

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050113.D
 Acq On : 27 Jul 2018 4:54
 Operator : MD\SY
 Sample : J4184-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6B

Quant Time: Jul 27 07:56:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	721742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1112357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	996187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	538414	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	467609	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
35) Dibromofluoromethane	7.59	113	418886	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
50) Toluene-d8	10.09	98	1578248	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
62) 4-Bromofluorobenzene	12.40	95	539868	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	131	Below Cal		95
11) Tert butyl alcohol	4.80	59	527	0.71 ug/l	#	72
13) Acrolein	3.62	56	264	0.44 ug/l	#	63
16) Acetone	3.82	43	269902	111.38 ug/l		99
17) Carbon Disulfide	4.05	76	7800	0.31 ug/l		100
18) Methyl Acetate	4.34	43	13613	Below Cal		99
20) Methylene Chloride	4.57	84	110	Below Cal	#	55
25) 2-Butanone	6.84	43	178017	46.35 ug/l		99
31) Cyclohexane	7.67	56	28843	2.01 ug/l	#	41
36) 1,1-Dichloropropene	7.67	75	50809	4.05 ug/l	#	48
37) Ethyl Acetate	6.84	43	178017	20.37 ug/l	#	68
38) Carbon Tetrachloride	7.67	117	63998	4.81 ug/l	#	16
39) Methylcyclohexane	9.08	83	51938	4.03 ug/l		99
40) Benzene	8.04	78	417294	10.94 ug/l		98
41) Methacrylonitrile	7.20	41	655	2.88 ug/l	#	10
42) 1,2-Dichloroethane	8.04	62	4014	0.32 ug/l		86
43) Isopropyl Acetate	8.26	43	168895	9.33 ug/l	#	61
51) 4-Methyl-2-Pentanone	9.99	43	3131	0.36 ug/l		95
52) Toluene	10.16	92	2393966	106.35 ug/l		100
53) t-1,3-Dichloropropene	10.16	75	27649	2.21 ug/l	#	1
55) 1,1,2-Trichloroethane	10.54	97	7561	0.85 ug/l	#	19
56) Ethyl methacrylate	10.43	69	2746	2.25 ug/l	#	40
58) 2-Chloroethyl Vinyl ether	9.71	63	32	8.53 ug/l	#	48
59) 2-Hexanone	10.73	43	4690	5.90 ug/l	#	24
67) Ethyl Benzene	11.51	91	5792926	143.31 ug/l		99
68) m/p-Xylenes	11.62	106	5280649	345.38 ug/l		100
69) o-Xylene	11.95	106	2435122	167.07 ug/l		100
70) Styrene	11.97	104	1893738	72.63 ug/l		89
73) Isopropylbenzene	12.25	105	549349	13.16 ug/l		99
74) N-amyl acetate	12.05	43	5257	0.41 ug/l	#	51
75) 1,1,2,2-Tetrachloroethane	12.52	83	236	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.66	75	47517	4.75 ug/l	#	100
78) n-propylbenzene	12.59	91	335872	7.20 ug/l		99
79) 2-Chlorotoluene	12.66	91	601385	20.79 ug/l	#	40

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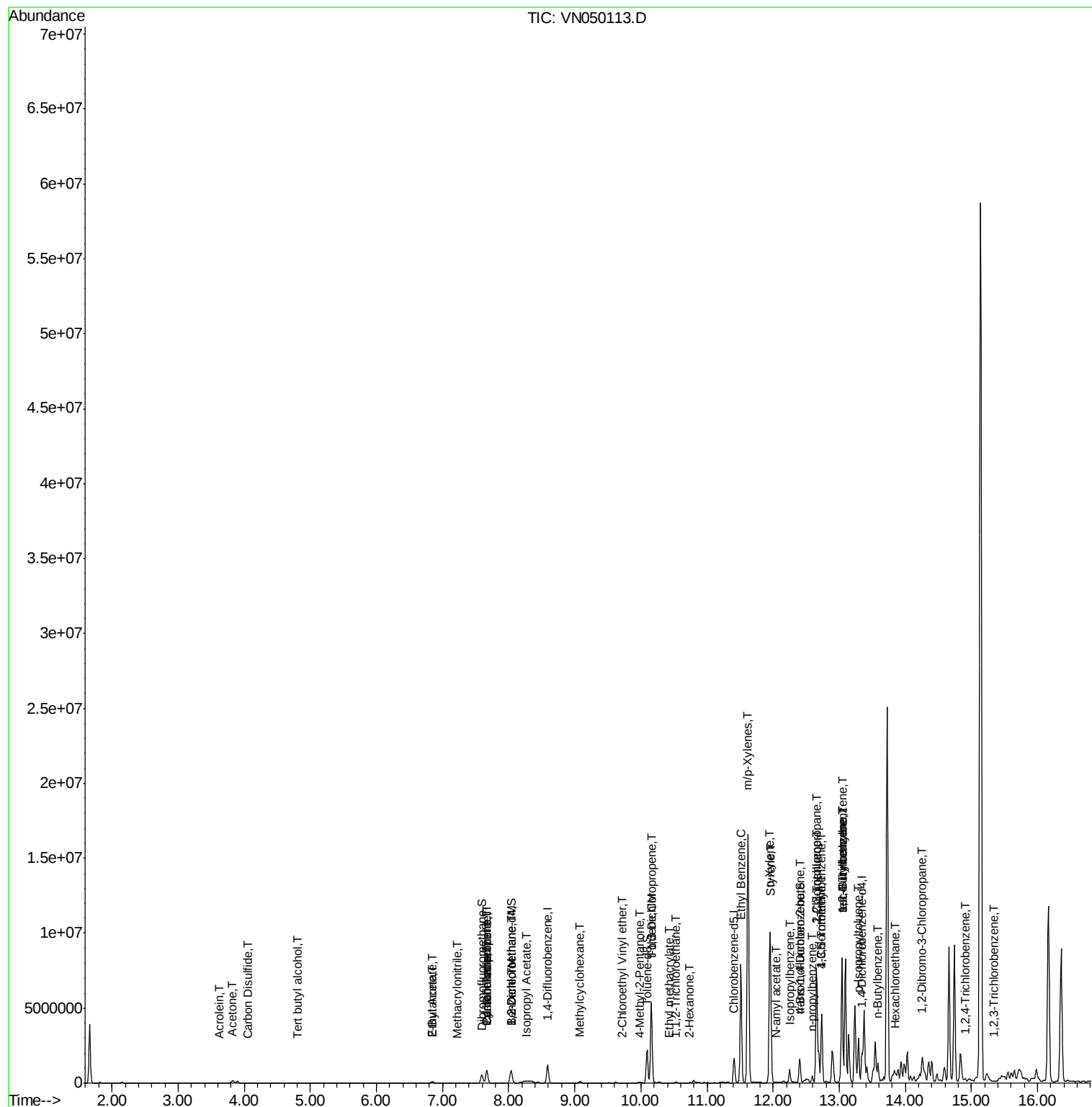
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	2412393	73.45	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	264706	83.91	ug/l #	13
82) 4-Chlorotoluene	12.73	91	246253	8.60	ug/l #	41
83) tert-Butylbenzene	13.04	119	601358	20.98	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.04	105	4732412	142.94	ug/l	99
85) sec-Butylbenzene	13.04	105	4732412	123.56	ug/l #	56
86) p-Isopropyltoluene	13.29	119	1687412	52.29	ug/l	99
89) n-Butylbenzene	13.58	91	146977	5.54	ug/l #	1
90) Hexachloroethane	13.86	117	157739	22.01	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.26	75	26979	13.92	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	483	3.13	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.32	180	590	2.26	ug/l #	64

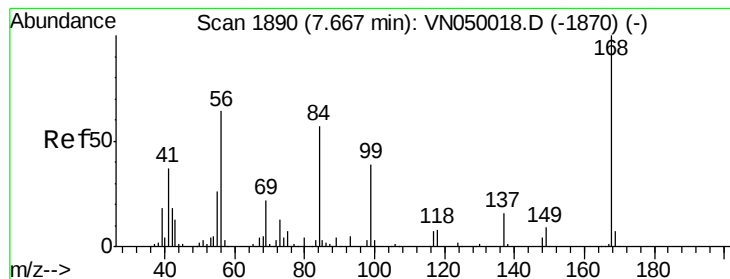
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

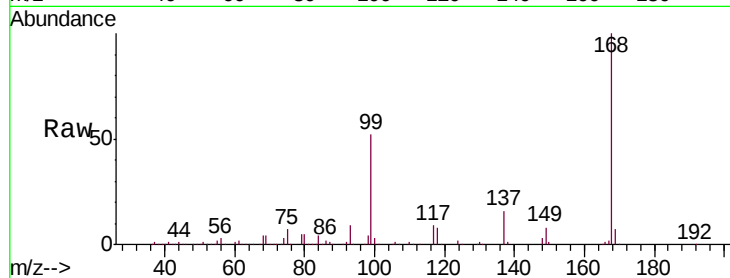
MW-6B

Tot Ion:168 Resp: 721742

Ion Ratio Lower Upper

168 100

99 52.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

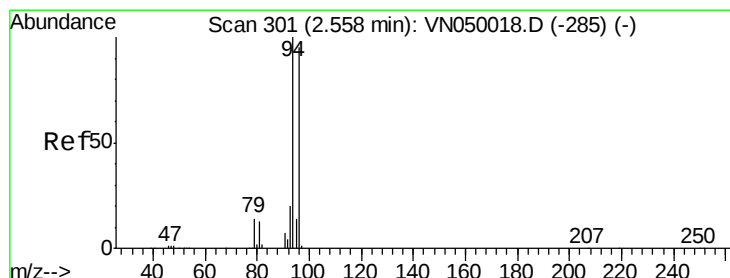
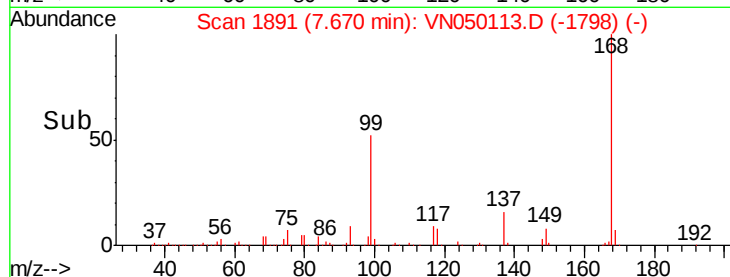
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050113.D

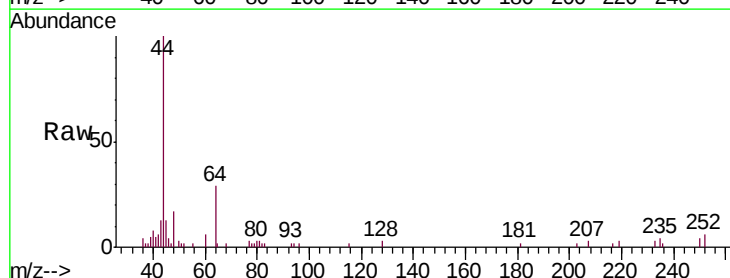
Acq: 27 Jul 2018 4:54

Tgt Ion: 94 Resp: 131

Ion Ratio Lower Upper

94 100

96 98.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

250

200

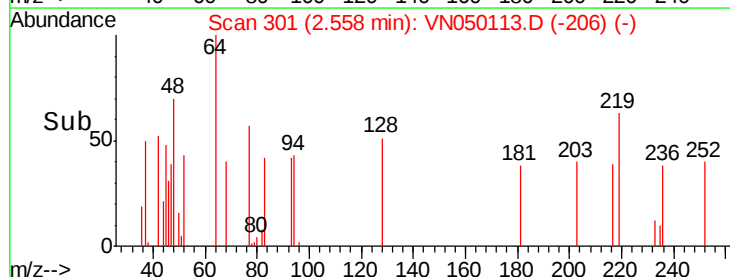
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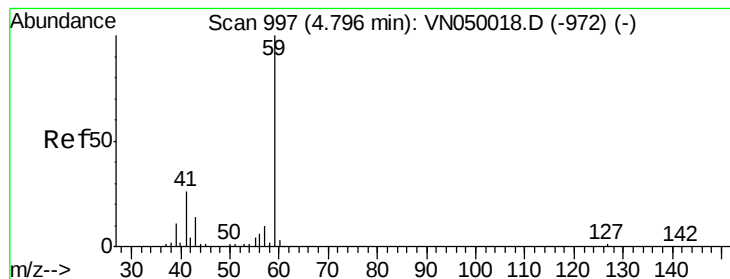
100

50

0

Time-->



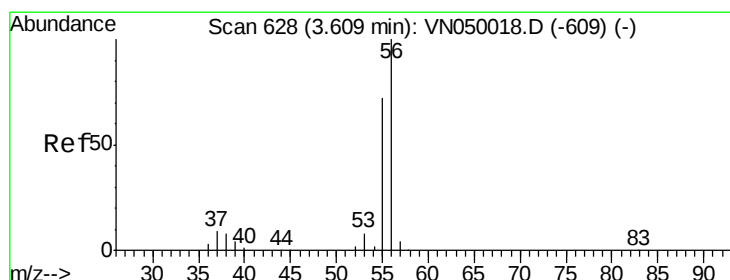
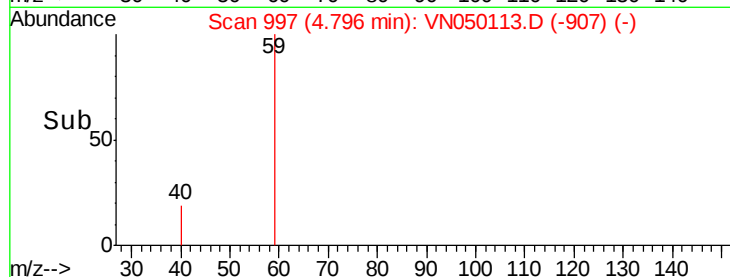
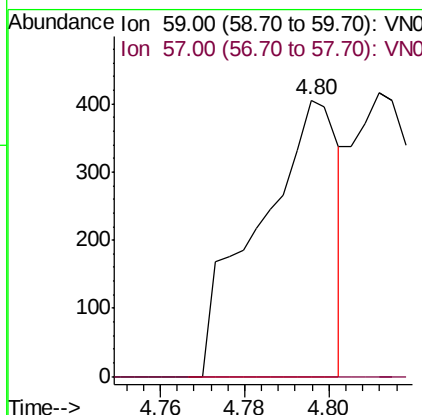
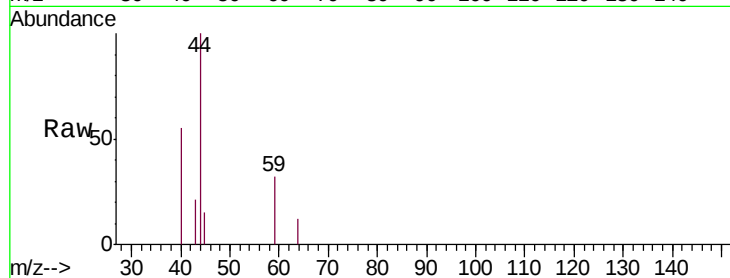


#11

Tert butyl alcohol
 Concen: 0.71 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: VN050113.D
 Acq: 27 Jul 2018 4:54

Instrument :
 MSVOA_N
 ClientSampled :
 MW-6B

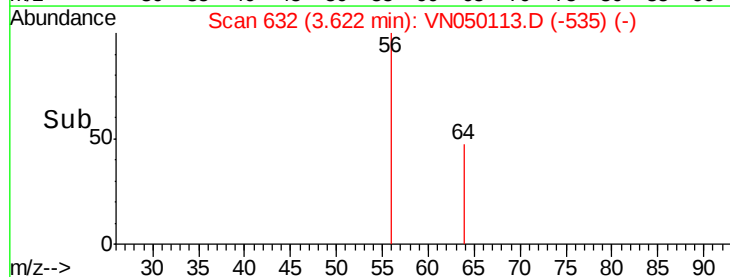
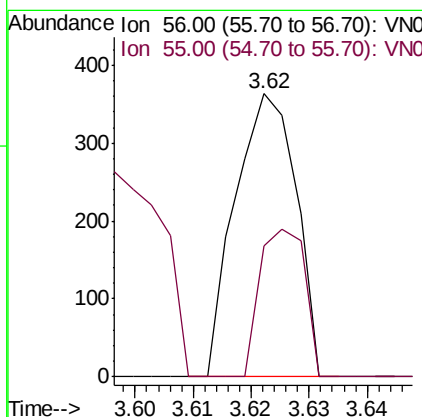
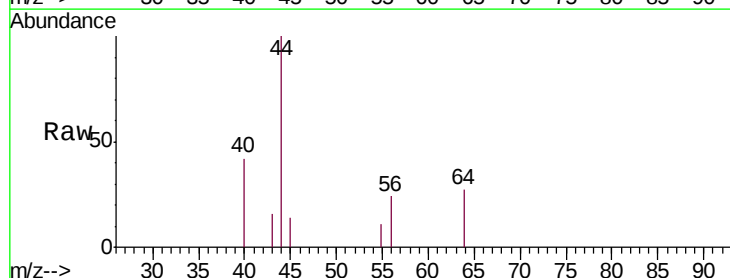
Tot Ion: 59 Resp: 527
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

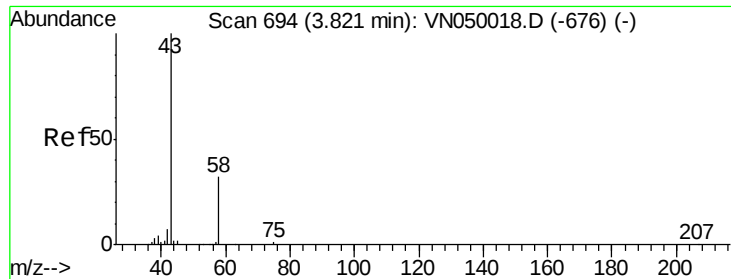


#13

Acrolein
 Concen: 0.44 ug/l
 RT: 3.62 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VN050113.D
 Acq: 27 Jul 2018 4:54

Tgt Ion: 56 Resp: 264
 Ion Ratio Lower Upper
 56 100
 55 39.0 55.8 83.6#





#16

Acetone

Concen: 111.38 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

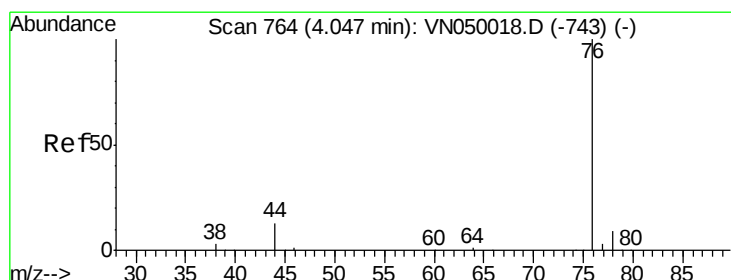
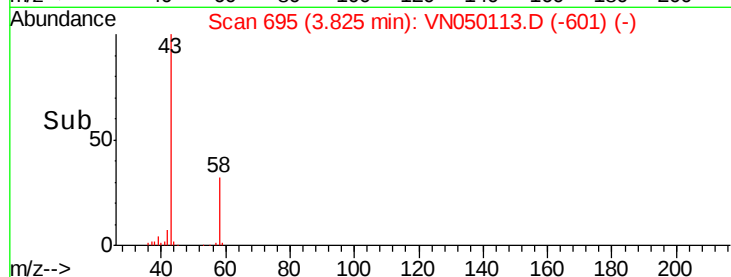
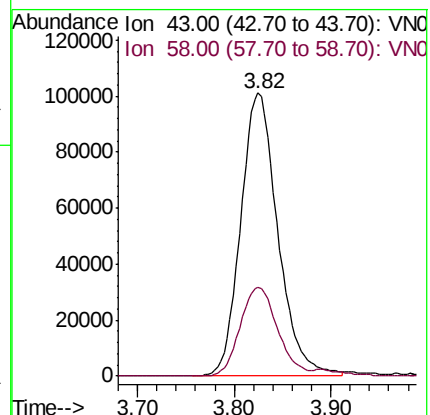
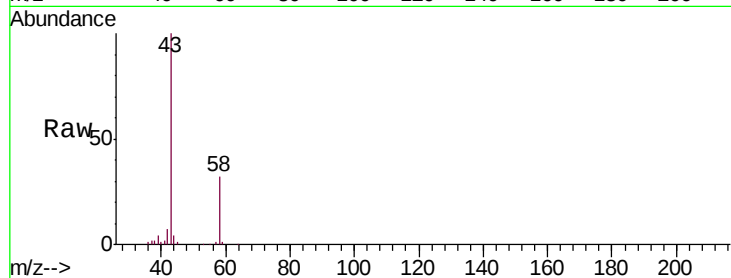
MW-6B

Tot Ion: 43 Resp: 269902

Ion Ratio Lower Upper

43 100

58 31.6 25.8 38.8



#17

Carbon Disulfide

Concen: 0.31 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050113.D

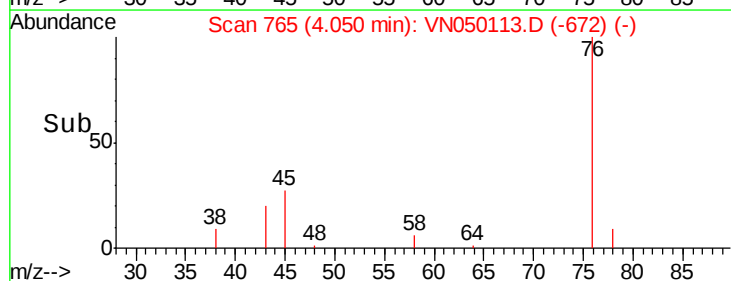
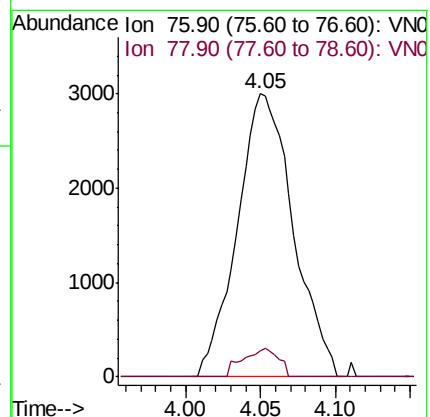
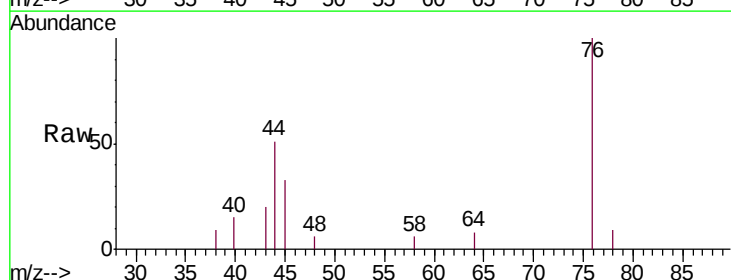
Acq: 27 Jul 2018 4:54

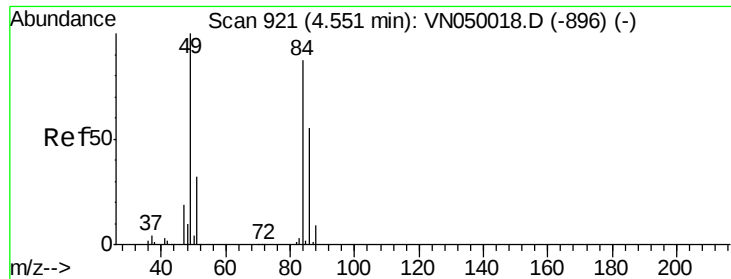
Tgt Ion: 76 Resp: 7800

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

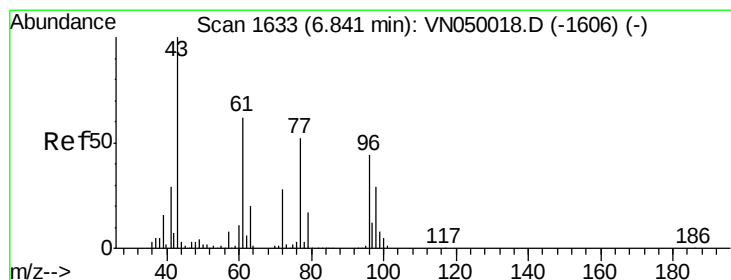
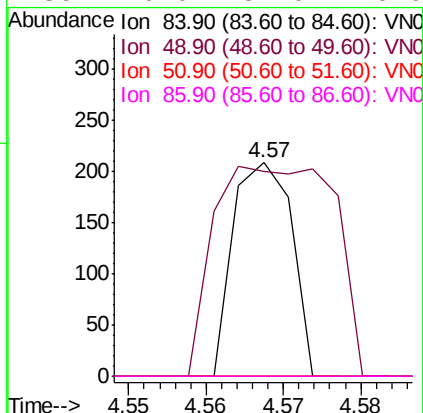
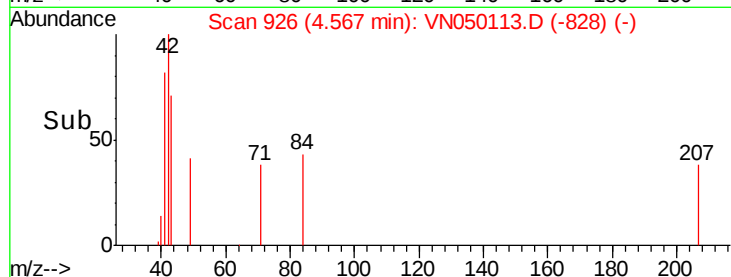
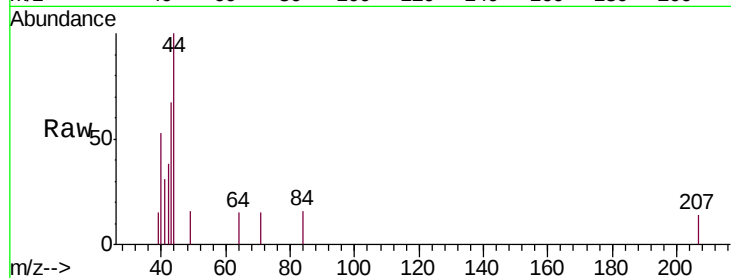




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.57 min Scan# 926
Delta R.T. 0.02 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

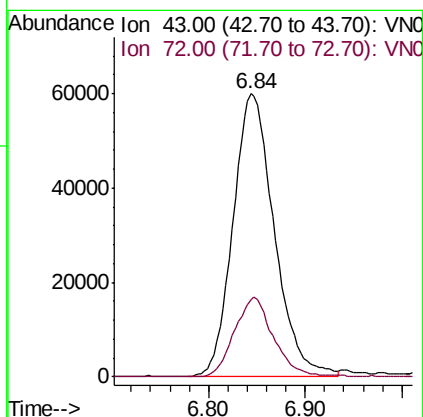
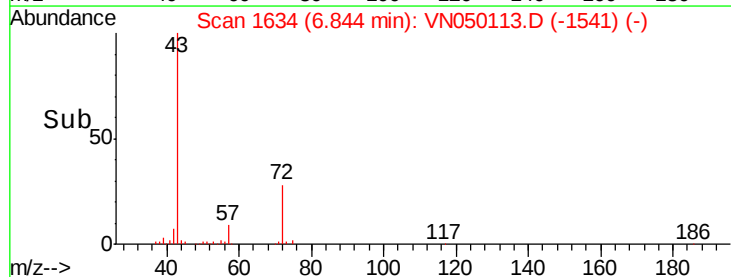
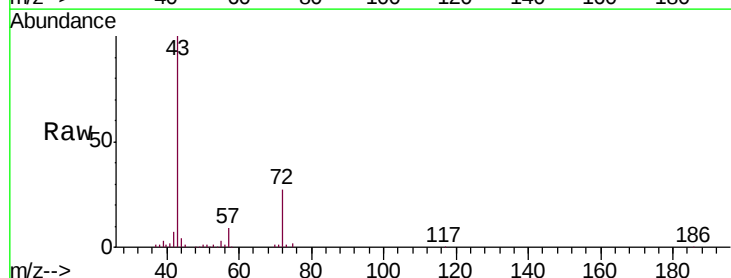
Instrument :
MSVOA_N
ClientSampled :
MW-6B

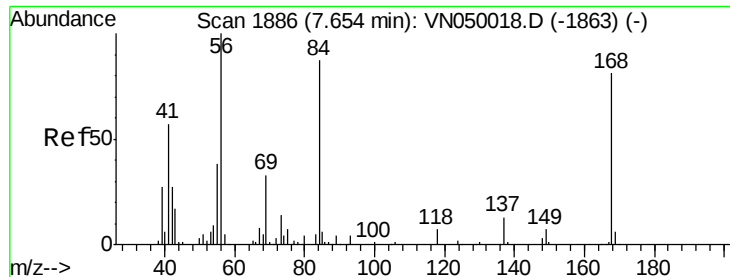
Tot Ion: 84 Resp: 110
Ion Ratio Lower Upper
84 100
49 95.7 94.8 142.2
51 0.0 28.3 42.5#
86 0.0 51.0 76.6#



#25
2-Butanone
Concen: 46.35 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Tgt Ion: 43 Resp: 178017
Ion Ratio Lower Upper
43 100
72 27.4 21.5 32.3

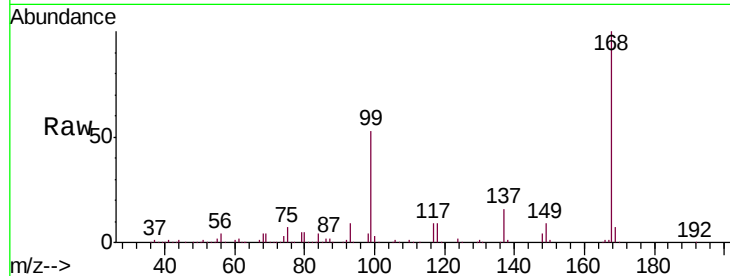




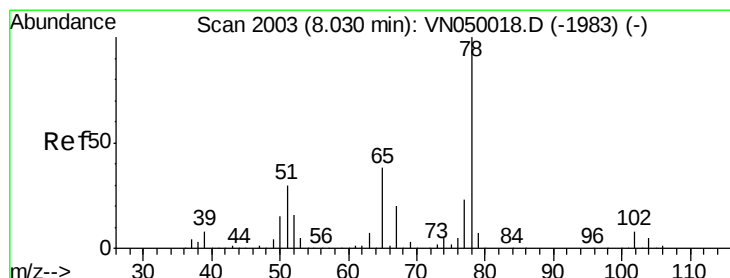
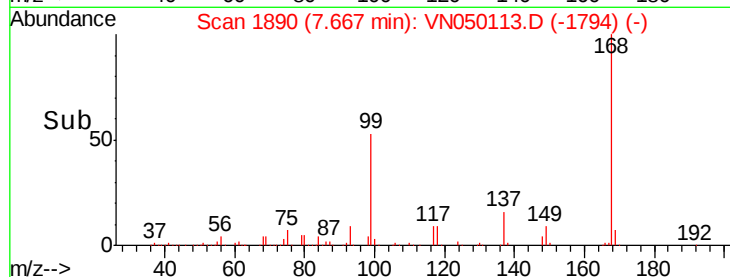
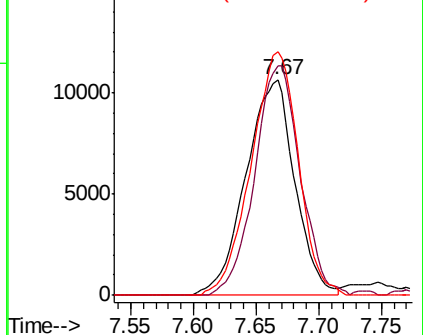
#31
Cyclohexane
Concen: 2.01 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Instrument :
MSVOA_N
ClientSampleId :
MW-6B

Tot Ion: 56 Resp: 28843
Ion Ratio Lower Upper
56 100
69 106.5 26.2 39.4#
84 112.8 67.4 101.0#

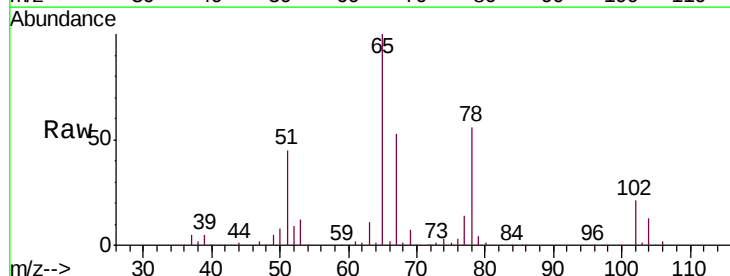


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

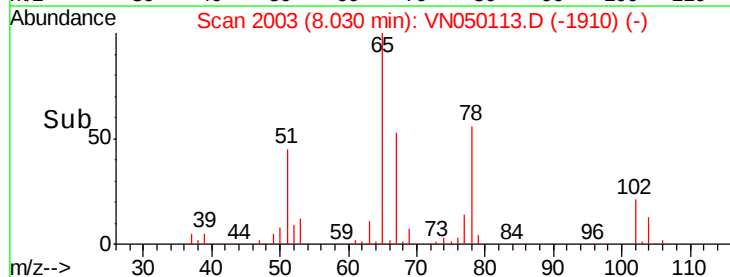
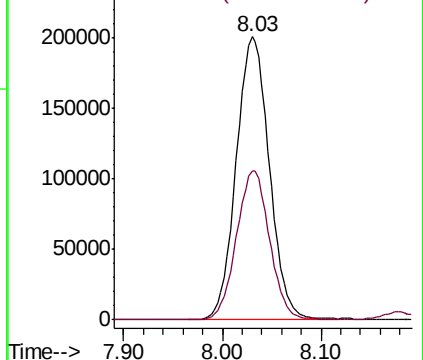


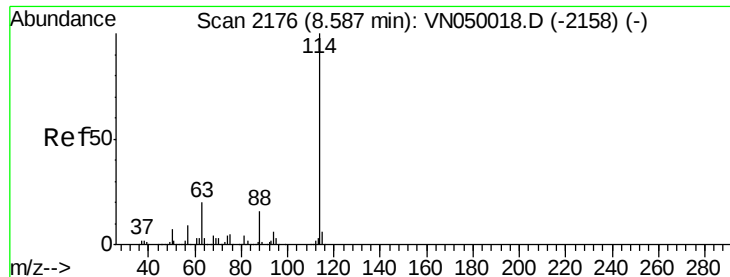
#33
1,2-Dichloroethane-d4
Concen: 46.44 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Tgt Ion: 65 Resp: 467609
Ion Ratio Lower Upper
65 100
67 52.6 0.0 108.4



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

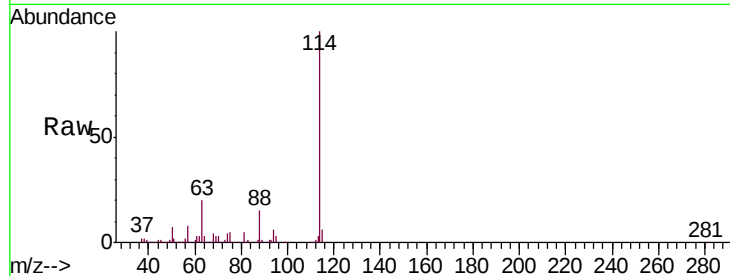




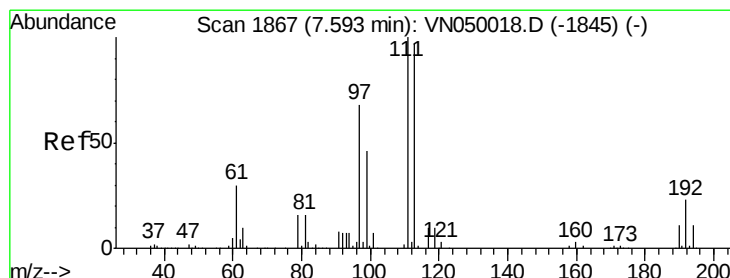
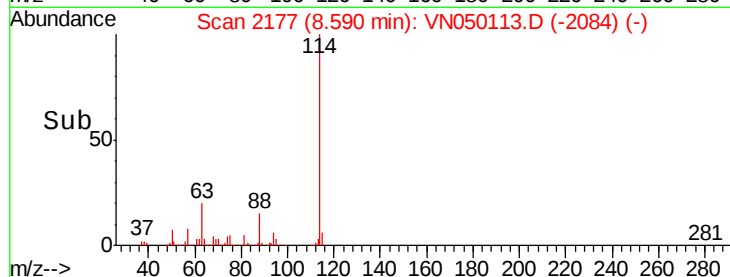
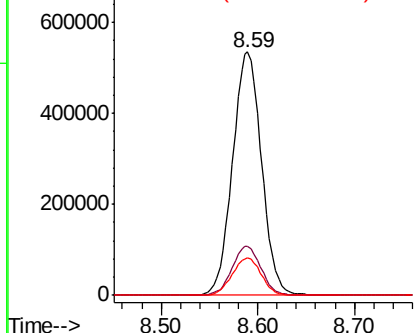
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050113.D
 Acq: 27 Jul 2018 4:54

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6B

Tot Ion:114 Resp: 1112357
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.4 0.0 31.2

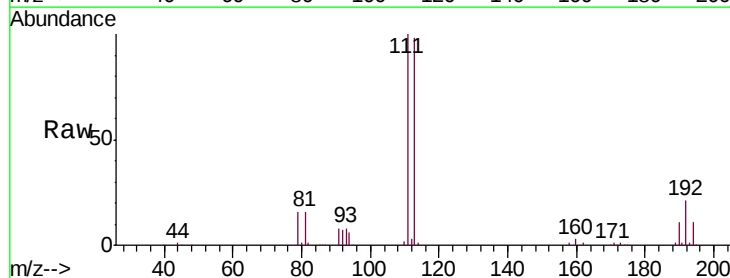


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 87.90 (87.60 to 88.60): VNO

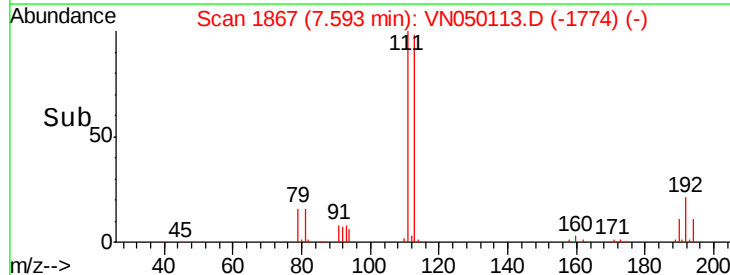
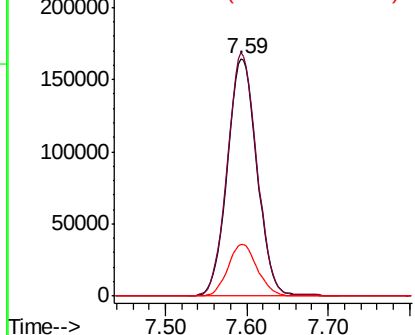


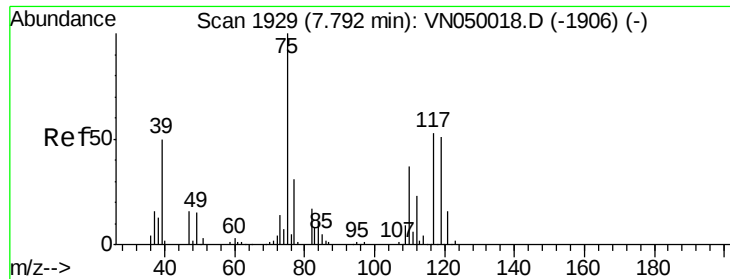
#35
 Dibromofluoromethane
 Concen: 46.12 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050113.D
 Acq: 27 Jul 2018 4:54

Tgt Ion:113 Resp: 418886
 Ion Ratio Lower Upper
 113 100
 111 102.1 80.7 121.1
 192 21.7 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

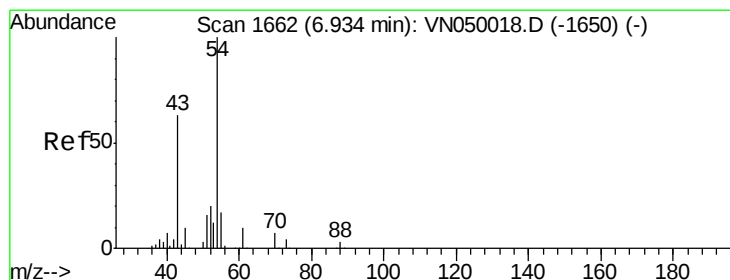
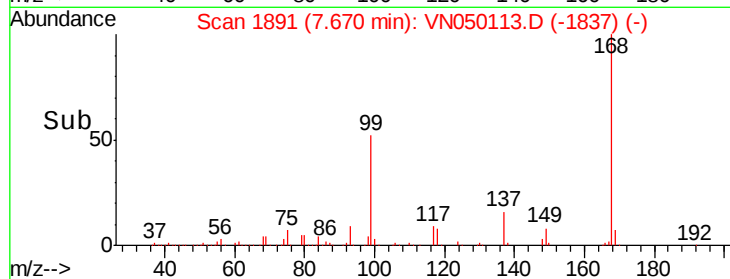
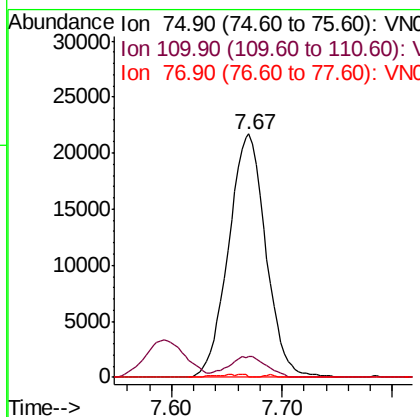
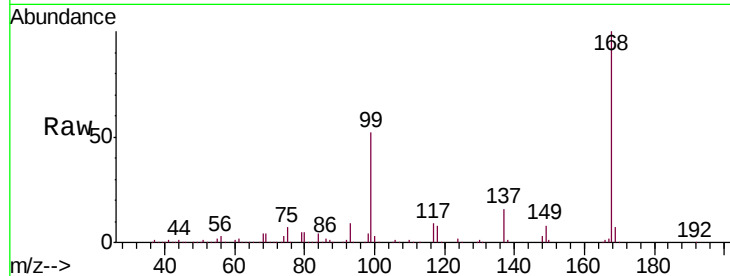




#36
 1,1-Dichloropropene
 Concen: 4.05 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050113.D
 Acq: 27 Jul 2018 4:54

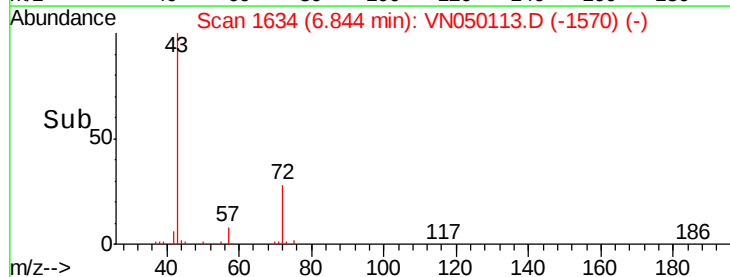
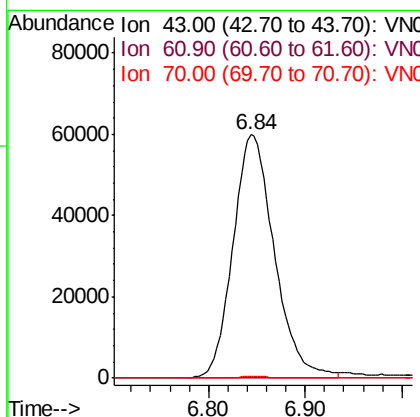
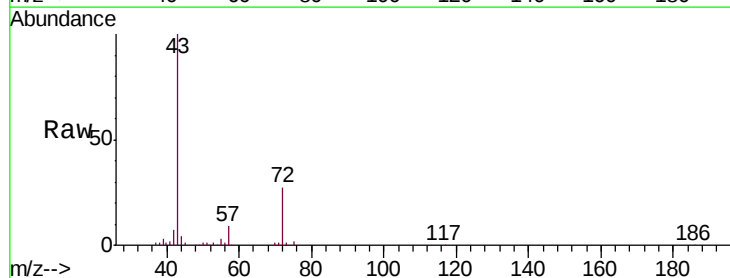
Instrument :
 MSVOA_N
 ClientSampled :
 MW-6B

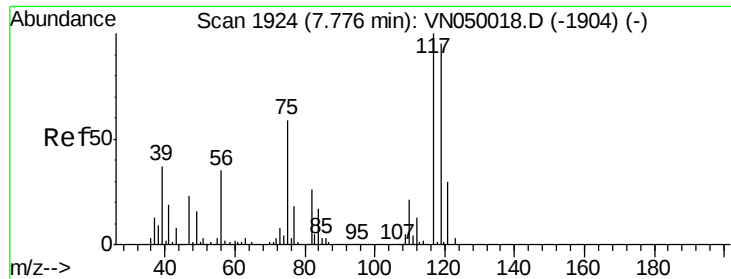
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.4	55.2#
77	0.0	25.3	37.9#



#37
 Ethyl Acetate
 Concen: 20.37 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.09 min
 Lab File: VN050113.D
 Acq: 27 Jul 2018 4:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.8#
70	0.4	8.4	12.6#

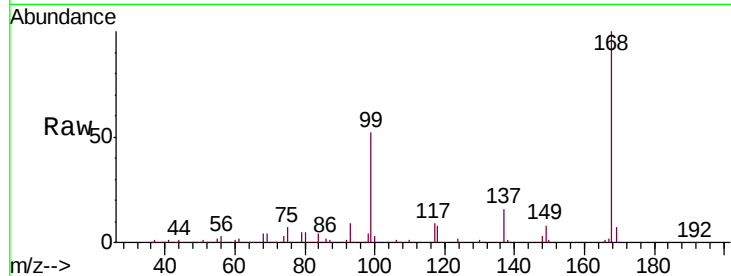




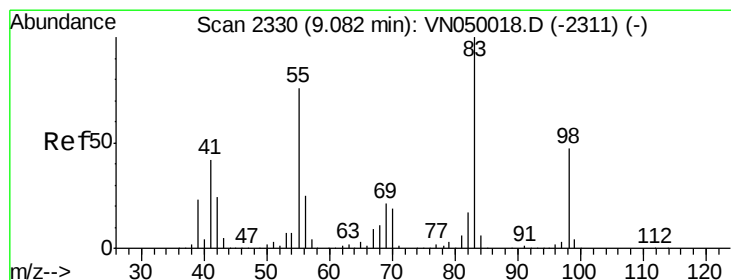
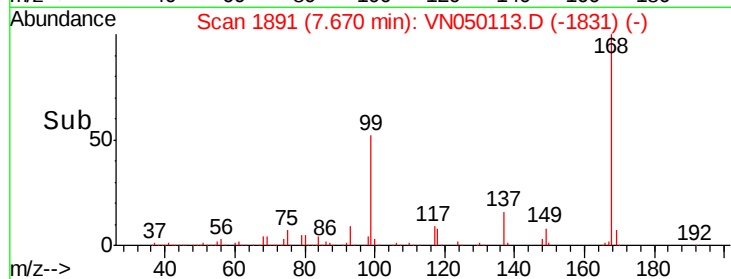
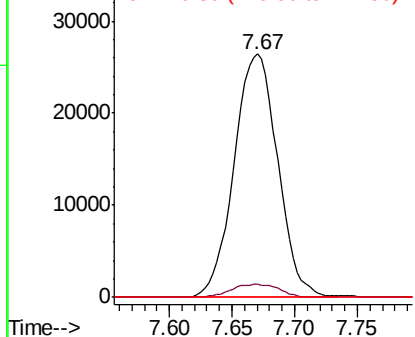
#38
Carbon Tetrachloride
Concen: 4.81 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Instrument :
MSVOA_N
ClientSampled :
MW-6B

Tot Ion:117 Resp: 63998
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.0#
121 0.0 23.9 35.9#

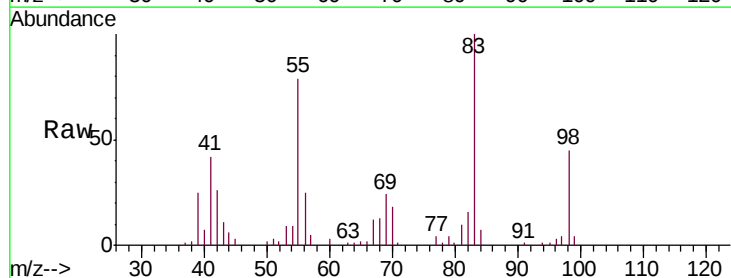


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

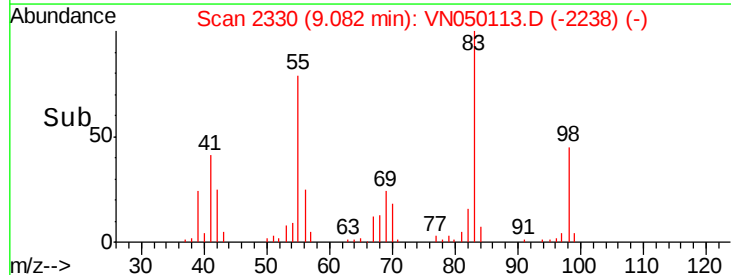
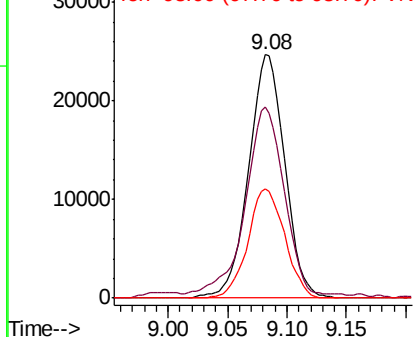


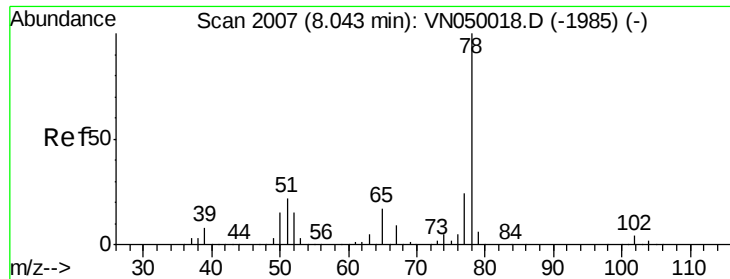
#39
Methylcyclohexane
Concen: 4.03 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Tgt Ion: 83 Resp: 51938
Ion Ratio Lower Upper
83 100
55 76.9 61.8 92.8
98 44.9 36.5 54.7



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 10.94 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

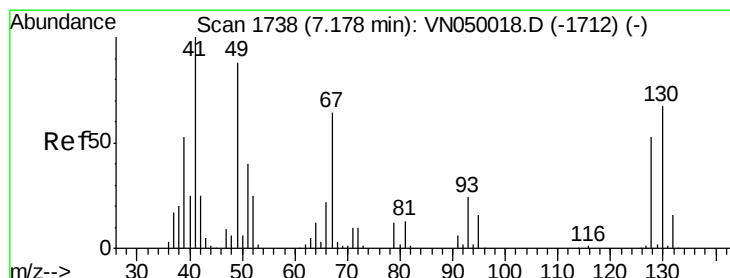
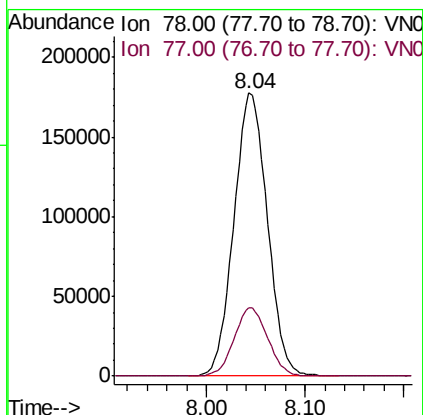
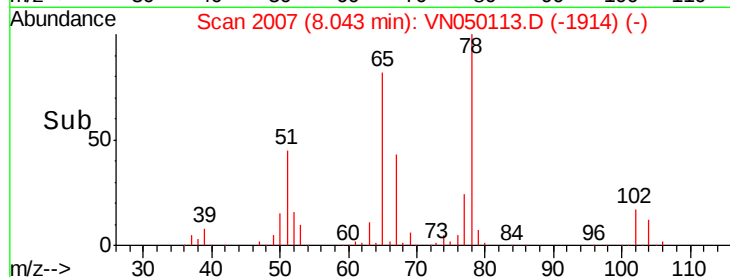
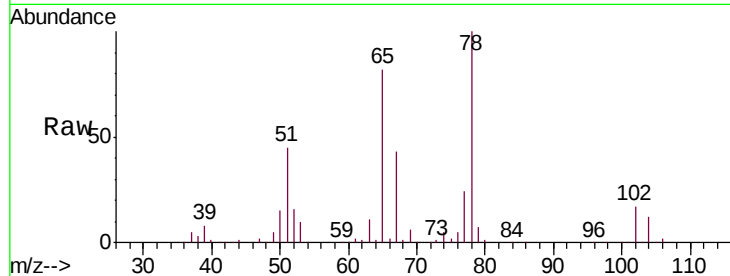
MW-6B

Tot Ion: 78 Resp: 417294

Ion Ratio Lower Upper

78 100

77 24.2 18.7 28.1



#41

Methacrylonitrile

Concen: 2.88 ug/l

RT: 7.20 min Scan# 1746

Delta R.T. 0.03 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Tgt Ion: 41 Resp: 655

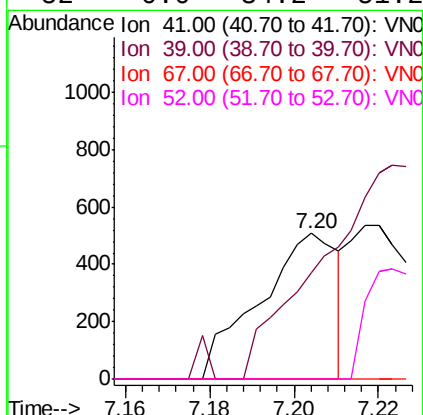
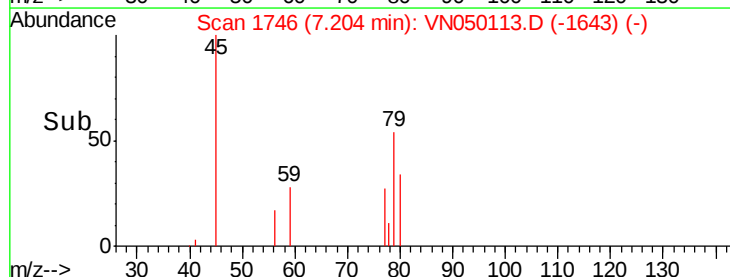
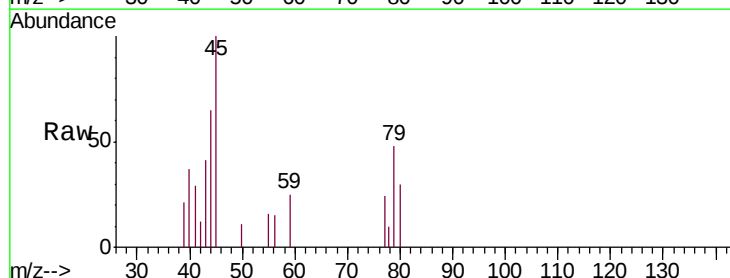
Ion Ratio Lower Upper

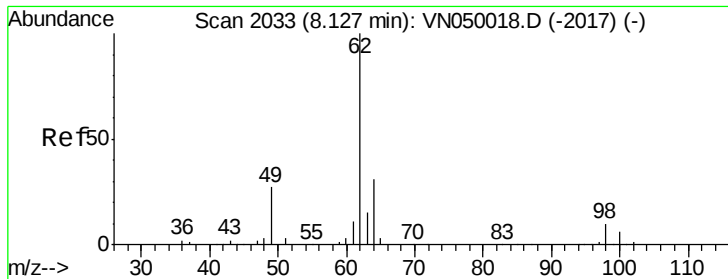
41 100

39 0.0 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#





#42

1,2-Dichloroethane

Concen: 0.32 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. -0.08 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampleId :

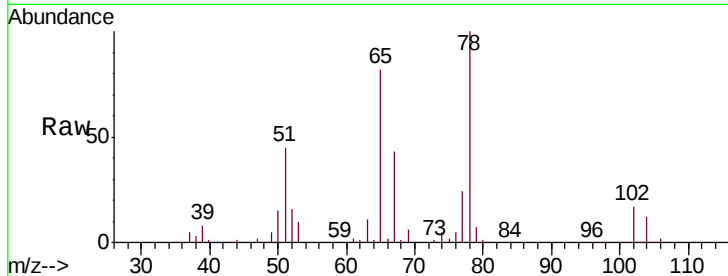
MW-6B

Tot Ion: 62 Resp: 4014

Ion Ratio Lower Upper

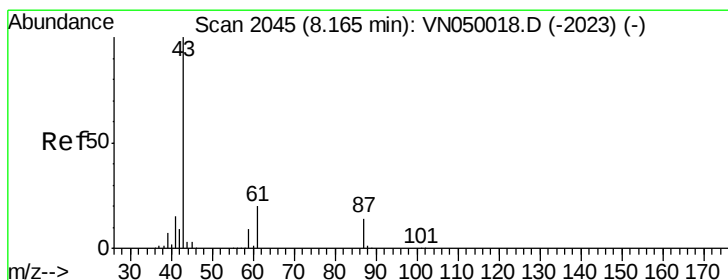
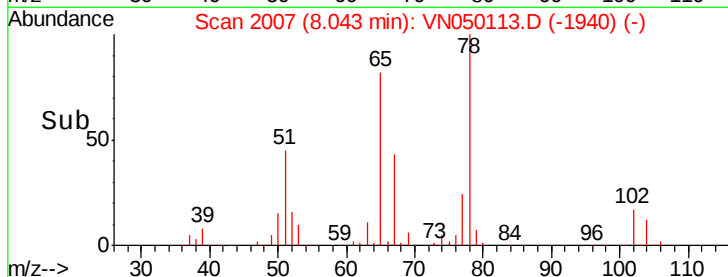
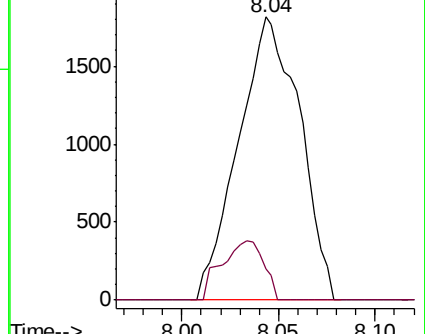
62 100

98 14.4 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#43

Isopropyl Acetate

Concen: 9.33 ug/l

RT: 8.26 min Scan# 2073

Delta R.T. 0.09 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

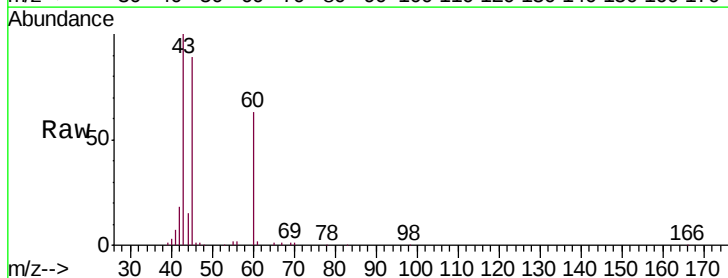
Tgt Ion: 43 Resp: 168895

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

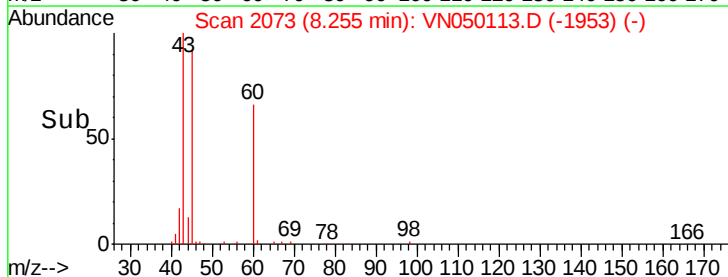
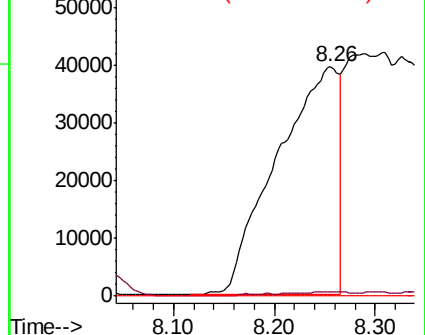
87 0.0 10.3 15.5#

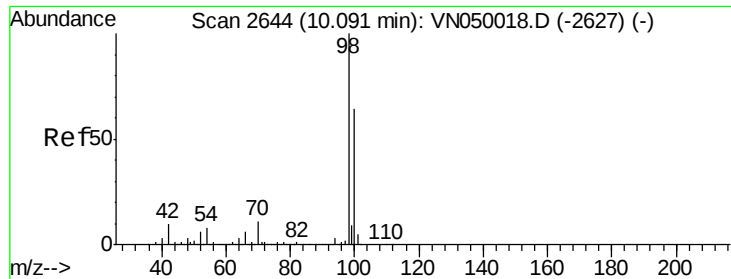


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 47.27 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampleId :

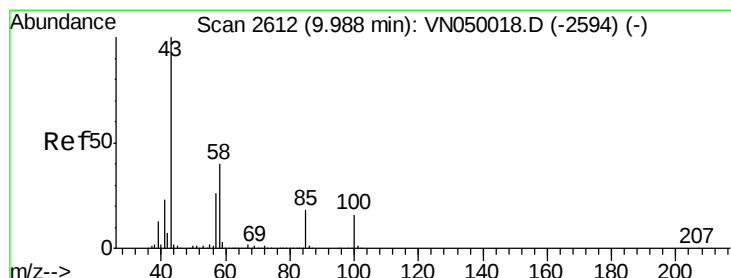
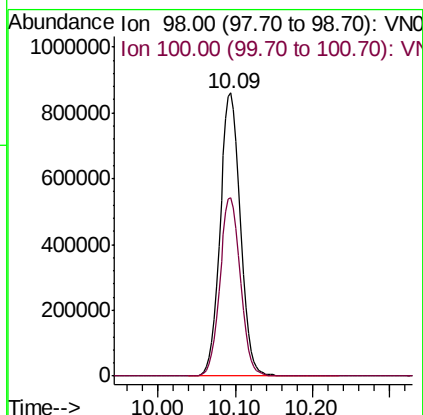
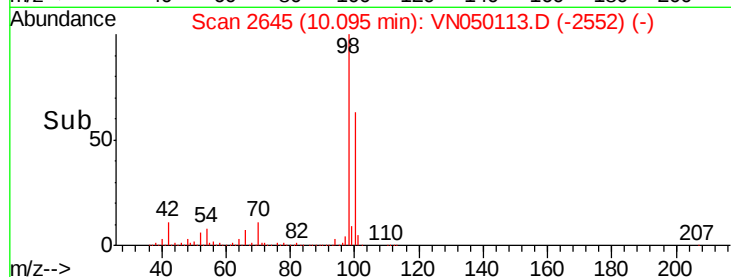
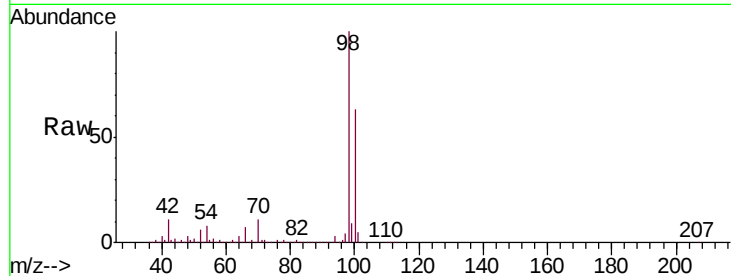
MW-6B

Tot Ion: 98 Resp: 1578248

Ion Ratio Lower Upper

98 100

100 63.7 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 0.36 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050113.D

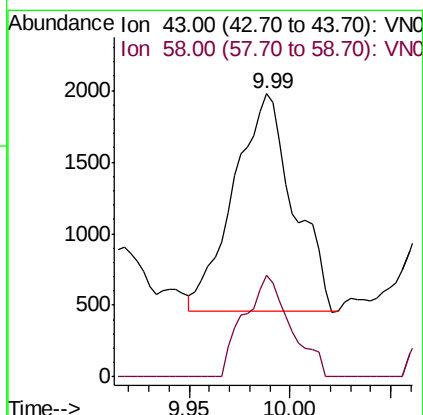
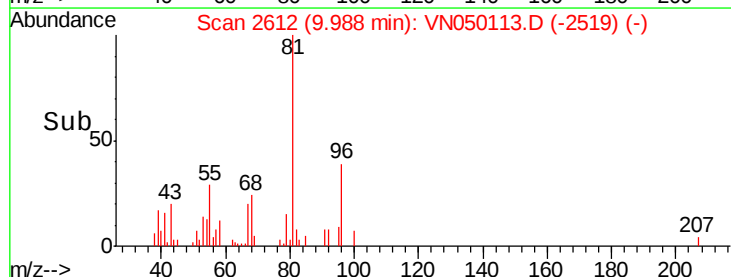
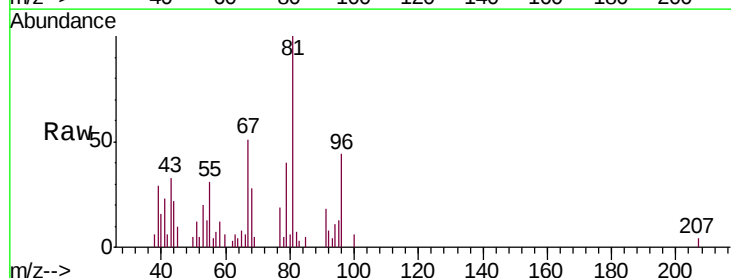
Acq: 27 Jul 2018 4:54

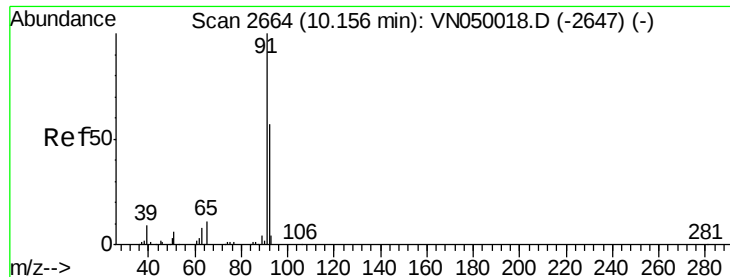
Tgt Ion: 43 Resp: 3131

Ion Ratio Lower Upper

43 100

58 36.7 31.9 47.9





#52

Toluene

Concen: 106.35 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampleId :

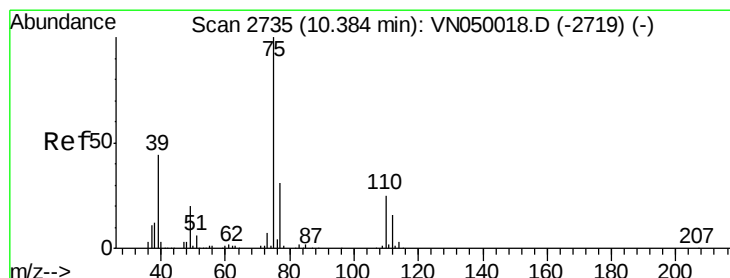
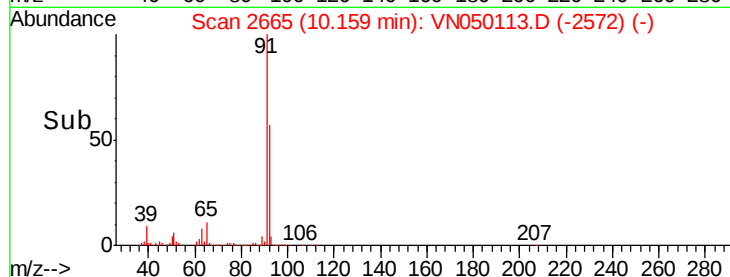
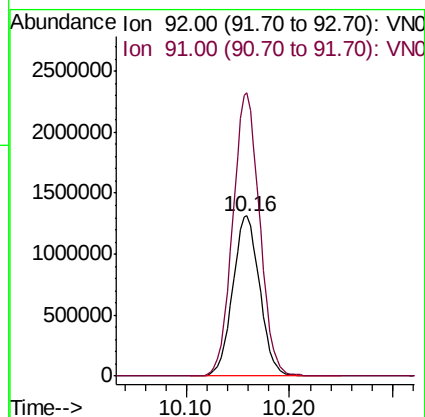
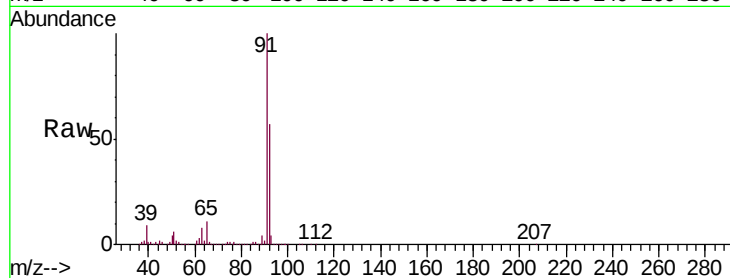
MW-6B

Tot Ion: 92 Resp: 2393966

Ion Ratio Lower Upper

92 100

91 176.0 140.3 210.5



#53

t-1,3-Dichloropropene

Concen: 2.21 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.22 min

Lab File: VN050113.D

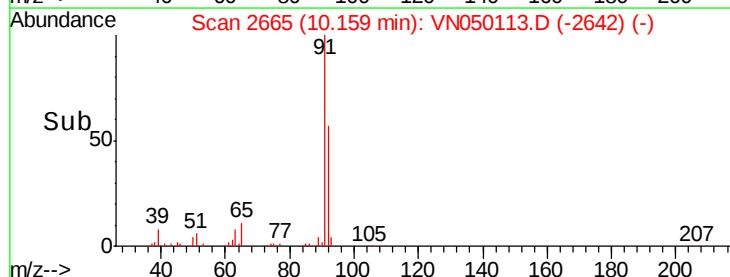
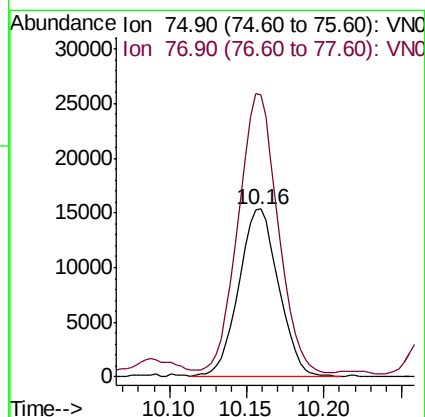
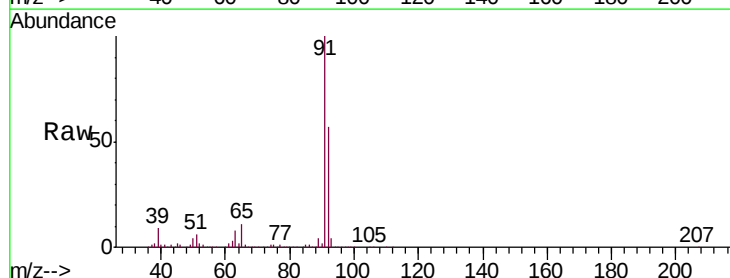
Acq: 27 Jul 2018 4:54

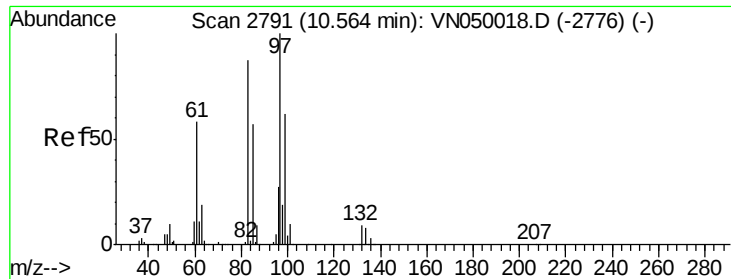
Tgt Ion: 75 Resp: 27649

Ion Ratio Lower Upper

75 100

77 164.7 24.9 37.3#





#55

1,1,2-Trichloroethane

Concen: 0.85 ug/l

RT: 10.54 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

MW-6B

Tot Ion: 97 Resp: 7561

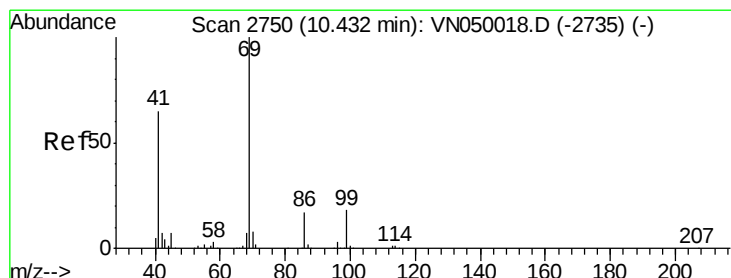
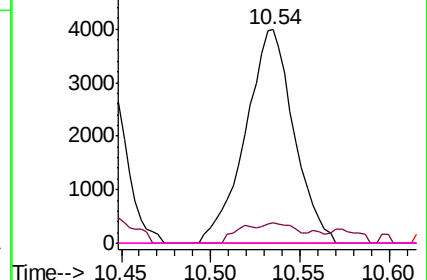
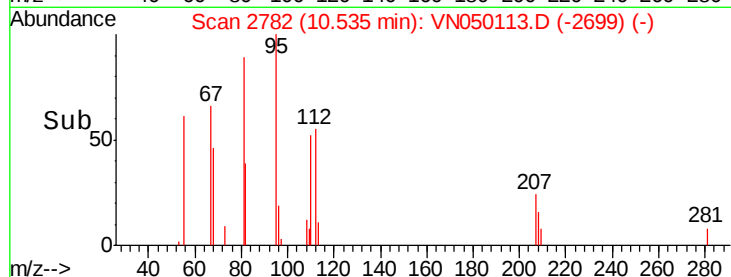
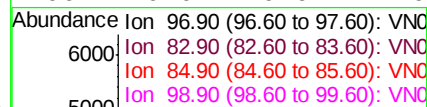
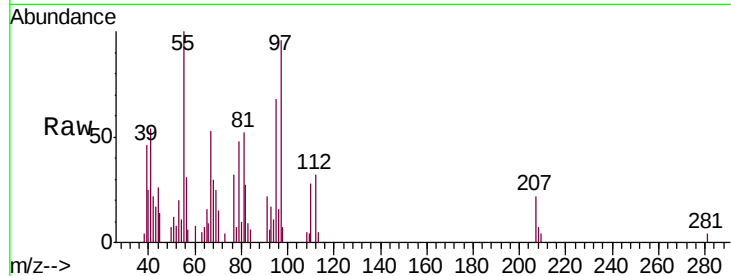
Ion Ratio Lower Upper

97 100

83 9.6 69.2 103.8#

85 0.0 44.0 66.0#

99 0.0 49.9 74.9#



#56

Ethyl methacrylate

Concen: 2.25 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

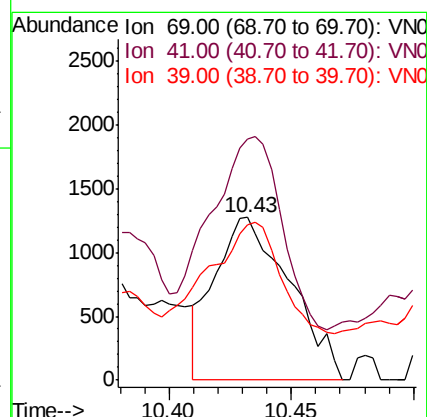
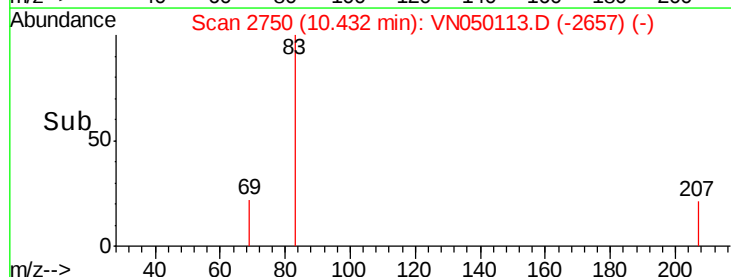
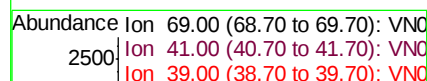
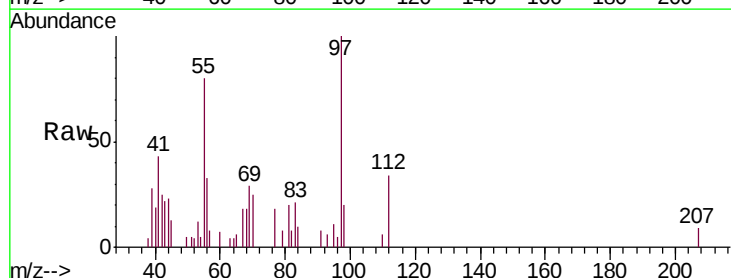
Tgt Ion: 69 Resp: 2746

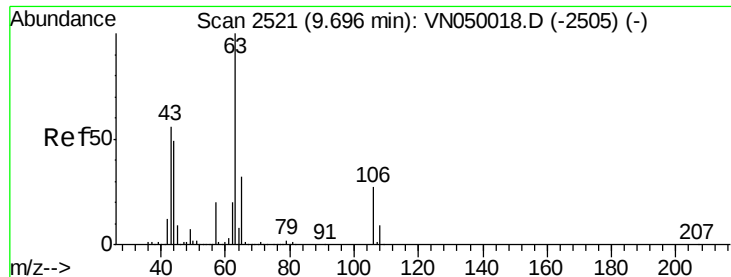
Ion Ratio Lower Upper

69 100

41 111.1 51.0 76.4#

39 0.0 26.6 40.0#

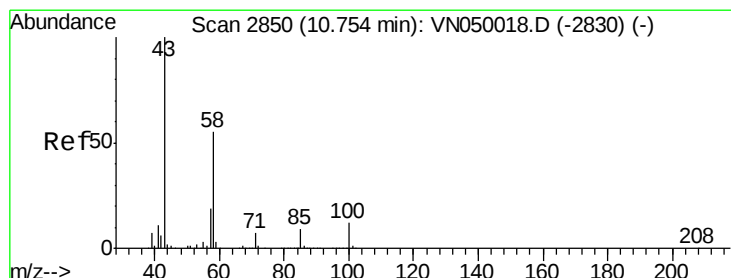
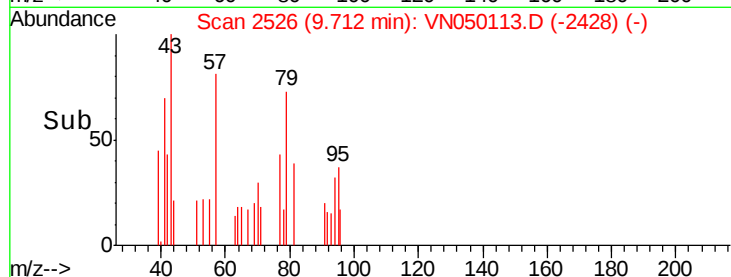
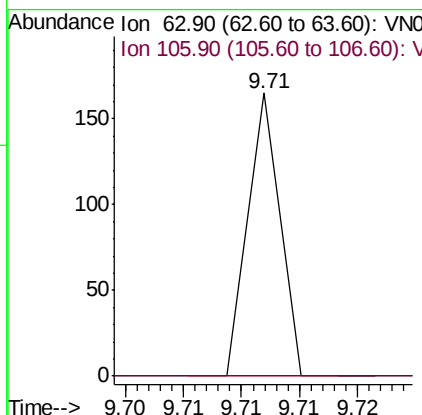
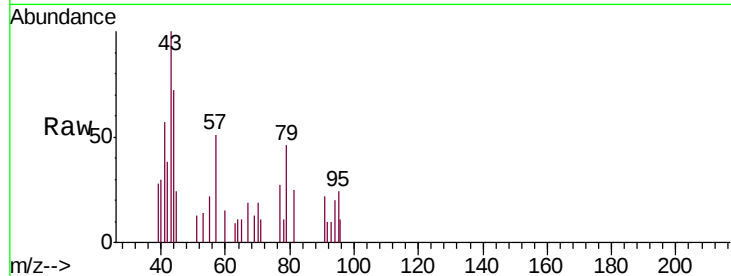




#58
 2-Chloroethyl Vinyl ether
 Concen: 8.53 ug/l
 RT: 9.71 min Scan# 2526
 Delta R.T. 0.01 min
 Lab File: VN050113.D
 Acq: 27 Jul 2018 4:54

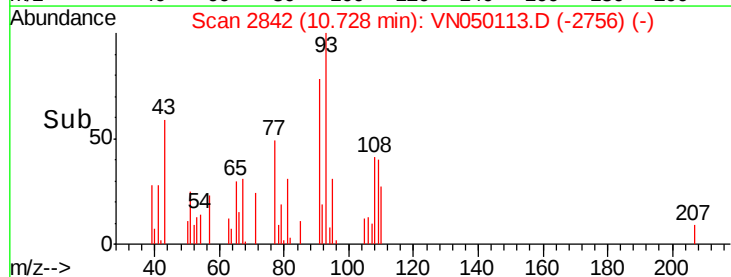
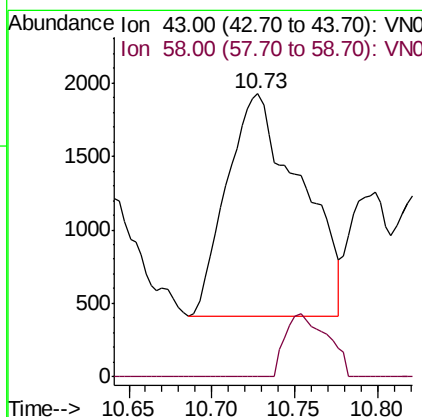
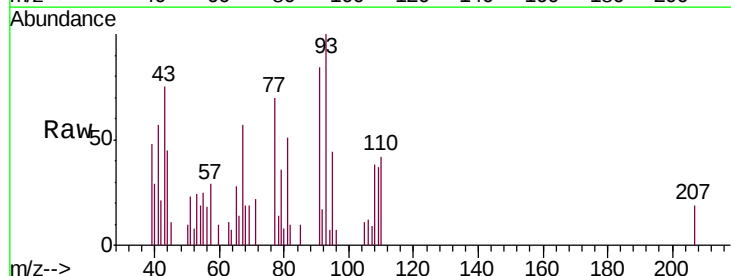
Instrument :
 MSVOA_N
 ClientSampled :
 MW-6B

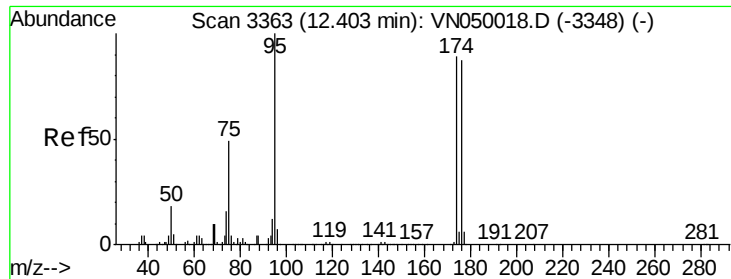
Tot Ion: 63 Resp: 32
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.7 32.5#



#59
 2-Hexanone
 Concen: 5.90 ug/l
 RT: 10.73 min Scan# 2842
 Delta R.T. -0.03 min
 Lab File: VN050113.D
 Acq: 27 Jul 2018 4:54

Tgt Ion: 43 Resp: 4690
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.6 82.7#





#62

4-Bromofluorobenzene

Concen: 49.10 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampleId :

MW-6B

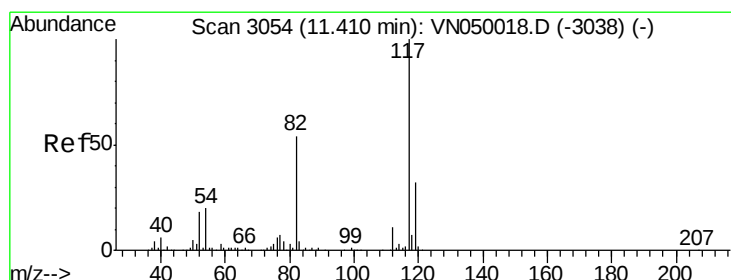
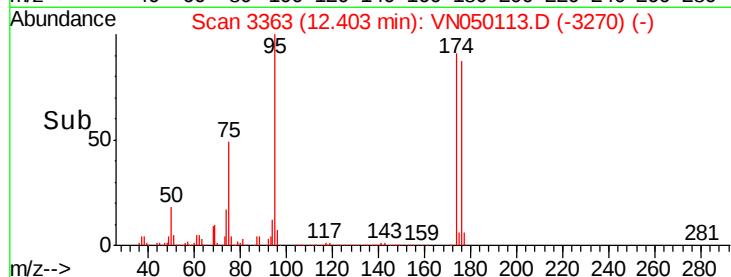
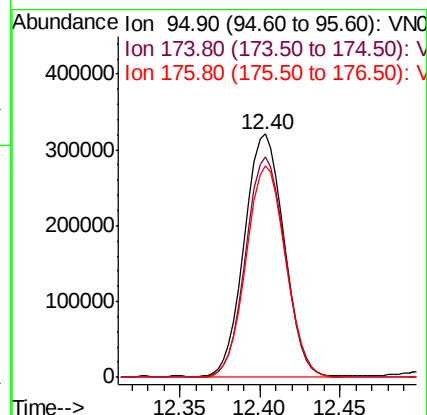
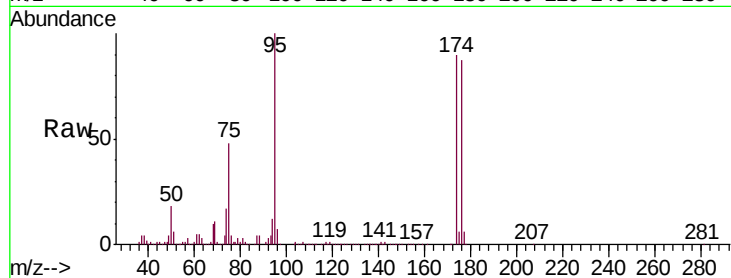
Tot Ion: 95 Resp: 539868

Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.2

176 86.9 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: VN050113.D

Acq: 27 Jul 2018 4:54

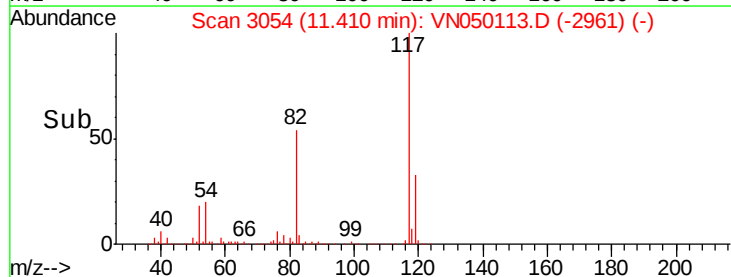
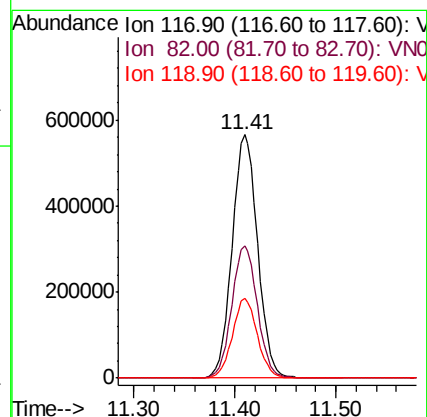
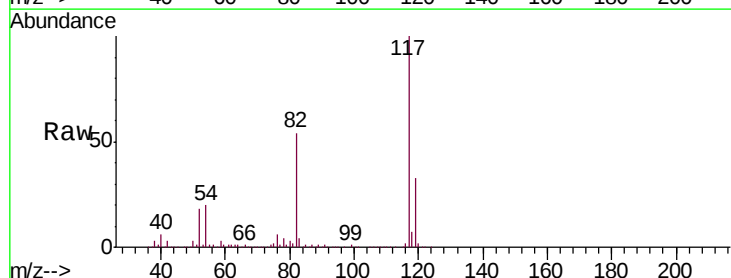
Tgt Ion: 117 Resp: 996187

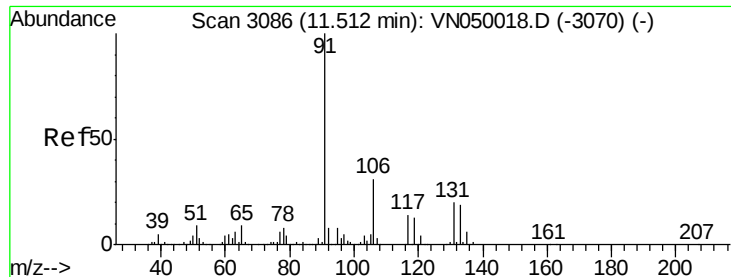
Ion Ratio Lower Upper

117 100

82 54.2 43.7 65.5

119 32.8 26.1 39.1





#67

Ethyl Benzene

Concen: 143.31 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

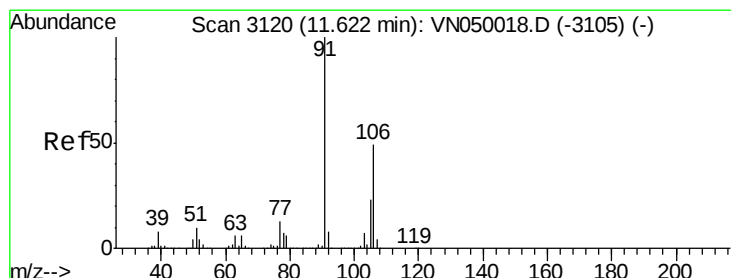
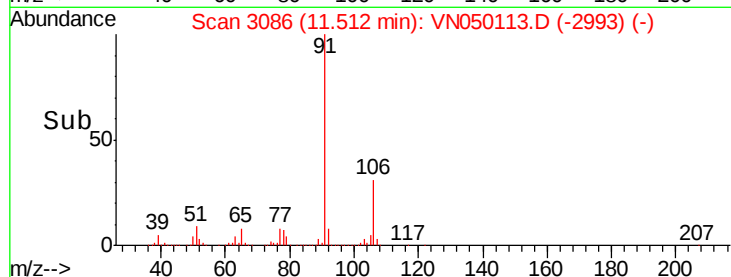
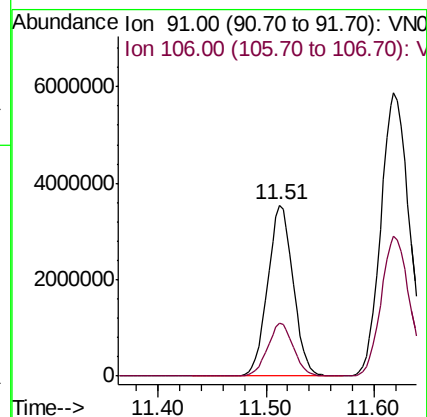
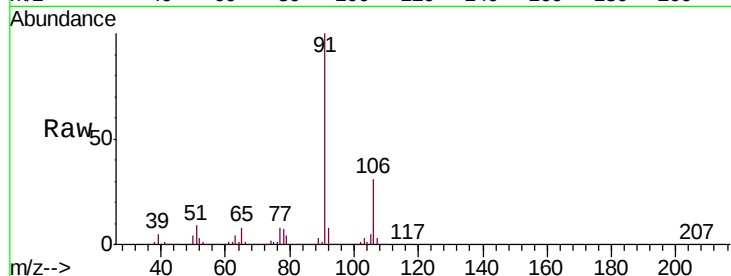
MW-6B

Tot Ion: 91 Resp: 5792926

Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.4



#68

m/p-Xylenes

Concen: 345.38 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.01 min

Lab File: VN050113.D

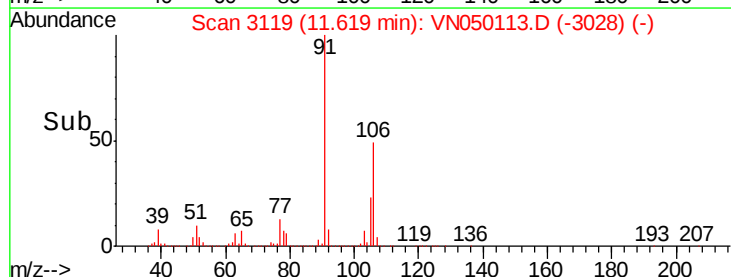
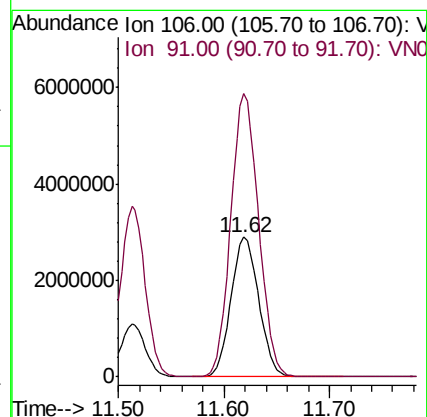
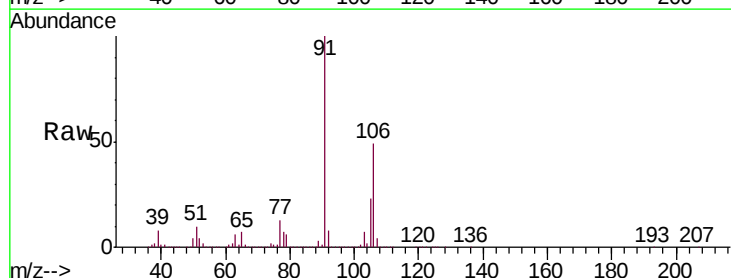
Acq: 27 Jul 2018 4:54

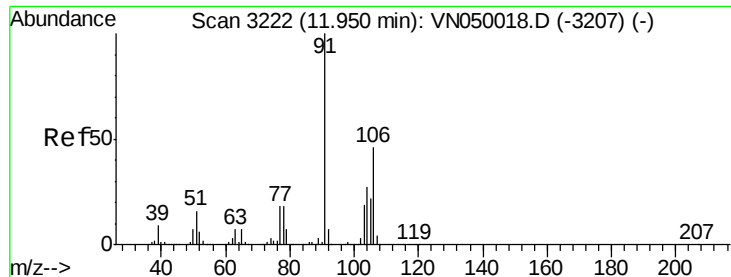
Tgt Ion: 106 Resp: 5280649

Ion Ratio Lower Upper

106 100

91 202.6 162.2 243.2

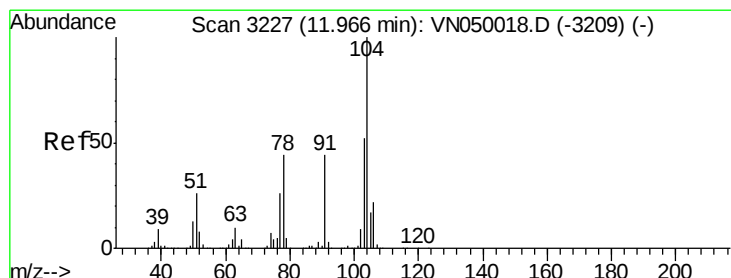
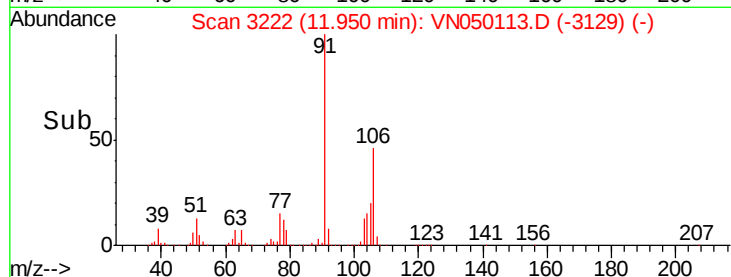
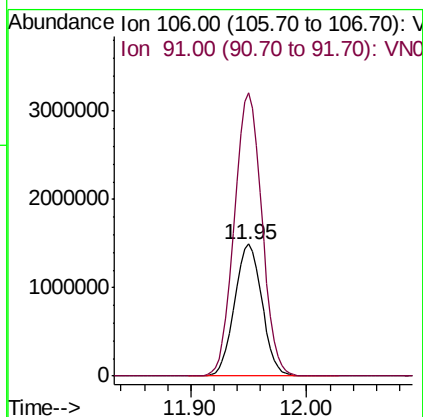
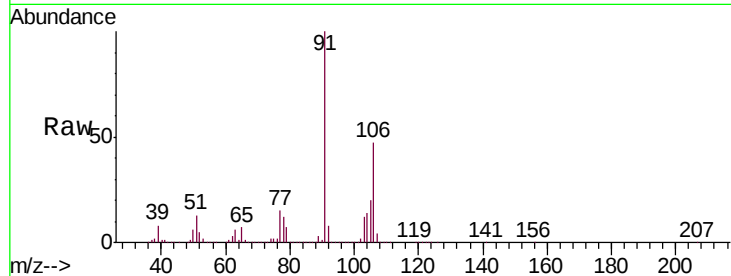




#69
o-Xylene
Concen: 167.07 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

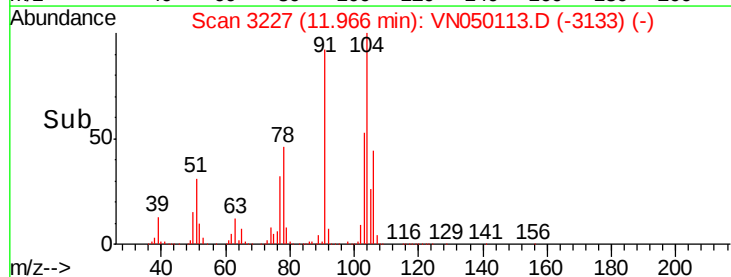
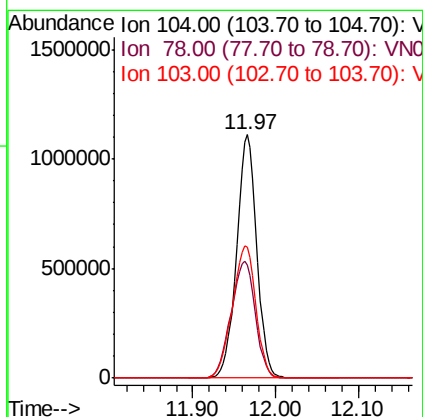
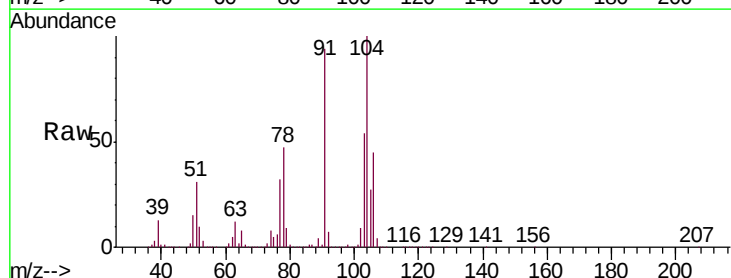
Instrument :
MSVOA_N
ClientSampled :
MW-6B

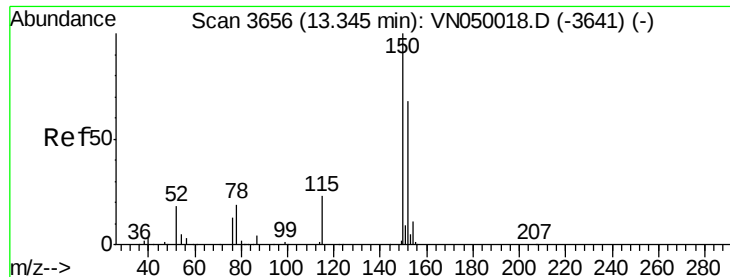
Tot Ion:106 Resp: 2435122
Ion Ratio Lower Upper
106 100
91 215.2 107.7 323.1



#70
Styrene
Concen: 72.63 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Tgt Ion:104 Resp: 1893738
Ion Ratio Lower Upper
104 100
78 57.4 39.3 58.9
103 63.2 45.0 67.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampleId :

MW-6B

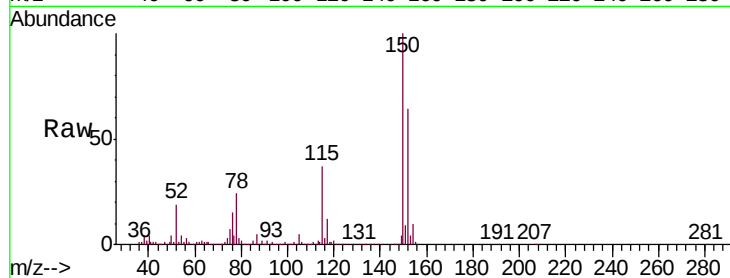
Tot Ion:152 Resp: 538414

Ion Ratio Lower Upper

152 100

115 54.6 27.8 83.3

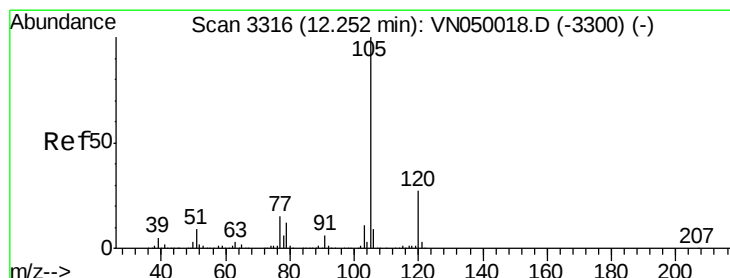
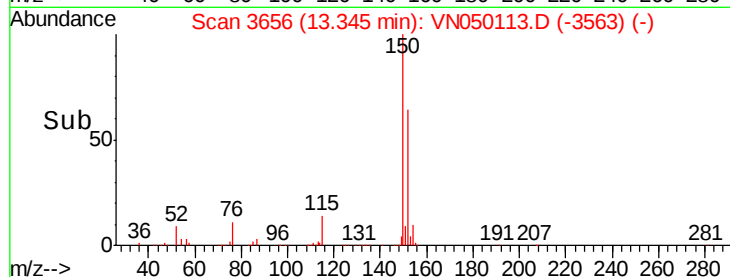
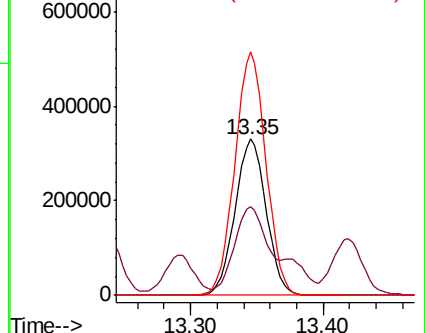
150 155.6 0.0 348.6



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



#73

Isopropylbenzene

Concen: 13.16 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050113.D

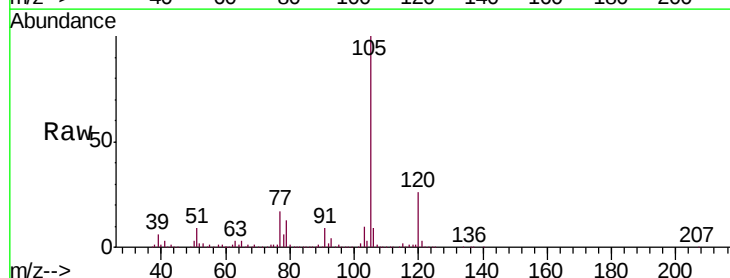
Acq: 27 Jul 2018 4:54

Tgt Ion:105 Resp: 549349

Ion Ratio Lower Upper

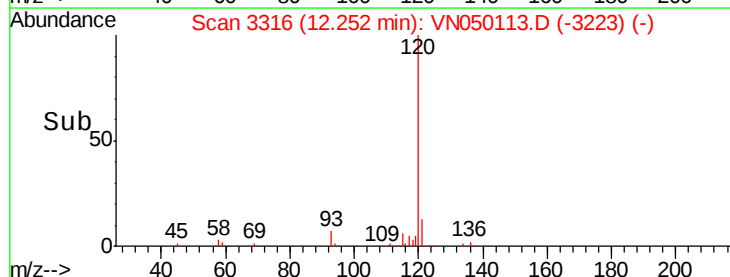
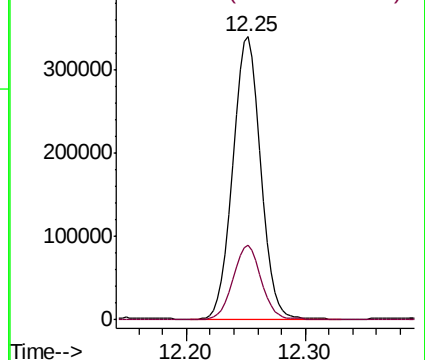
105 100

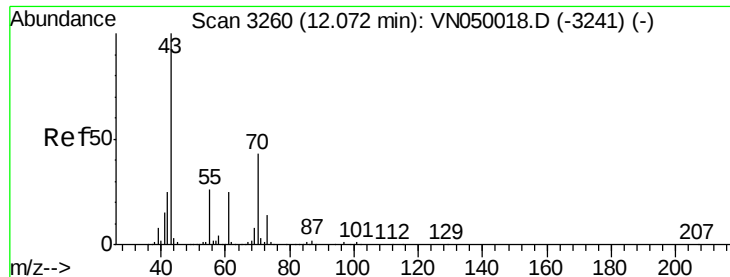
120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.41 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampleId :

MW-6B

Tot Ion: 43 Resp: 5257

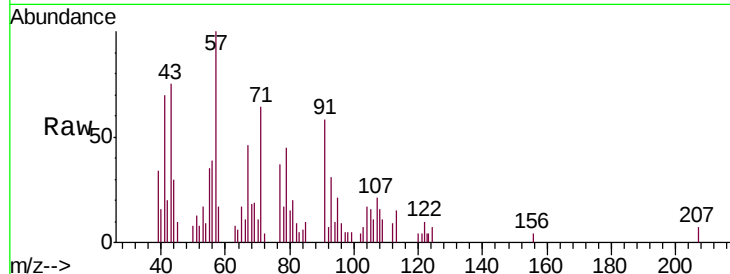
Ion Ratio Lower Upper

43 100

70 12.7 34.4 51.6#

55 0.0 20.8 31.2#

61 0.0 19.7 29.5#

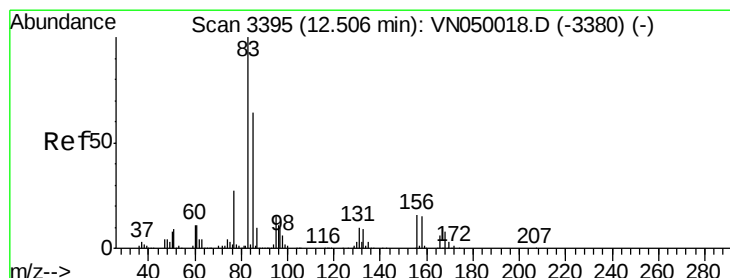
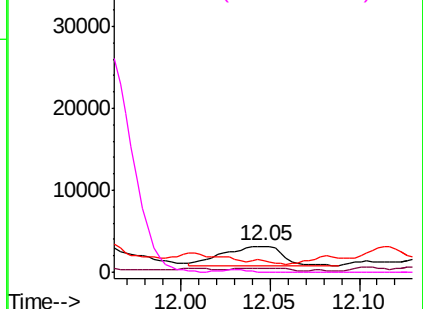
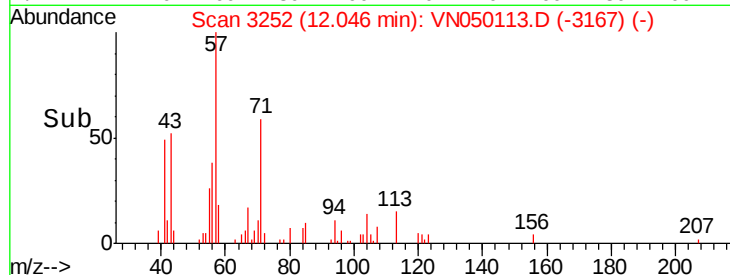


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.52 min Scan# 3399

Delta R.T. 0.01 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

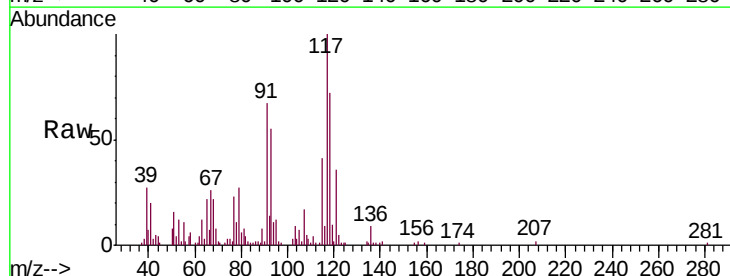
Tgt Ion: 83 Resp: 236

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

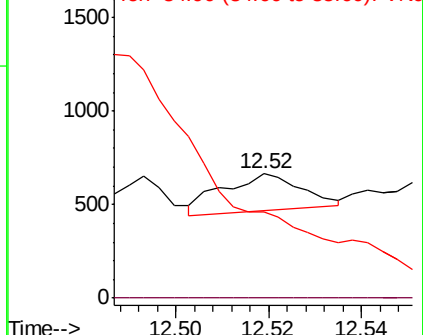
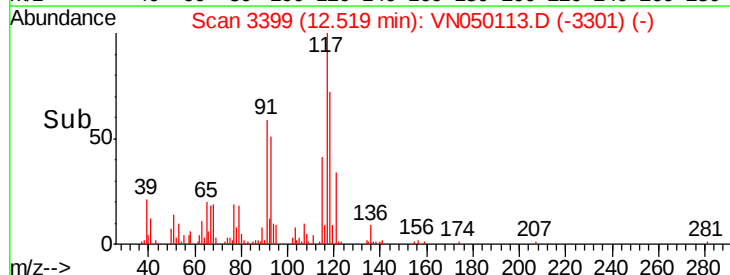
85 0.0 32.3 96.8#

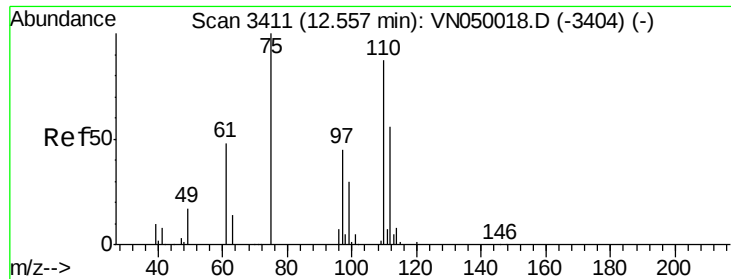


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 4.75 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. 0.10 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

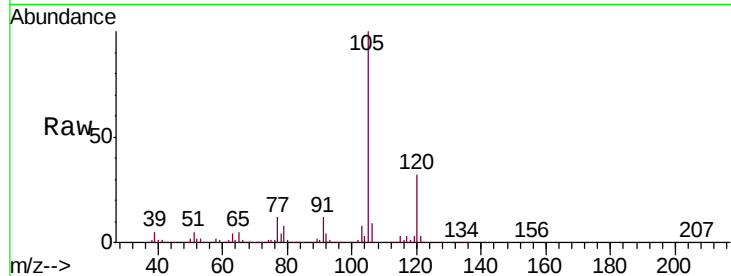
MW-6B

Tot Ion: 75 Resp: 47517

Ion Ratio Lower Upper

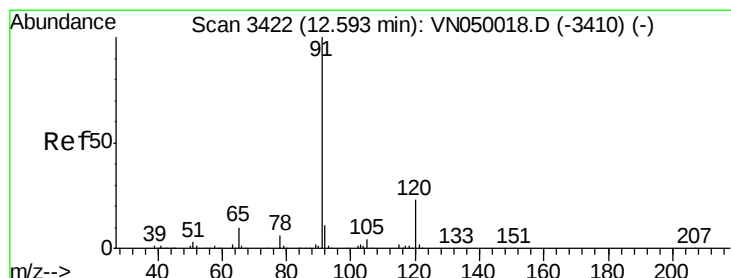
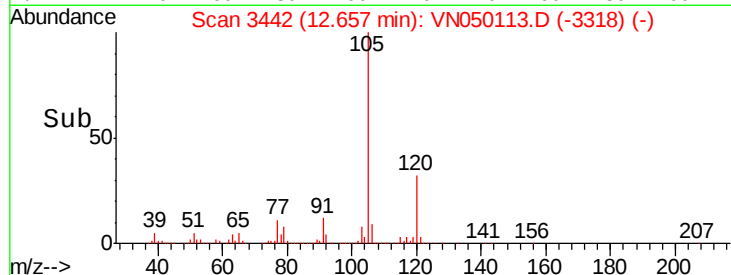
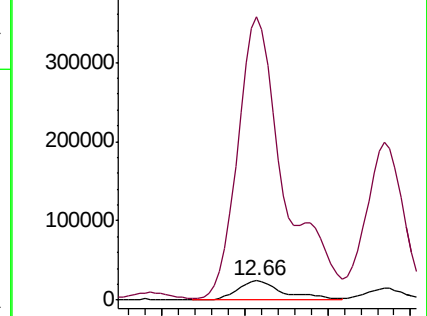
75 100

77 1250.1 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: 7.20 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050113.D

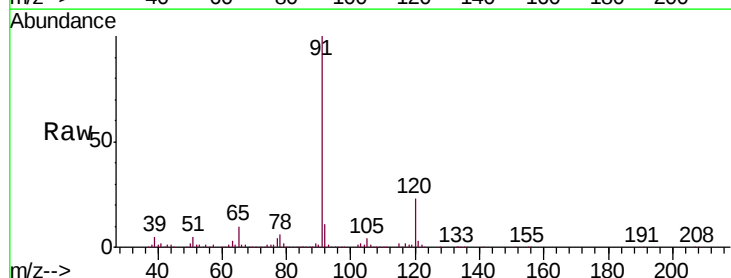
Acq: 27 Jul 2018 4:54

Tgt Ion: 91 Resp: 335872

Ion Ratio Lower Upper

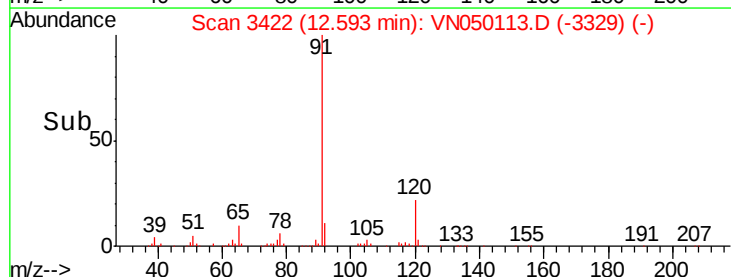
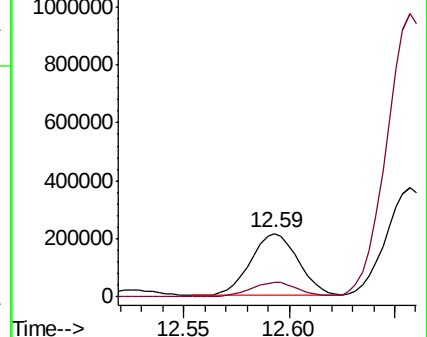
91 100

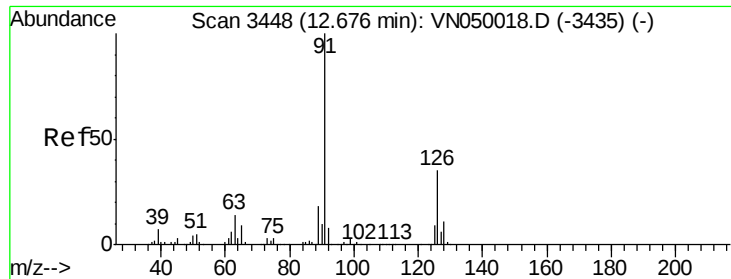
120 23.5 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.79 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

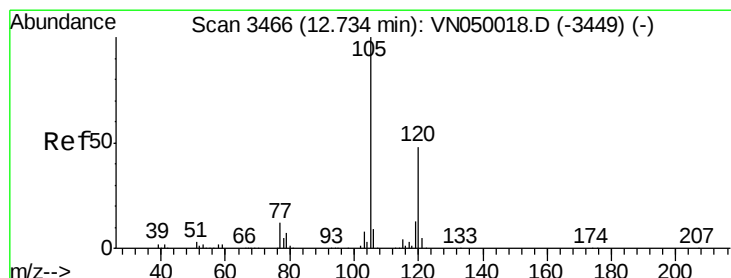
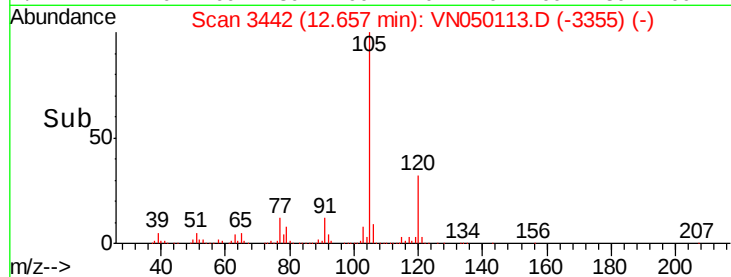
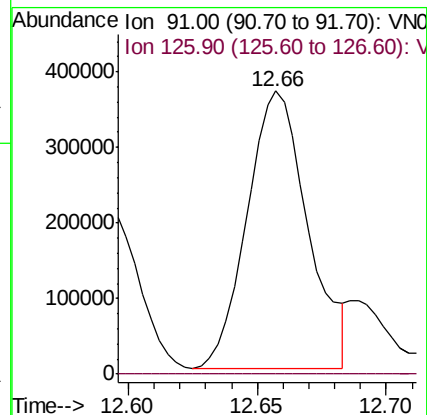
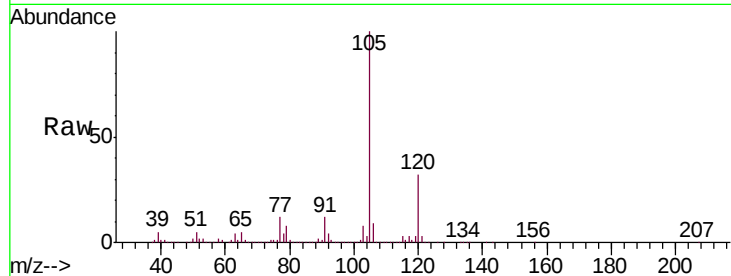
MW-6B

Tot Ion: 91 Resp: 601385

Ion Ratio Lower Upper

91 100

126 0.2 17.6 52.8#



#80

1,3,5-Trimethylbenzene

Concen: 73.45 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050113.D

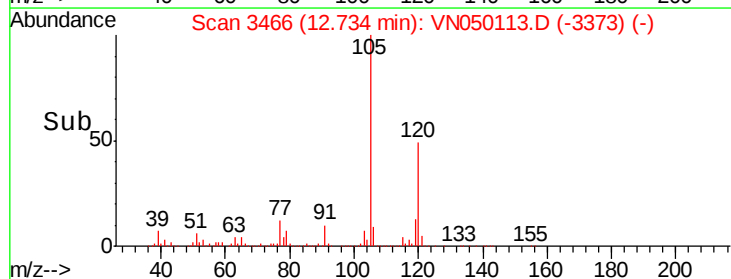
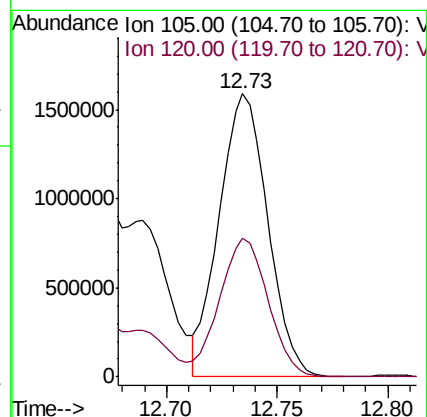
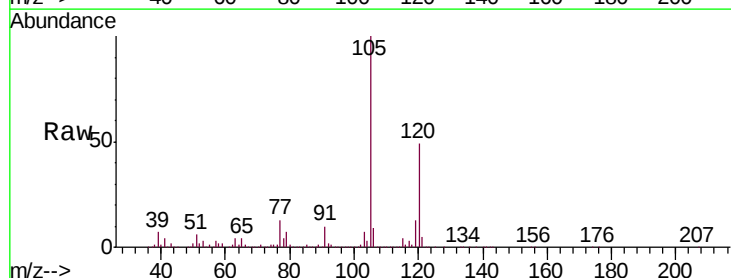
Acq: 27 Jul 2018 4:54

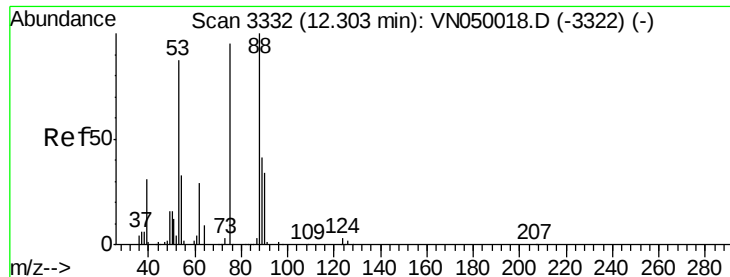
Tgt Ion:105 Resp: 2412393

Ion Ratio Lower Upper

105 100

120 49.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 83.91 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

MW-6B

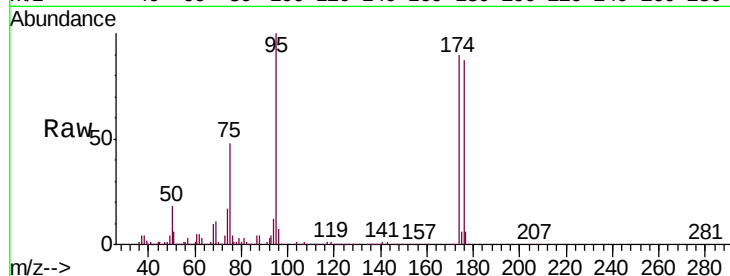
Tot Ion: 75 Resp: 264706

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.1 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

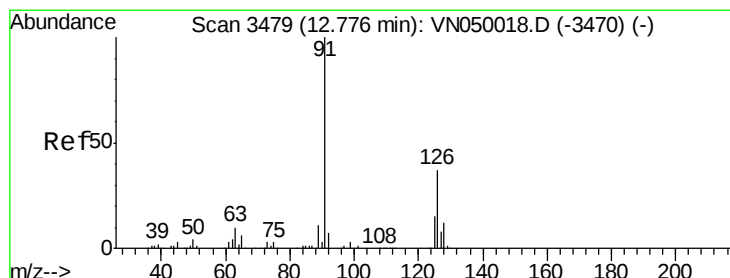
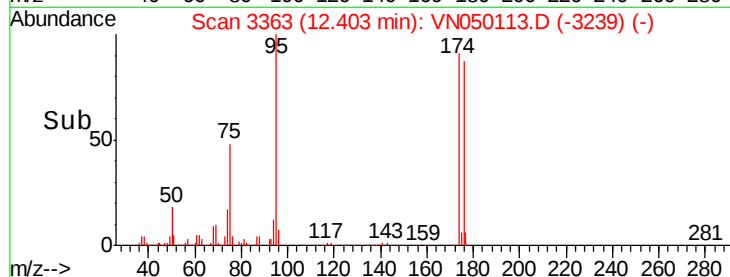
150000

100000

50000

0

Time-->



#82

4-Chlorotoluene

Concen: 8.60 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN050113.D

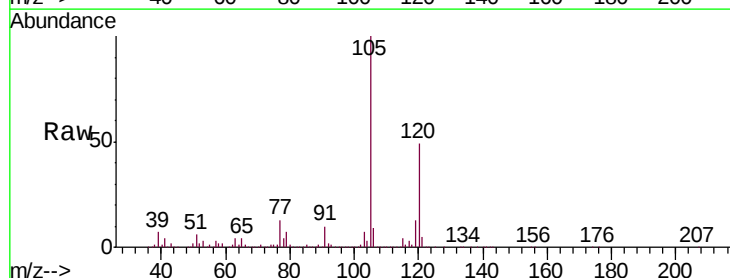
Acq: 27 Jul 2018 4:54

Tgt Ion: 91 Resp: 246253

Ion Ratio Lower Upper

91 100

126 0.0 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.73

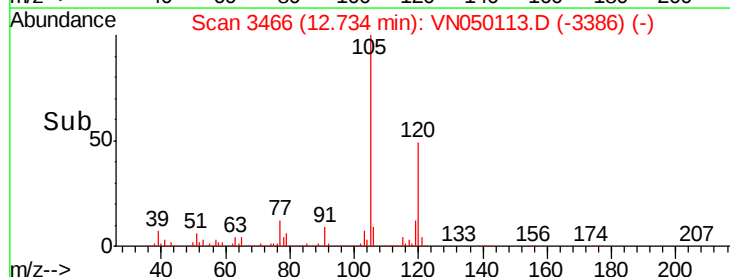
150000

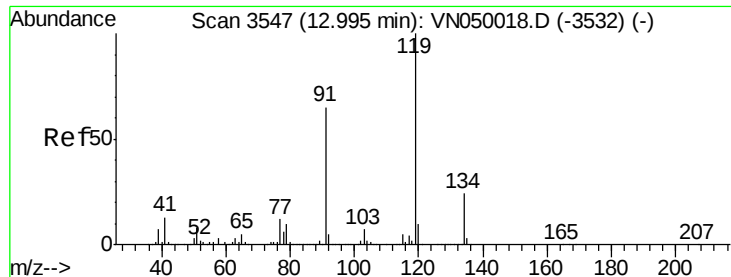
100000

50000

0

Time-->

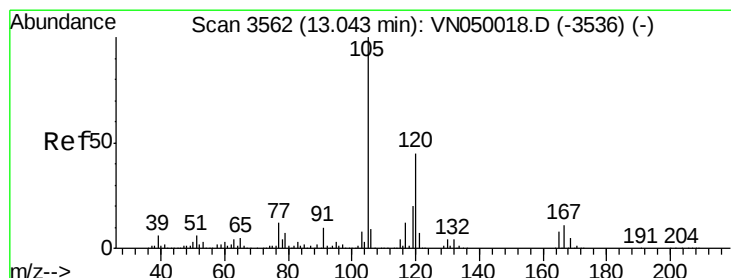
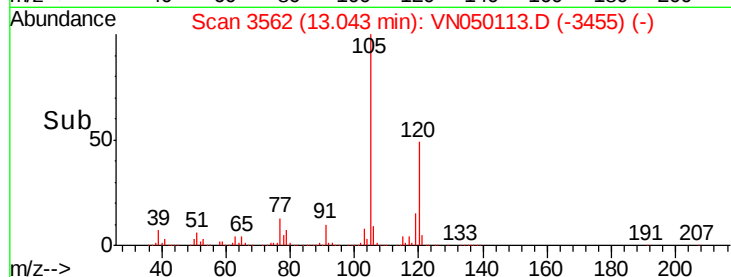
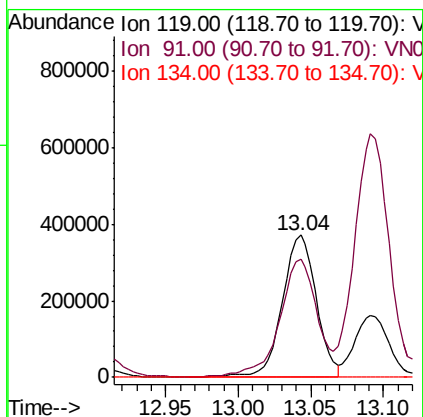
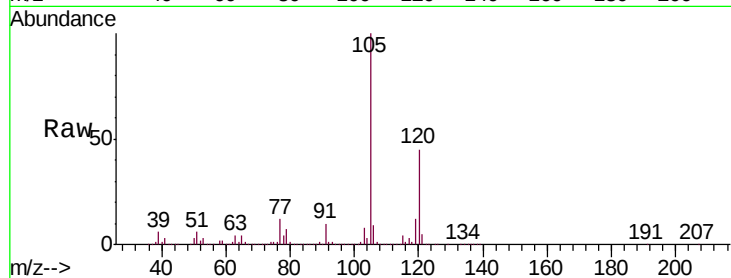




#83
tert-Butylbenzene
Concen: 20.98 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.05 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

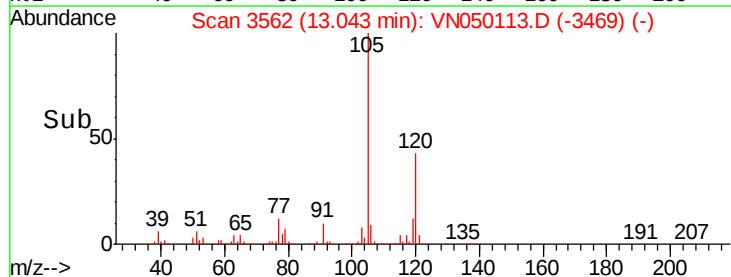
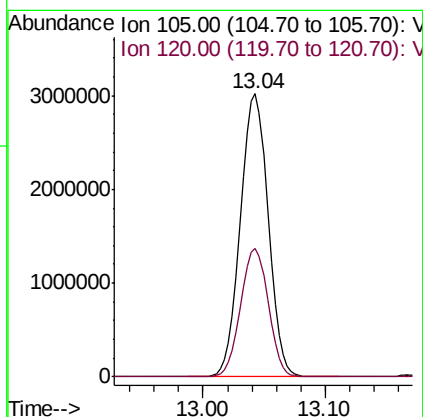
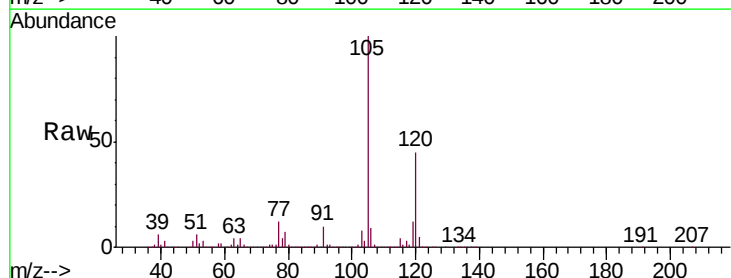
Instrument :
MSVOA_N
ClientSampled :
MW-6B

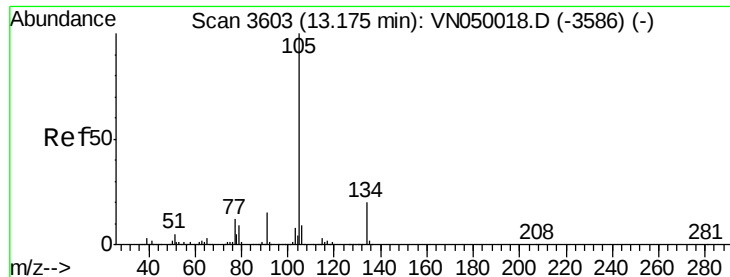
Tot Ion:119 Resp: 601358
Ion Ratio Lower Upper
119 100
91 90.4 32.1 96.3
134 0.0 13.2 39.5#



#84
1,2,4-Trimethylbenzene
Concen: 142.94 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Tgt Ion:105 Resp: 4732412
Ion Ratio Lower Upper
105 100
120 45.2 22.9 68.7





#85

sec-Butylbenzene

Concen: 123.56 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.13 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

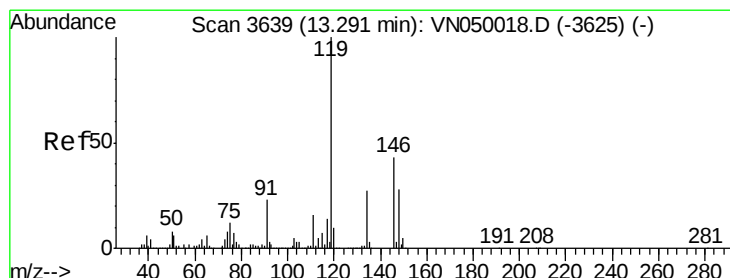
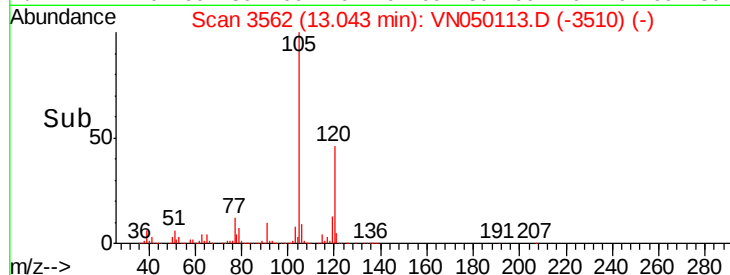
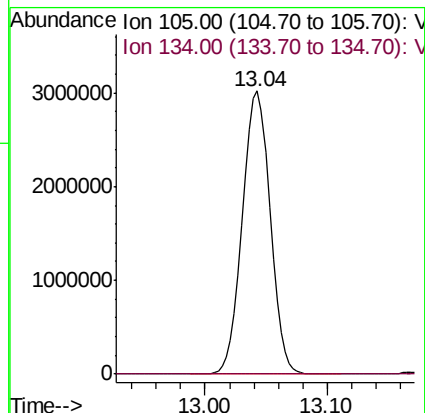
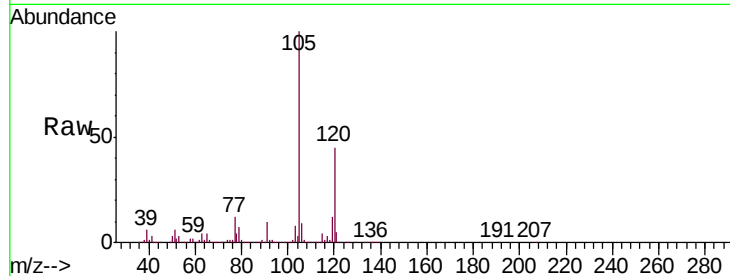
MW-6B

Tot Ion:105 Resp: 4732412

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#



#86

p-Isopropyltoluene

Concen: 52.29 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

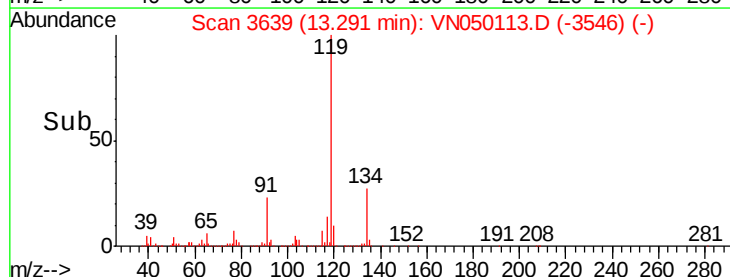
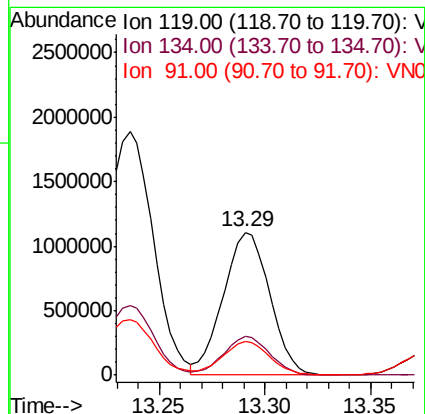
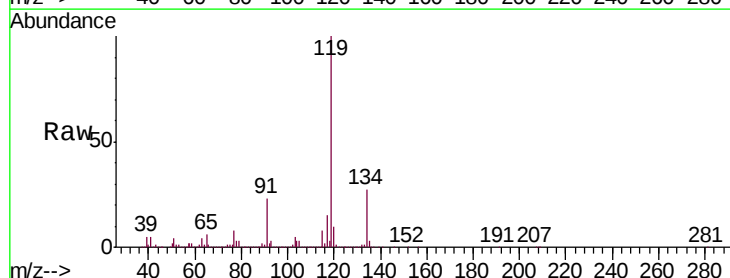
Tgt Ion:119 Resp: 1687412

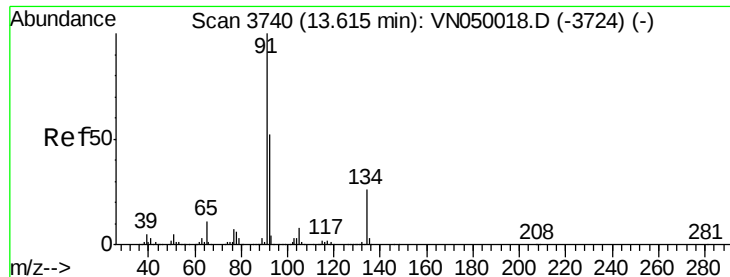
Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 23.0 11.4 34.2





#89

n-Butylbenzene

Concen: 5.54 ug/l

RT: 13.58 min Scan# 3730

Delta R.T. -0.04 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

MW-6B

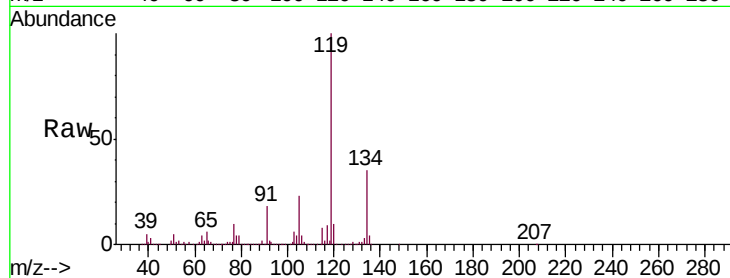
Tot Ion: 91 Resp: 146977

Ion Ratio Lower Upper

91 100

92 6.6 25.8 77.4#

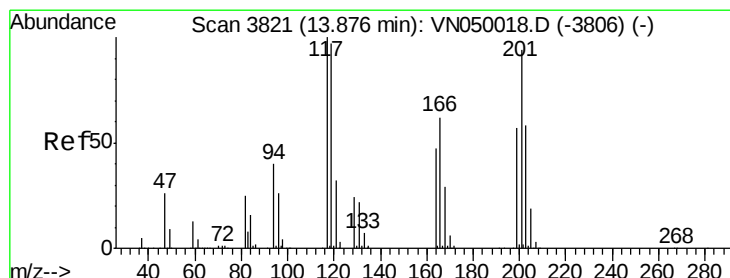
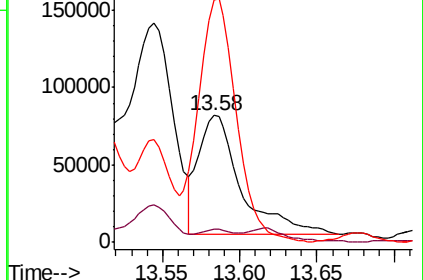
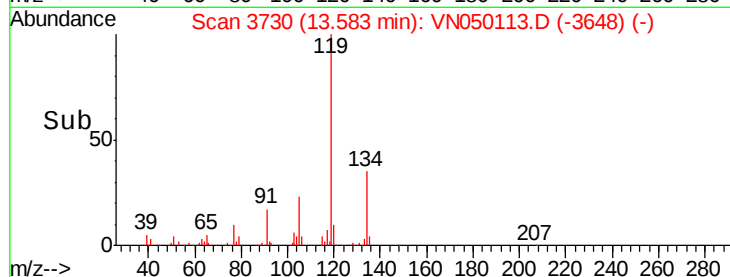
134 184.1 12.8 38.4#



Abundance Ion 91.00 (90.70 to 91.70): VN050113.D (-3724) (-)

Ion 92.00 (91.70 to 92.70): VN050113.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN050113.D (-3724) (-)



#90

Hexachloroethane

Concen: 22.01 ug/l

RT: 13.86 min Scan# 3815

Delta R.T. -0.02 min

Lab File: VN050113.D

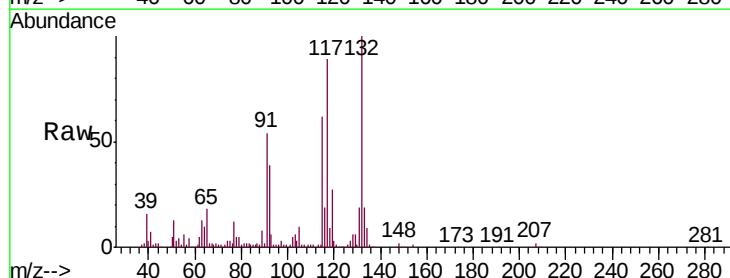
Acq: 27 Jul 2018 4:54

Tgt Ion: 117 Resp: 157739

Ion Ratio Lower Upper

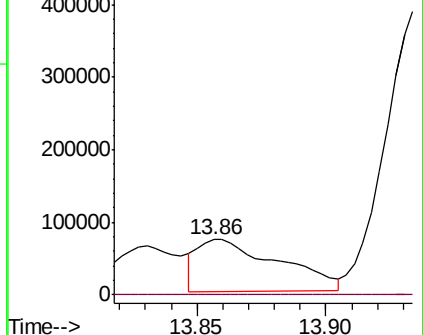
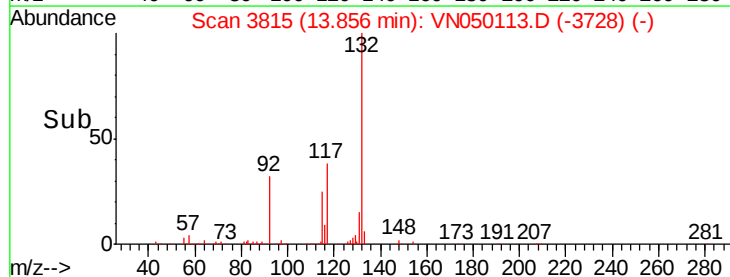
117 100

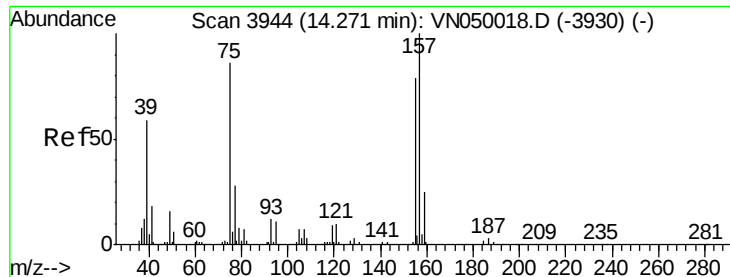
201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): VN050113.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050113.D (-3806) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 13.92 ug/l

RT: 14.26 min Scan# 3942

Delta R.T. -0.01 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampleId :

MW-6B

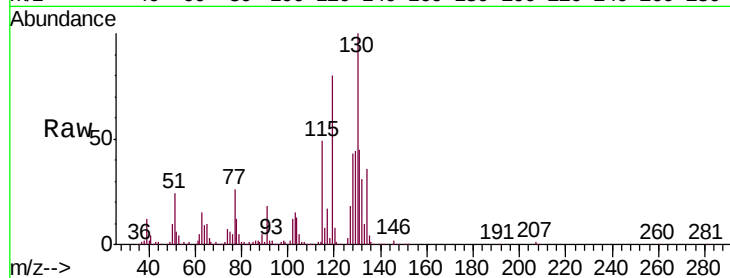
Tot Ion: 75 Resp: 26979

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

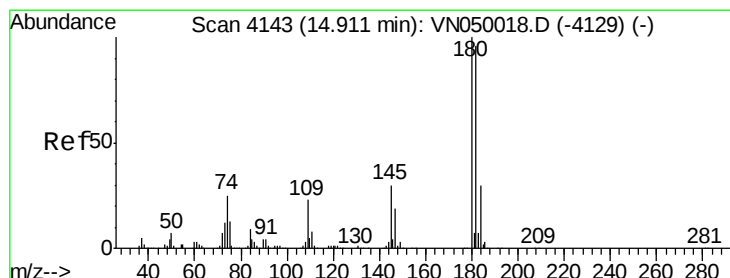
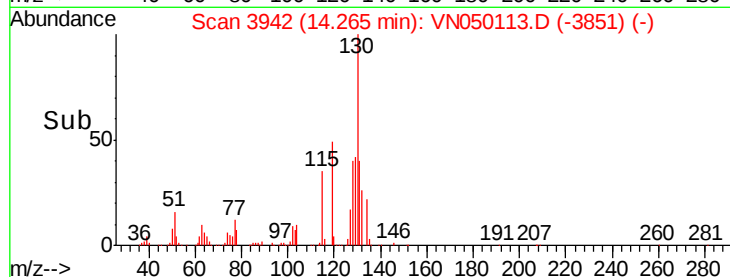
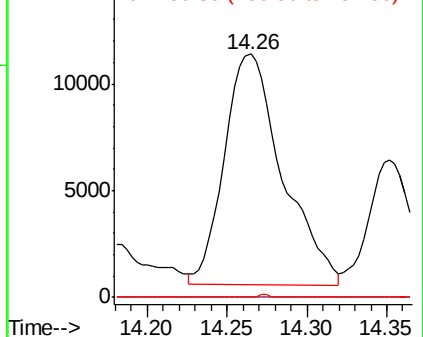
157 0.2 57.2 171.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 3.13 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

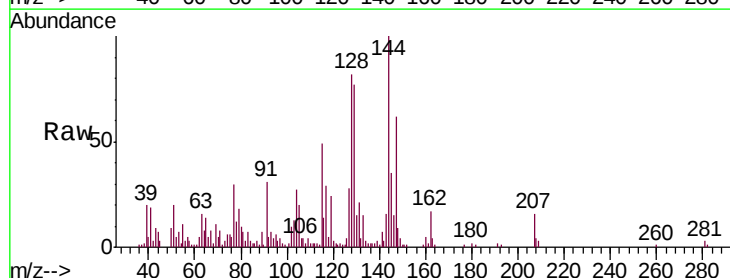
Tgt Ion:180 Resp: 483

Ion Ratio Lower Upper

180 100

182 95.2 46.7 140.1

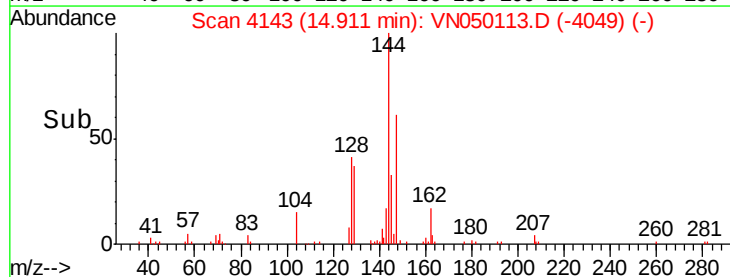
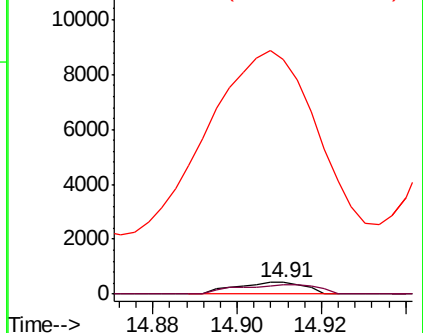
145 2522.2 13.8 41.4#

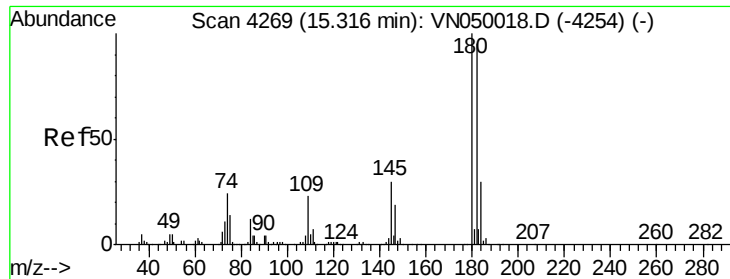


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

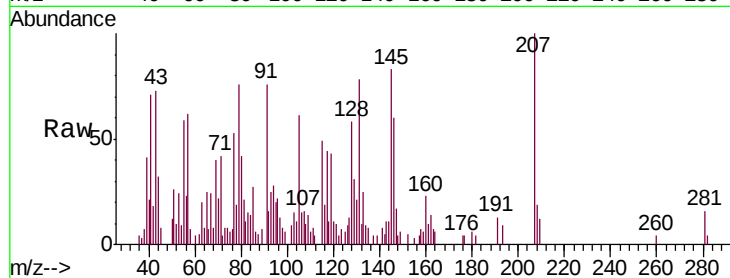




#96
 1,2,3-Trichlorobenzene
 Concen: 2.26 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.00 min
 Lab File: VN050113.D
 Acq: 27 Jul 2018 4:54

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6B

Tot Ion	Ratio	Lower	Upper
180	100		
182	67.1	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

