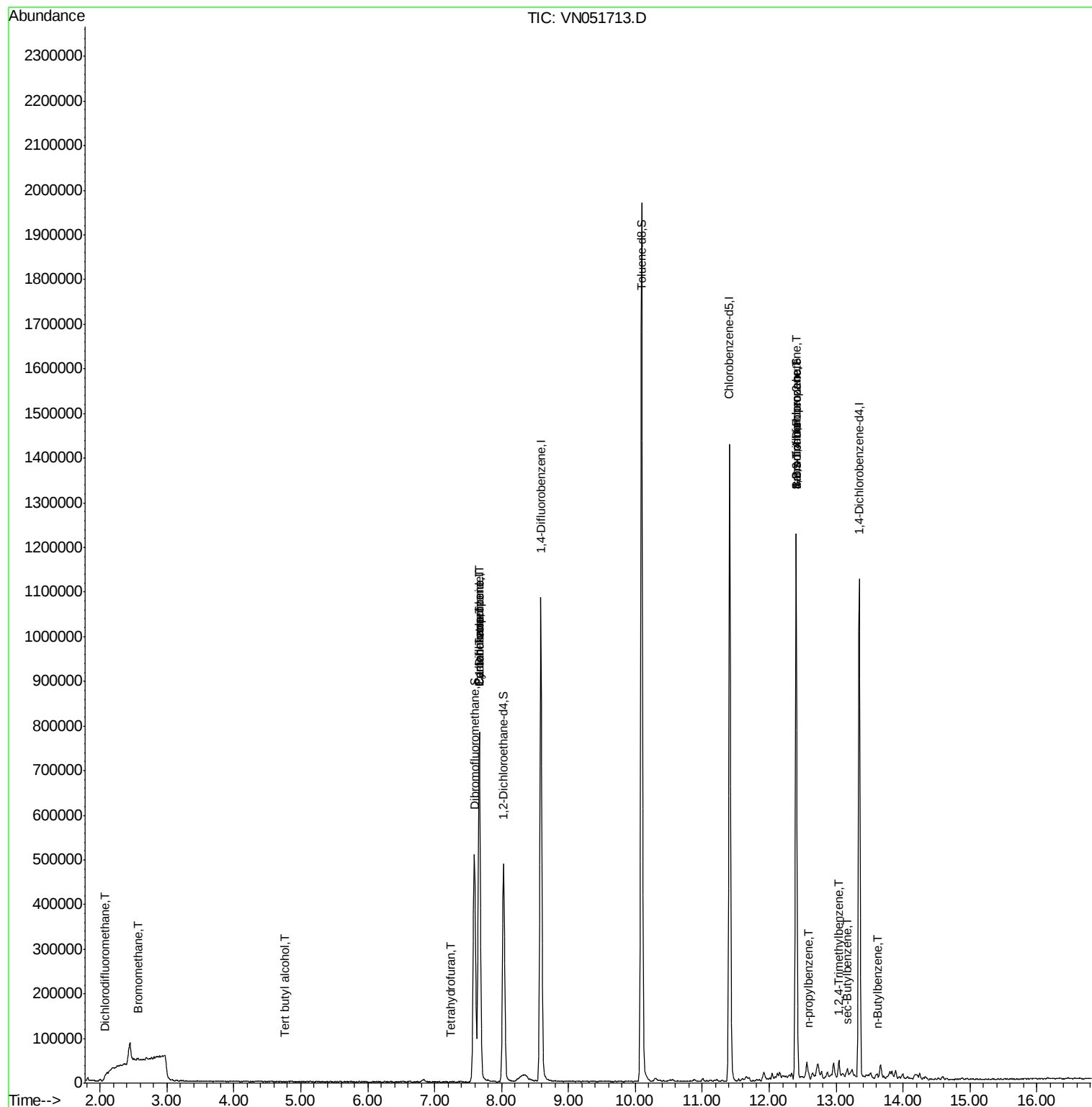
Quant Time: Oct 06 03:36:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

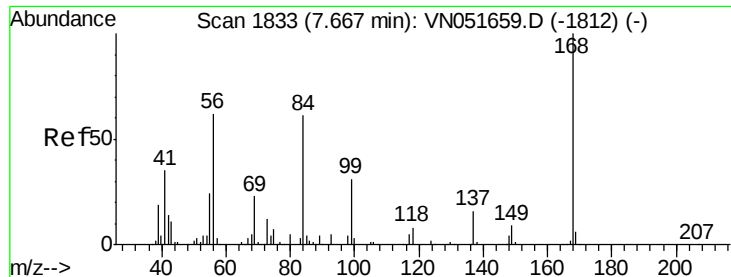
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	690720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	994731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	851657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	312941	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	408753	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	
35) Dibromofluoromethane	7.59	113	375781	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.09	98	1399355	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	387245	38.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.26%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.06	85	34	1.153	ug/l #	42
5) Bromomethane	2.57	94	2022	0.212	ug/l #	66
7) Trichlorofluoromethane	2.86	101	67	Below Cal	#	76
11) Tert butyl alcohol	4.75	59	180	0.290	ug/l #	1
16) Acetone	3.82	43	246	Below Cal	#	44
29) Tetrahydrofuran	7.23	42	352	0.218	ug/l #	28
31) Cyclohexane	7.66	56	14624	1.181	ug/l #	57
36) 1,1-Dichloropropene	7.67	75	46071	4.431	ug/l #	50
38) Carbon Tetrachloride	7.67	117	61939	4.965	ug/l #	15
41) Methacrylonitrile	7.16	41	146	Below Cal	#	1
71) Bromoform	12.40	173	3603	0.574	ug/l #	1
74) N-amyl acetate	12.04	43	3411	Below Cal	#	64
75) 1,1,2,2-Tetrachloroethane	12.48	83	419	Below Cal	#	50
76) 1,2,3-Trichloropropane	12.40	75	208697	54.000	ug/l #	100
78) n-propylbenzene	12.60	91	11004	0.378	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	208697	122.587	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.04	105	19634	0.872	ug/l	97
85) sec-Butylbenzene	13.17	105	9111	0.342	ug/l #	68
89) n-Butylbenzene	13.62	91	5646	0.302	ug/l #	78

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

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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: VN051713.D

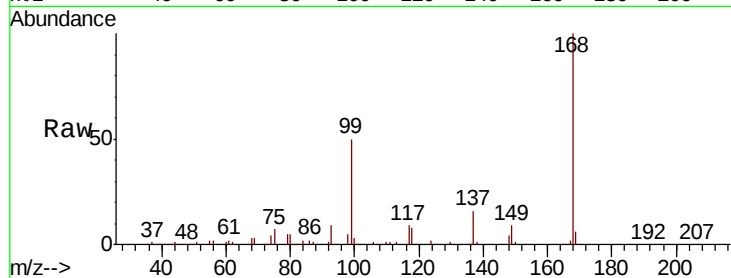
Acq: 6 Oct 2018 2:31

Tot Ion:168 Resp: 690720

Ion Ratio Lower Upper

168 100

99 49.7 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

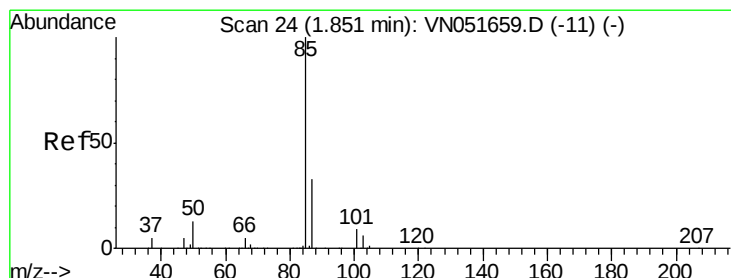
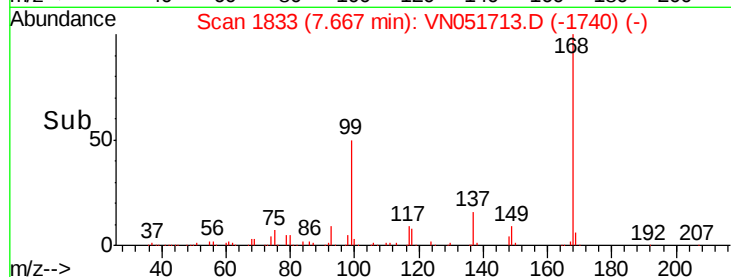
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.153 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.21 min

Lab File: VN051713.D

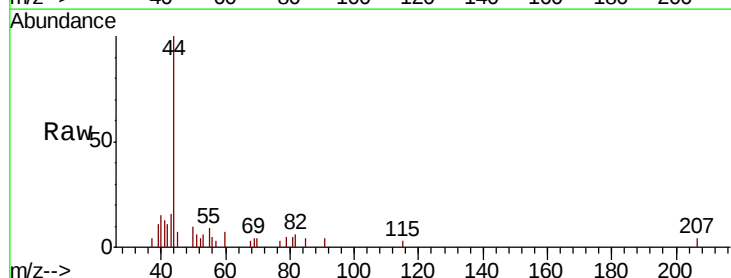
Acq: 6 Oct 2018 2:31

Tgt Ion: 85 Resp: 34

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

200

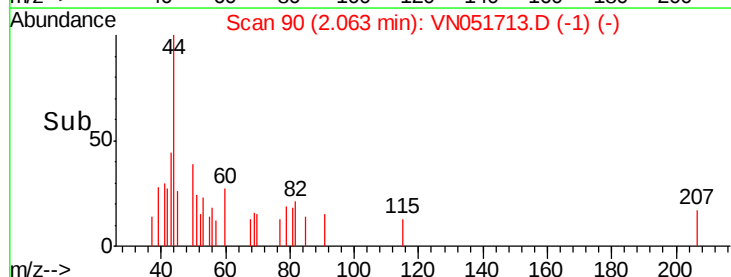
150

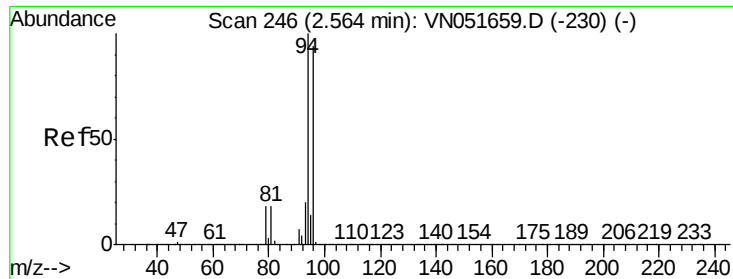
100

50

0

Time-->





#5

Bromomethane

Concen: 0.212 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051713.D

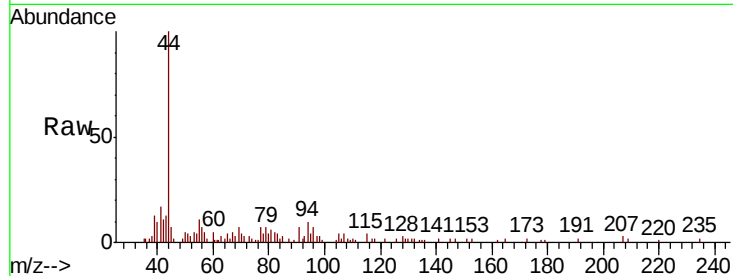
Acq: 6 Oct 2018 2:31

Tot Ion: 94 Resp: 2022

Ion Ratio Lower Upper

94 100

96 60.9 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

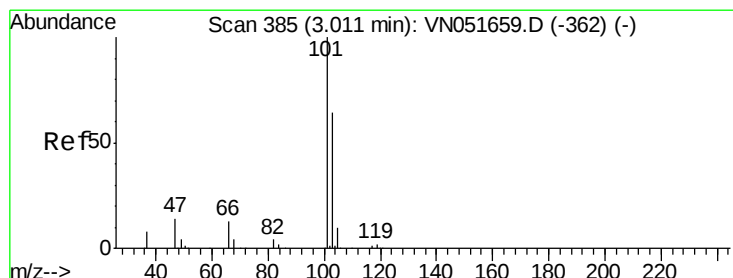
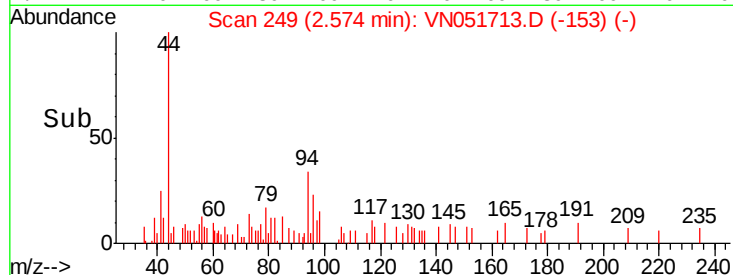
2.57

1000

500

0

Time-->



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.86 min Scan# 337

Delta R.T. -0.15 min

Lab File: VN051713.D

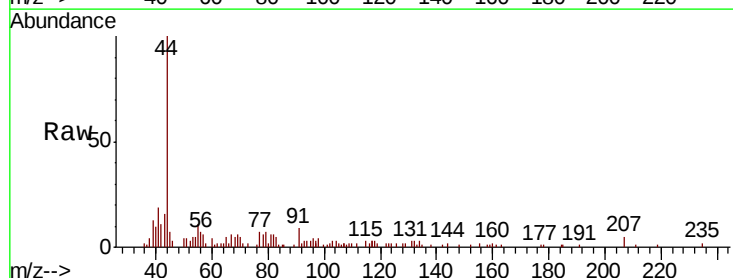
Acq: 6 Oct 2018 2:31

Tgt Ion:101 Resp: 67

Ion Ratio Lower Upper

101 100

103 45.3 51.1 76.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

400

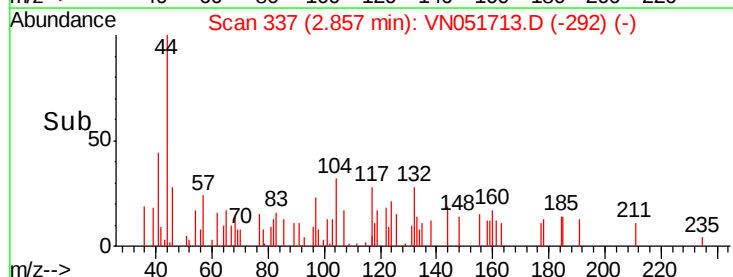
300

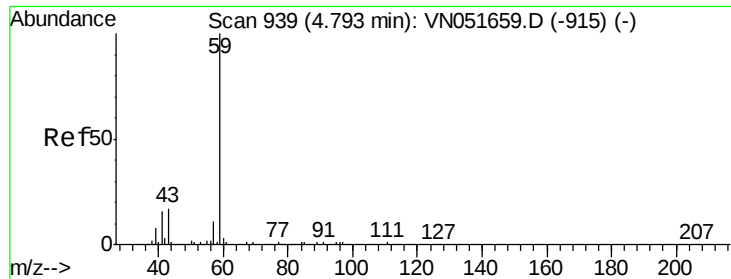
200

100

0

Time-->

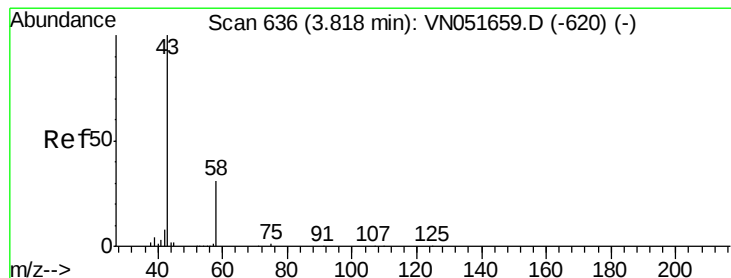
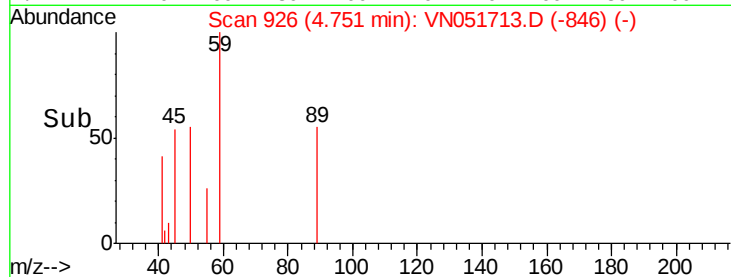
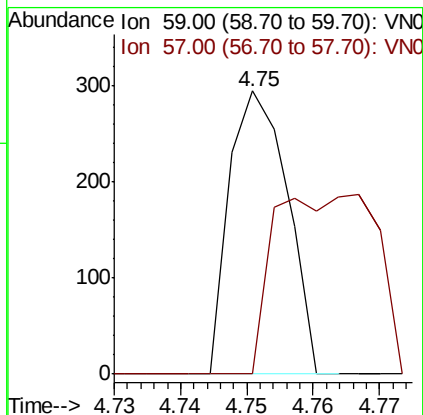
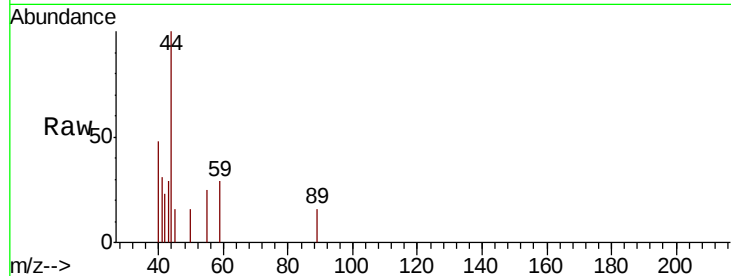




#11

Tert butvl alcohol
 Concen: 0.290 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.04 min
 Lab File: VN051713.D
 Acq: 6 Oct 2018 2:31

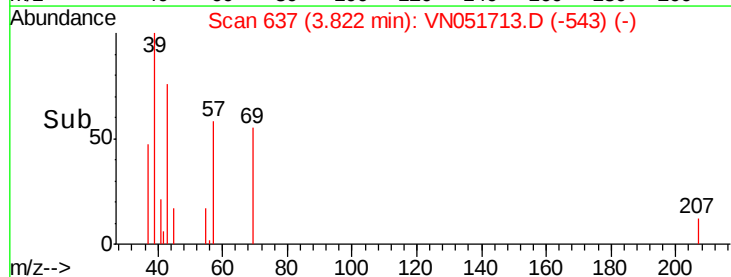
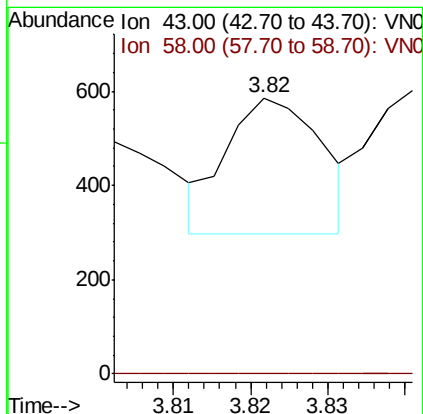
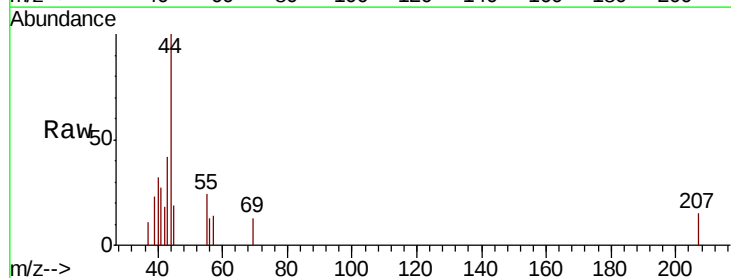
Tot Ion: 59 Resp: 180
 Ion Ratio Lower Upper
 59 100
 57 112.2 8.1 12.1#

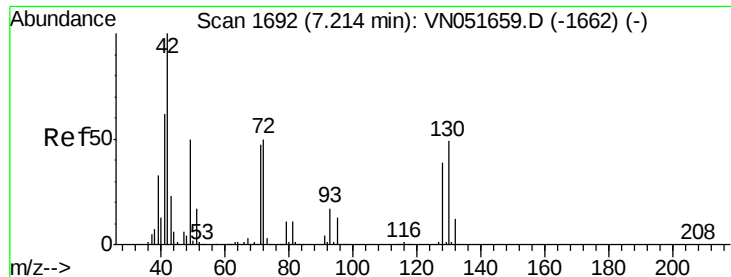


#16

Acetone
 Concen: Below Cal
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051713.D
 Acq: 6 Oct 2018 2:31

Tgt Ion: 43 Resp: 246
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.3 36.5#





#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN051713.D

Acq: 6 Oct 2018 2:31

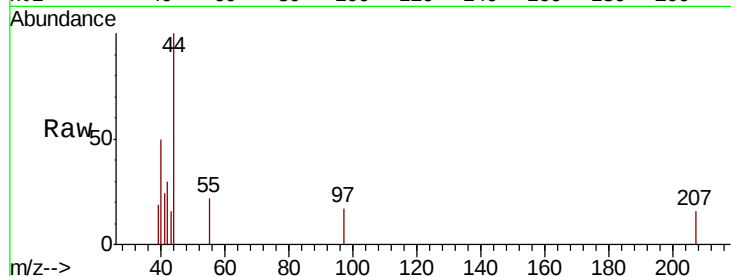
Tot Ion: 42 Resp: 352

Ion Ratio Lower Upper

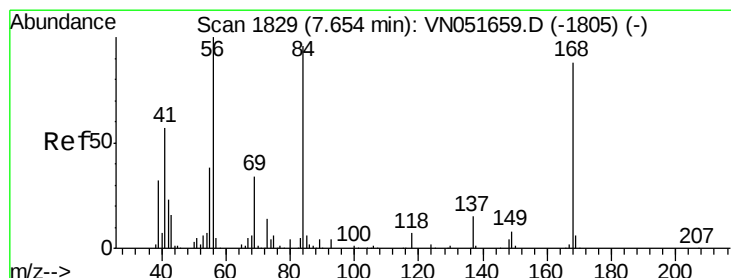
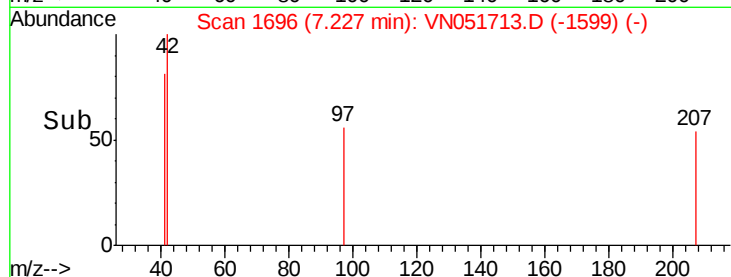
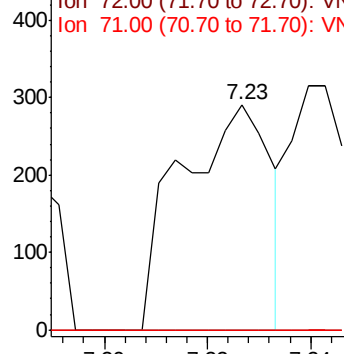
42 100

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: 1.181 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051713.D

Acq: 6 Oct 2018 2:31

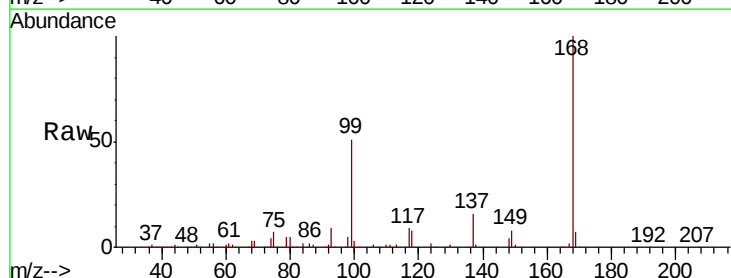
Tgt Ion: 56 Resp: 14624

Ion Ratio Lower Upper

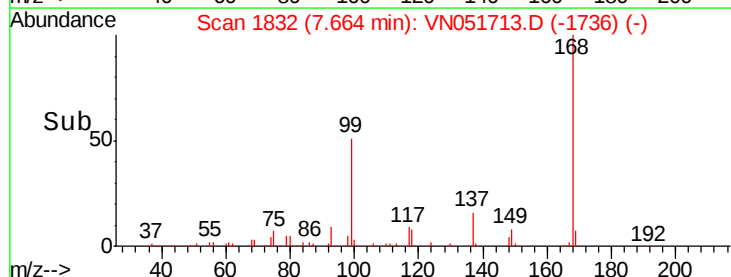
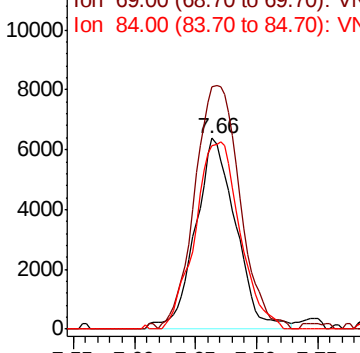
56 100

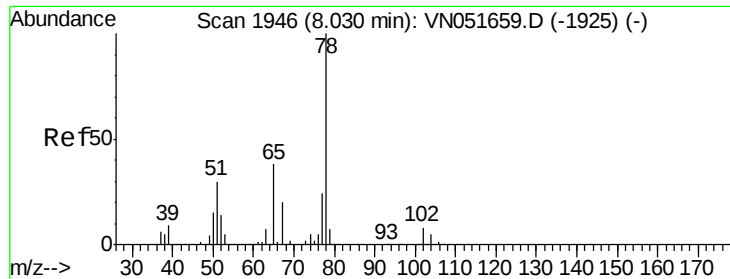
69 127.2 27.5 41.3#

84 96.4 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: VN051713.D

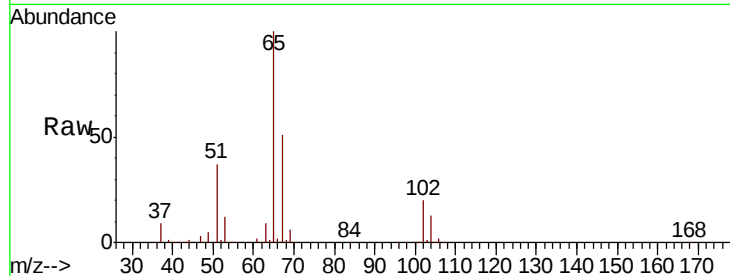
Acq: 6 Oct 2018 2:31

Tot Ion: 65 Resp: 408753

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN051713.D (-1853) (-)

Ion 66.90 (66.60 to 67.60): VN051713.D (-1853) (-)

8.03

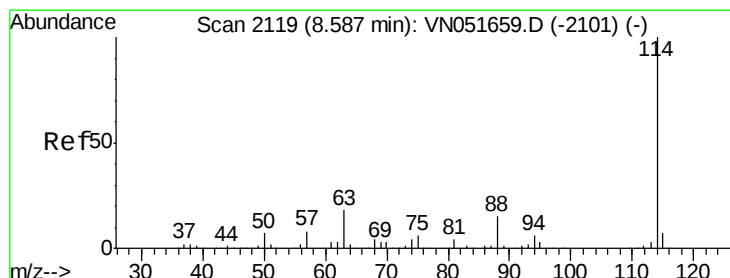
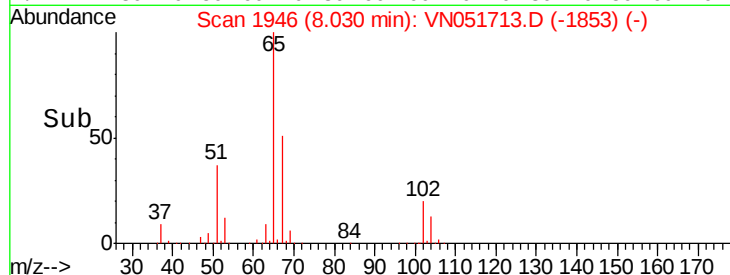
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051713.D

Acq: 6 Oct 2018 2:31

Tgt Ion: 114 Resp: 994731

Ion Ratio Lower Upper

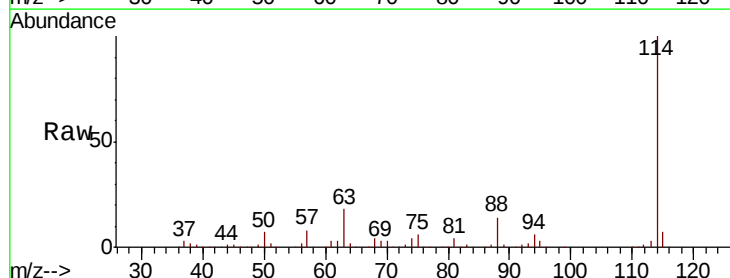
114 100

63 18.3

0.0 36.2

88 14.1

0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN051713.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN051713.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN051713.D (-2026) (-)

8.59

600000

500000

400000

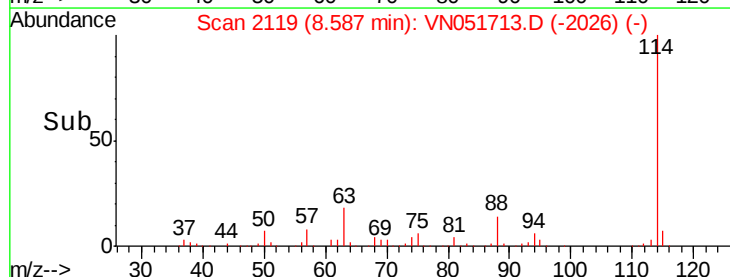
300000

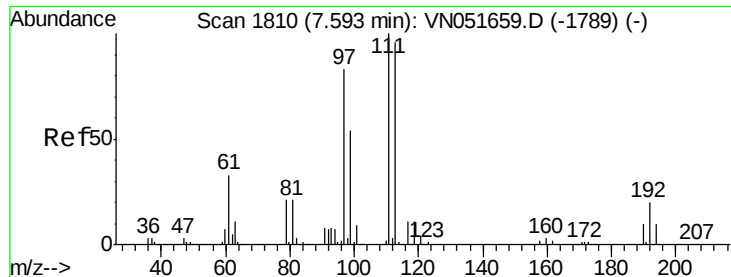
200000

100000

0

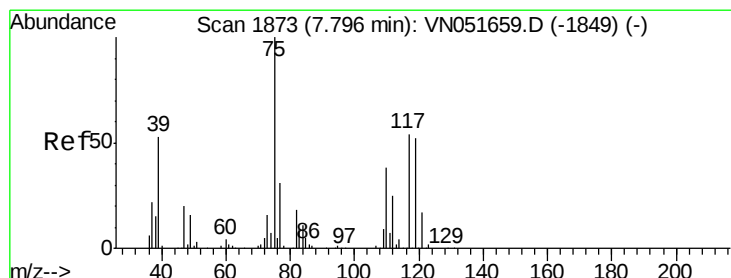
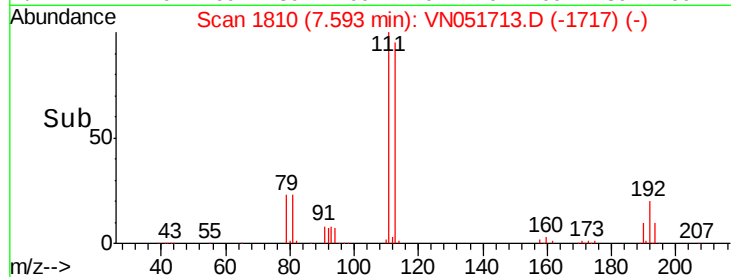
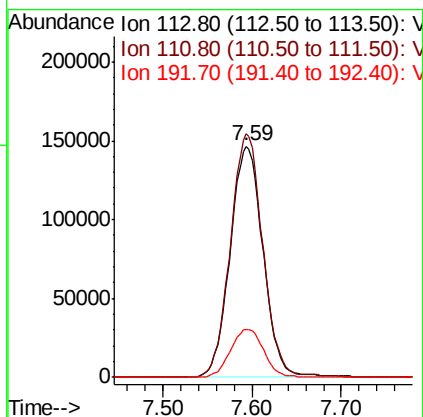
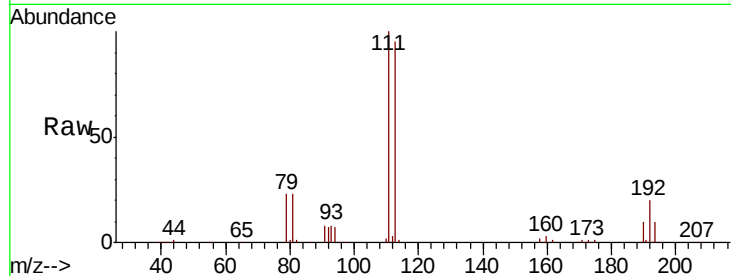
Time-->





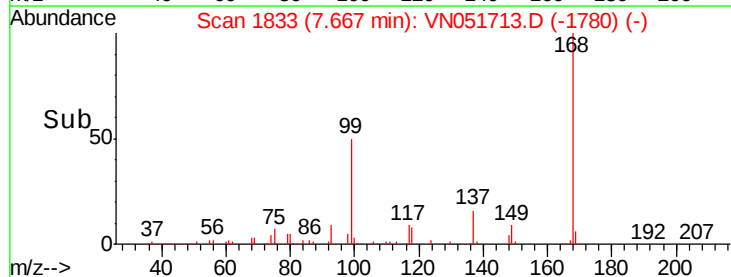
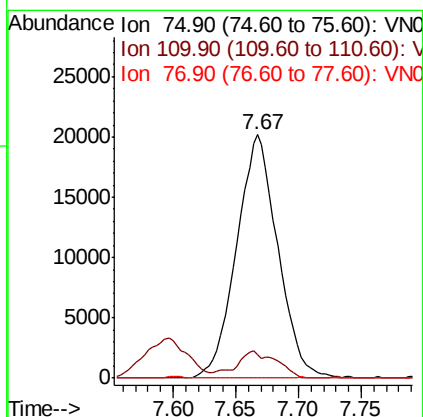
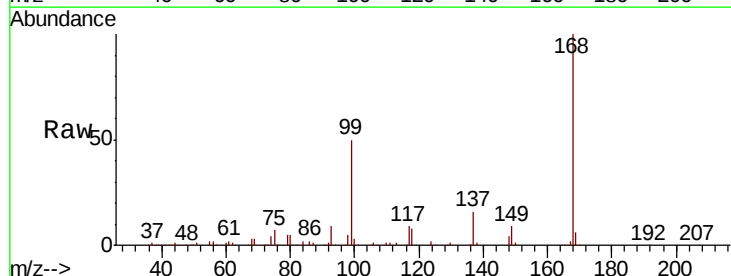
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051713.D
Acq: 6 Oct 2018 2:31

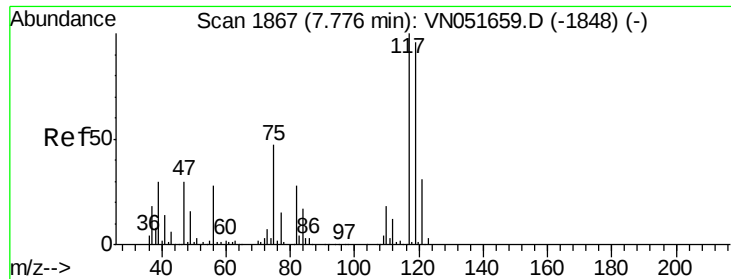
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.8	122.8
192	20.9	16.5	24.7



#36
1,1-Dichloropropene
Concen: 4.431 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN051713.D
Acq: 6 Oct 2018 2:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	19.3	57.8#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 4.965 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051713.D

Acq: 6 Oct 2018 2:31

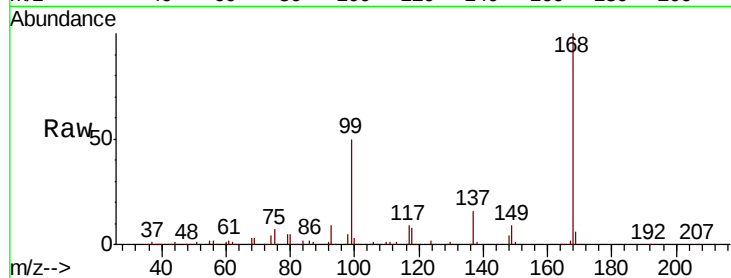
Tot Ion:117 Resp: 61939

Ion Ratio Lower Upper

117 100

119 3.6 77.0 115.6#

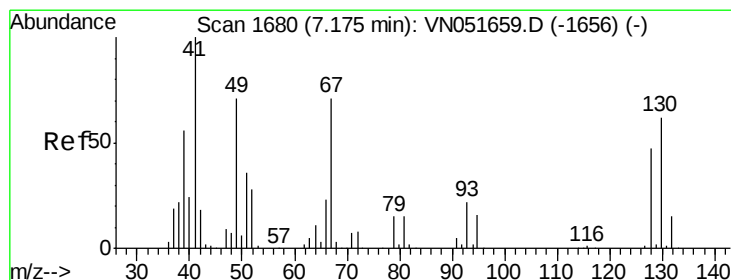
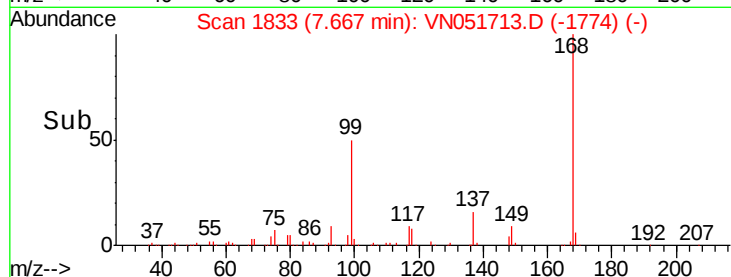
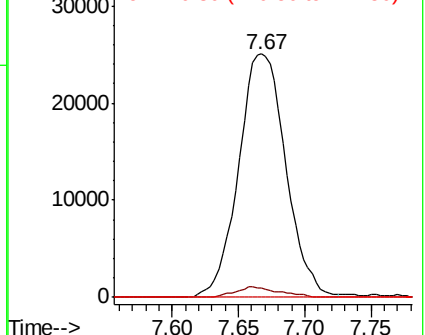
121 0.0 25.0 37.6#



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: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN051713.D

Acq: 6 Oct 2018 2:31

Tgt Ion: 41 Resp: 146

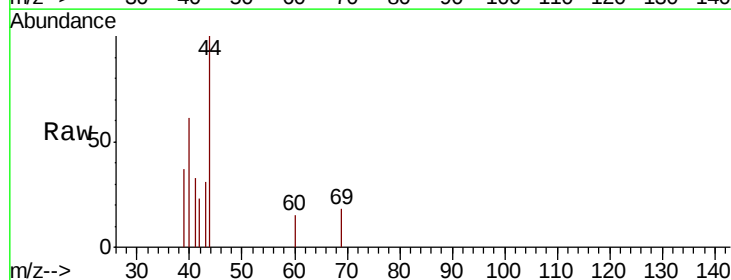
Ion Ratio Lower Upper

41 100

39 391.1 53.9 80.9#

67 0.0 78.1 117.1#

52 0.0 32.3 48.5#

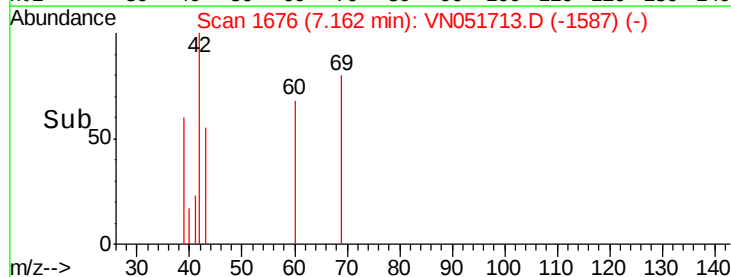
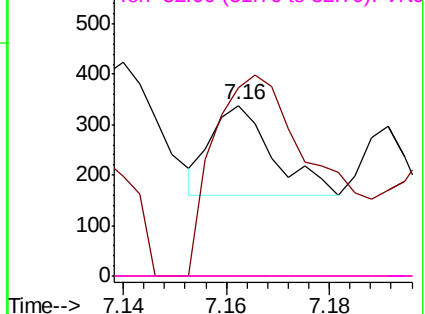


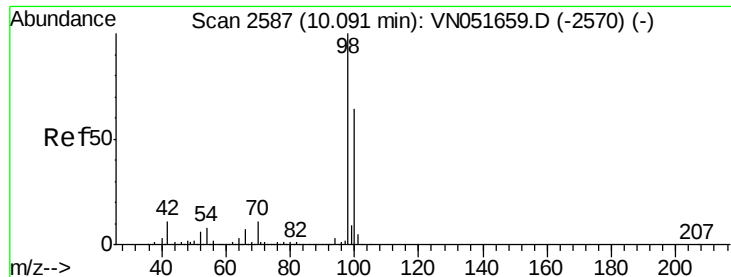
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

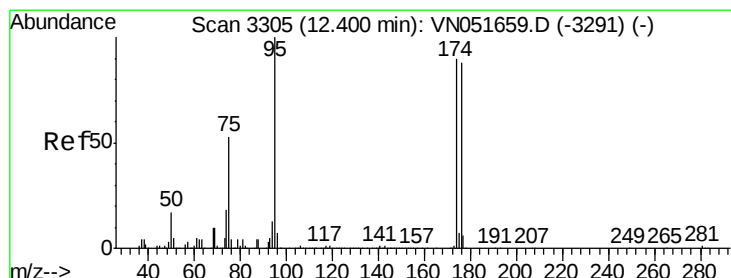
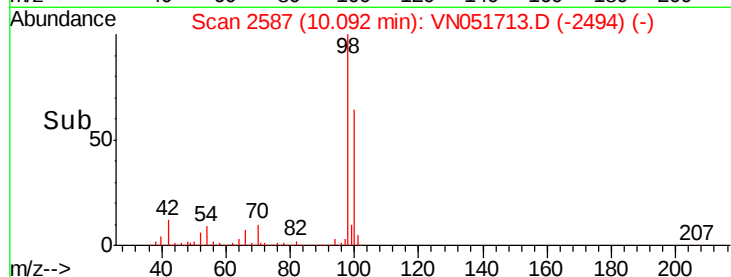
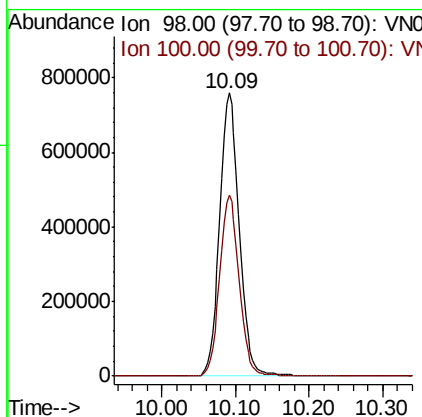
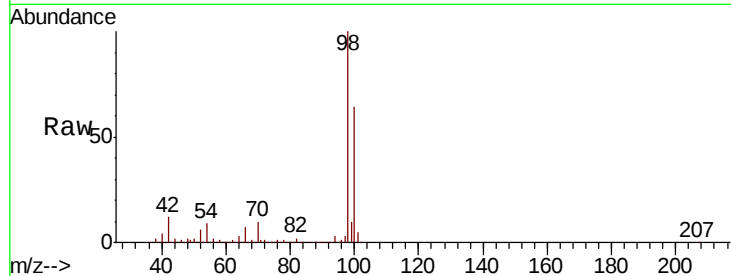
Ion 52.00 (51.70 to 52.70): VNO





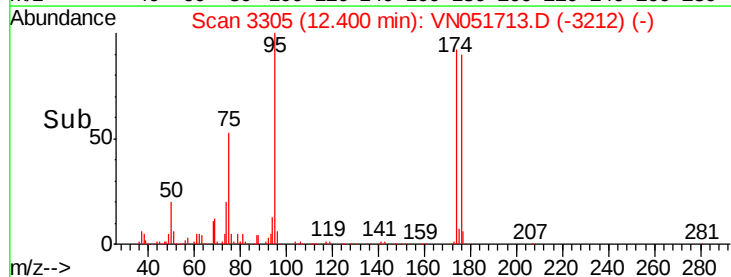
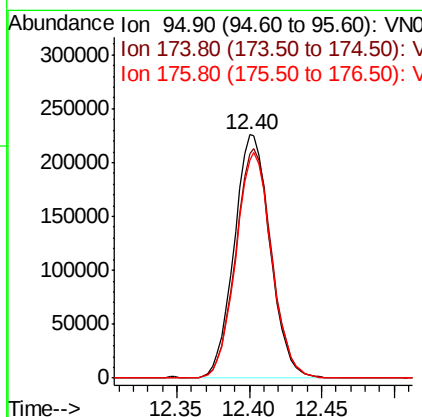
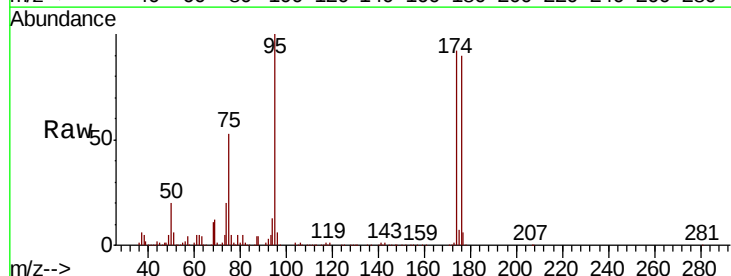
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051713.D
Acq: 6 Oct 2018 2:31

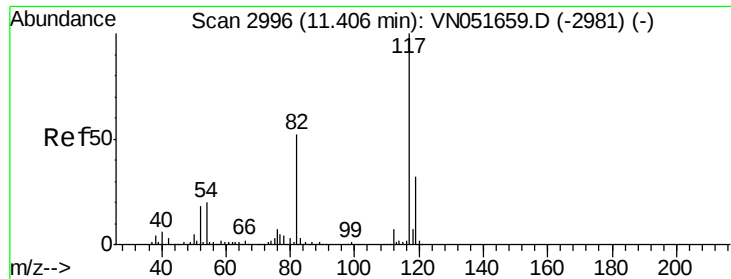
Tot Ion: 98 Resp: 1399355
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051713.D
Acq: 6 Oct 2018 2:31

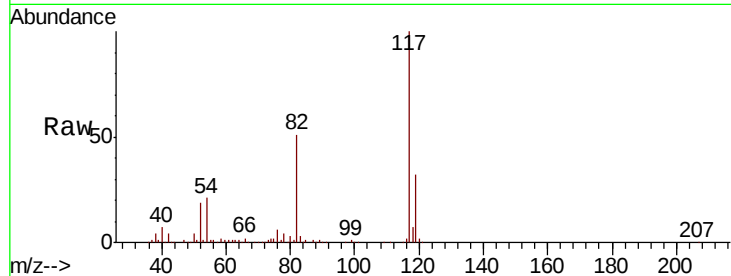
Tgt Ion: 95 Resp: 387245
Ion Ratio Lower Upper
95 100
174 95.1 0.0 182.8
176 92.4 0.0 176.4



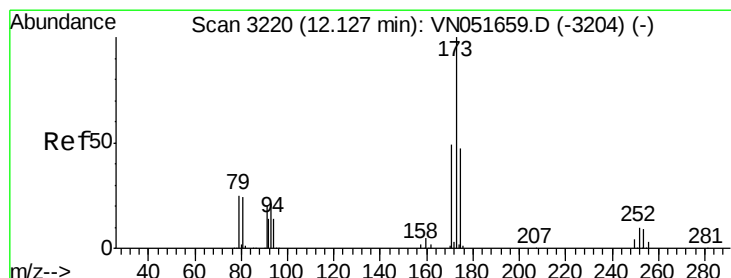
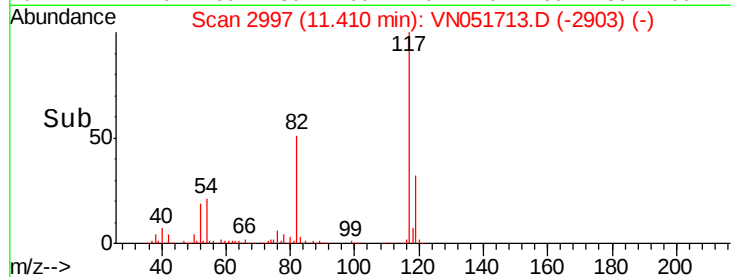
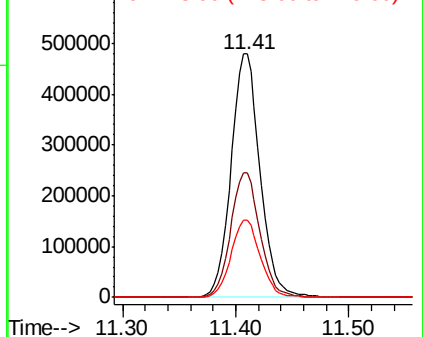


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051713.D
Acq: 6 Oct 2018 2:31

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.3	61.9
119	31.8	25.9	38.9

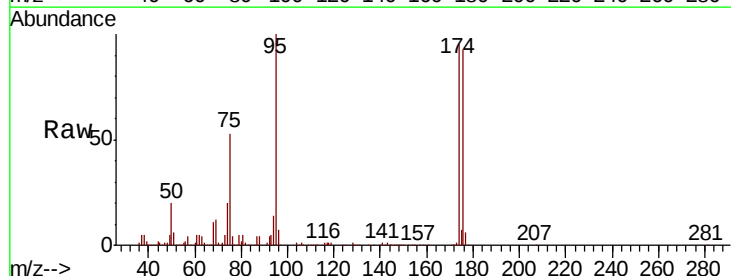


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

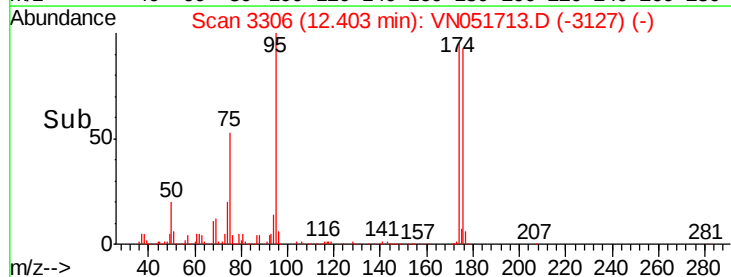
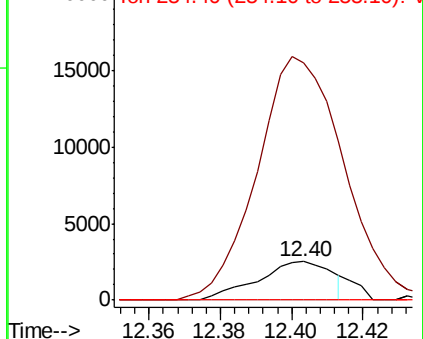


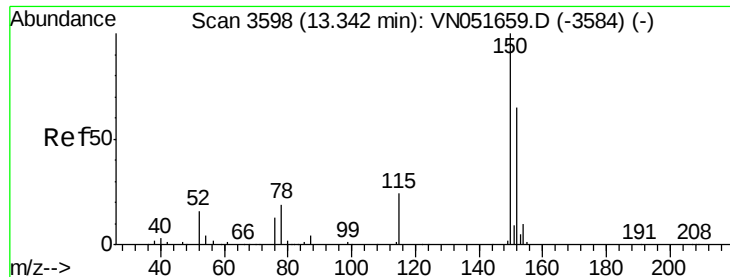
#71
Bromoform
Concen: 0.574 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051713.D
Acq: 6 Oct 2018 2:31

Tgt Ion	Ratio	Lower	Upper
173	100		
175	632.4	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

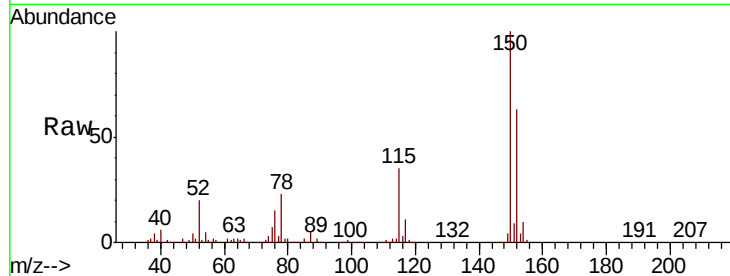




#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051713.D
Acq: 6 Oct 2018 2:31

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.7	28.6	85.8
150	156.3	0.0	352.4

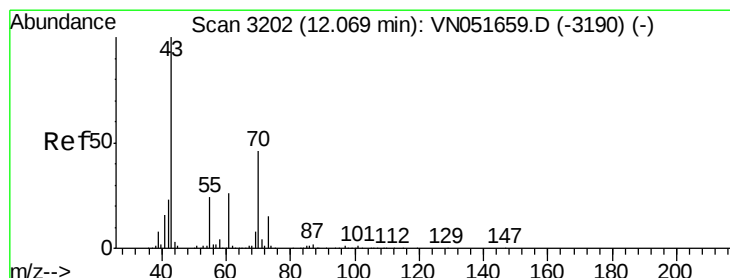
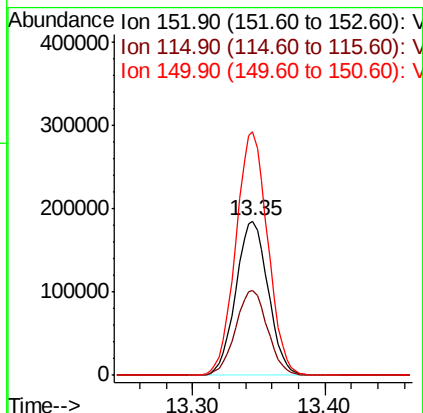
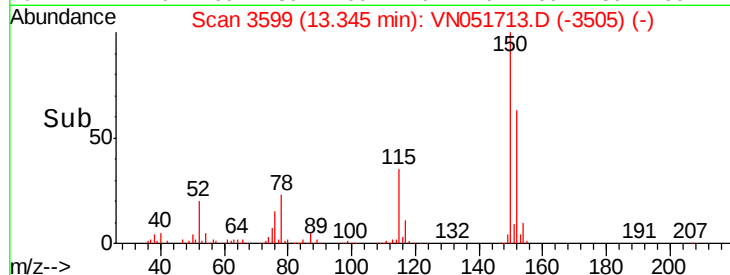


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

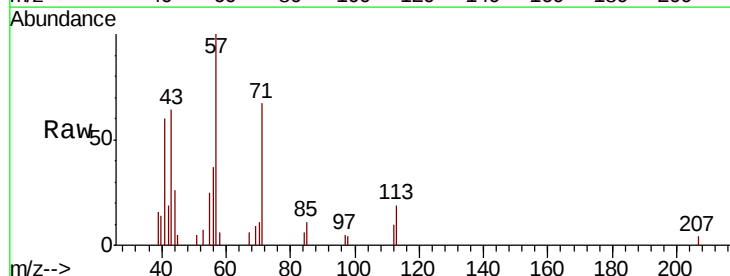
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate
Concen: Below Cal
RT: 12.04 min Scan# 3194
Delta R.T. -0.02 min
Lab File: VN051713.D
Acq: 6 Oct 2018 2:31

Tgt Ion	Ratio	Lower	Upper
43	100		
70	23.9	37.1	55.7#
55	13.1	19.1	28.7#
61	0.0	20.8	31.2#



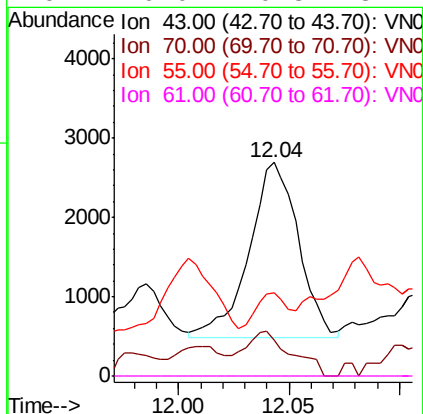
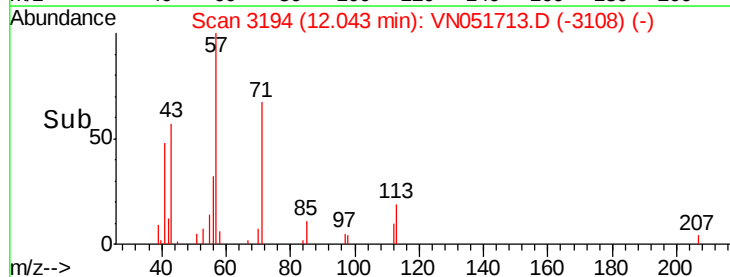
Abundance

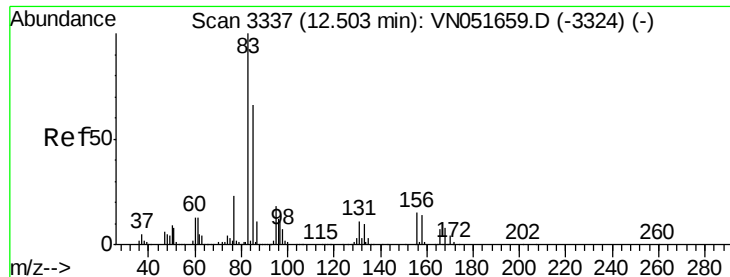
Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.48 min Scan# 3329

Delta R.T. -0.02 min

Lab File: VN051713.D

Acq: 6 Oct 2018 2:31

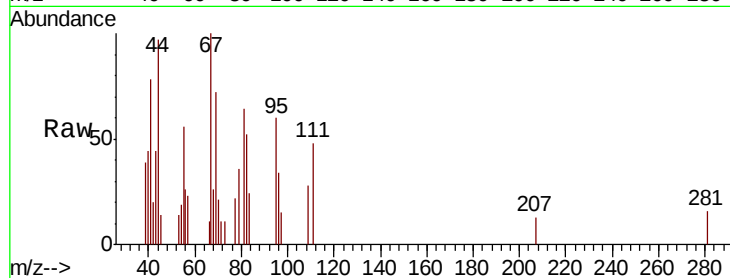
Tot Ion: 83 Resp: 419

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

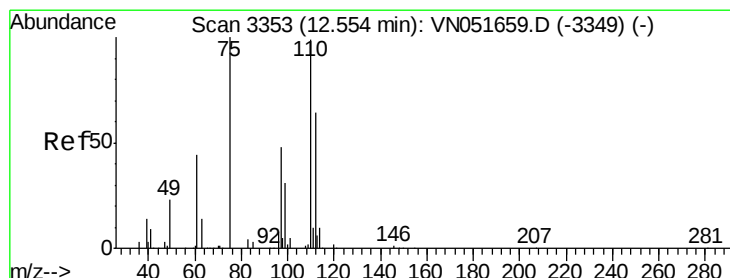
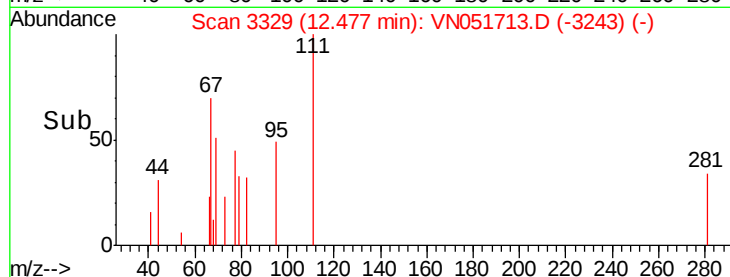
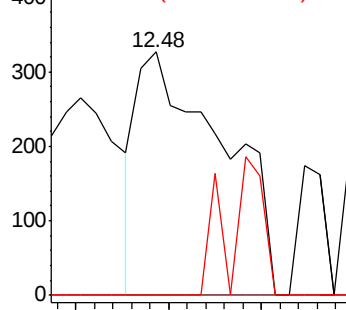
85 23.4 33.0 98.9#



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: 54.000 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051713.D

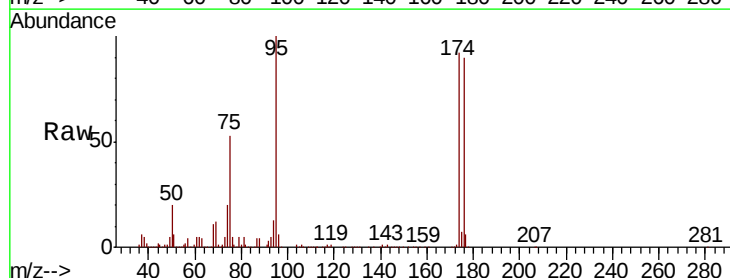
Acq: 6 Oct 2018 2:31

Tgt Ion: 75 Resp: 208697

Ion Ratio Lower Upper

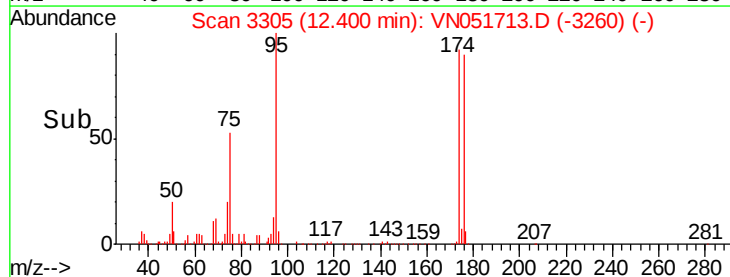
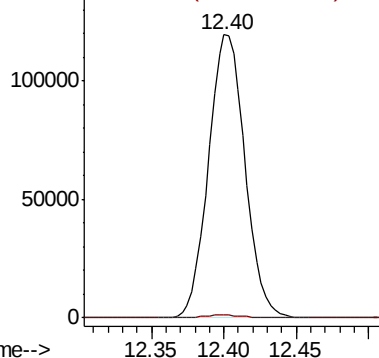
75 100

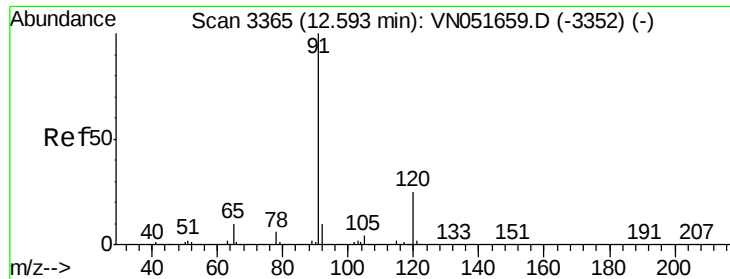
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

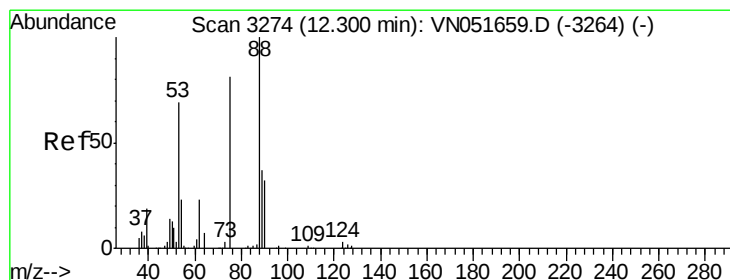
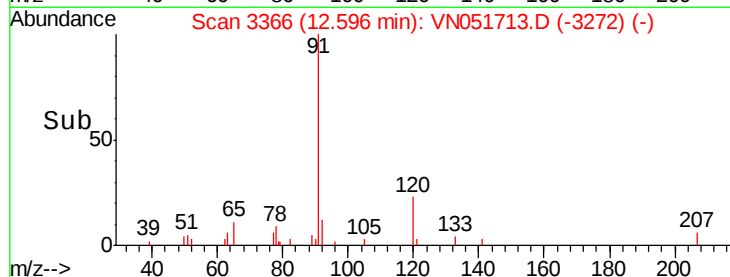
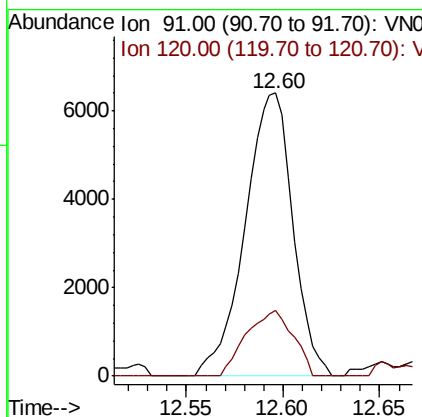
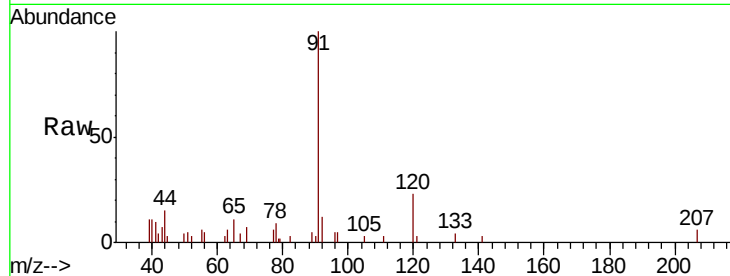
Ion 77.00 (76.70 to 77.70): VN0





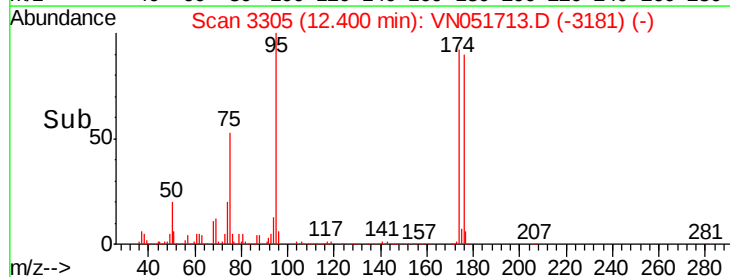
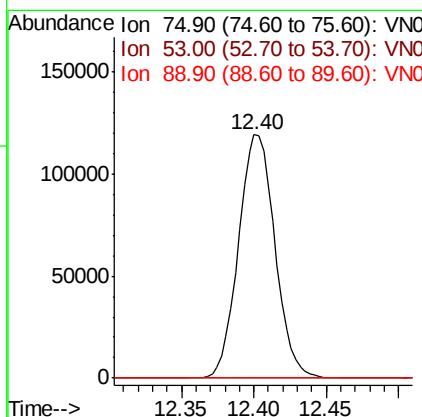
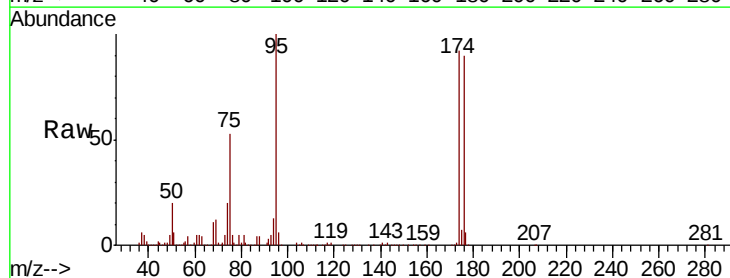
#78
n-propylbenzene
Concen: 0.378 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN051713.D
Acq: 6 Oct 2018 2:31

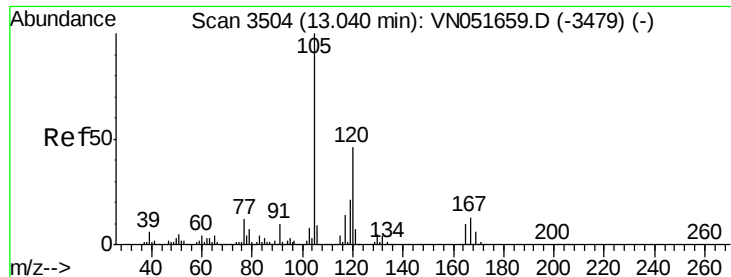
Tot Ion: 91 Resp: 11004
Ion Ratio Lower Upper
91 100
120 22.6 12.4 37.2



#81
trans-1,4-Dichloro-2-butene
Concen: 122.587 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN051713.D
Acq: 6 Oct 2018 2:31

Tgt Ion: 75 Resp: 208697
Ion Ratio Lower Upper
75 100
53 0.1 68.6 102.8#
89 0.0 39.4 59.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.872 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051713.D

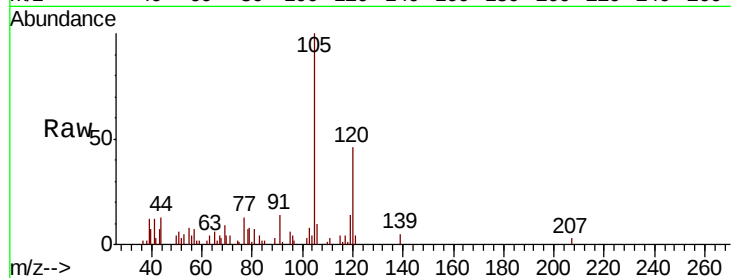
Acq: 6 Oct 2018 2:31

Tot Ion:105 Resp: 19634

Ion Ratio Lower Upper

105 100

120 47.5 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

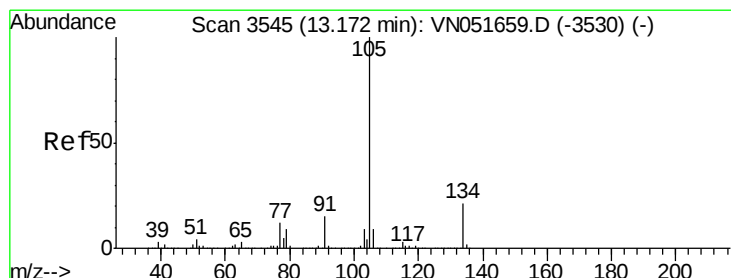
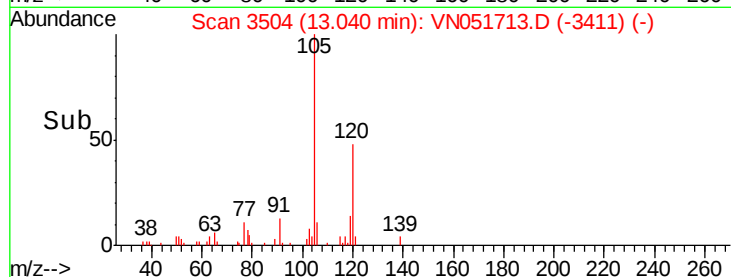
13.04

10000

5000

0

Time-->



#85

sec-Butylbenzene

Concen: 0.342 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051713.D

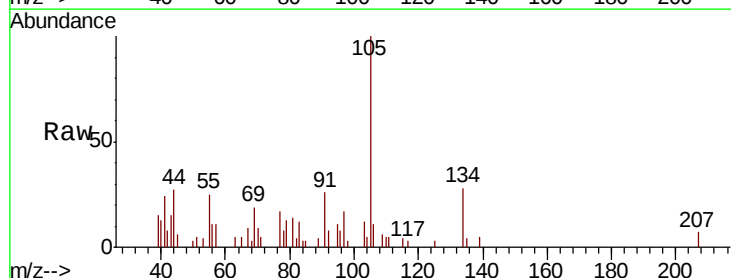
Acq: 6 Oct 2018 2:31

Tgt Ion:105 Resp: 9111

Ion Ratio Lower Upper

105 100

134 36.3 10.5 31.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

6000

5000

4000

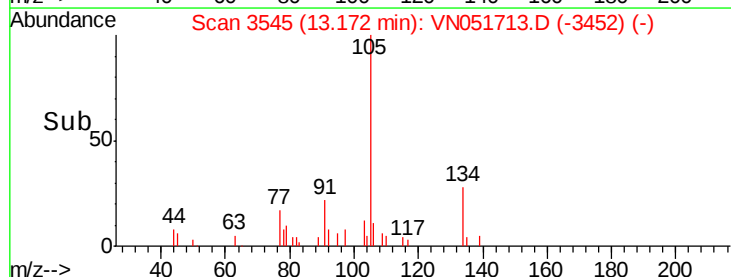
3000

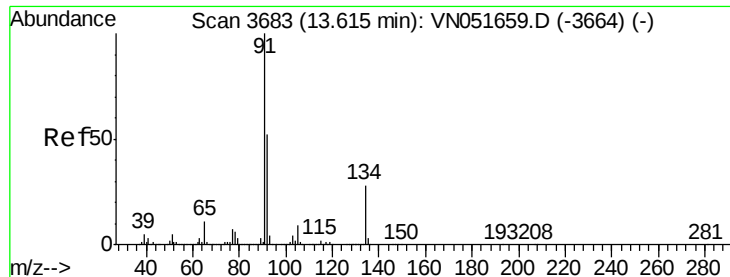
2000

1000

0

Time-->





#89
 n-Butylbenzene
 Concen: 0.302 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN051713.D
 Acq: 6 Oct 2018 2:31

Tot Ion:	91	Resp:	5646
Ion	Ratio	Lower	Upper
91	100		
92	42.9	26.0	78.0
134	48.8	14.2	42.6#

