

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050120.D
 Acq On : 27 Jul 2018 7:47
 Operator : MD\SY
 Sample : J4184-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3B

Quant Time: Jul 27 08:43:30 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	864638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1282189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1122197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	555262	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	529154	43.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.72%	
35) Dibromofluoromethane	7.59	113	467829	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
50) Toluene-d8	10.09	98	1806449	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
62) 4-Bromofluorobenzene	12.40	95	589389	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	3012	0.22	ug/l	# 79
5) Bromomethane	2.56	94	379	Below	Cal	# 66
11) Tert butyl alcohol	4.82	59	1453	1.64	ug/l	# 72
14) Allyl chloride	4.43	41	11140	0.72	ug/l	# 33
16) Acetone	3.82	43	9482	Below	Cal	# 98
17) Carbon Disulfide	4.05	76	18699	0.61	ug/l	# 99
18) Methyl Acetate	4.34	43	12819	Below	Cal	# 73
20) Methylene Chloride	4.63	84	269	Below	Cal	# 8
31) Cyclohexane	7.66	56	162949	9.75	ug/l	# 84
36) 1,1-Dichloropropene	7.67	75	56895	3.94	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	75733	4.94	ug/l	# 15
39) Methylcyclohexane	9.08	83	235624	15.86	ug/l	# 98
40) Benzene	8.04	78	20647645	469.72	ug/l	# 98
41) Methacrylonitrile	7.17	41	130	2.77	ug/l	# 30
42) 1,2-Dichloroethane	8.04	62	168984	11.52	ug/l	# 76
43) Isopropyl Acetate	8.24	43	220489	10.72	ug/l	# 61
48) Methyl methacrylate	9.15	41	3519	0.41	ug/l	# 4
52) Toluene	10.16	92	2073803	79.92	ug/l	# 100
53) t-1,3-Dichloropropene	10.16	75	23368	1.62	ug/l	# 1
55) 1,1,2-Trichloroethane	10.54	97	11745	1.14	ug/l	# 19
56) Ethyl methacrylate	10.43	69	4068	2.31	ug/l	# 47
58) 2-Chloroethyl Vinyl ether	9.63	63	408	8.59	ug/l	# 48
59) 2-Hexanone	10.78	43	143	5.19	ug/l	# 24
65) Chlorobenzene	11.59	112	8396	0.30	ug/l	# 52
67) Ethyl Benzene	11.63	91	7103037	155.99	ug/l	# 67
68) m/p-Xylenes	11.63	106	3516094	204.15	ug/l	# 100
69) o-Xylene	11.95	106	3827156	233.10	ug/l	# 99
70) Styrene	11.95	104	274068	10.14	ug/l	# 1
71) Bromoform	12.40	173	3482	0.44	ug/l	# 1
73) Isopropylbenzene	12.25	105	1711311	39.74	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	12.50	83	167	Below	Cal	# 25
76) 1,2,3-Trichloropropane	12.66	75	22130	2.14	ug/l	# 100
77) Bromobenzene	12.54	156	9697	0.81	ug/l	# 1
78) n-propylbenzene	12.59	91	750865	15.60	ug/l	# 100

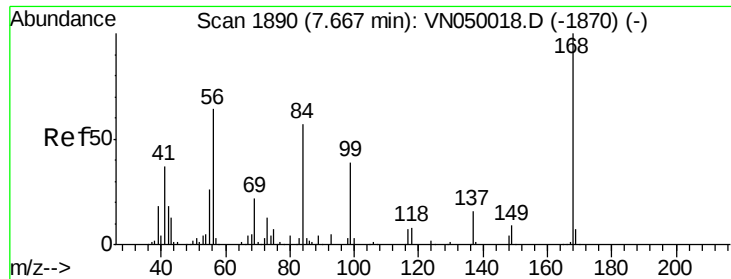
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050120.D
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 Operator : MD\SY
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.69	91	225903	7.57	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	1293735	38.19	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.25	75	19550	6.01	ug/l #	67
82) 4-Chlorotoluene	12.73	91	123510	4.18	ug/l #	41
83) tert-Butylbenzene	13.04	119	517893	17.52	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.04	105	4083530	119.60	ug/l	100
85) sec-Butylbenzene	13.04	105	4083530	103.39	ug/l #	56
86) p-Isopropyltoluene	13.29	119	295791	8.89	ug/l	97
89) n-Butylbenzene	13.54	91	533880	19.51	ug/l #	44
90) Hexachloroethane	14.00	117	95914	12.98	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.28	75	3826	1.20	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	168	3.10	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.32	180	30	2.21	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampleId :

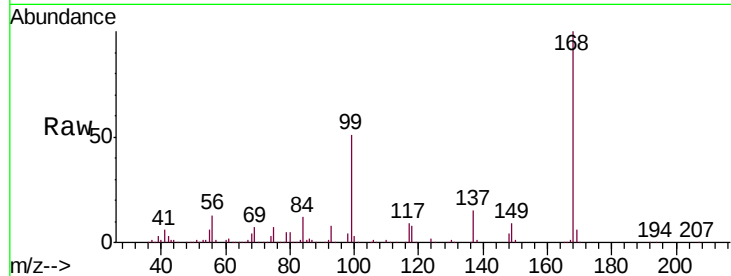
MW-3B

Tot Ion:168 Resp: 864638

Ion Ratio Lower Upper

168 100

99 50.9 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

400000

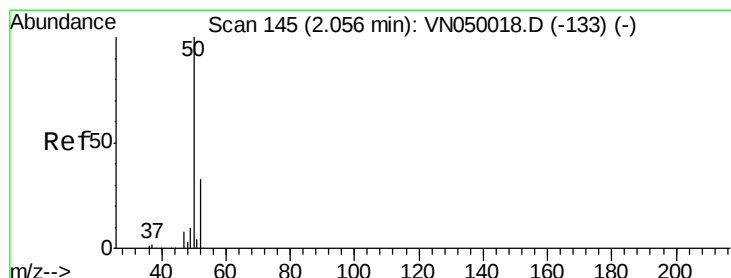
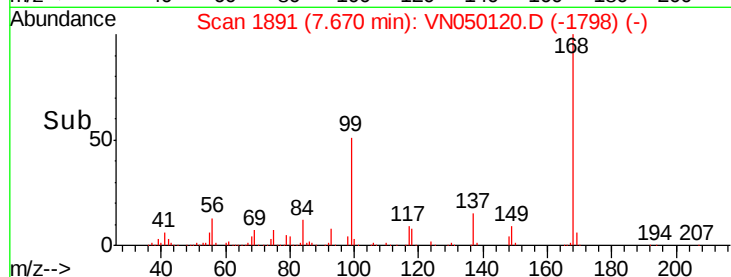
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.22 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050120.D

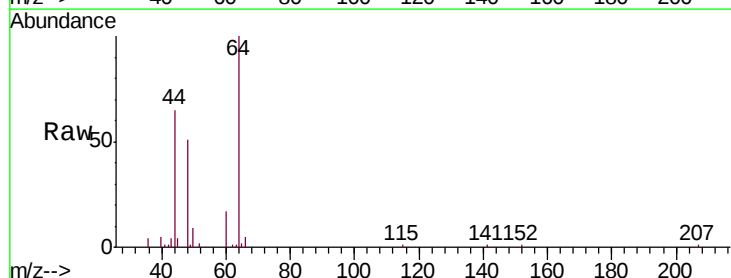
Acq: 27 Jul 2018 7:47

Tgt Ion: 50 Resp: 3012

Ion Ratio Lower Upper

50 100

52 20.8 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

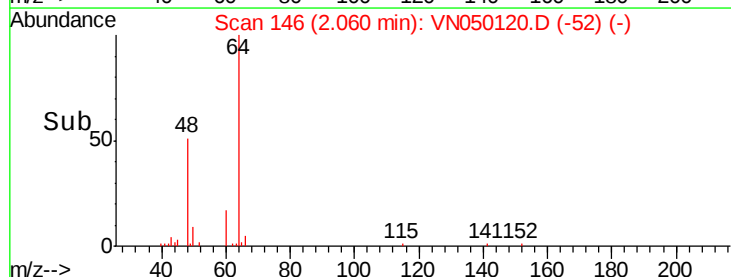
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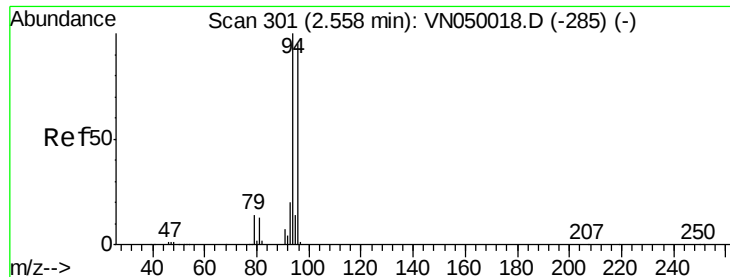
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampled :

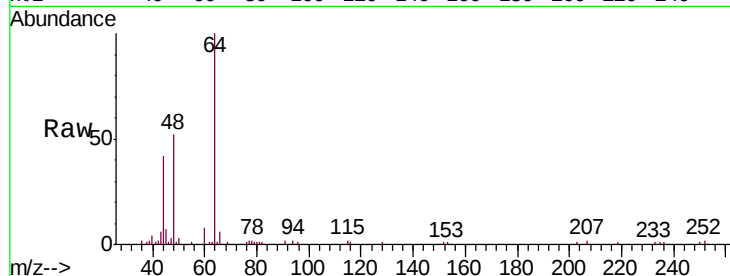
MW-3B

Tot Ion: 94 Resp: 379

Ion Ratio Lower Upper

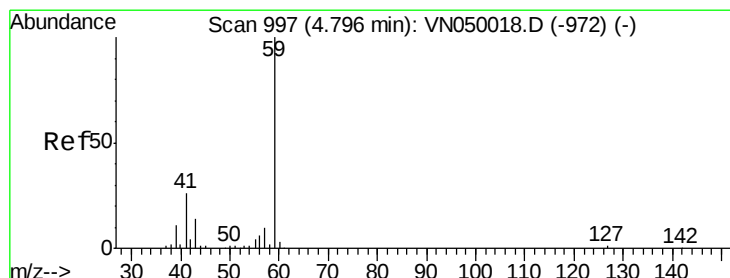
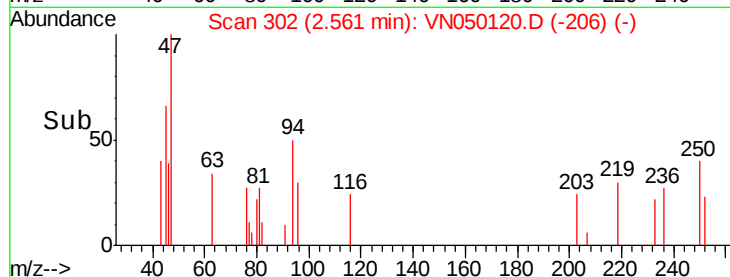
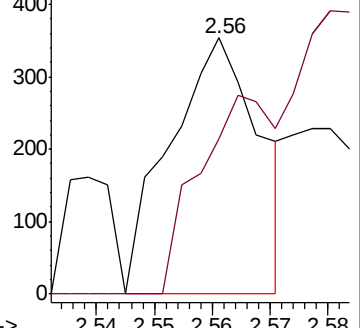
94 100

96 60.7 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 1.64 ug/l

RT: 4.82 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN050120.D

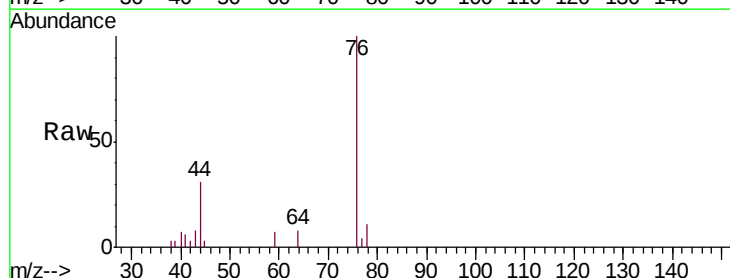
Acq: 27 Jul 2018 7:47

Tgt Ion: 59 Resp: 1453

Ion Ratio Lower Upper

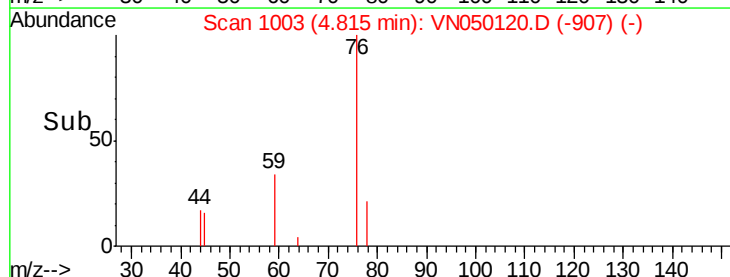
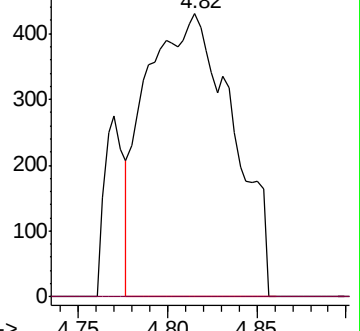
59 100

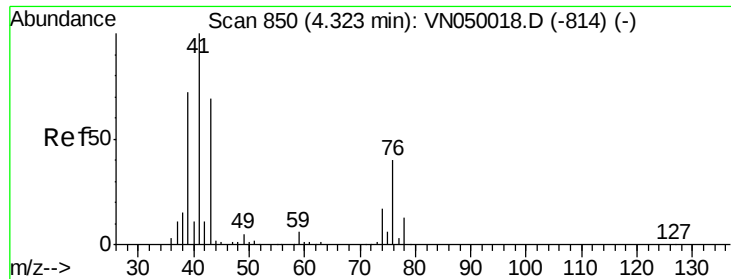
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

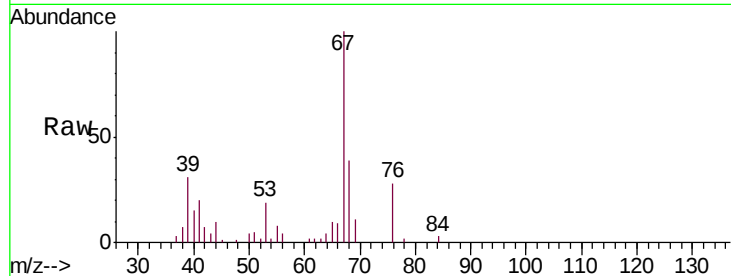




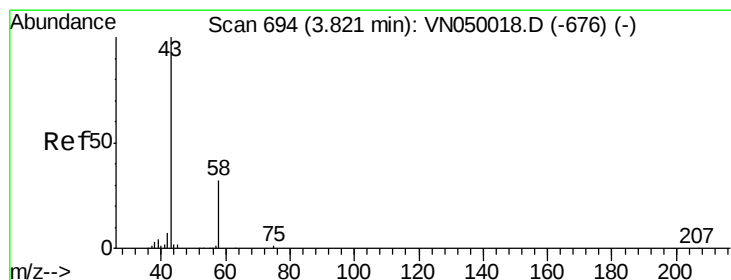
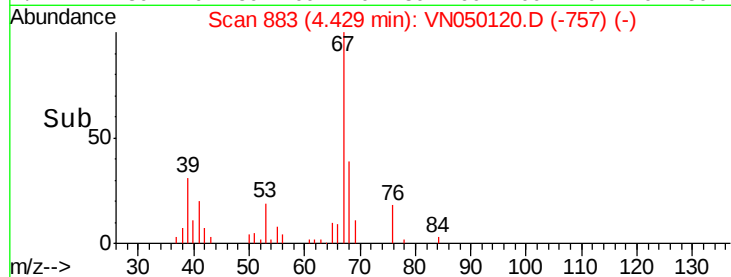
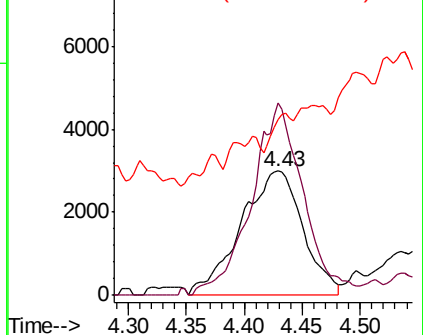
#14
Allvl chloride
Concen: 0.72 ua/l
RT: 4.43 min Scan# 883
Delta R.T. 0.11 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Instrument :
MSVOA_N
ClientSampled :
MW-3B

Tot Ion: 41 Resp: 11140
Ion Ratio Lower Upper
41 100
39 129.5 54.2 81.4#
76 7.3 29.0 43.6#

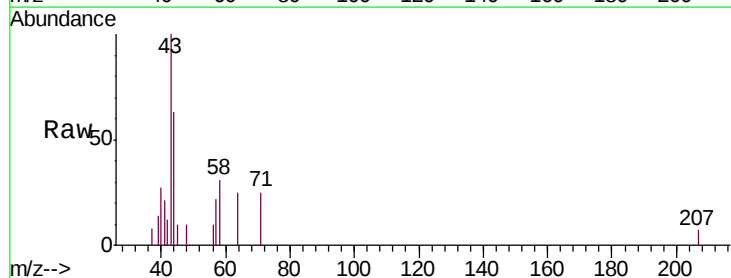


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO

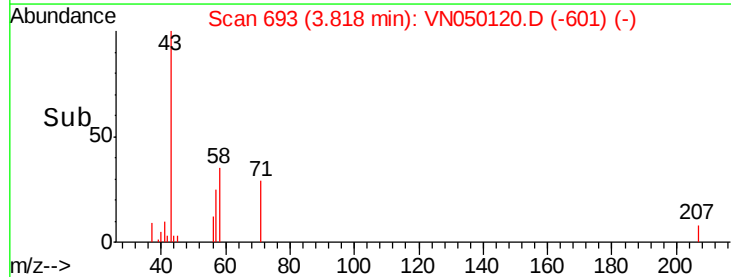
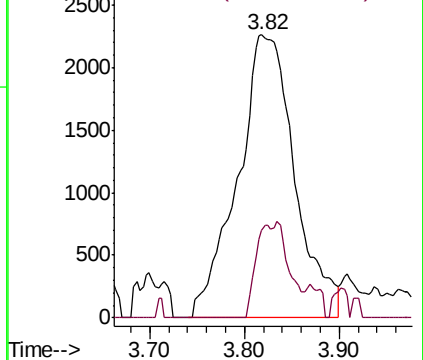


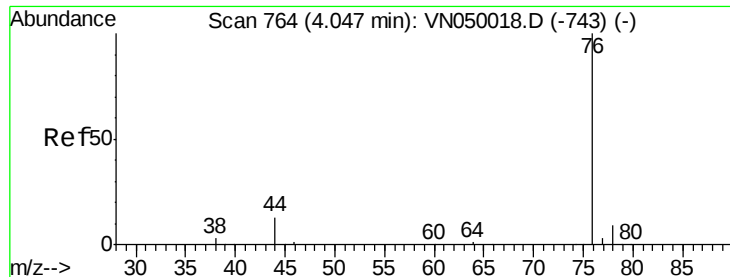
#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 693
Delta R.T. -0.01 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Tgt Ion: 43 Resp: 9482
Ion Ratio Lower Upper
43 100
58 31.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

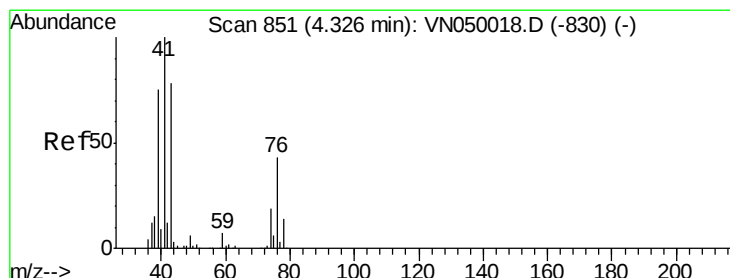
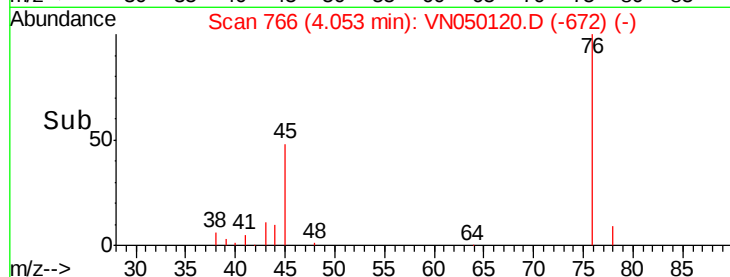
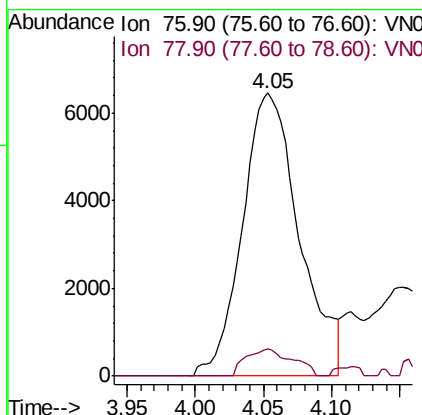
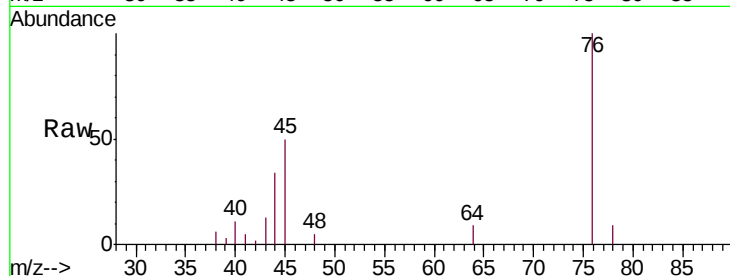




#17
Carbon Disulfide
Concen: 0.61 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

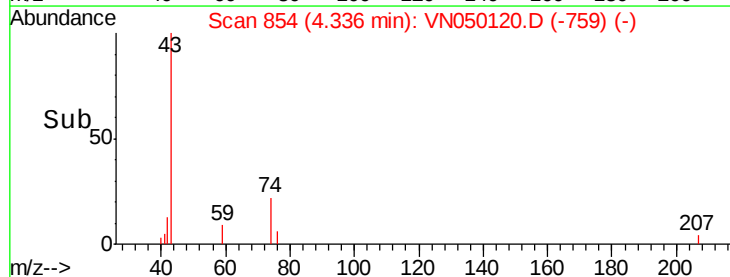
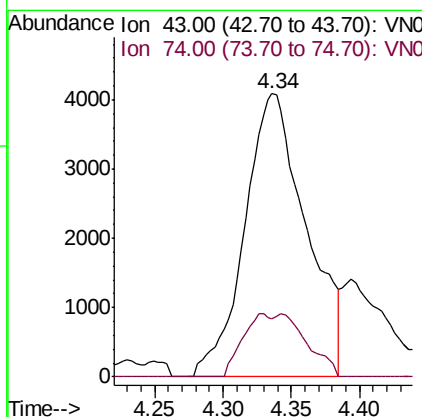
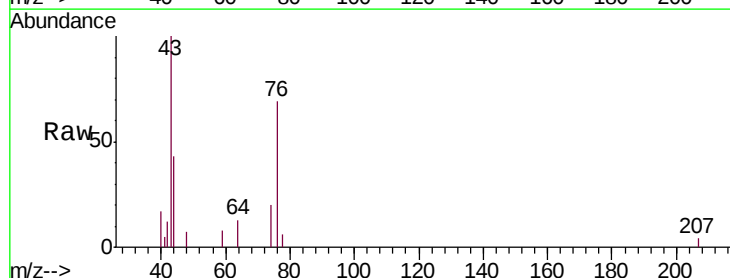
Instrument :
MSVOA_N
ClientSampled :
MW-3B

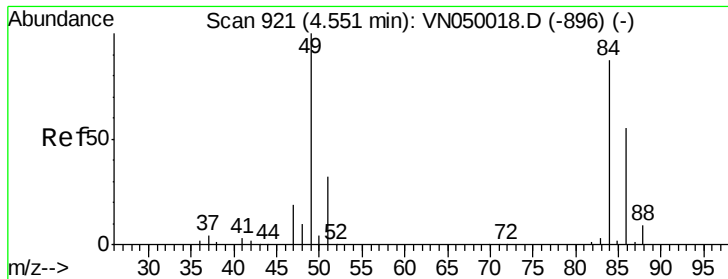
Tot Ion: 76 Resp: 18699
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Tgt Ion: 43 Resp: 12819
Ion Ratio Lower Upper
43 100
74 10.7 19.2 28.8#

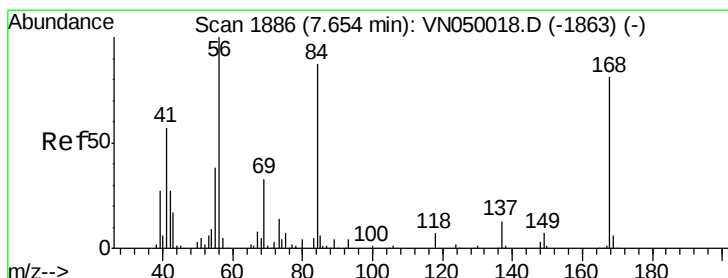
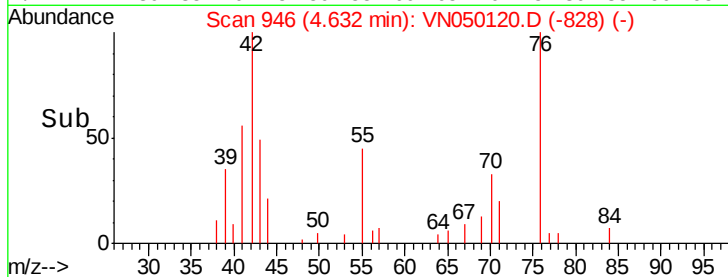
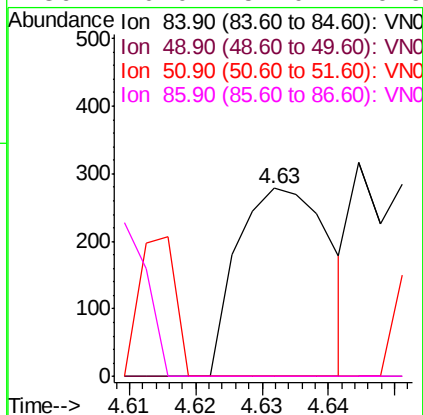
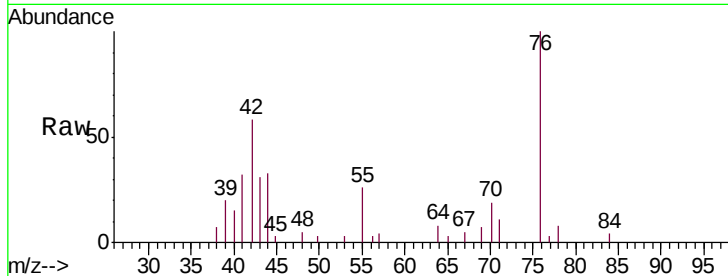




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.63 min Scan# 946
Delta R.T. 0.08 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

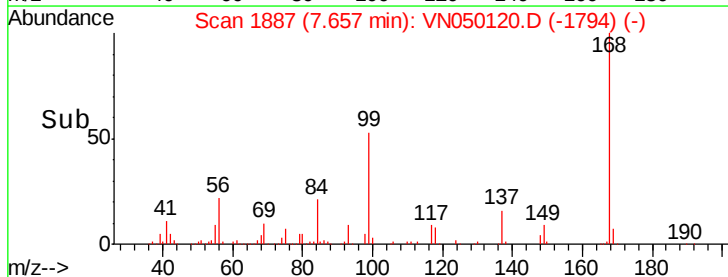
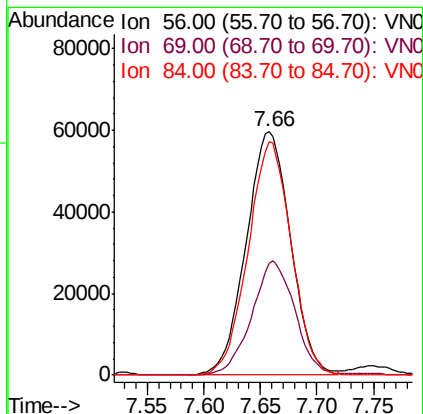
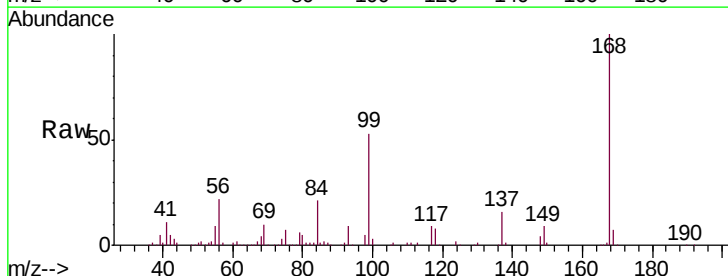
Instrument :
MSVOA_N
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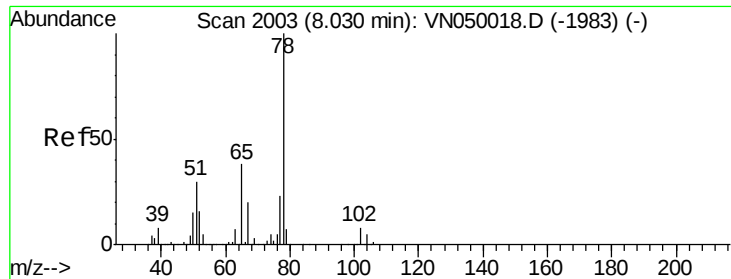
Tot Ion: 84 Resp: 269
Ion Ratio Lower Upper
84 100
49 0.0 94.8 142.2#
51 0.0 28.3 42.5#
86 0.0 51.0 76.6#



#31
Cyclohexane
Concen: 9.75 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Tgt Ion: 56 Resp: 162949
Ion Ratio Lower Upper
56 100
69 45.9 26.2 39.4#
84 96.0 67.4 101.0





#33

1,2-Dichloroethane-d4

Concen: 43.86 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampled :

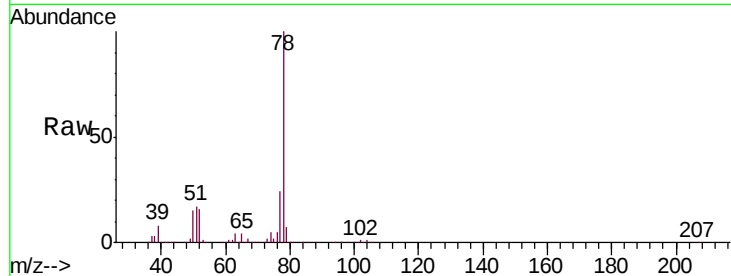
MW-3B

Tot Ion: 65 Resp: 529154

Ion Ratio Lower Upper

65 100

67 53.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050120.D (-2084) (-)

Ion 66.90 (66.60 to 67.60): VN050120.D (-2084) (-)

8.03

250000

200000

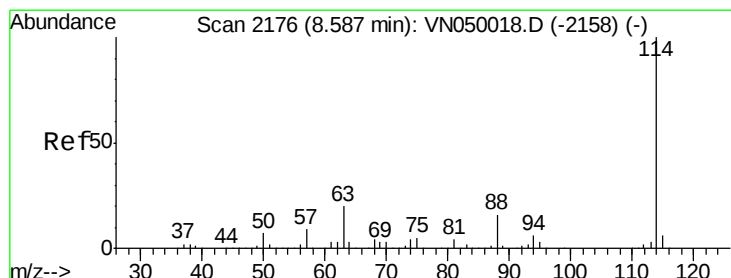
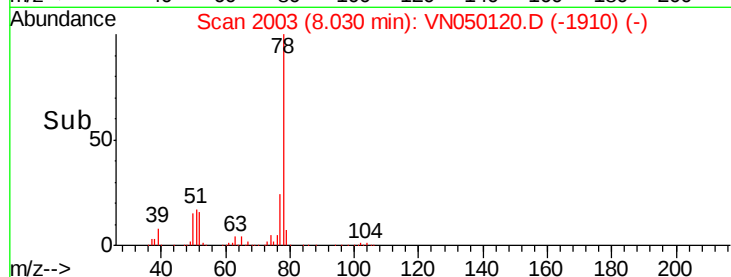
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Tgt Ion: 114 Resp: 1282189

Ion Ratio Lower Upper

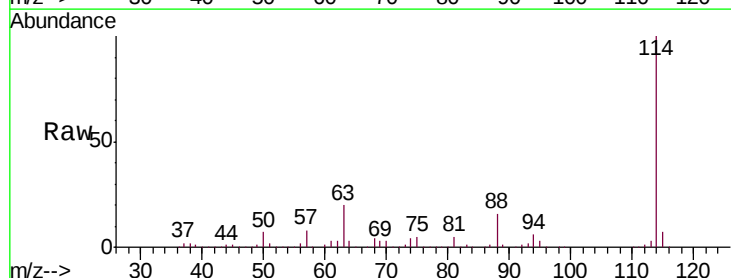
114 100

63 19.6

0.0 40.0

88 15.7

0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050120.D (-2084) (-)

Ion 63.00 (62.70 to 63.70): VN050120.D (-2084) (-)

Ion 87.90 (87.60 to 88.60): VN050120.D (-2084) (-)

8.59

800000

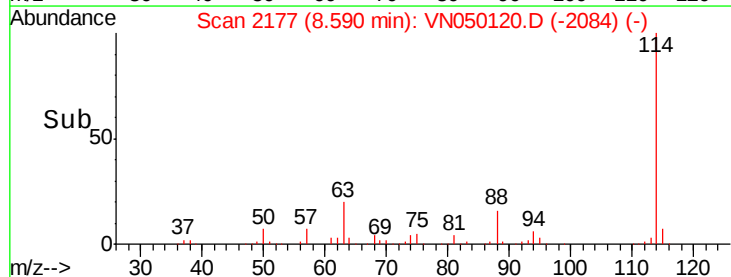
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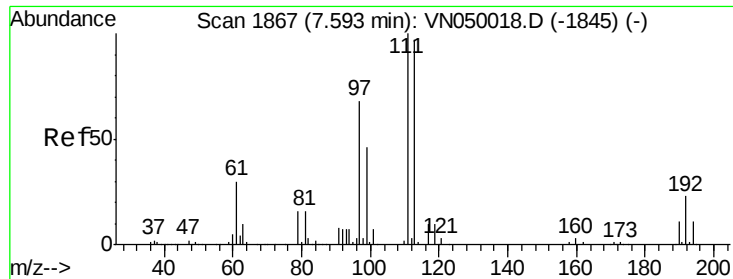
400000

200000

0

Time--> 8.50 8.60 8.70

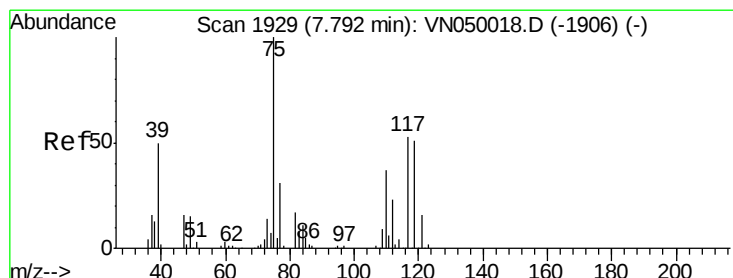
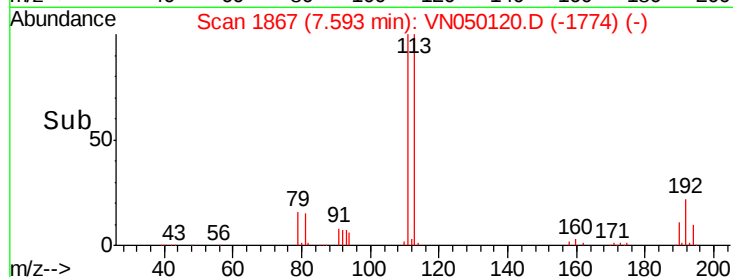
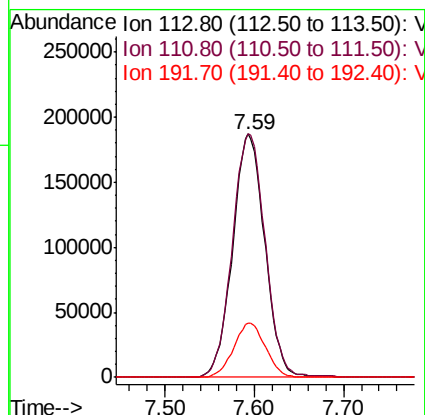
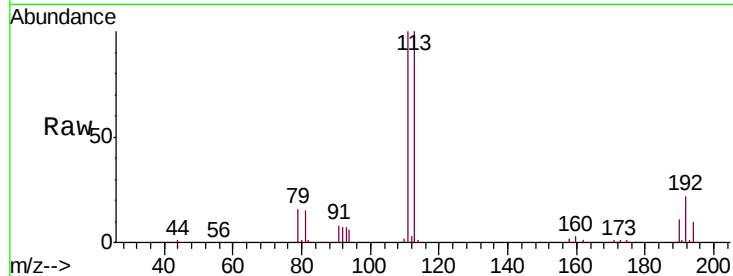




#35
 Dibromofluoromethane
 Concen: 44.69 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050120.D
 Acq: 27 Jul 2018 7:47

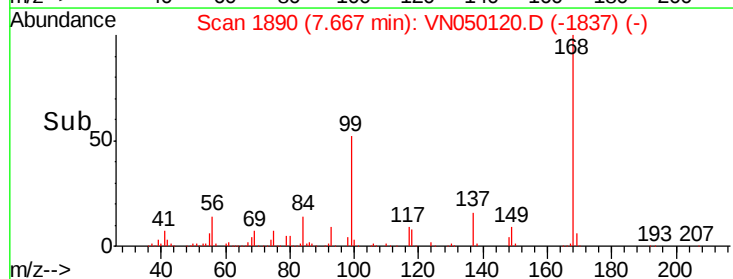
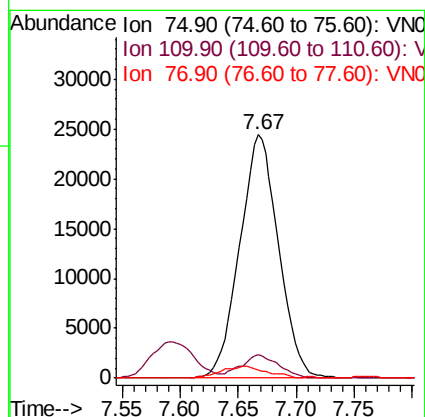
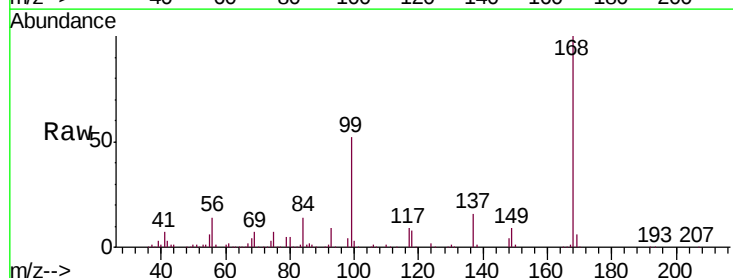
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3B

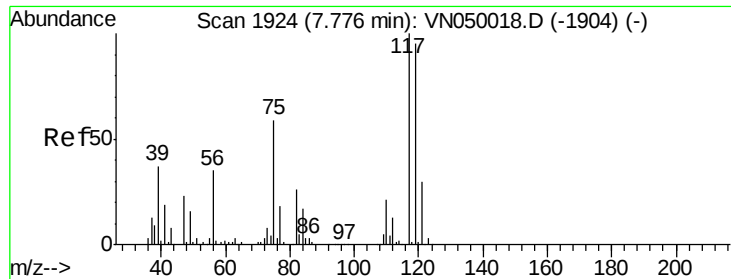
Tot Ion:113 Resp: 467829
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.7 121.1
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.94 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050120.D
 Acq: 27 Jul 2018 7:47

Tgt Ion: 75 Resp: 56895
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.94 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampled :

MW-3B

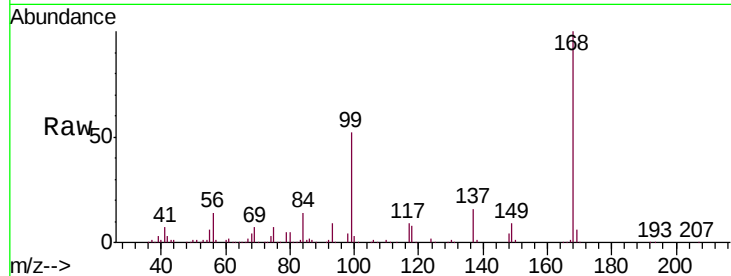
Tot Ion:117 Resp: 75733

Ion Ratio Lower Upper

117 100

119 4.9 77.4 116.0#

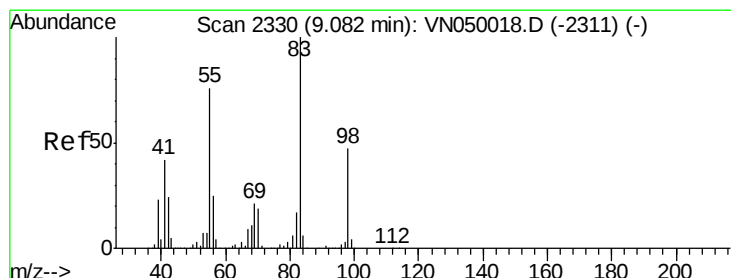
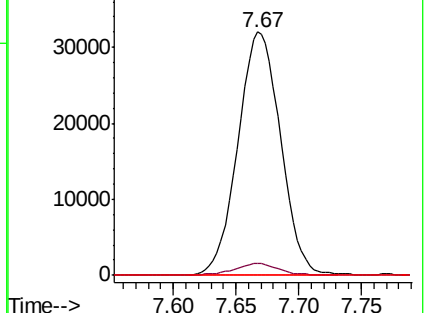
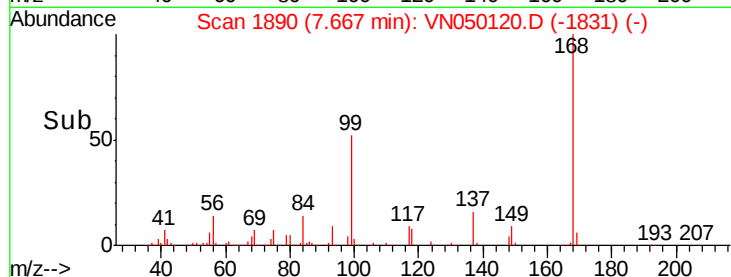
121 0.0 23.9 35.9#



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: 15.86 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

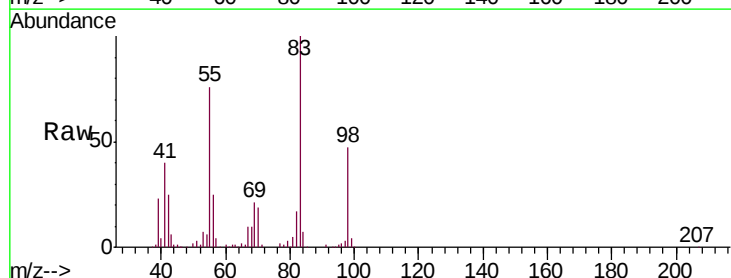
Tgt Ion: 83 Resp: 235624

Ion Ratio Lower Upper

83 100

55 75.8 61.8 92.8

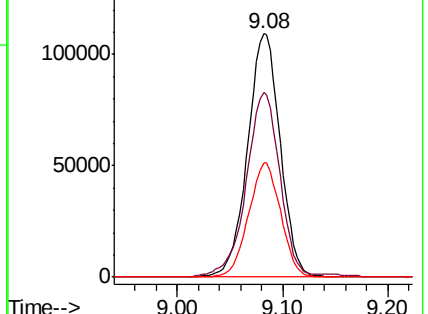
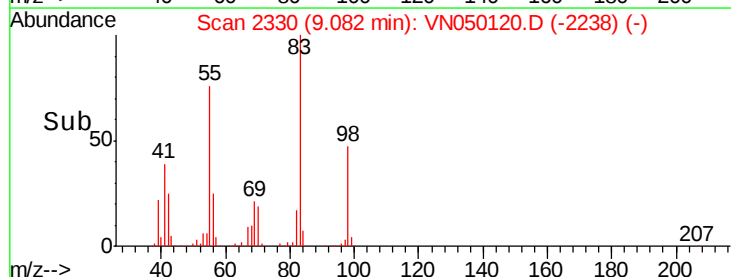
98 46.9 36.5 54.7

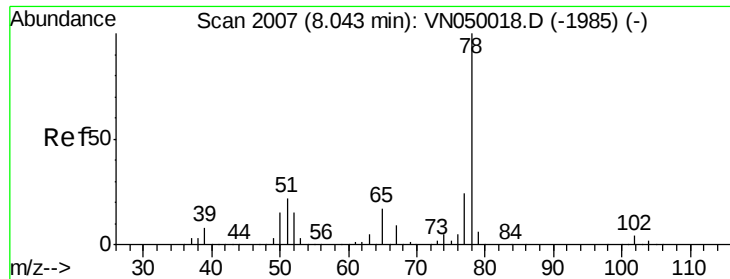


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 469.72 ug/l

RT: 8.04 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampled :

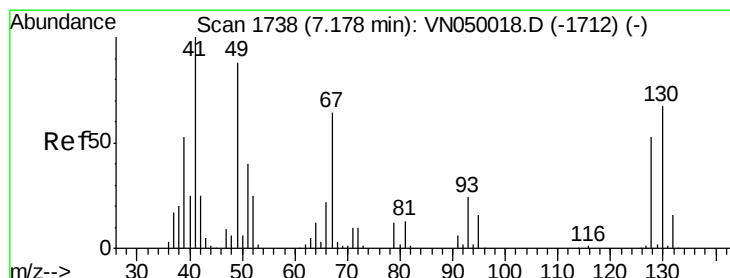
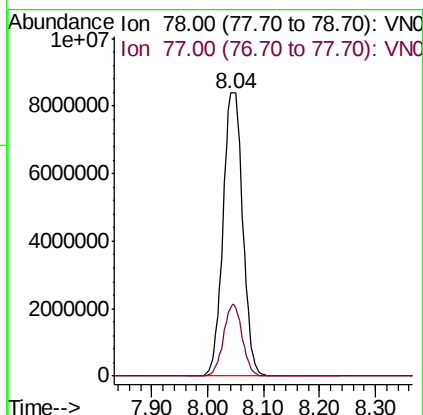
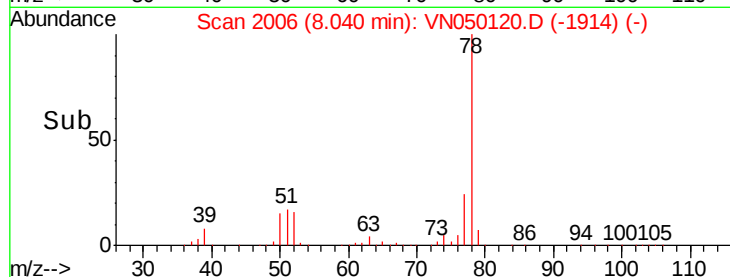
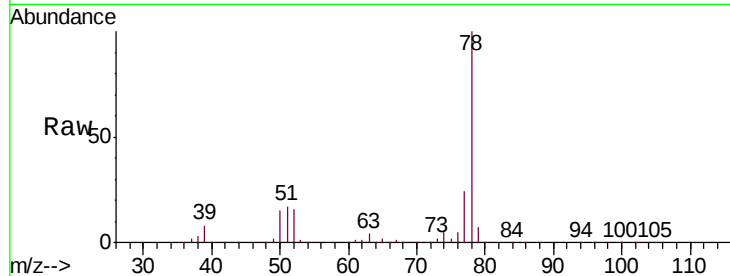
MW-3B

Tot Ion: 78 Resp:20647645

Ion Ratio Lower Upper

78 100

77 24.2 18.7 28.1



#41

Methacrylonitrile

Concen: 2.77 ug/l

RT: 7.17 min Scan# 1735

Delta R.T. -0.01 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Tgt Ion: 41 Resp: 130

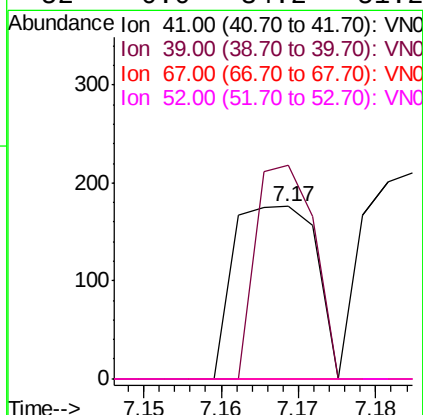
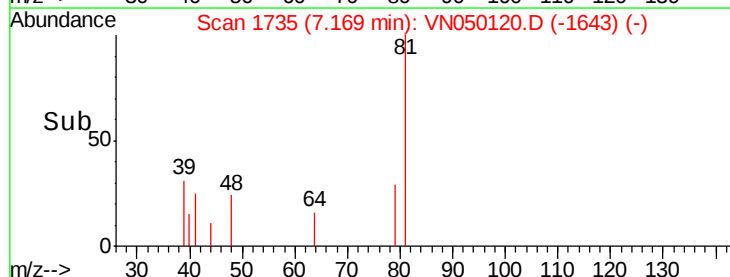
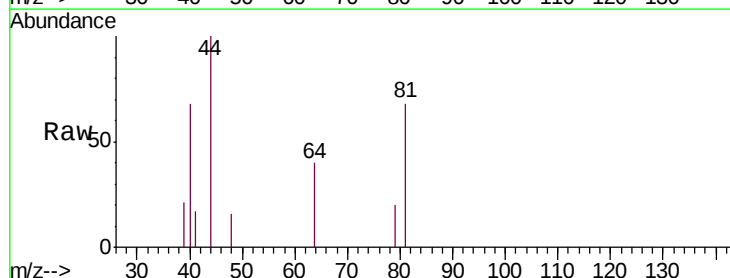
Ion Ratio Lower Upper

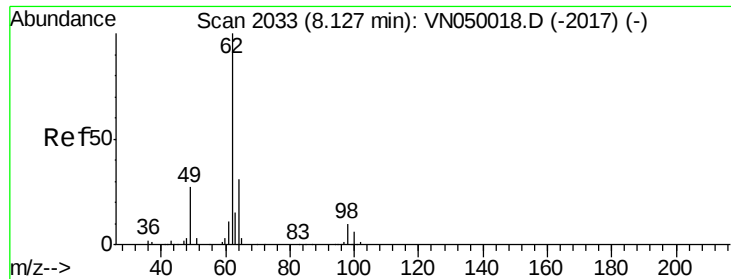
41 100

39 88.5 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#





#42

1,2-Dichloroethane

Concen: 11.52 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. -0.08 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampleId :

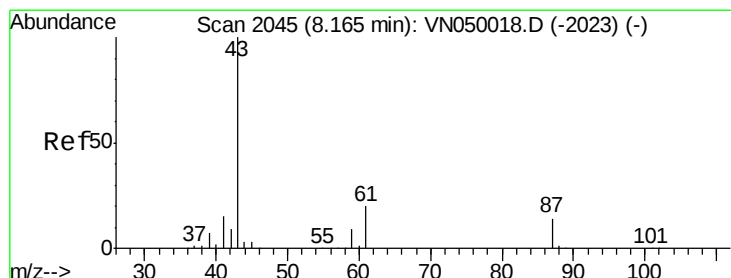
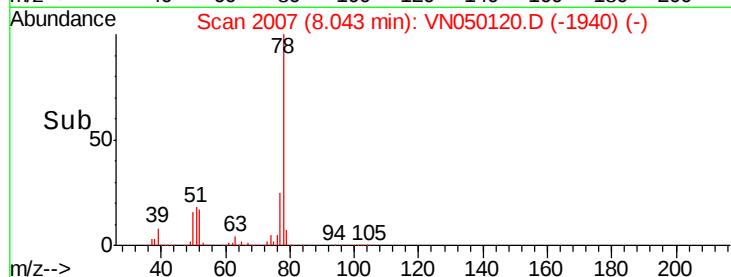
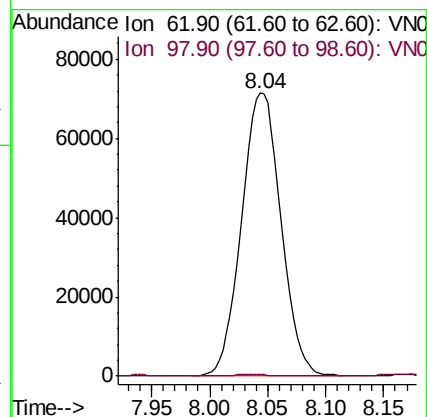
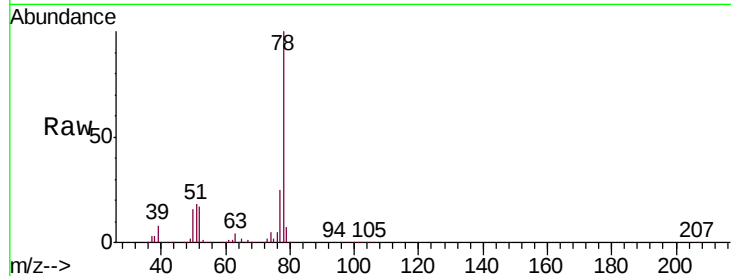
MW-3B

Tot Ion: 62 Resp: 168984

Ion Ratio Lower Upper

62 100

98 0.5 0.0 18.8



#43

Isopropyl Acetate

Concen: 10.72 ug/l

RT: 8.24 min Scan# 2068

Delta R.T. 0.07 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

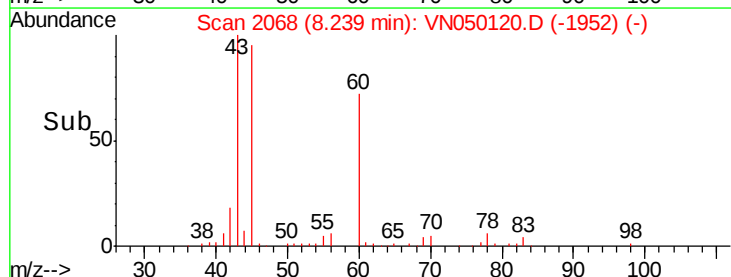
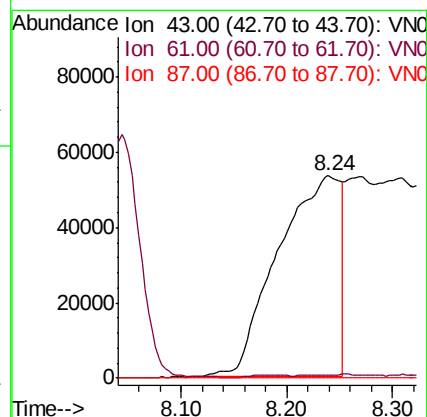
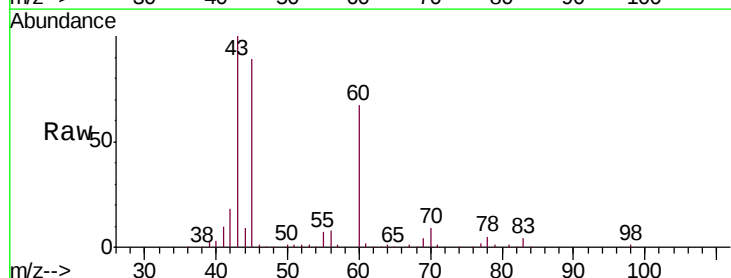
Tgt Ion: 43 Resp: 220489

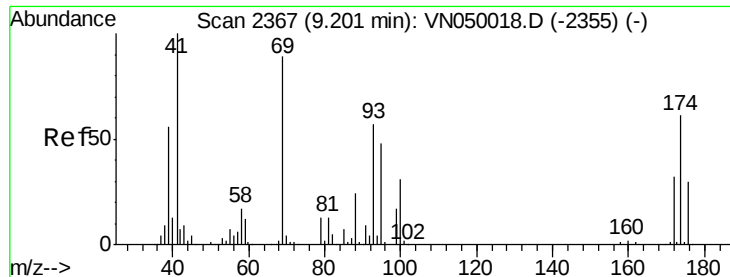
Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 10.3 15.5#

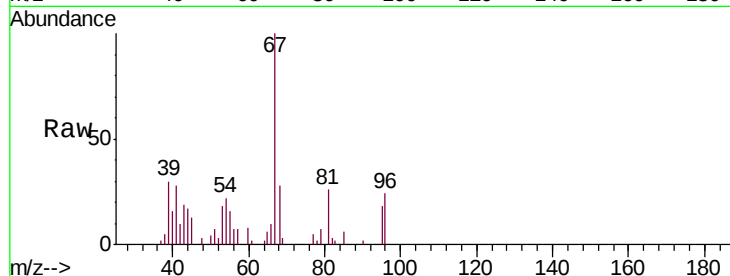




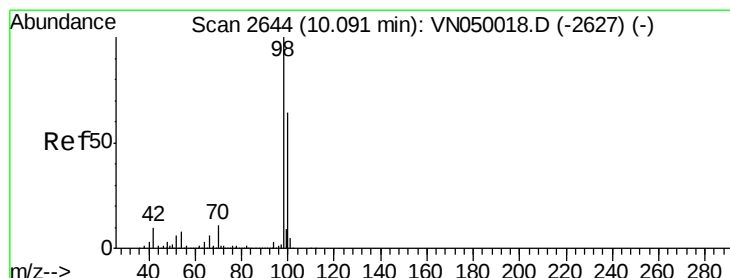
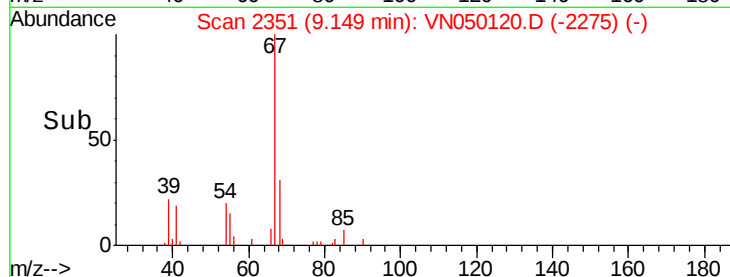
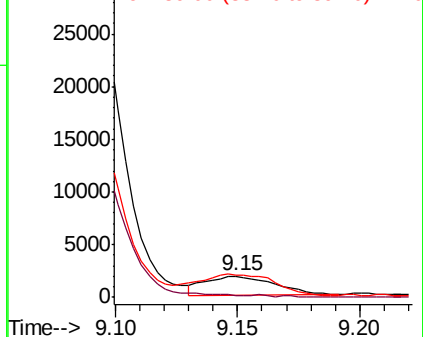
#48
Methvl methacrylate
Concen: 0.41 ug/l
RT: 9.15 min Scan# 2351
Delta R.T. -0.05 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Instrument :
MSVOA_N
ClientSampleId :
MW-3B

Tot Ion: 41 Resp: 3519
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 125.9 43.9 65.9#

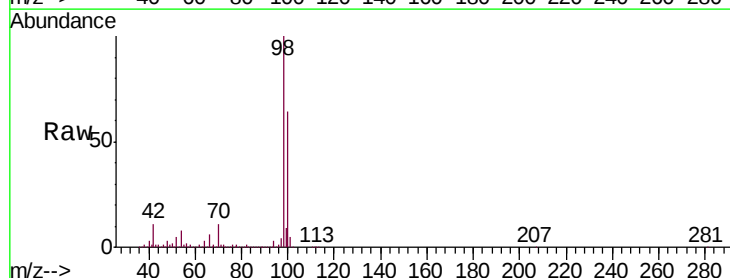


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

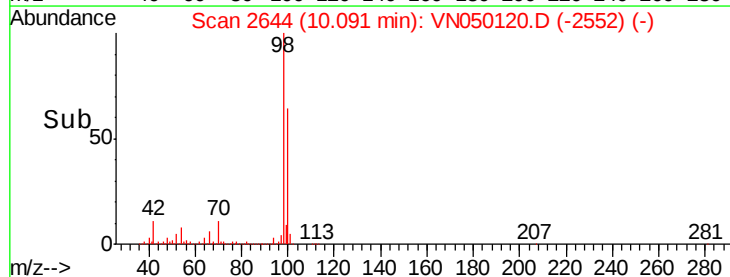
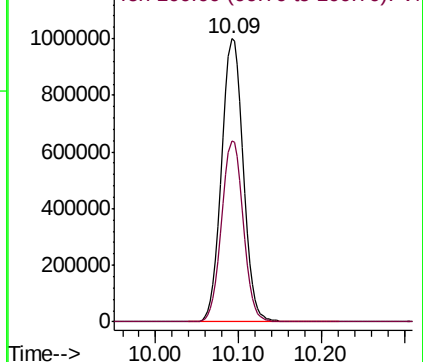


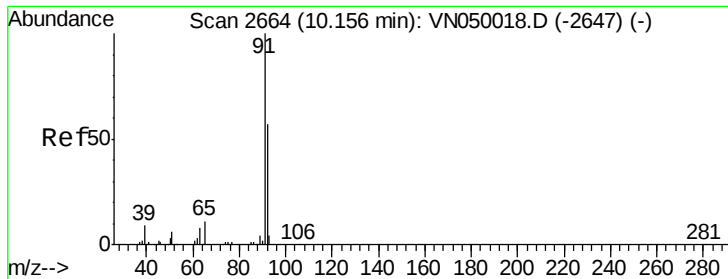
#50
Toluene-d8
Concen: 46.94 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Tgt Ion: 98 Resp: 1806449
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VNC
Ion 100.00 (99.70 to 100.70): VNC





#52

Toluene

Concen: 79.92 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampled :

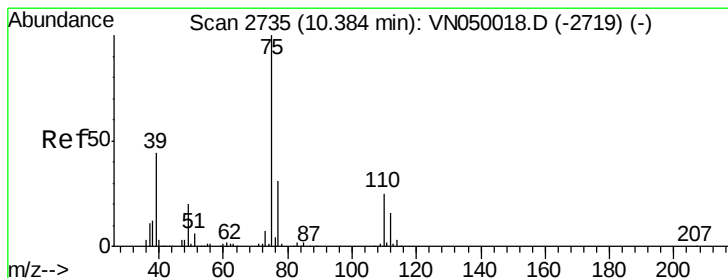
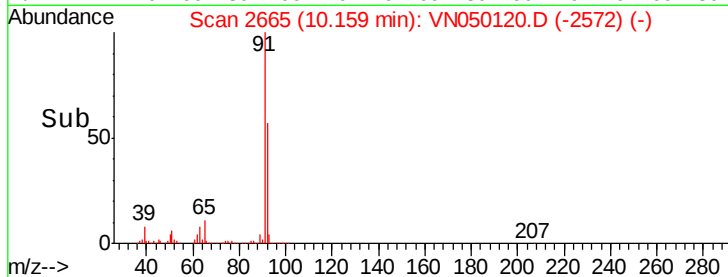
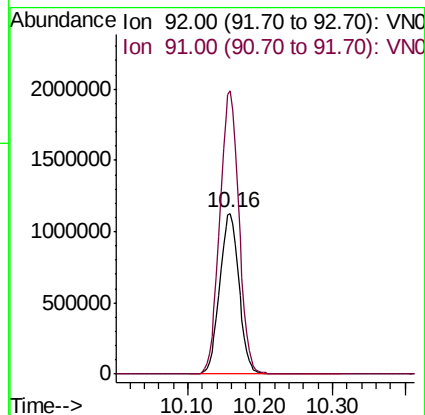
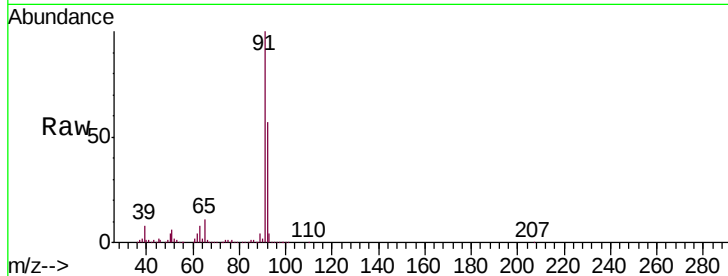
MW-3B

Tot Ion: 92 Resp: 2073803

Ion Ratio Lower Upper

92 100

91 174.7 140.3 210.5



#53

t-1,3-Dichloropropene

Concen: 1.62 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.22 min

Lab File: VN050120.D

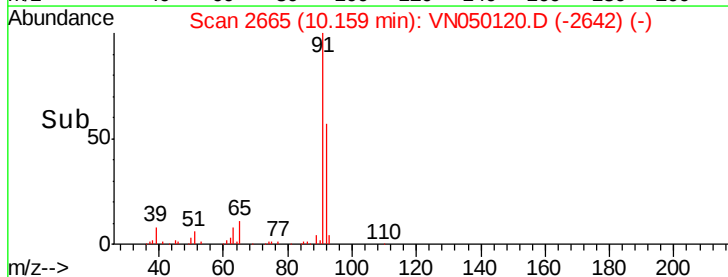
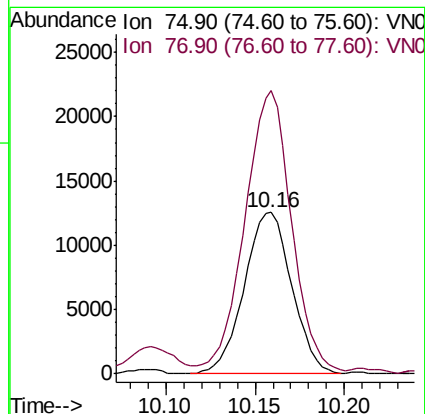
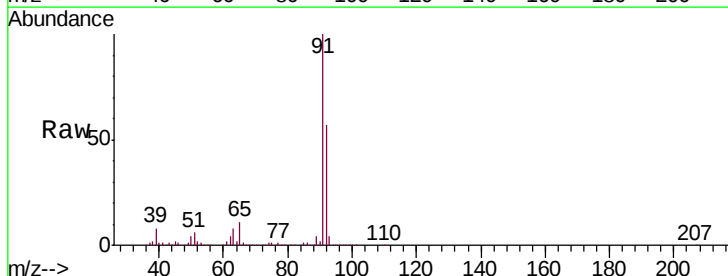
Acq: 27 Jul 2018 7:47

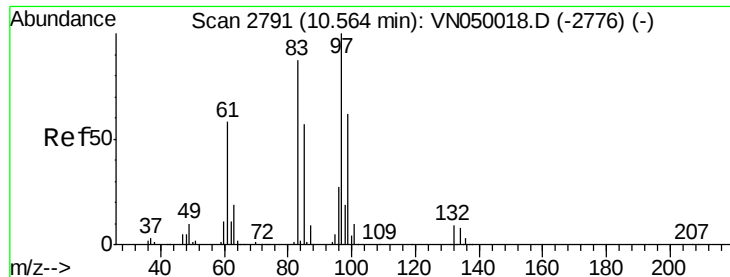
Tgt Ion: 75 Resp: 23368

Ion Ratio Lower Upper

75 100

77 172.9 24.9 37.3#





#55

1,1,2-Trichloroethane

Concen: 1.14 ug/l

RT: 10.54 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampleId :

MW-3B

Tot Ion: 97 Resp: 11745

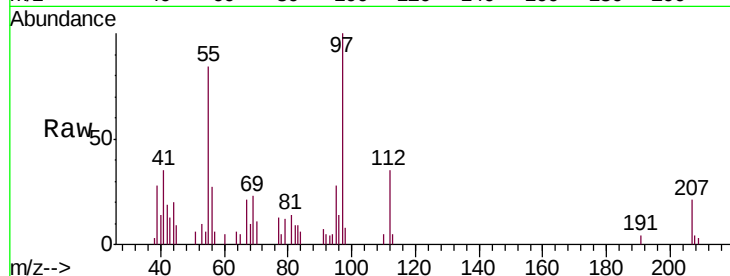
Ion Ratio Lower Upper

97 100

83 8.9 69.2 103.8#

85 0.0 44.0 66.0#

99 0.0 49.9 74.9#

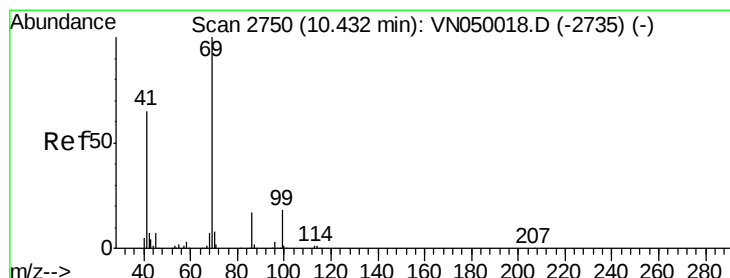
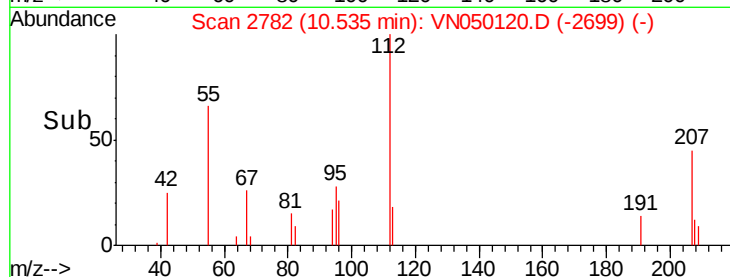
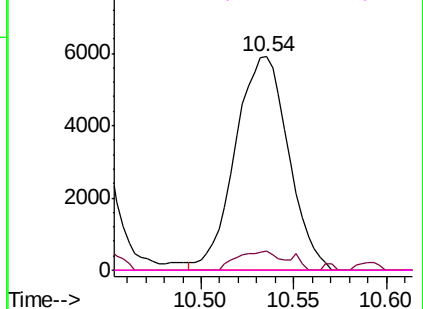


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 2.31 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

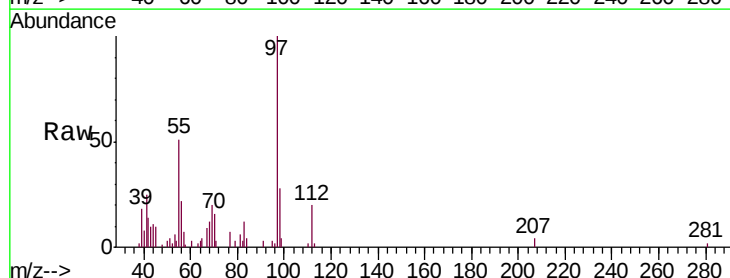
Tgt Ion: 69 Resp: 4068

Ion Ratio Lower Upper

69 100

41 102.4 51.0 76.4#

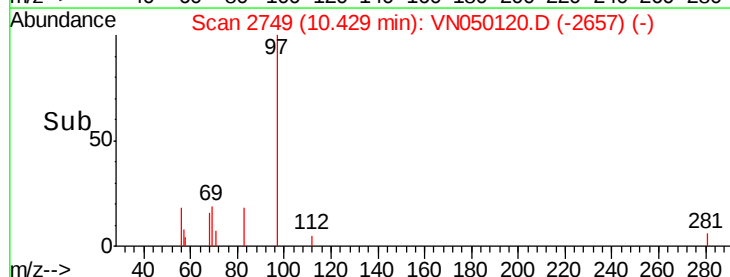
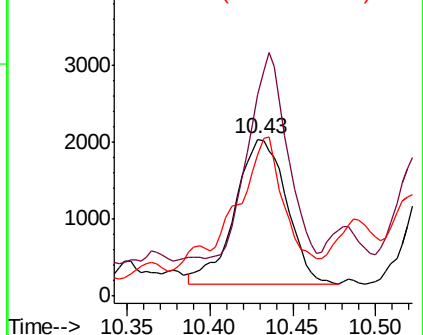
39 0.0 26.6 40.0#

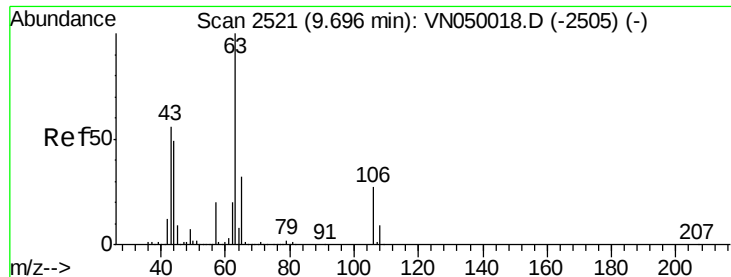


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

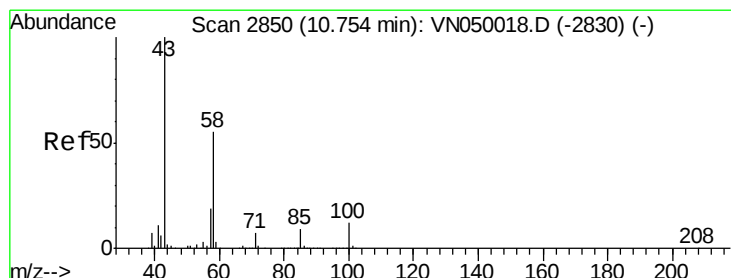
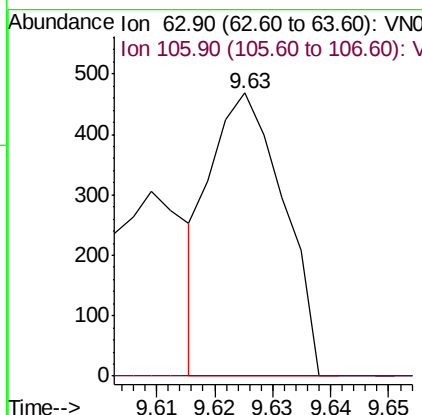
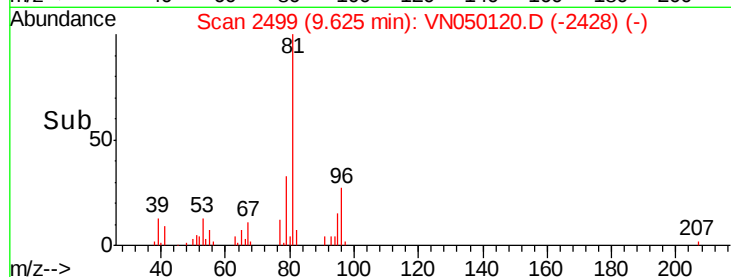
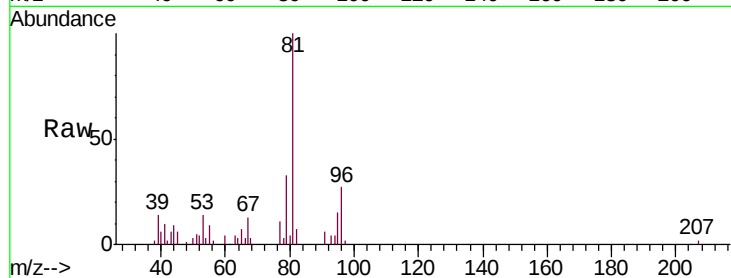




#58
 2-Chloroethyl Vinyl ether
 Concen: 8.59 ug/l
 RT: 9.63 min Scan# 2499
 Delta R.T. -0.07 min
 Lab File: VN050120.D
 Acq: 27 Jul 2018 7:47

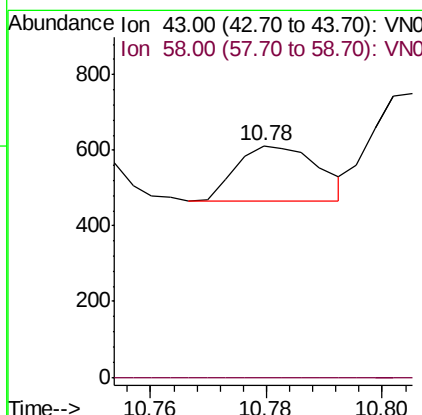
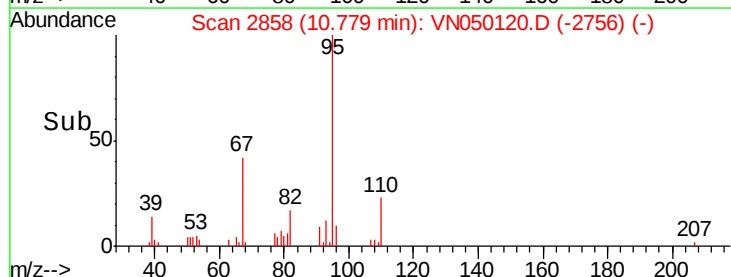
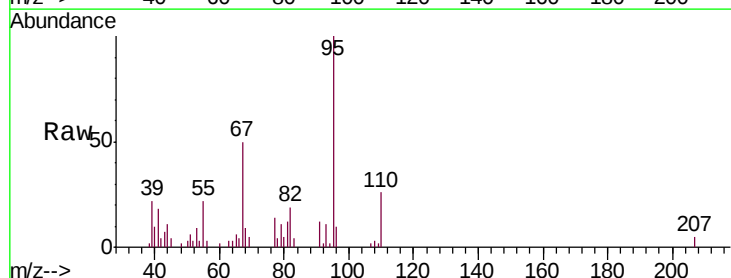
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3B

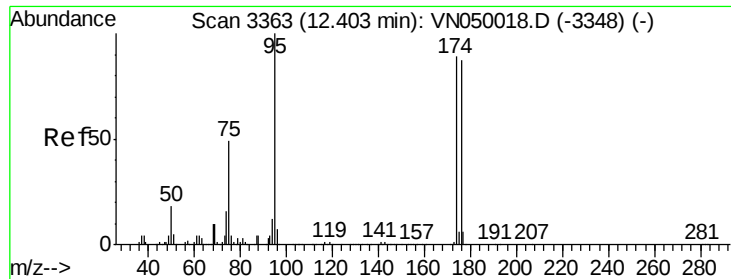
Tot Ion: 63 Resp: 408
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.7 32.5#



#59
 2-Hexanone
 Concen: 5.19 ug/l
 RT: 10.78 min Scan# 2858
 Delta R.T. 0.03 min
 Lab File: VN050120.D
 Acq: 27 Jul 2018 7:47

Tgt Ion: 43 Resp: 143
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.6 82.7#

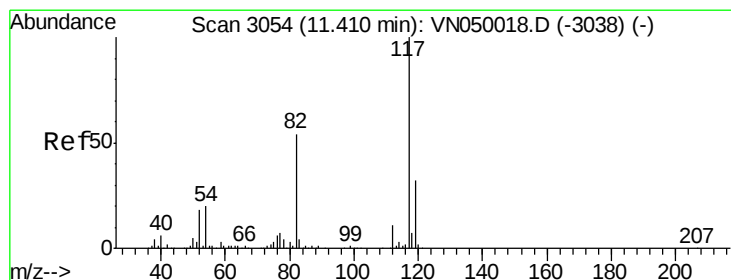
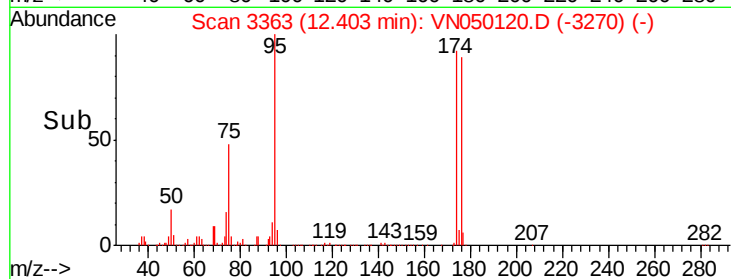
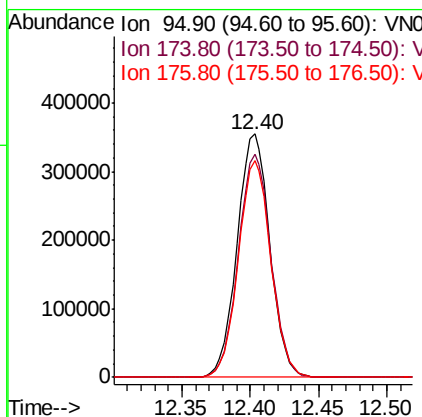
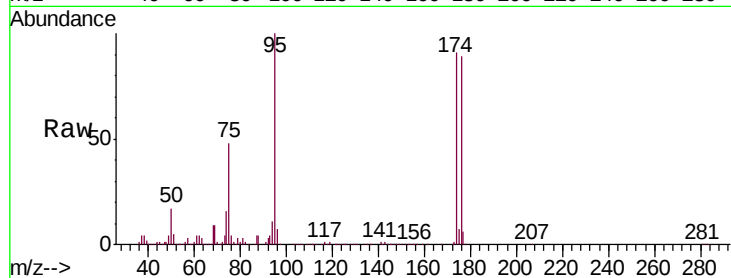




#62
4-Bromofluorobenzene
Concen: 46.51 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

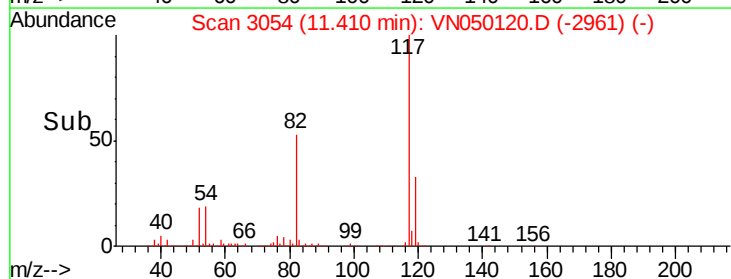
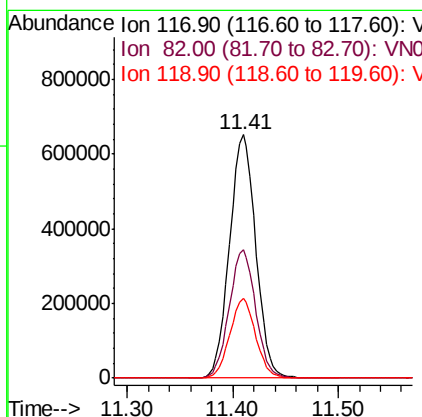
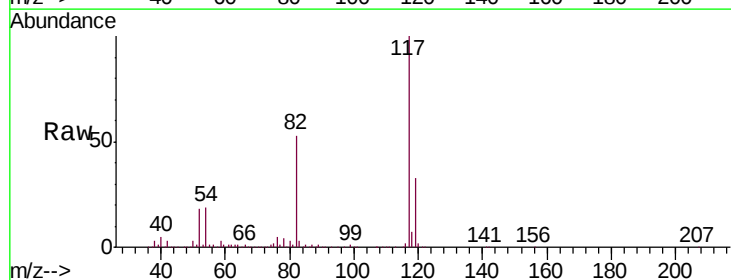
Instrument :
MSVOA_N
ClientSampleId :
MW-3B

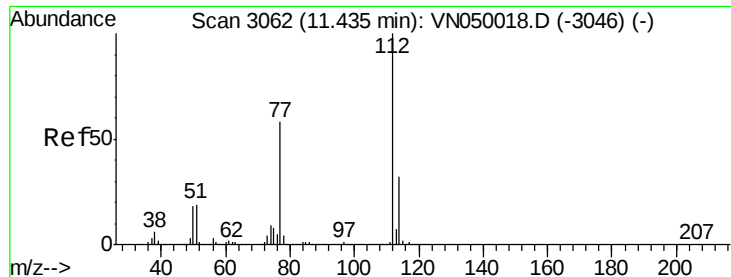
Tot Ion: 95 Resp: 589389
Ion Ratio Lower Upper
95 100
174 91.5 0.0 178.2
176 88.5 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Tgt Ion: 117 Resp: 1122197
Ion Ratio Lower Upper
117 100
82 52.7 43.7 65.5
119 32.6 26.1 39.1

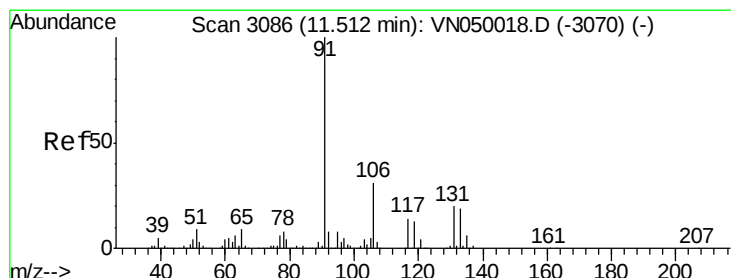
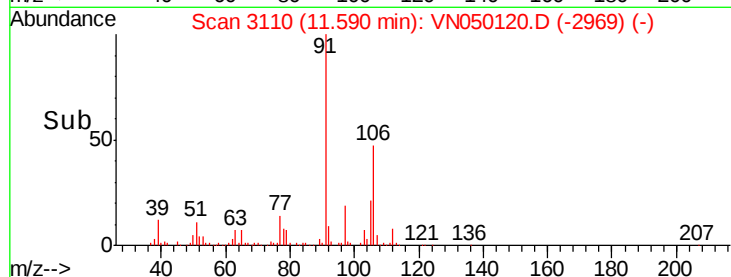
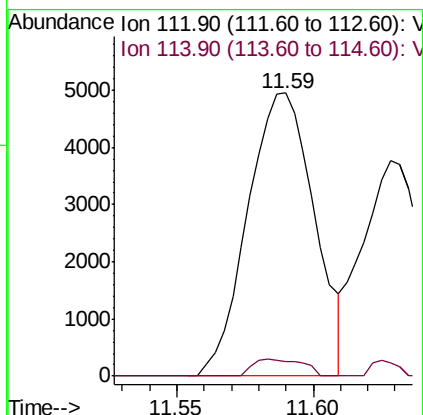
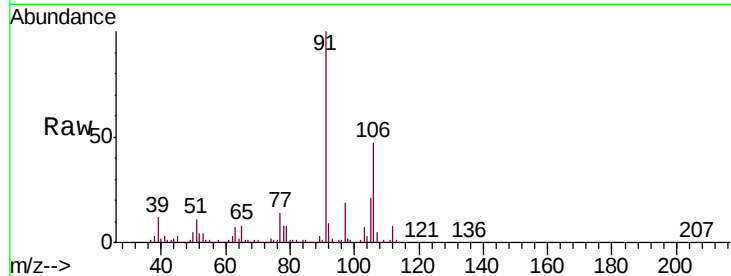




#65
Chlorobenzene
Concen: 0.30 ug/l
RT: 11.59 min Scan# 3110
Delta R.T. 0.15 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

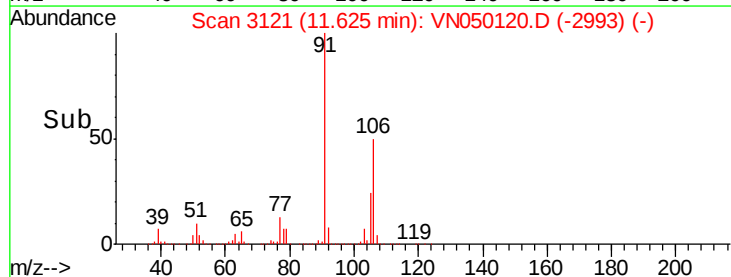
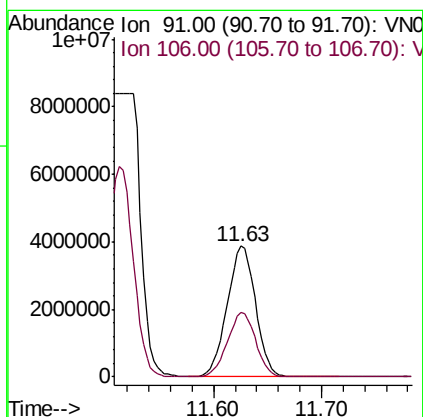
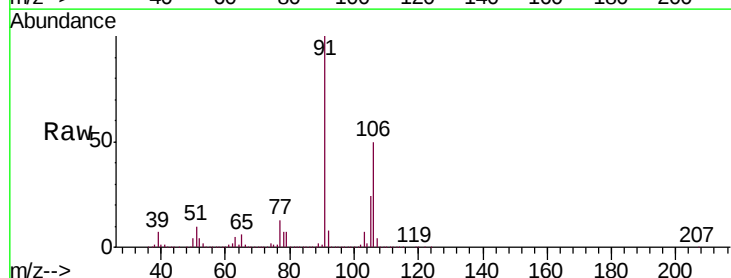
Instrument :
MSVOA_N
ClientSampled :
MW-3B

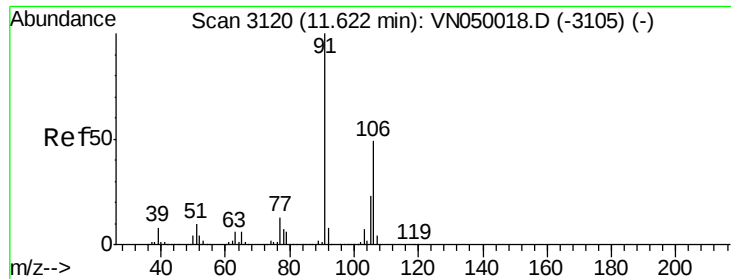
Tot Ion:112 Resp: 8396
Ion Ratio Lower Upper
112 100
114 5.4 25.6 38.4#



#67
Ethyl Benzene
Concen: 155.99 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.11 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Tgt Ion: 91 Resp: 7103037
Ion Ratio Lower Upper
91 100
106 49.6 25.0 37.4#

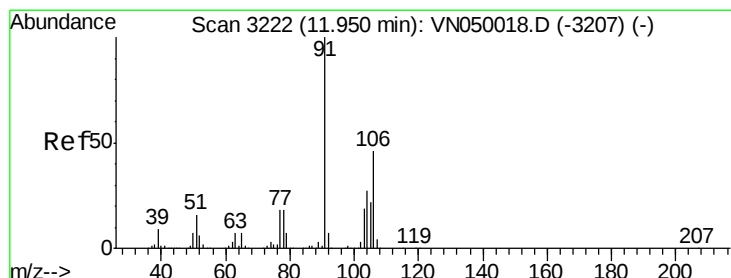
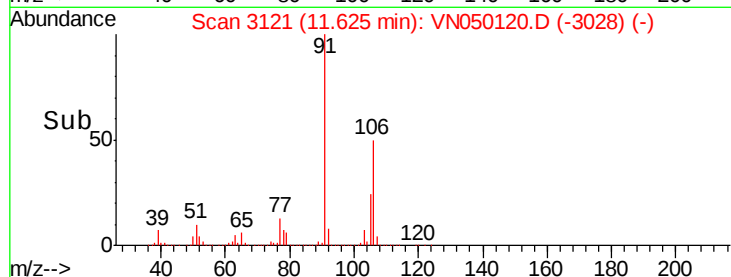
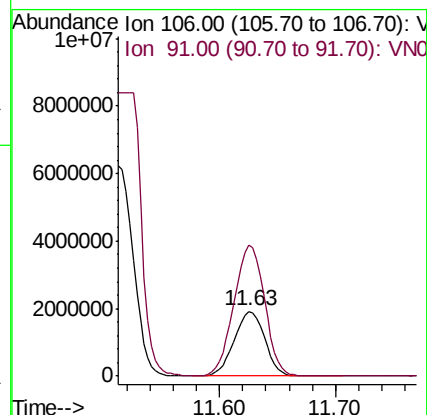
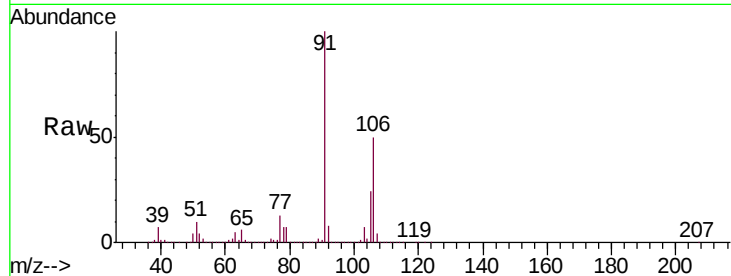




#68
m/p-Xylenes
Concen: 204.15 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

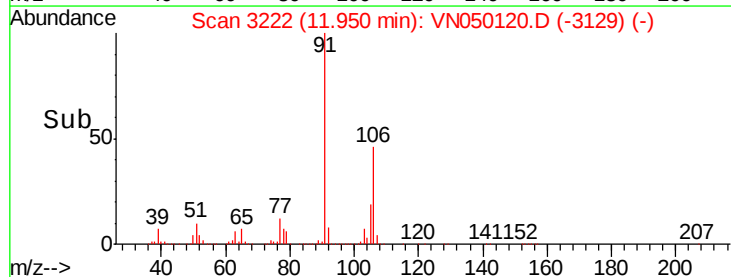
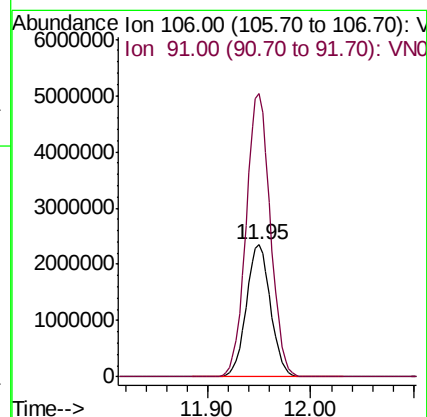
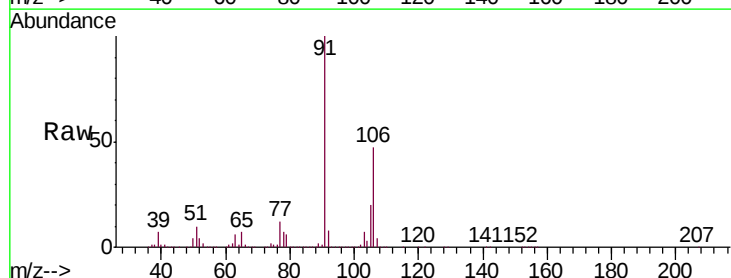
Instrument :
MSVOA_N
ClientSampled :
MW-3B

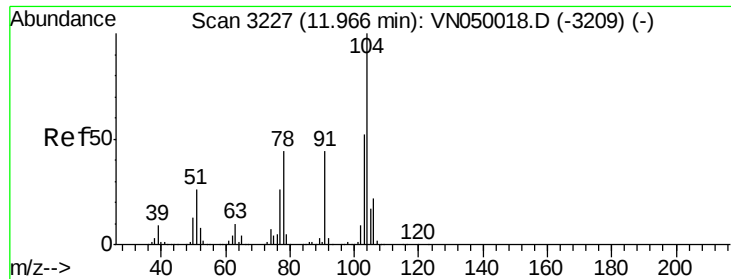
Tot Ion:106 Resp: 3516094
Ion Ratio Lower Upper
106 100
91 202.0 162.2 243.2



#69
o-Xylene
Concen: 233.10 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Tgt Ion:106 Resp: 3827156
Ion Ratio Lower Upper
106 100
91 214.5 107.7 323.1





#70

Stvrene

Concen: 10.14 ug/l

RT: 11.95 min Scan# 3223

Delta R.T. -0.01 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampleId :

MW-3B

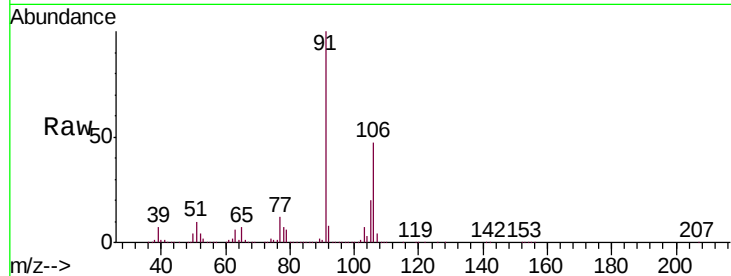
Tot Ion:104 Resp: 274068

Ion Ratio Lower Upper

104 100

78 208.5 39.3 58.9#

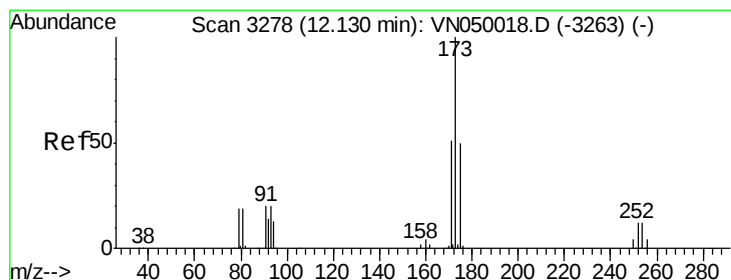
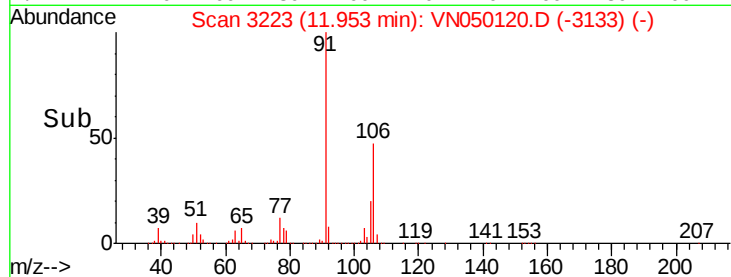
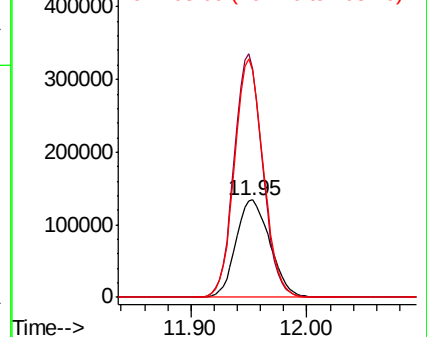
103 206.2 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.44 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

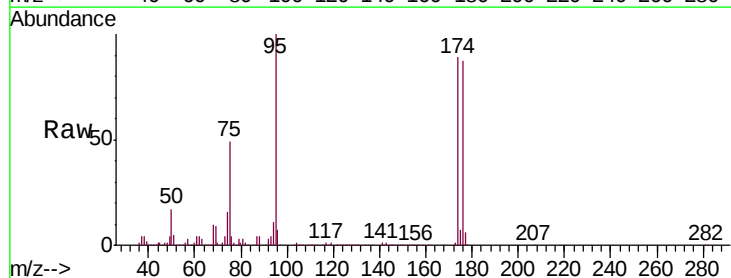
Tgt Ion:173 Resp: 3482

Ion Ratio Lower Upper

173 100

175 1025.0 24.1 72.2#

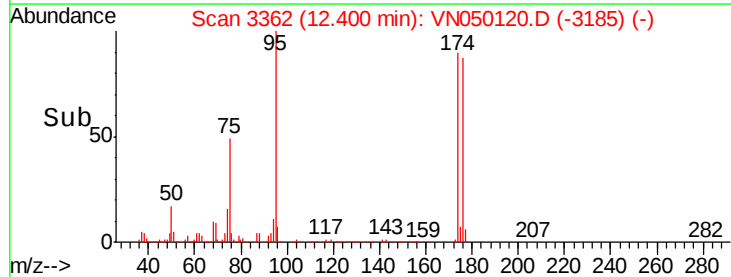
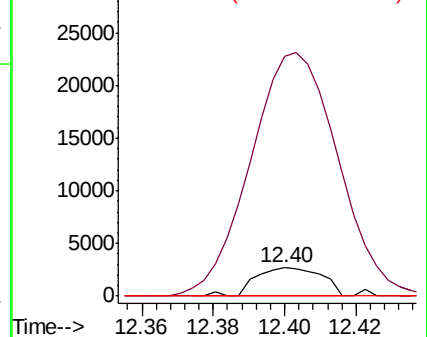
254 0.0 0.2 0.2#

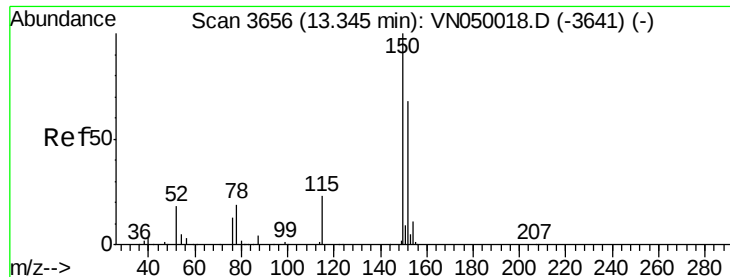


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampleId :

MW-3B

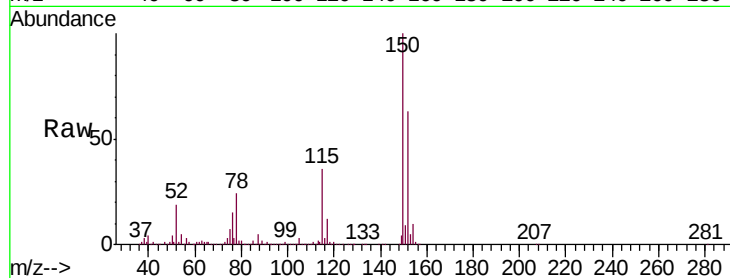
Tot Ion:152 Resp: 555262

Ion Ratio Lower Upper

152 100

115 68.1 27.8 83.3

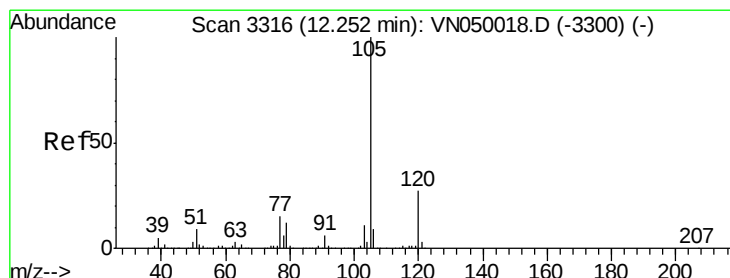
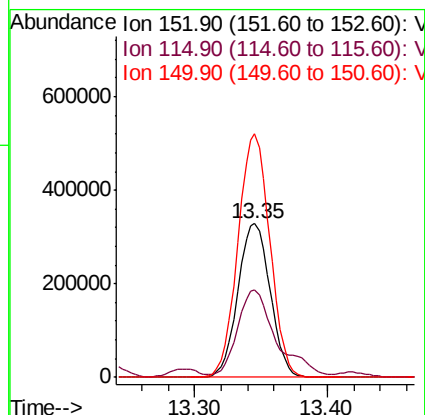
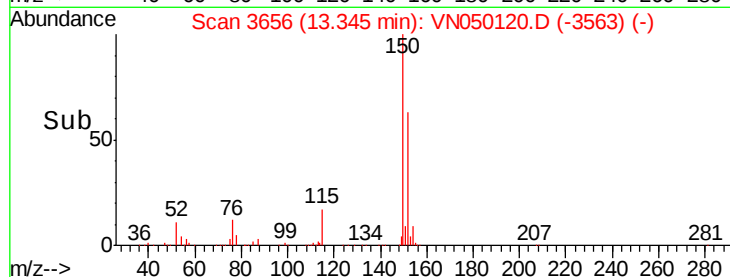
150 156.2 0.0 348.6



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: 39.74 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050120.D

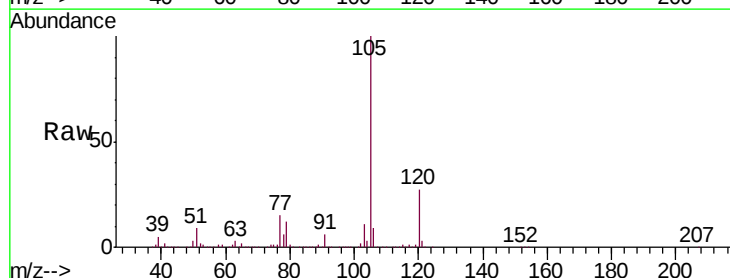
Acq: 27 Jul 2018 7:47

Tgt Ion:105 Resp: 1711311

Ion Ratio Lower Upper

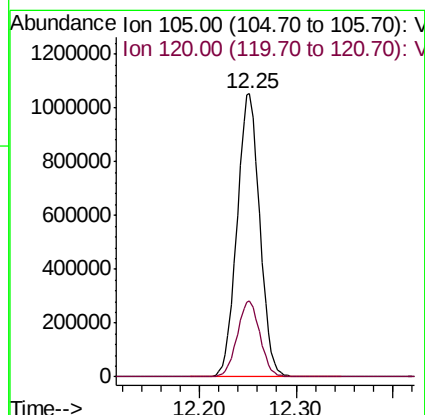
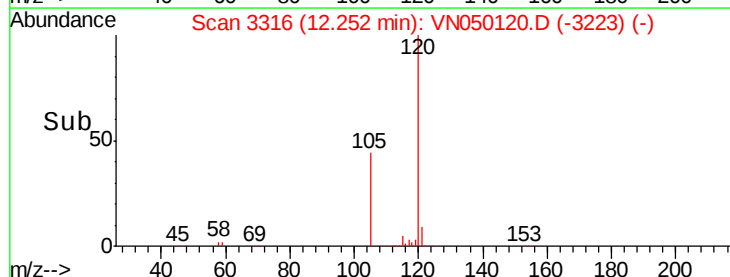
105 100

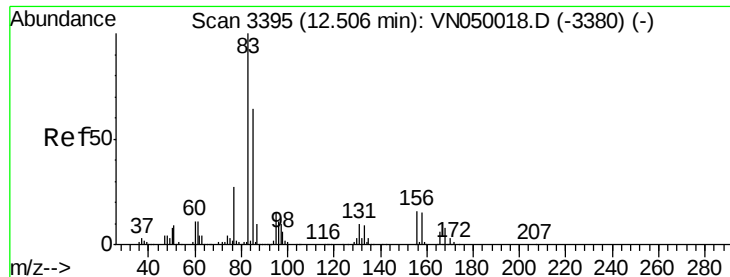
120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampled :

MW-3B

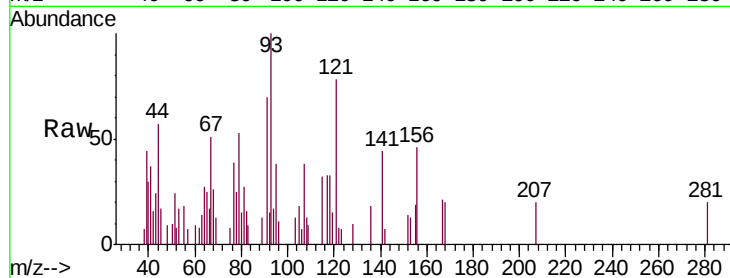
Tot Ion: 83 Resp: 167

Ion Ratio Lower Upper

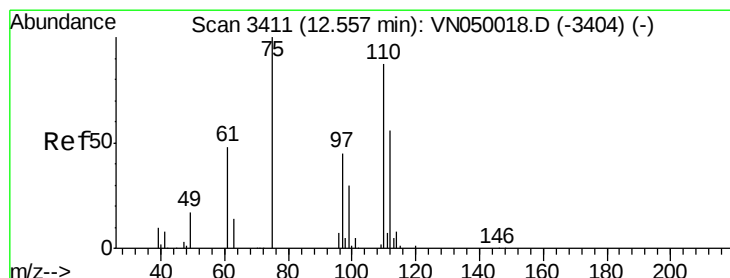
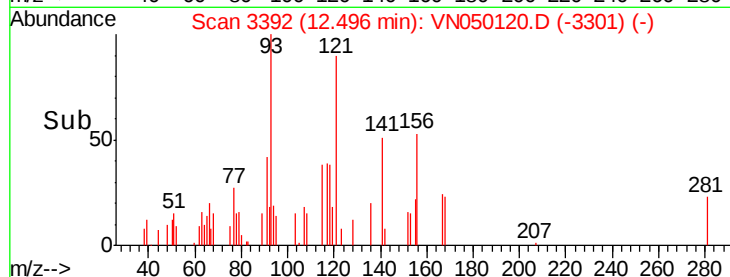
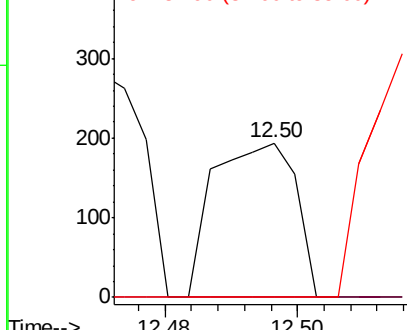
83 100

131 0.0 5.1 15.3#

85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 2.14 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. 0.10 min

Lab File: VN050120.D

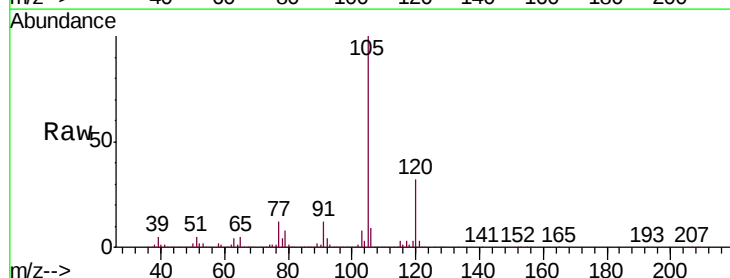
Acq: 27 Jul 2018 7:47

Tgt Ion: 75 Resp: 22130

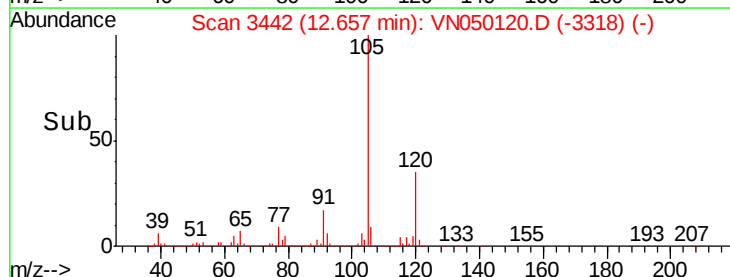
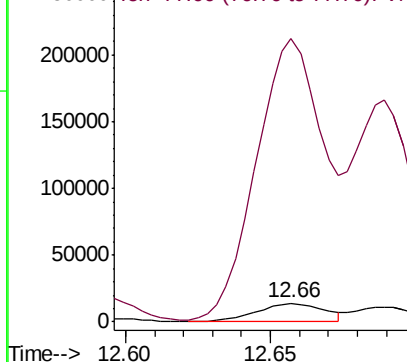
Ion Ratio Lower Upper

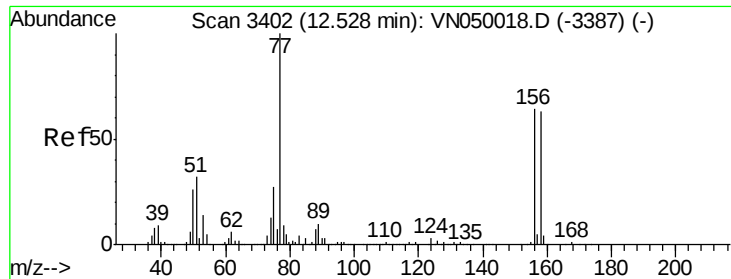
75 100

77 1542.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 0.81 ug/l

RT: 12.54 min Scan# 3407

Delta R.T. 0.02 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampleId :

MW-3B

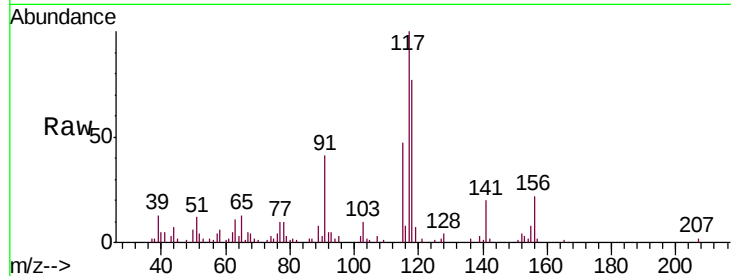
Tot Ion:156 Resp: 9697

Ion Ratio Lower Upper

156 100

77 0.0 91.7 275.1#

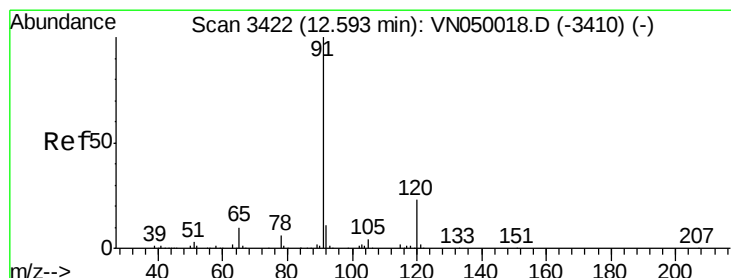
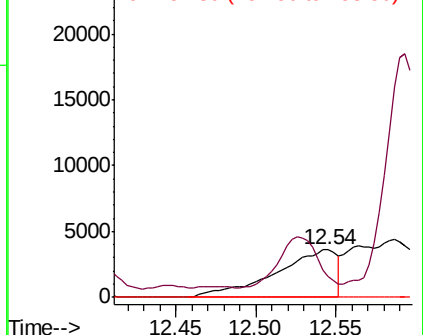
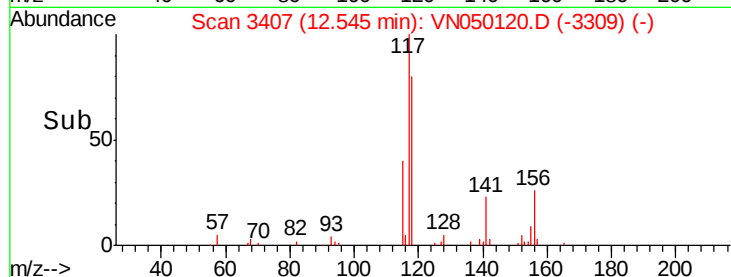
158 0.0 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 15.60 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050120.D

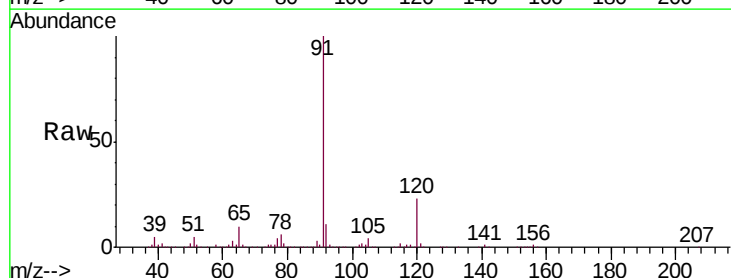
Acq: 27 Jul 2018 7:47

Tgt Ion: 91 Resp: 750865

Ion Ratio Lower Upper

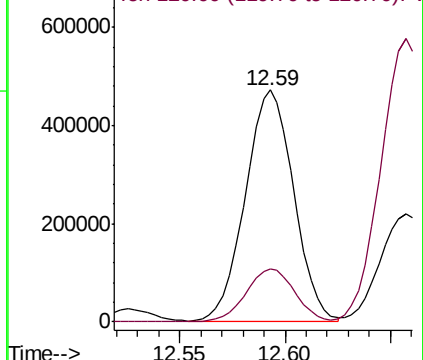
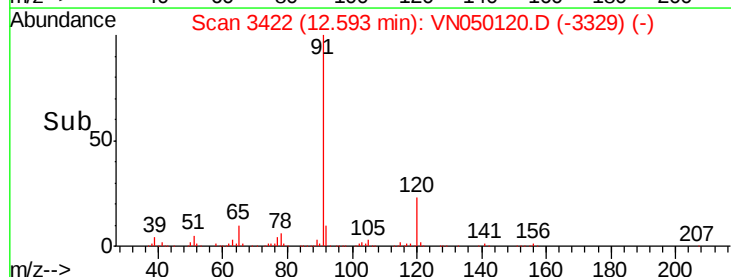
91 100

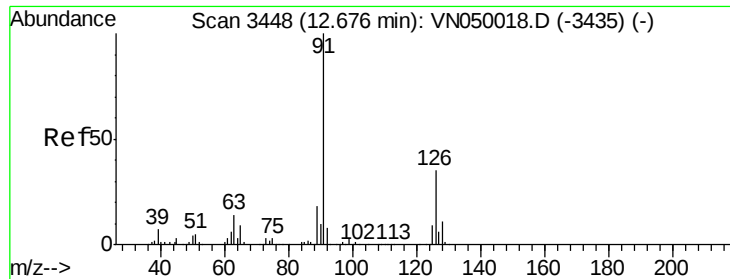
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 7.57 ug/l

RT: 12.69 min Scan# 3452

Delta R.T. 0.01 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampleId :

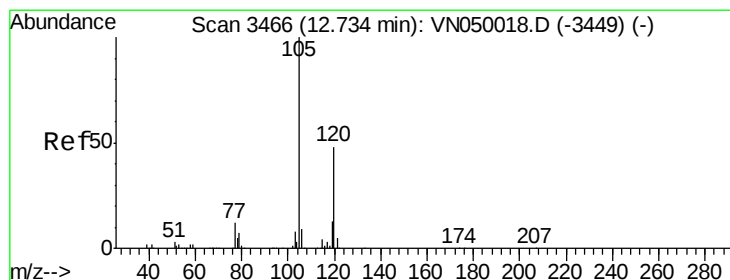
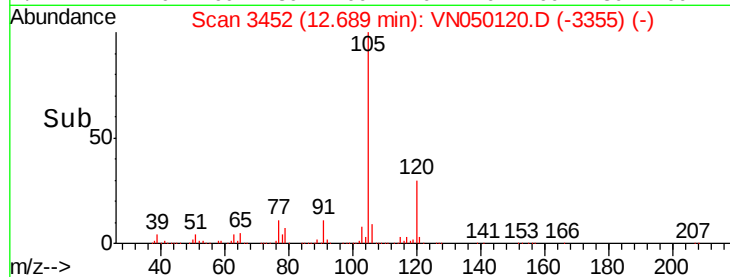
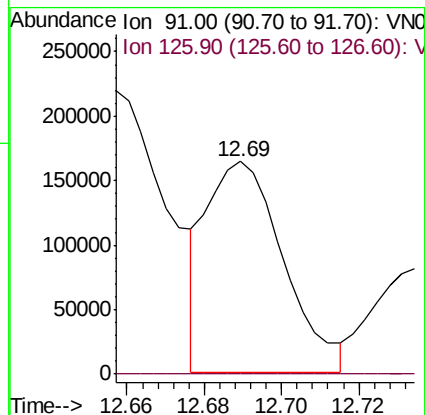
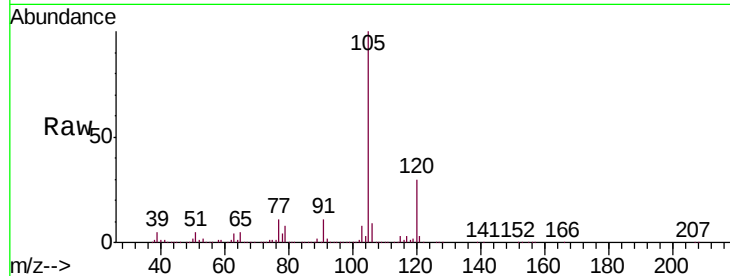
MW-3B

Tot Ion: 91 Resp: 225903

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.8#



#80

1,3,5-Trimethylbenzene

Concen: 38.19 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050120.D

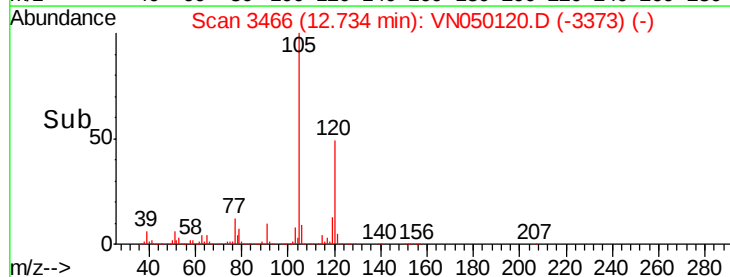
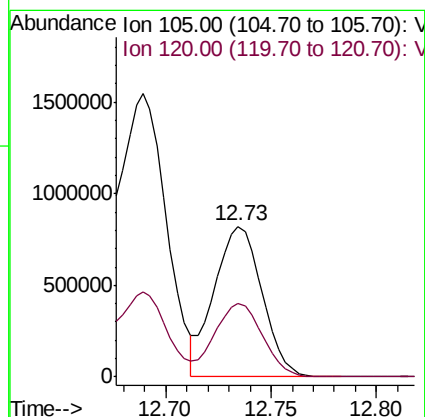
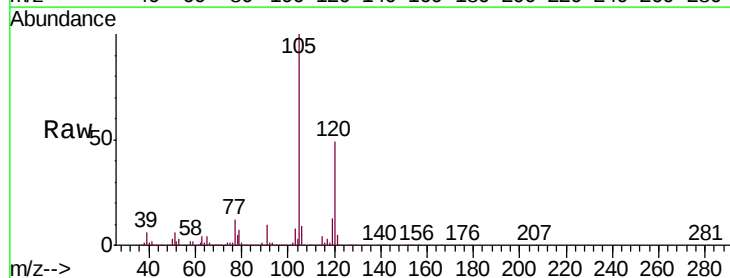
Acq: 27 Jul 2018 7:47

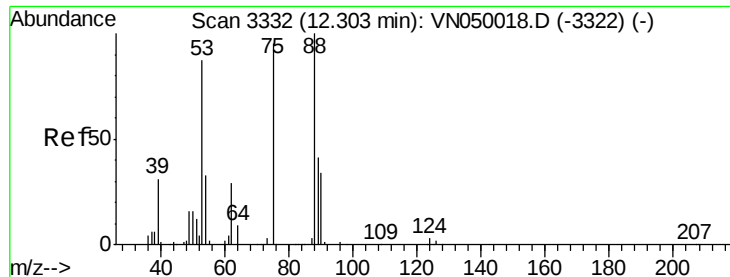
Tgt Ion: 105 Resp: 1293735

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 6.01 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.05 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampleId :

MW-3B

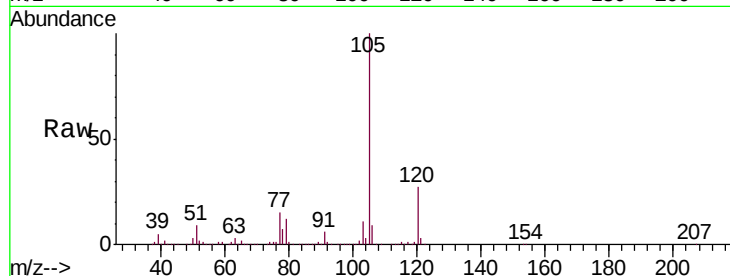
Tot Ion: 75 Resp: 19550

Ion Ratio Lower Upper

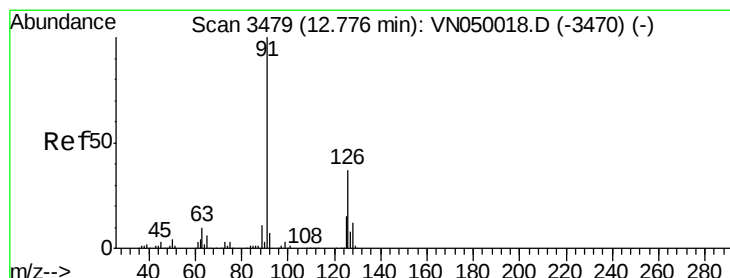
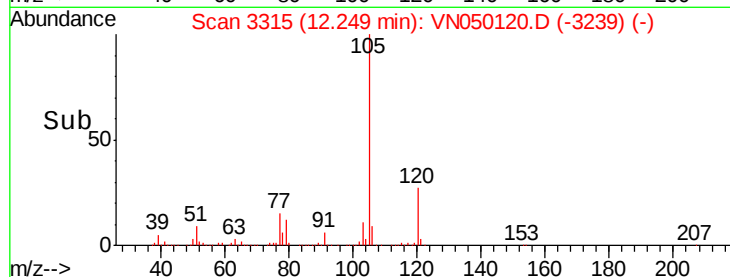
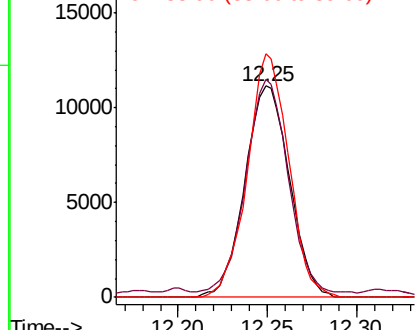
75 100

53 95.0 73.5 110.3

89 106.4 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 4.18 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN050120.D

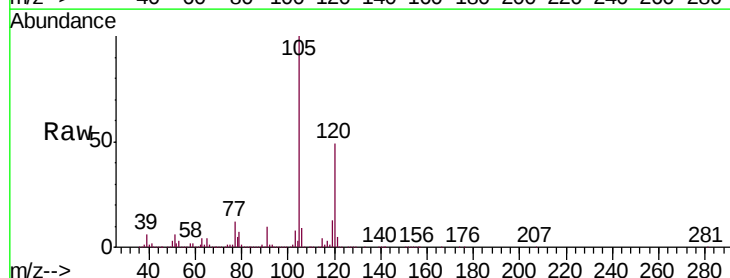
Acq: 27 Jul 2018 7:47

Tgt Ion: 91 Resp: 123510

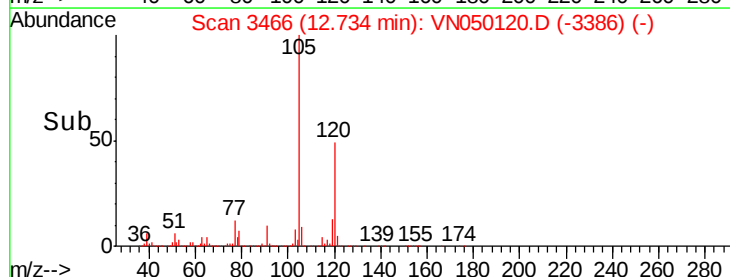
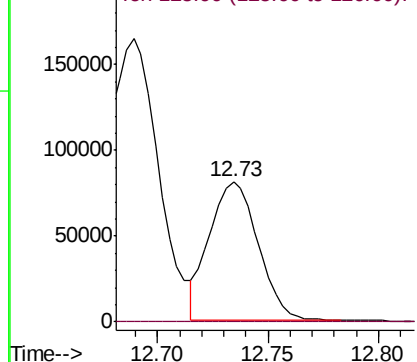
Ion Ratio Lower Upper

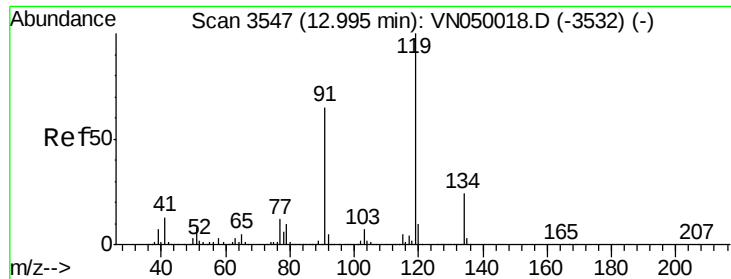
91 100

126 0.2 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

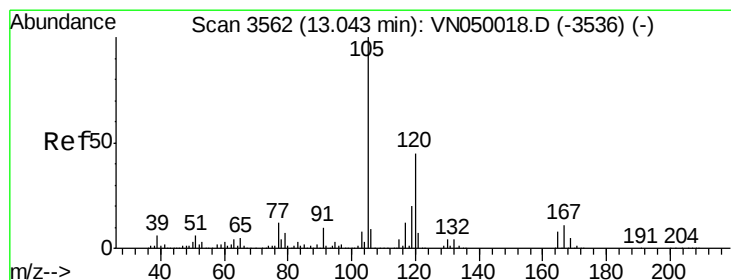
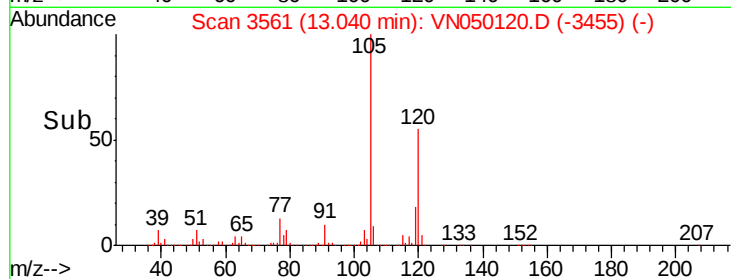
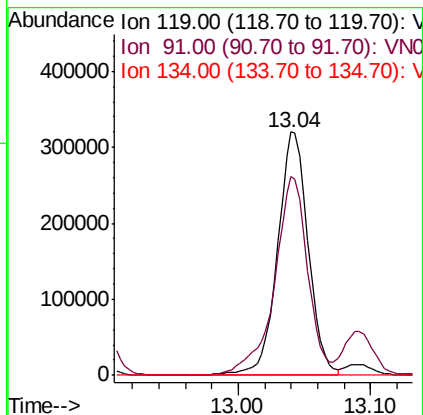
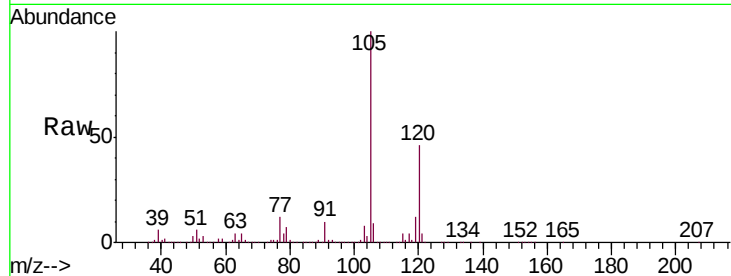




#83
 tert-Butylbenzene
 Concen: 17.52 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.04 min
 Lab File: VN050120.D
 Acq: 27 Jul 2018 7:47

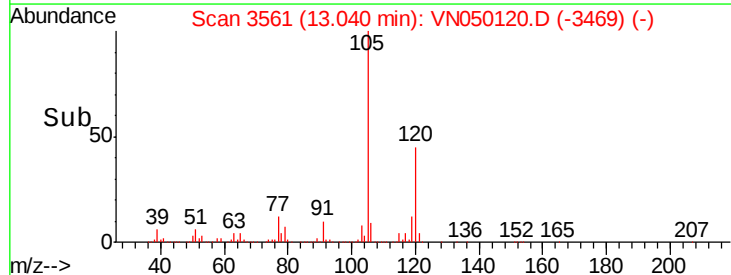
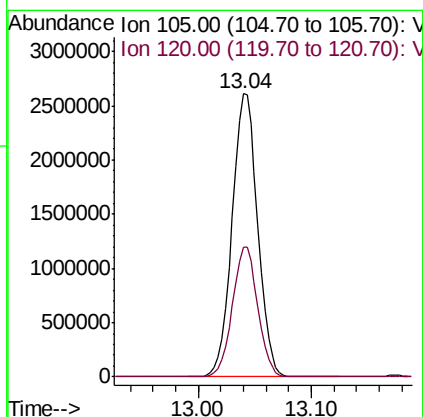
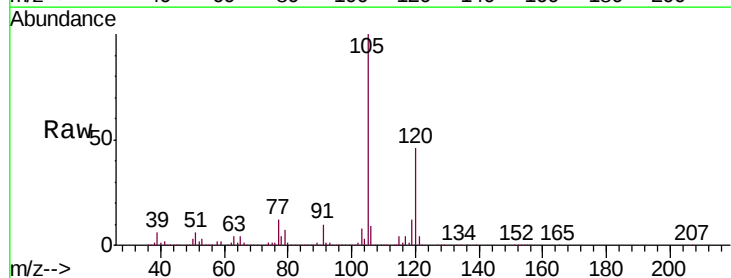
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3B

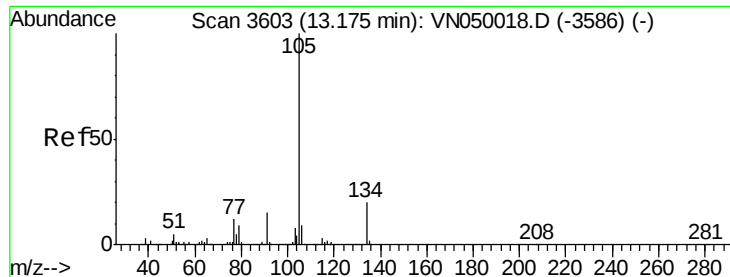
Tot Ion:119 Resp: 517893
 Ion Ratio Lower Upper
 119 100
 91 88.2 32.1 96.3
 134 0.0 13.2 39.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 119.60 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050120.D
 Acq: 27 Jul 2018 7:47

Tgt Ion:105 Resp: 4083530
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.7

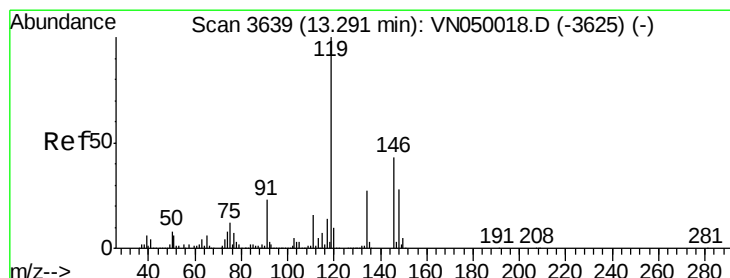
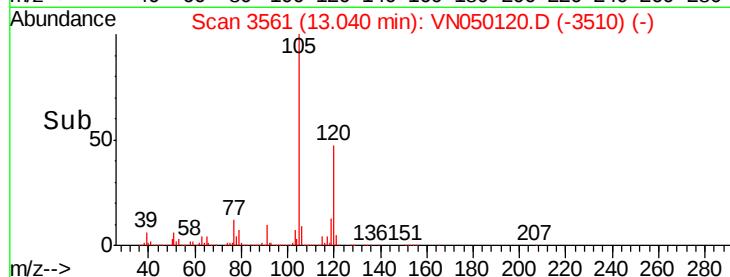
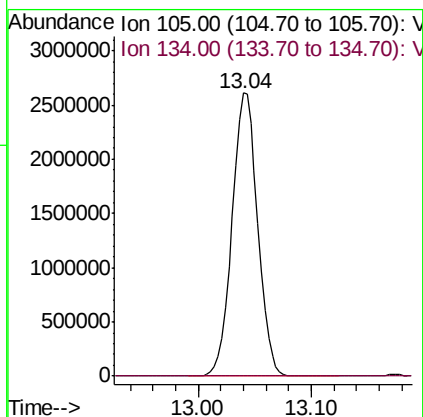
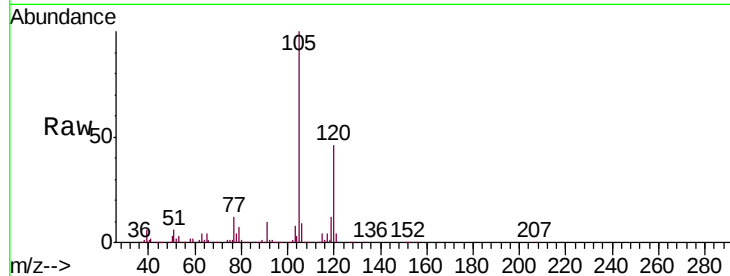




#85
 sec-Butylbenzene
 Concen: 103.39 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.13 min
 Lab File: VN050120.D
 Acq: 27 Jul 2018 7:47

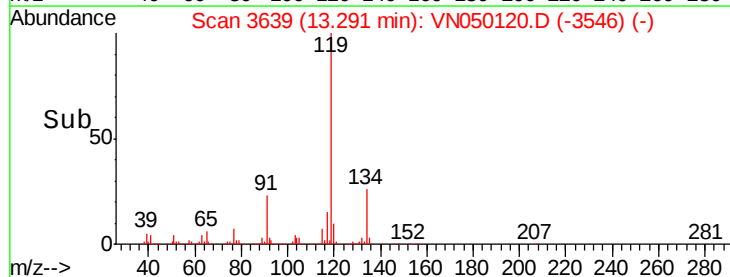
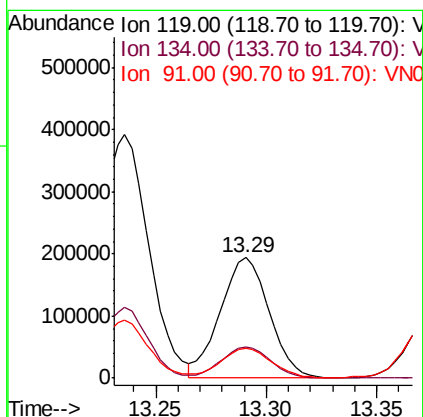
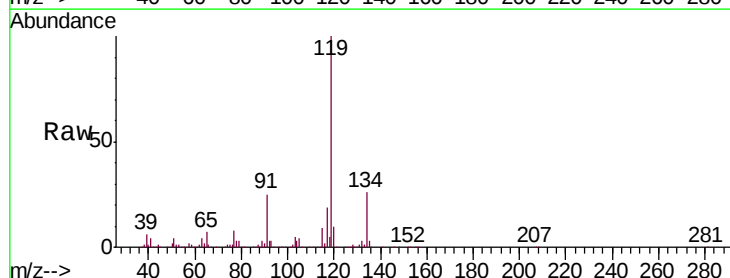
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3B

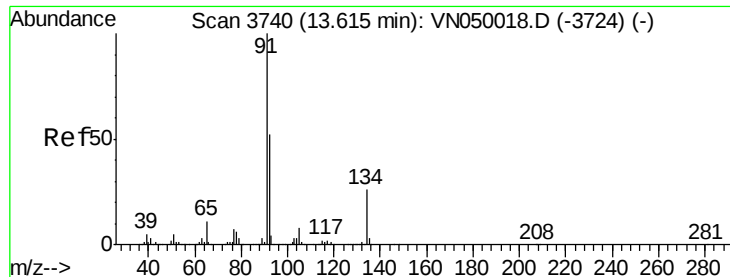
Tot Ion:105 Resp: 4083530
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#86
 p-Isopropyltoluene
 Concen: 8.89 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050120.D
 Acq: 27 Jul 2018 7:47

Tgt Ion:119 Resp: 295791
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.3 39.8
 91 25.0 11.4 34.2





#89

n-Butylbenzene

Concen: 19.51 ug/l

RT: 13.54 min Scan# 3718

Delta R.T. -0.07 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampleId :

MW-3B

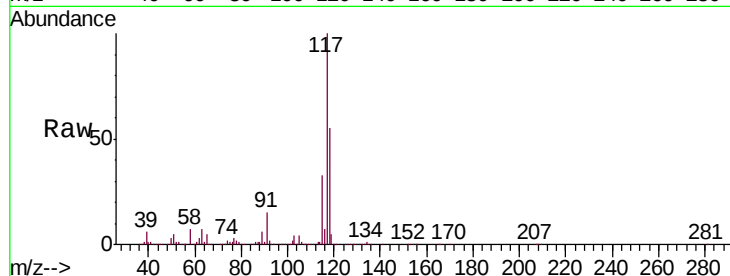
Tot Ion: 91 Resp: 533880

Ion Ratio Lower Upper

91 100

92 10.5 25.8 77.4#

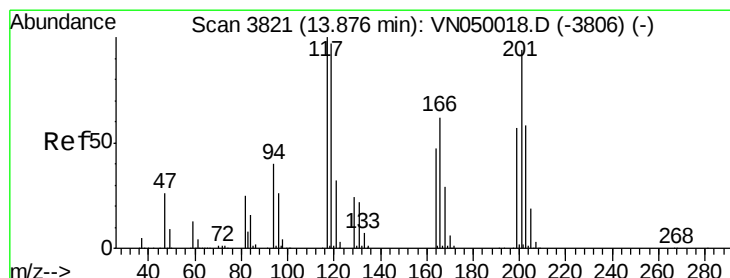
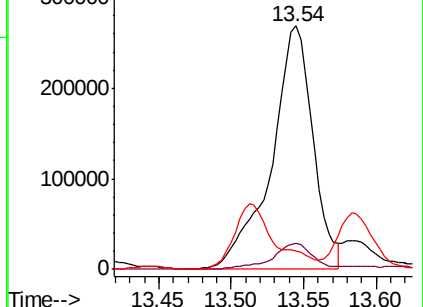
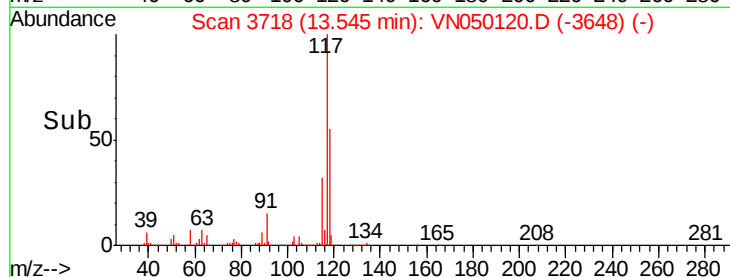
134 0.0 12.8 38.4#



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3724) (-)

Ion 92.00 (91.70 to 92.70): VN050018.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN050018.D (-3724) (-)



#90

Hexachloroethane

Concen: 12.98 ug/l

RT: 14.00 min Scan# 3859

Delta R.T. 0.12 min

Lab File: VN050120.D

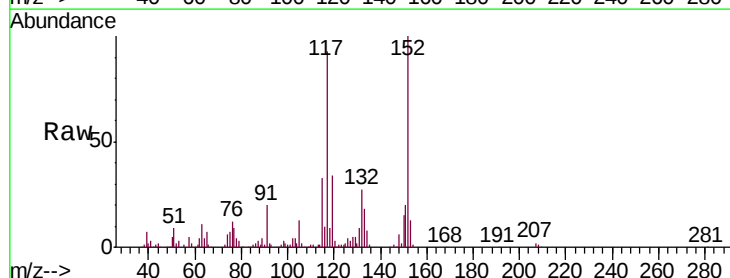
Acq: 27 Jul 2018 7:47

Tgt Ion: 117 Resp: 95914

Ion Ratio Lower Upper

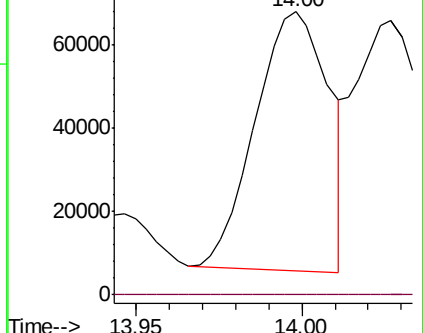
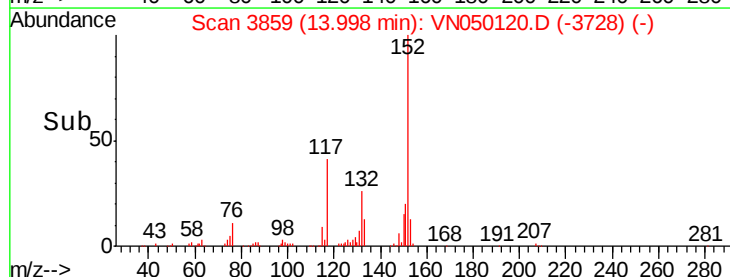
117 100

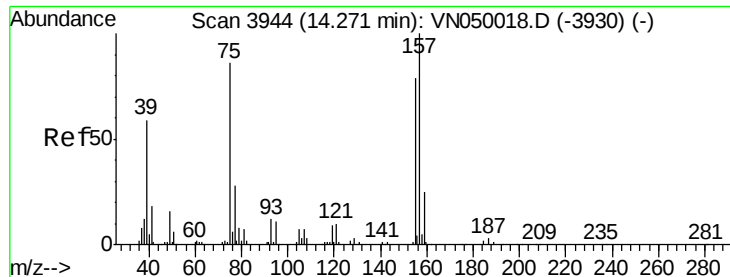
201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): VN050018.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050018.D (-3806) (-)

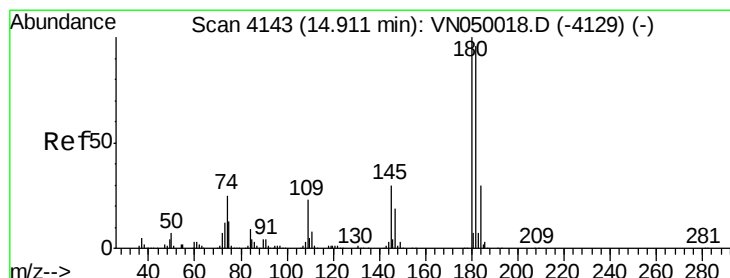
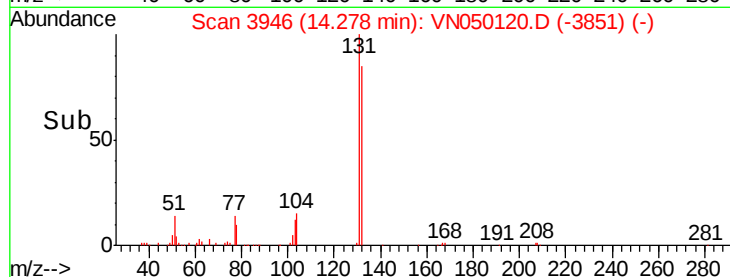
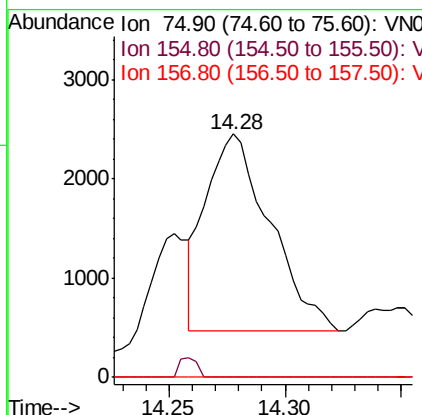
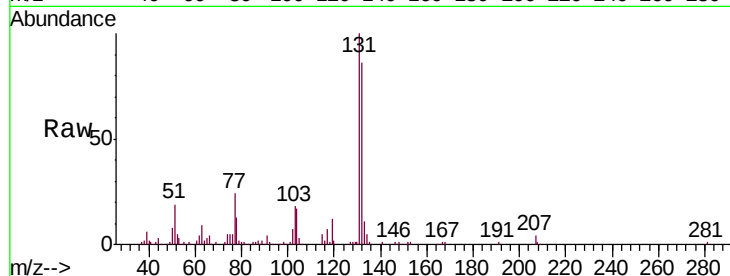




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.20 ug/l
 RT: 14.28 min Scan# 3946
 Delta R.T. 0.01 min
 Lab File: VN050120.D
 Acq: 27 Jul 2018 7:47

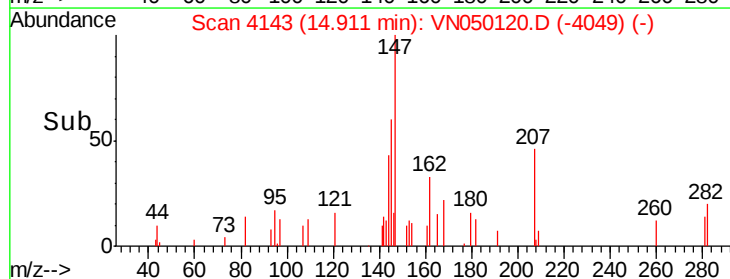
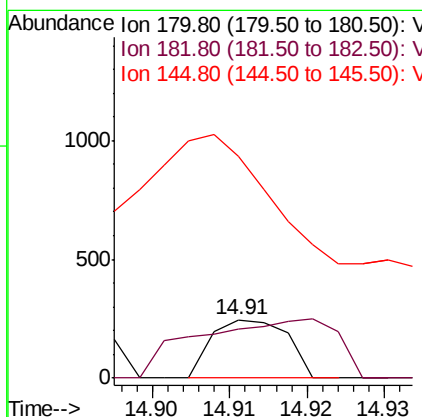
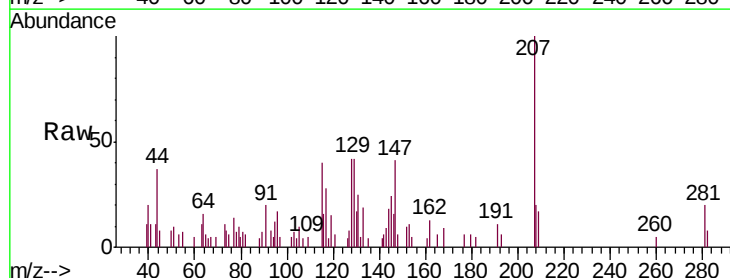
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3B

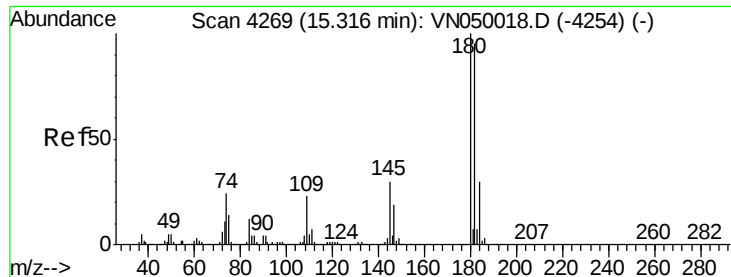
Tot Ion: 75 Resp: 3826
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.8 134.4#
 157 0.0 57.2 171.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.10 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050120.D
 Acq: 27 Jul 2018 7:47

Tgt Ion: 180 Resp: 168
 Ion Ratio Lower Upper
 180 100
 182 186.3 46.7 140.1#
 145 1029.2 13.8 41.4#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.21 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.00 min
 Lab File: VN050120.D
 Acq: 27 Jul 2018 7:47

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3B

Tot Ion:180 Resp: 30
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.1 144.4#
 145 3440.0 15.3 45.9#

