

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050191.D
 Acq On : 30 Jul 2018 16:48
 Operator : MD\SY
 Sample : J4221-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-21

Quant Time: Jul 31 01:12:49 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	634083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1044980	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	858058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	350527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	442284	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	7.59	113	398911	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
50) Toluene-d8	10.09	98	1407039	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	
62) 4-Bromofluorobenzene	12.40	95	404049	39.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.24%	

Target Compounds

						Qvalue
5) Bromomethane	2.57	94	477	Below Cal		85
11) Tert butyl alcohol	4.80	59	1178	1.81 ug/l	#	72
16) Acetone	3.82	43	17909	4.33 ug/l		100
17) Carbon Disulfide	4.05	76	4846	0.22 ug/l		98
18) Methyl Acetate	4.34	43	16187	0.38 ug/l		99
20) Methylene Chloride	4.54	84	380	Below Cal	#	83
25) 2-Butanone	6.86	43	1614	0.48 ug/l	#	48
29) Tetrahydrofuran	7.23	42	2361	1.08 ug/l	#	72
31) Cyclohexane	7.66	56	13376	1.03 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	43854	3.72 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	56375	4.51 ug/l	#	16
39) Methylcyclohexane	9.09	83	4675	0.39 ug/l		88
41) Methacrylonitrile	7.23	41	1061	2.98 ug/l	#	30
43) Isopropyl Acetate	8.27	43	224723	13.70 ug/l	#	61
55) 1,1,2-Trichloroethane	10.53	97	1857	0.22 ug/l	#	15
56) Ethyl methacrylate	10.43	69	905	2.11 ug/l	#	1
59) 2-Hexanone	10.75	43	222	5.21 ug/l	#	24
67) Ethyl Benzene	11.51	91	7382	0.21 ug/l		96
70) Styrene	11.97	104	319	0.94 ug/l	#	19
71) Bromoform	12.40	173	3560	0.59 ug/l	#	1
73) Isopropylbenzene	12.25	105	9166	0.34 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.50	83	71	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	197254	30.28 ug/l	#	100
78) n-propylbenzene	12.59	91	14853	0.49 ug/l		94
79) 2-Chlorotoluene	12.59	91	14853	0.79 ug/l	#	40
81) trans-1,4-Dichloro-2-buten	12.40	75	197254	96.04 ug/l	#	13
85) sec-Butylbenzene	13.17	105	9682	0.39 ug/l		92
86) p-Isopropyltoluene	13.44	119	4237	0.20 ug/l		96
89) n-Butylbenzene	13.61	91	4304	0.25 ug/l	#	78
90) Hexachloroethane	13.89	117	3388	0.73 ug/l	#	4
92) 1,2-Dibromo-3-Chloropropan	14.21	75	211	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	15.19	180	104	3.10 ug/l	#	13
95) Naphthalene	15.14	128	32611	6.27 ug/l	#	94
96) 1,2,3-Trichlorobenzene	15.19	180	104	2.22 ug/l	#	1

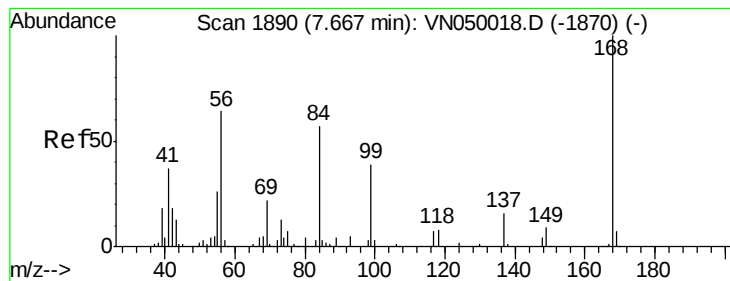
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
Data File : VN050191.D
Acq On : 30 Jul 2018 16:48
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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = 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: VN050191.D

Acq: 30 Jul 2018 16:48

Instrument :

MSVOA_N

ClientSampleId :

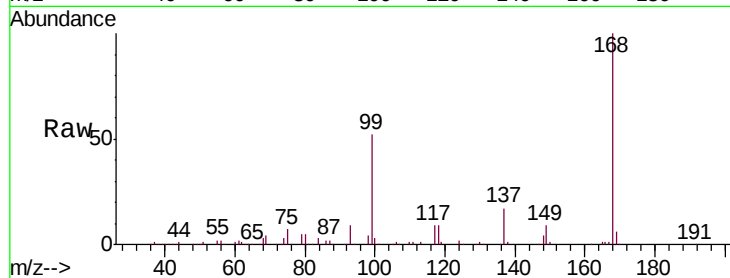
MW-21

Tot Ion:168 Resp: 634083

Ion Ratio Lower Upper

168 100

99 51.8 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

250000

200000

150000

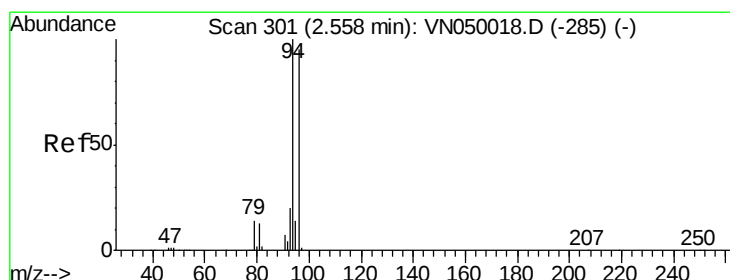
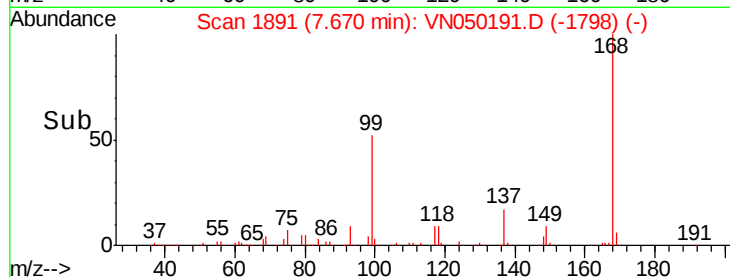
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.02 min

Lab File: VN050191.D

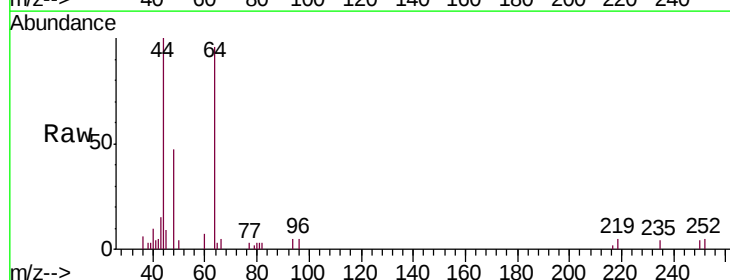
Acq: 30 Jul 2018 16:48

Tgt Ion: 94 Resp: 477

Ion Ratio Lower Upper

94 100

96 107.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

400

300

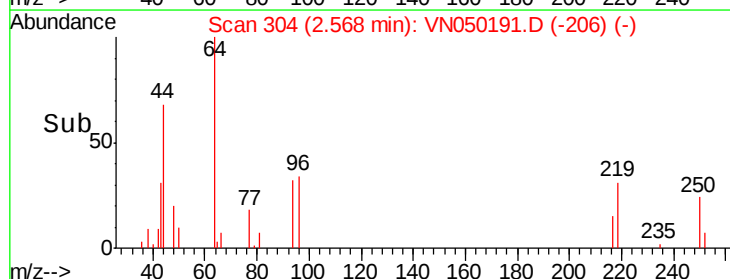
200

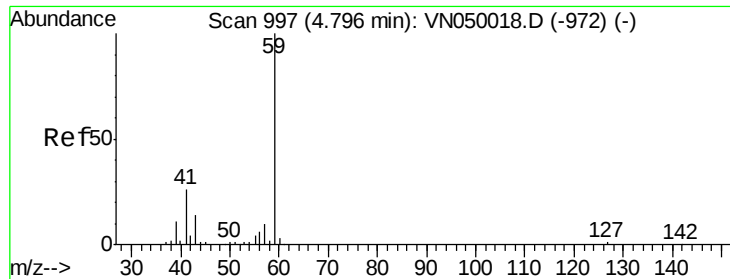
100

0

2.54 2.56 2.58

Time-->

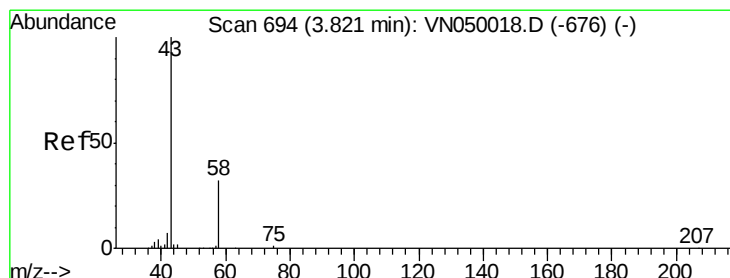
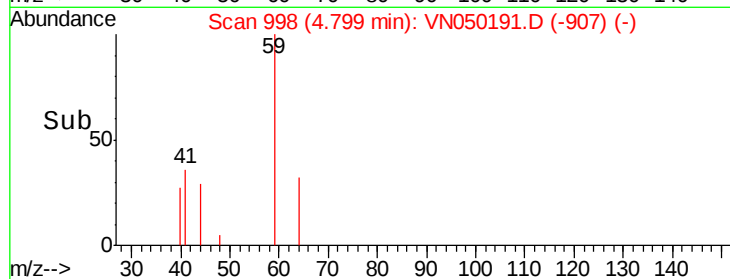
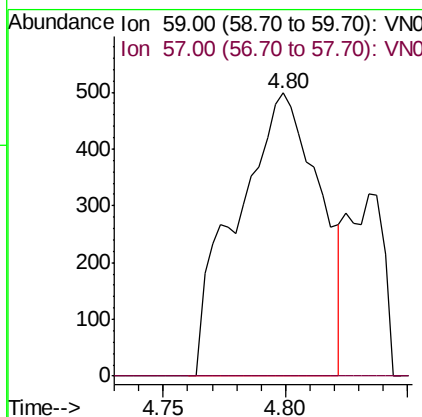
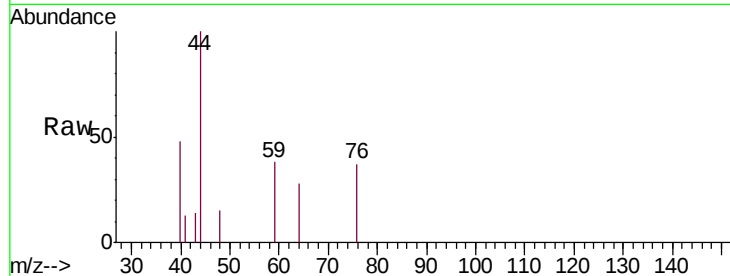




#11
Tert butyl alcohol
Concen: 1.81 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN050191.D
Acq: 30 Jul 2018 16:48

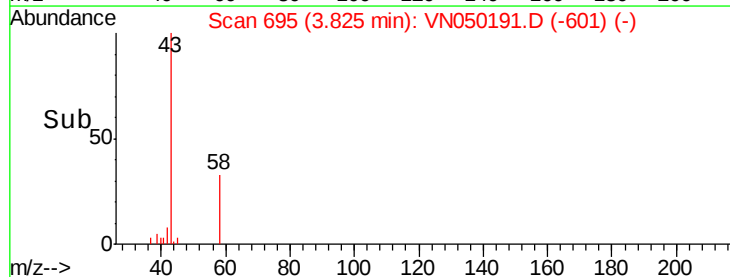
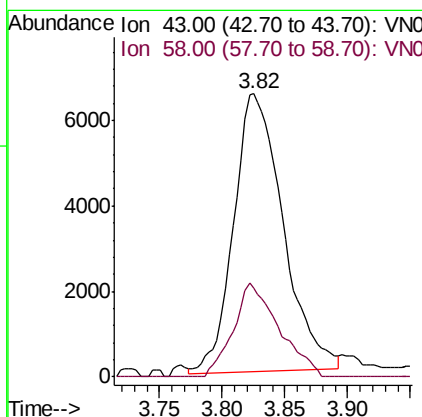
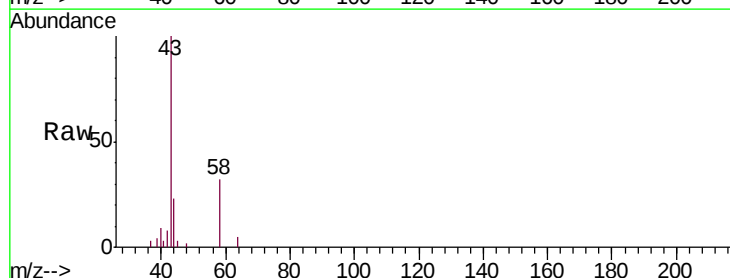
Instrument :
MSVOA_N
ClientSampled :
MW-21

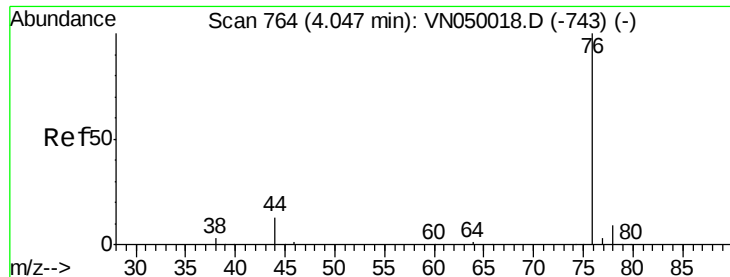
Tot Ion: 59 Resp: 1178
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 4.33 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN050191.D
Acq: 30 Jul 2018 16:48

Tgt Ion: 43 Resp: 17909
Ion Ratio Lower Upper
43 100
58 32.4 25.8 38.8

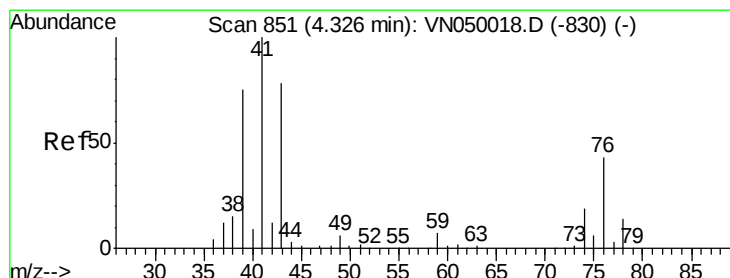
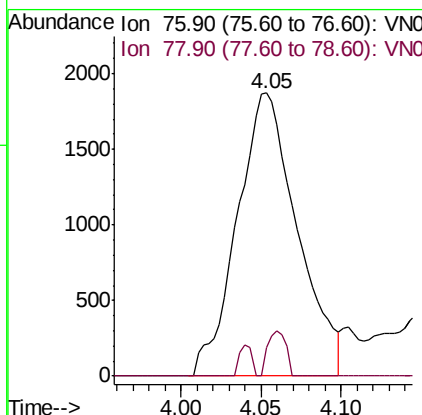
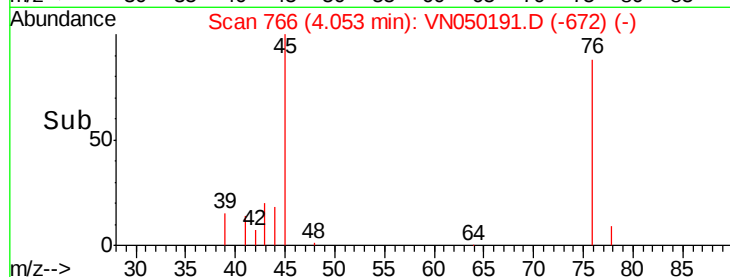
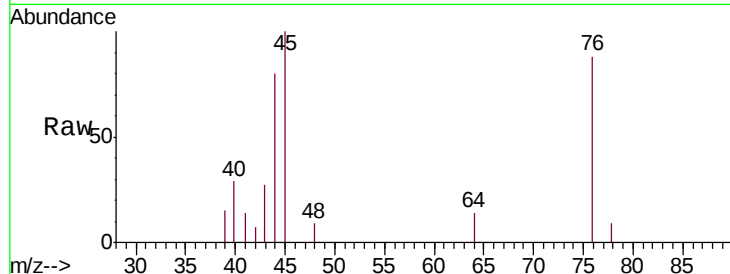




#17
Carbon Disulfide
Concen: 0.22 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050191.D
Acq: 30 Jul 2018 16:48

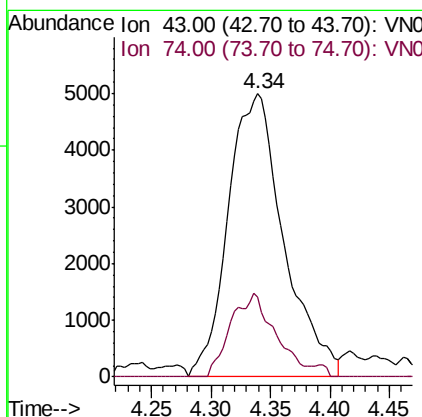
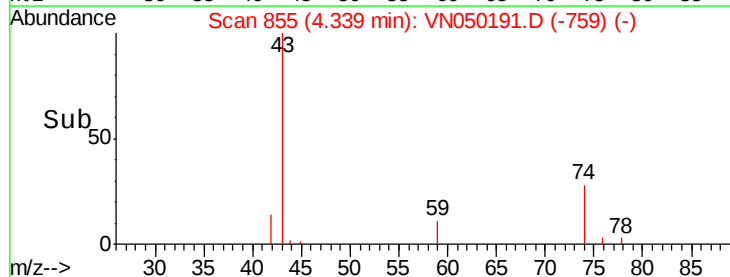
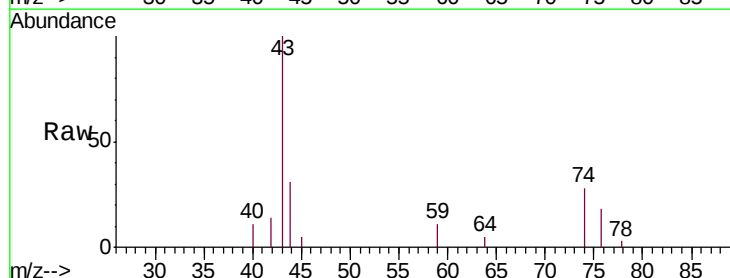
Instrument :
MSVOA_N
ClientSampled :
MW-21

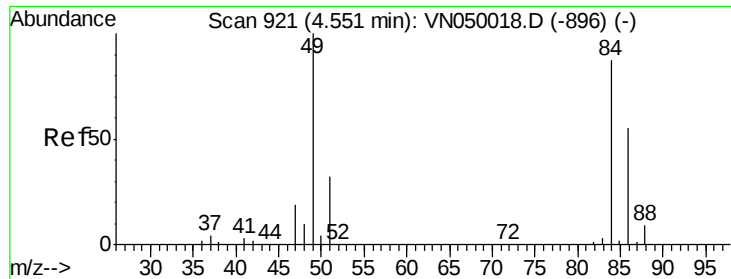
Tot Ion: 76 Resp: 4846
Ion Ratio Lower Upper
76 100
78 9.9 7.3 10.9



#18
Methyl Acetate
Concen: 0.38 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050191.D
Acq: 30 Jul 2018 16:48

Tgt Ion: 43 Resp: 16187
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8

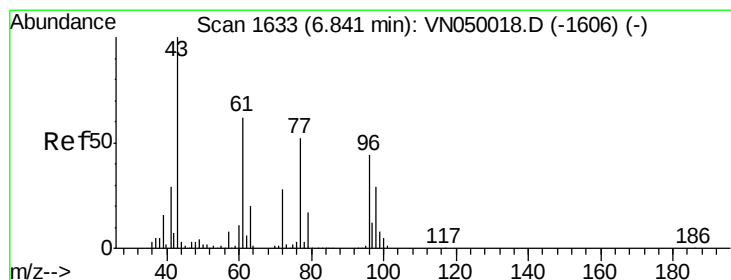
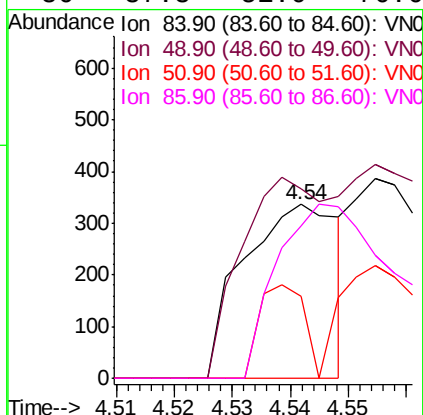
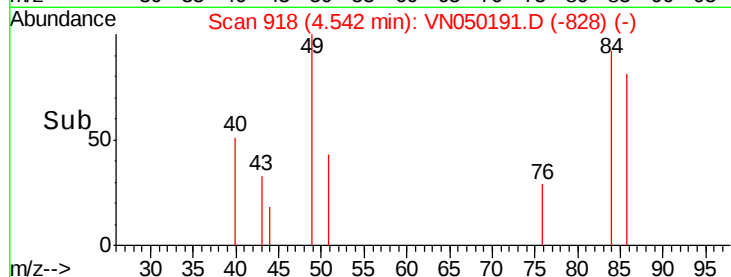
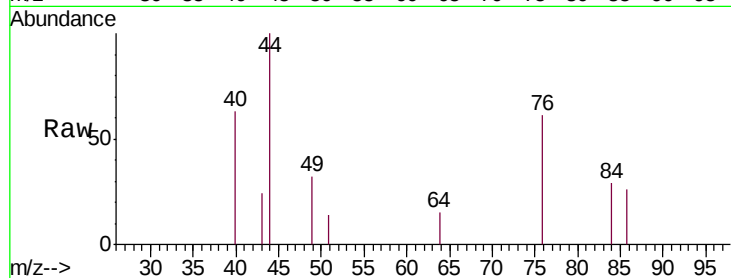




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN050191.D
Acq: 30 Jul 2018 16:48

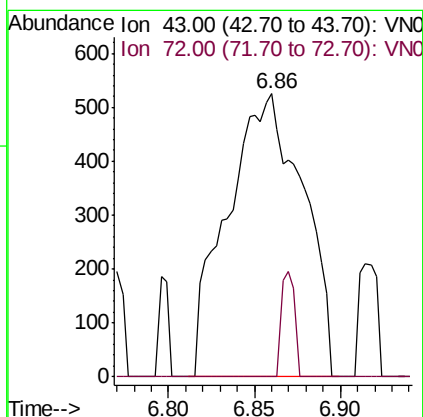
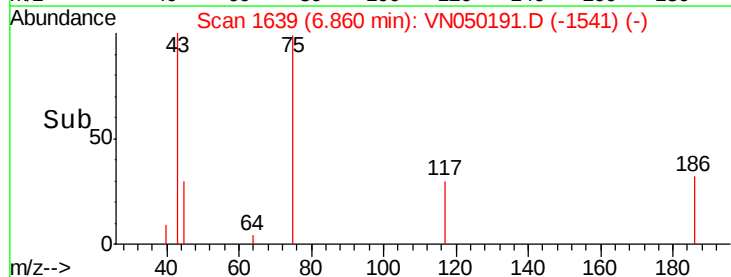
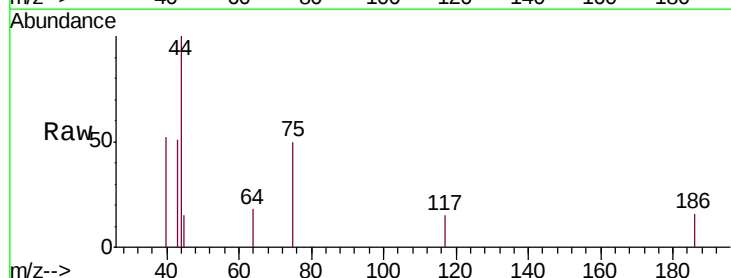
Instrument :
MSVOA_N
ClientSampled :
MW-21

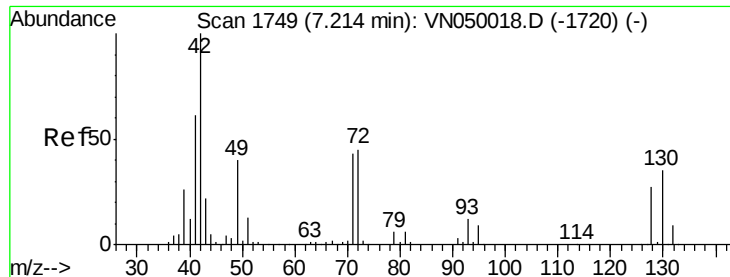
Tot Ion: 84 Resp: 380
Ion Ratio Lower Upper
84 100
49 108.9 94.8 142.2
51 47.3 28.3 42.5#
86 87.8 51.0 76.6#



#25
2-Butanone
Concen: 0.48 ug/l
RT: 6.86 min Scan# 1639
Delta R.T. 0.02 min
Lab File: VN050191.D
Acq: 30 Jul 2018 16:48

Tgt Ion: 43 Resp: 1614
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#





#29

Tetrahydrofuran

Concen: 1.08 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

Instrument :

MSVOA_N

ClientSampleId :

MW-21

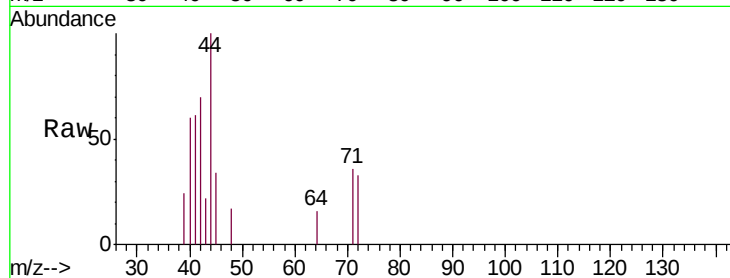
Tot Ion: 42 Resp: 2361

Ion Ratio Lower Upper

42 100

72 21.7 35.9 53.9#

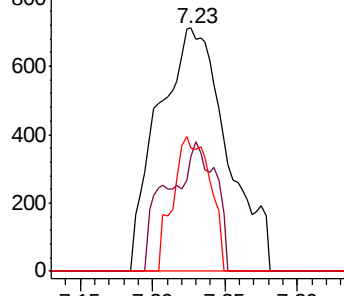
71 29.6 33.7 50.5#



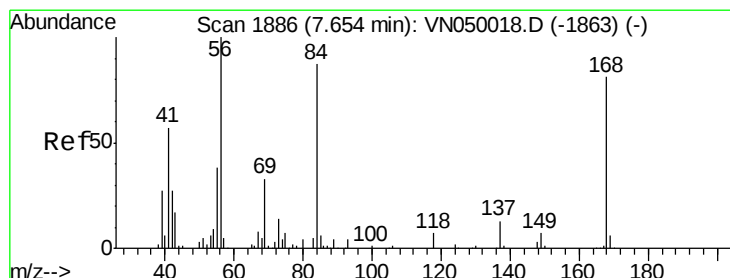
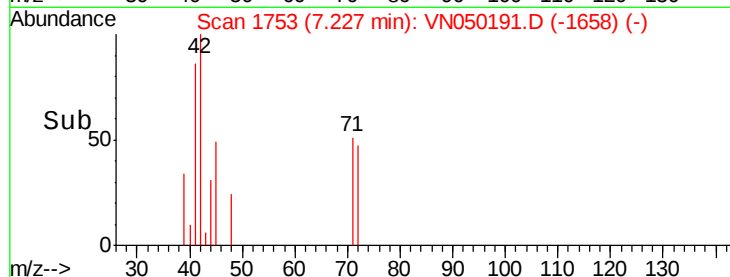
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->



#31

Cyclohexane

Concen: 1.03 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

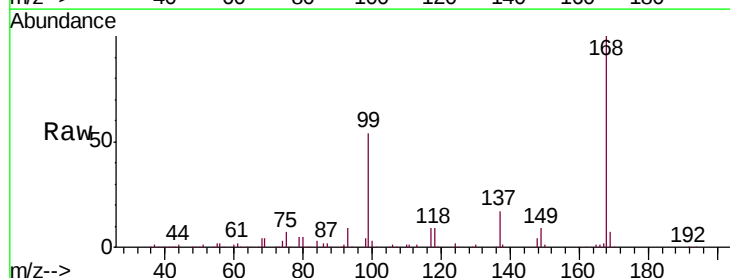
Tgt Ion: 56 Resp: 13376

Ion Ratio Lower Upper

56 100

69 188.6 26.2 39.4#

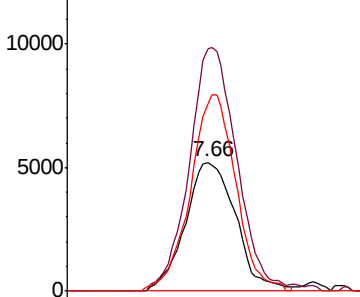
84 146.0 67.4 101.0#



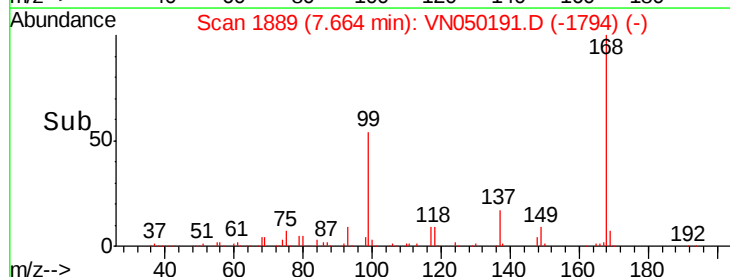
Abundance Ion 56.00 (55.70 to 56.70): VN0

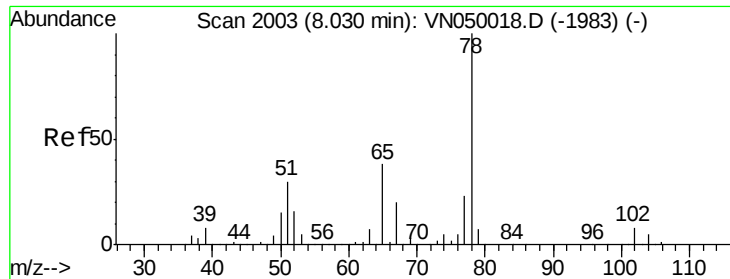
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.99 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

Instrument :

MSVOA_N

ClientSampleId :

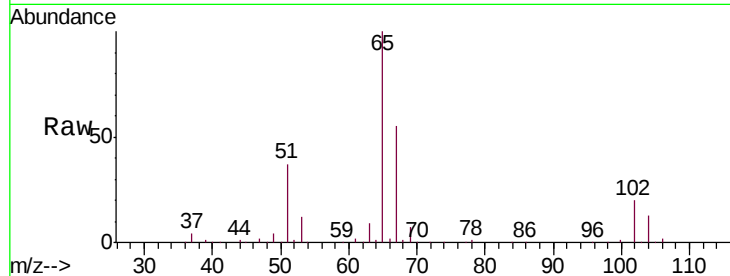
MW-21

Tot Ion: 65 Resp: 442284

Ion Ratio Lower Upper

65 100

67 54.5 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

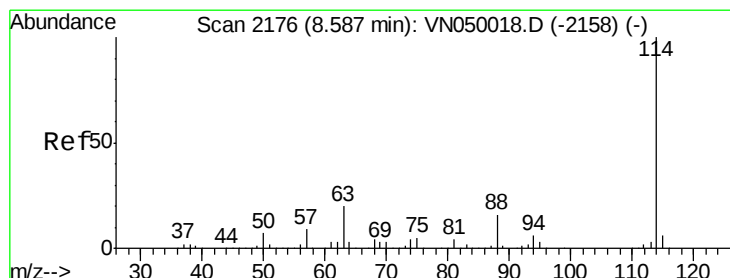
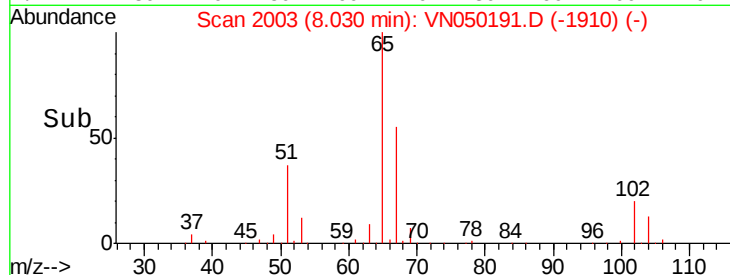
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

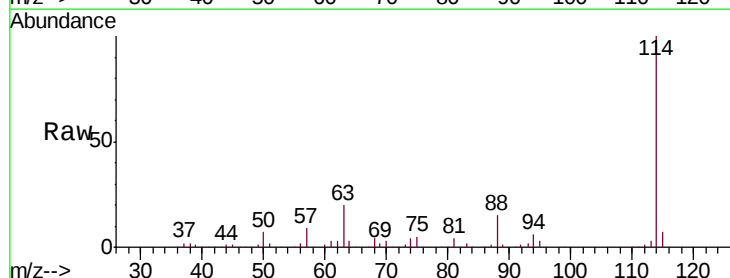
Tgt Ion: 114 Resp: 1044980

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 15.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

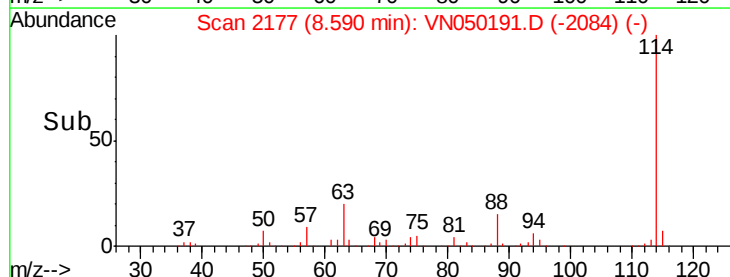
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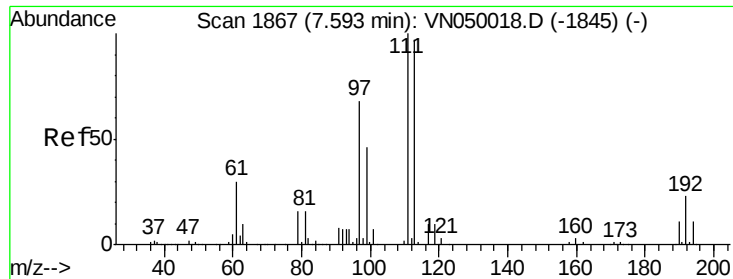
400000

200000

0

Time-->

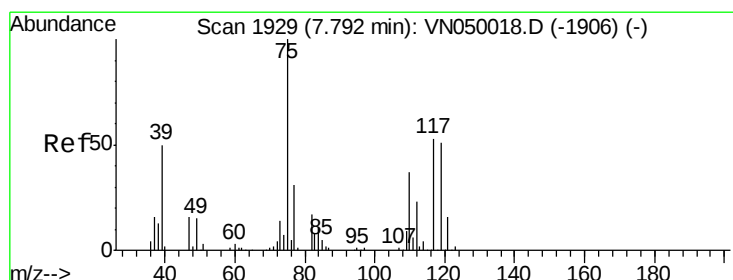
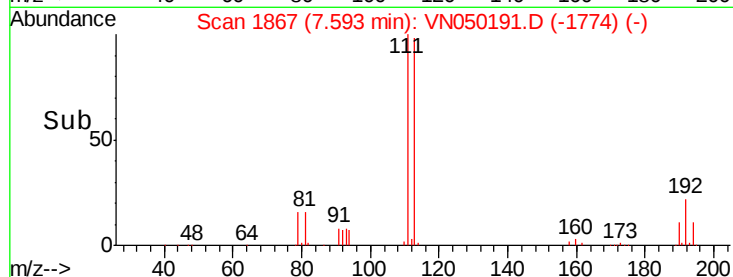
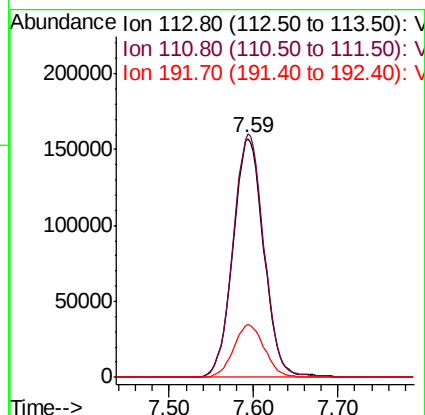
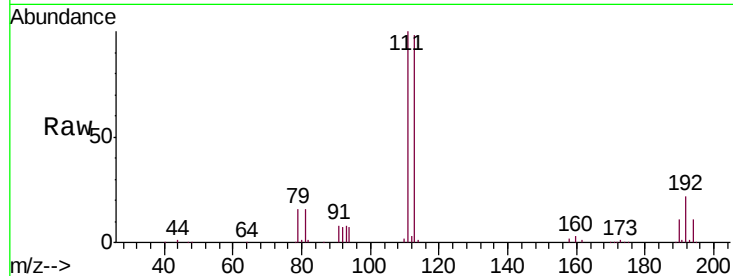




#35
Dibromofluoromethane
Concen: 46.75 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050191.D
Acq: 30 Jul 2018 16:48

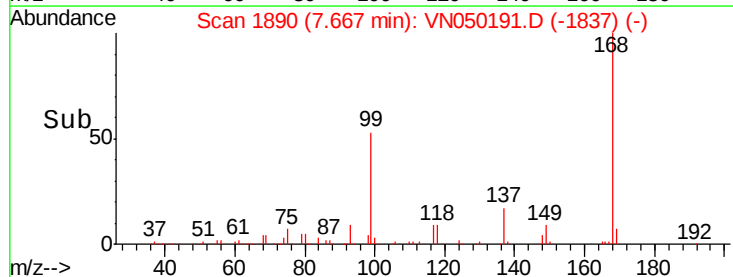
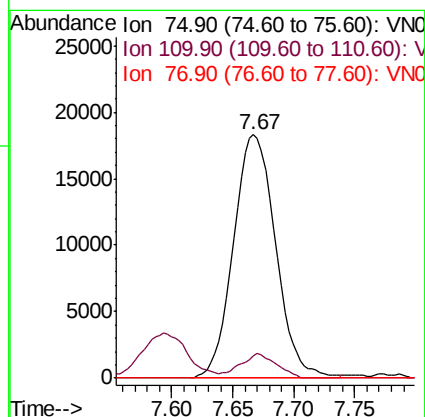
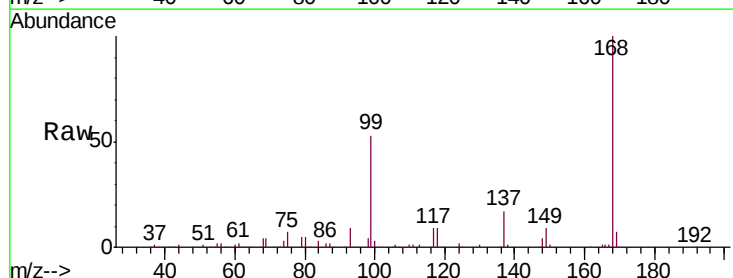
Instrument :
MSVOA_N
ClientSampleId :
MW-21

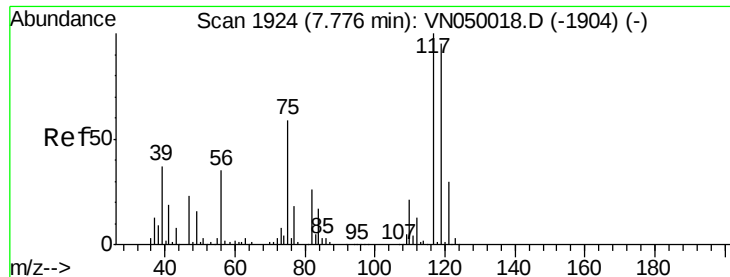
Tot Ion:113 Resp: 398911
Ion Ratio Lower Upper
113 100
111 102.5 80.7 121.1
192 22.2 17.8 26.6



#36
1,1-Dichloropropene
Concen: 3.72 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN050191.D
Acq: 30 Jul 2018 16:48

Tgt Ion: 75 Resp: 43854
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 25.3 37.9#

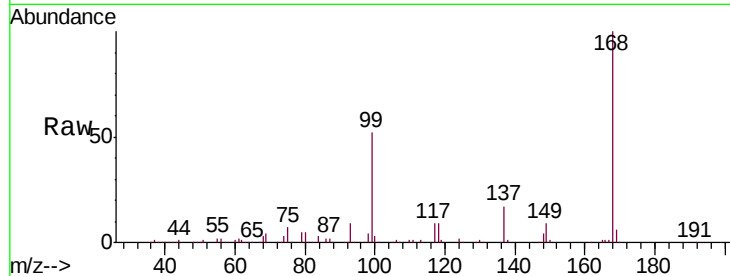




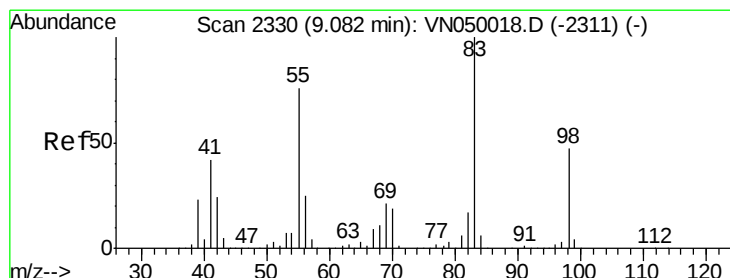
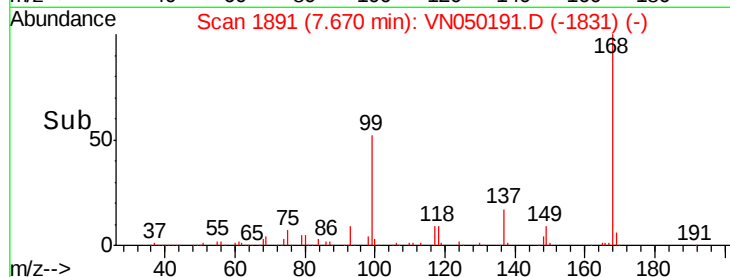
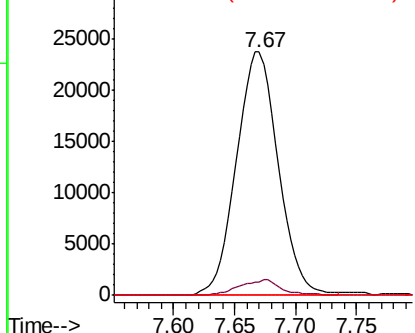
#38
Carbon Tetrachloride
Concen: 4.51 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050191.D
Acq: 30 Jul 2018 16:48

Instrument :
MSVOA_N
ClientSampleId :
MW-21

Tot Ion:117 Resp: 56375
Ion Ratio Lower Upper
117 100
119 5.6 77.4 116.0#
121 0.0 23.9 35.9#

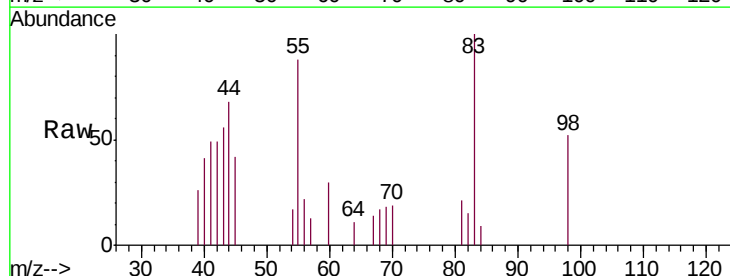


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

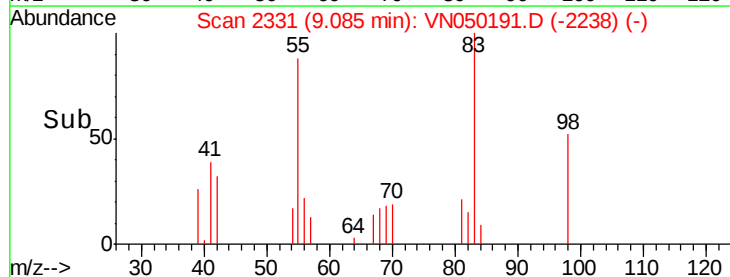
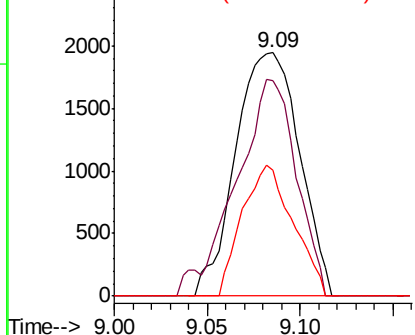


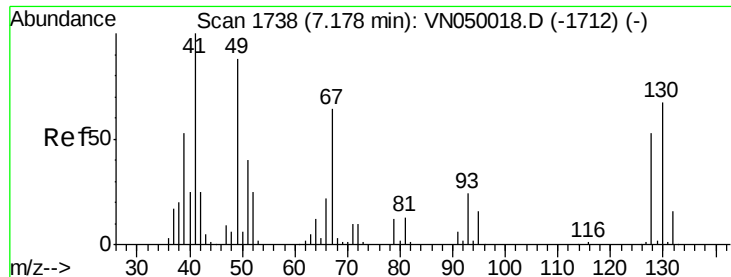
#39
Methylcyclohexane
Concen: 0.39 ug/l
RT: 9.09 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050191.D
Acq: 30 Jul 2018 16:48

Tgt Ion: 83 Resp: 4675
Ion Ratio Lower Upper
83 100
55 88.3 61.8 92.8
98 51.9 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

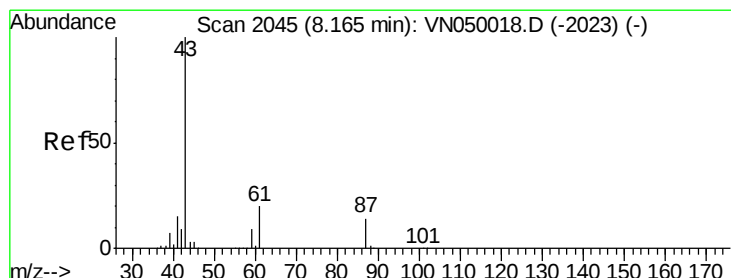
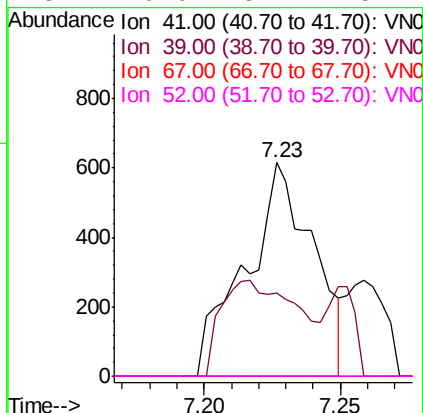
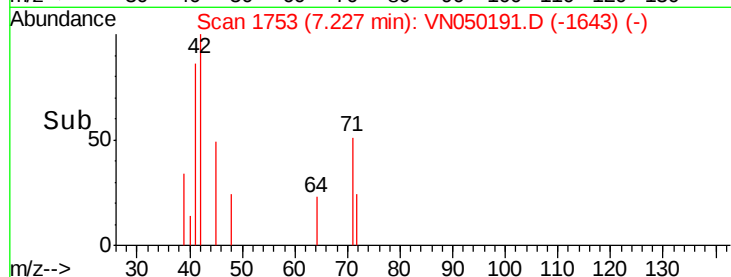
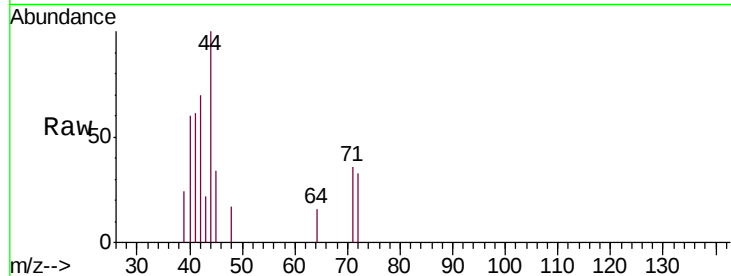




#41
Methacrylonitrile
Concen: 2.98 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.05 min
Lab File: VN050191.D
Acq: 30 Jul 2018 16:48

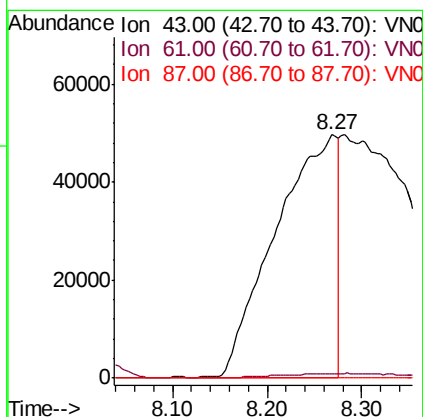
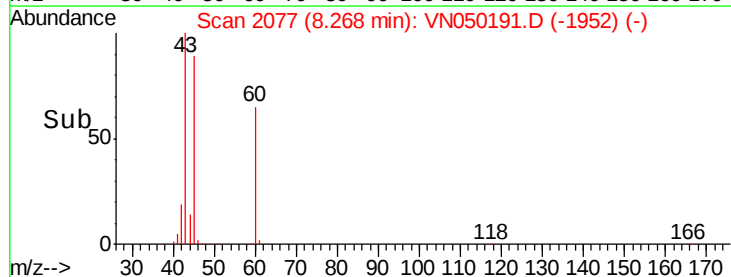
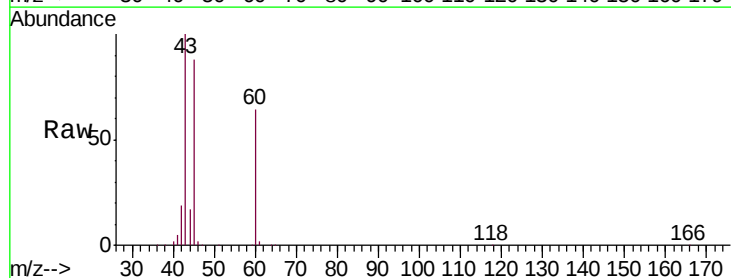
Instrument :
MSVOA_N
ClientSampled :
MW-21

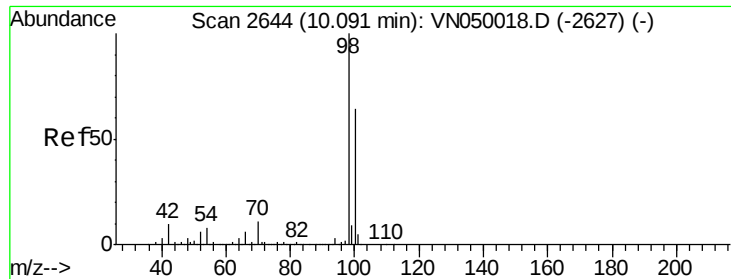
Tot Ion: 41 Resp: 1061
Ion Ratio Lower Upper
41 100
39 51.6 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 13.70 ug/l
RT: 8.27 min Scan# 2077
Delta R.T. 0.10 min
Lab File: VN050191.D
Acq: 30 Jul 2018 16:48

Tgt Ion: 43 Resp: 224723
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.6#
87 0.0 10.3 15.5#





#50

Toluene-d8

Concen: 44.86 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

Instrument :

MSVOA_N

ClientSampled :

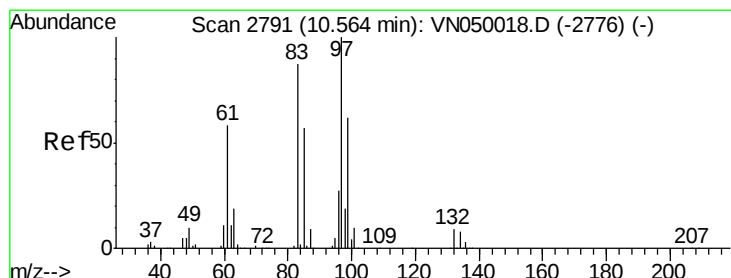
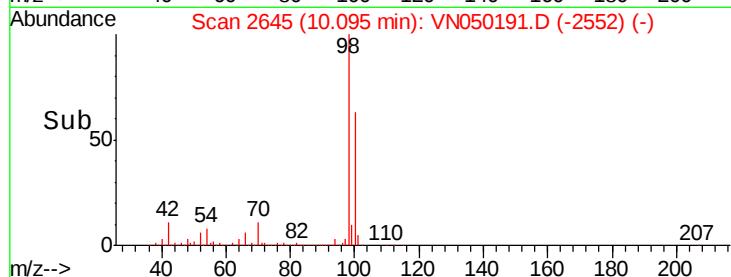
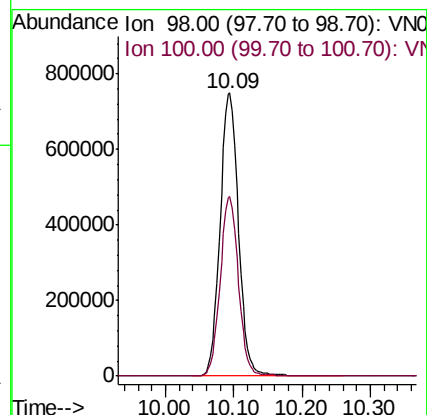
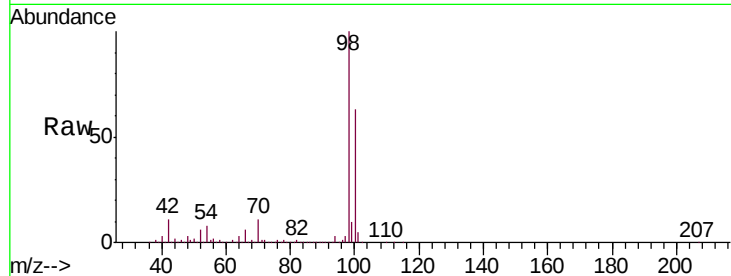
MW-21

Tot Ion: 98 Resp: 1407039

Ion Ratio Lower Upper

98 100

100 63.0 50.7 76.1



#55

1,1,2-Trichloroethane

Concen: 0.22 ug/l

RT: 10.53 min Scan# 2780

Delta R.T. -0.04 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

Tgt Ion: 97 Resp: 1857

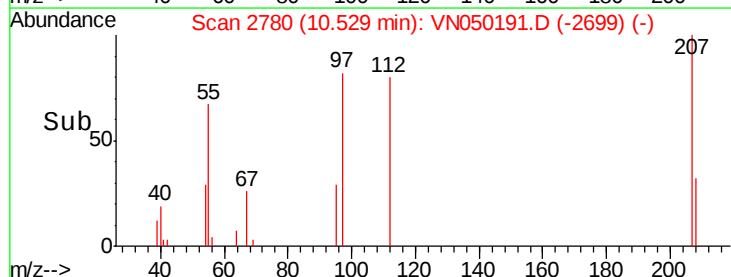
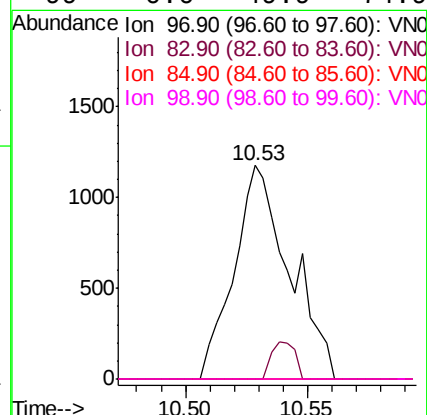
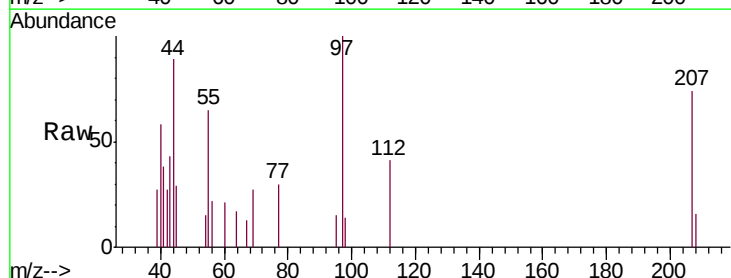
Ion Ratio Lower Upper

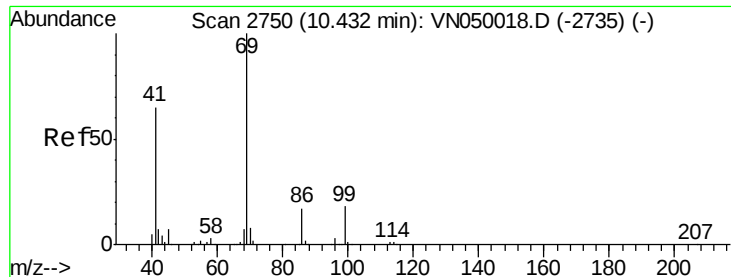
97 100

83 0.0 69.2 103.8#

85 0.0 44.0 66.0#

99 0.0 49.9 74.9#





#56

Ethyl methacrylate

Concen: 2.11 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

Instrument :

MSVOA_N

ClientSampled :

MW-21

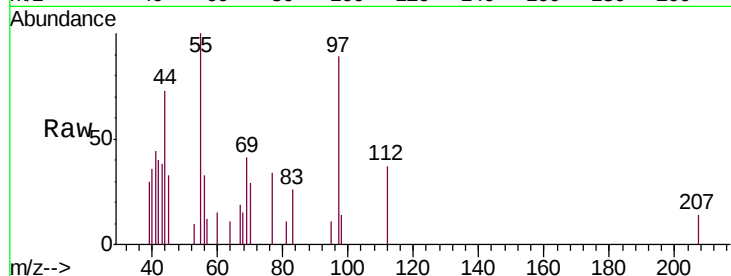
Tot Ion: 69 Resp: 905

Ion Ratio Lower Upper

69 100

41 206.7 51.0 76.4#

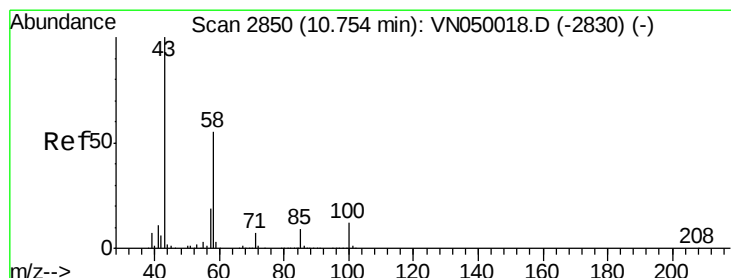
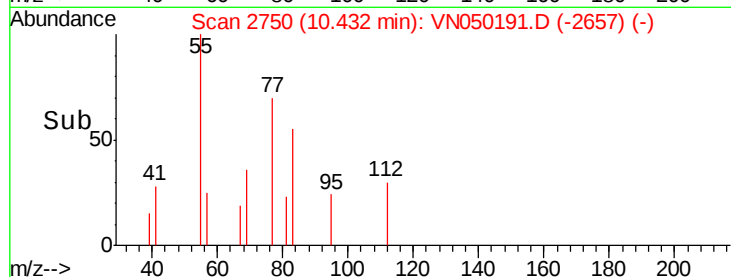
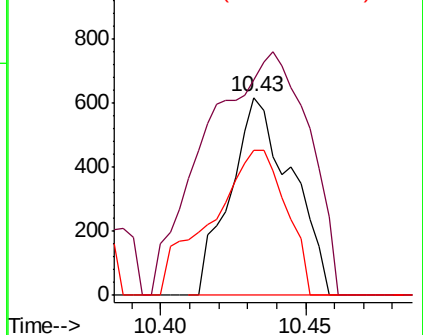
39 89.9 26.6 40.0#



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



#59

2-Hexanone

Concen: 5.21 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN050191.D

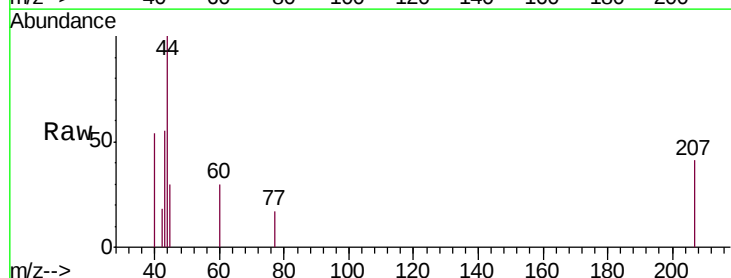
Acq: 30 Jul 2018 16:48

Tgt Ion: 43 Resp: 222

Ion Ratio Lower Upper

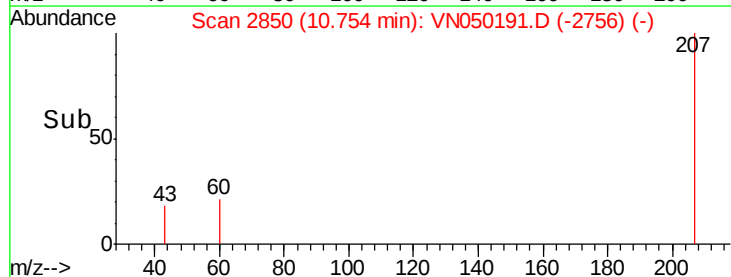
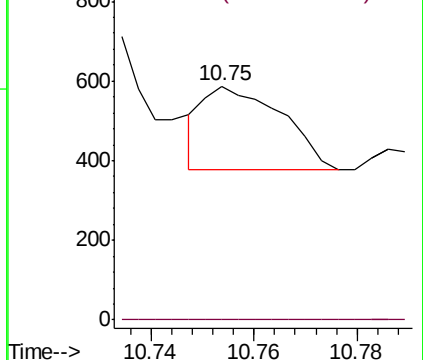
43 100

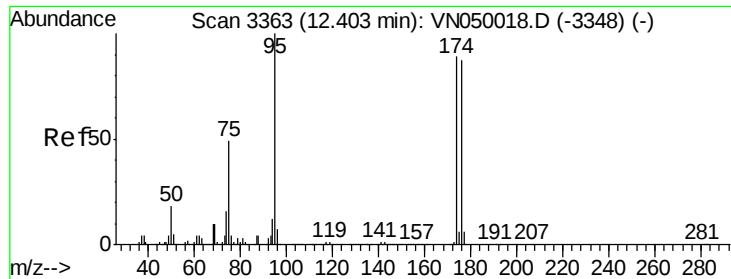
58 0.0 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 39.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

Instrument :

MSVOA_N

ClientSampled :

MW-21

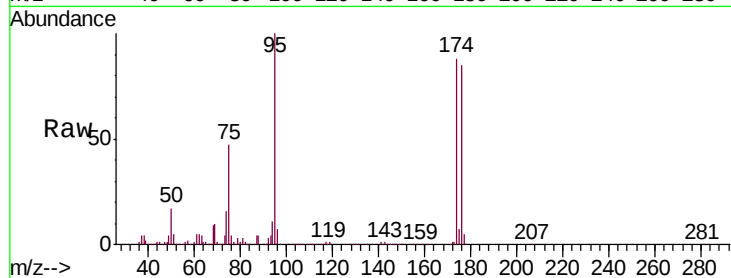
Tot Ion: 95 Resp: 404049

Ion Ratio Lower Upper

95 100

174 90.9 0.0 178.2

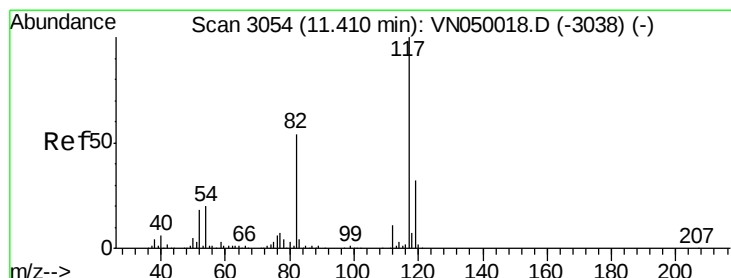
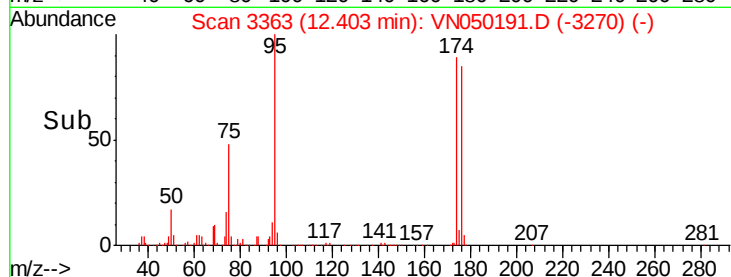
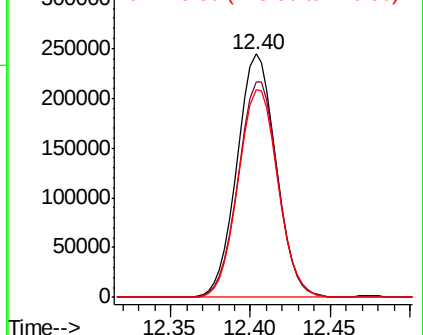
176 87.8 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

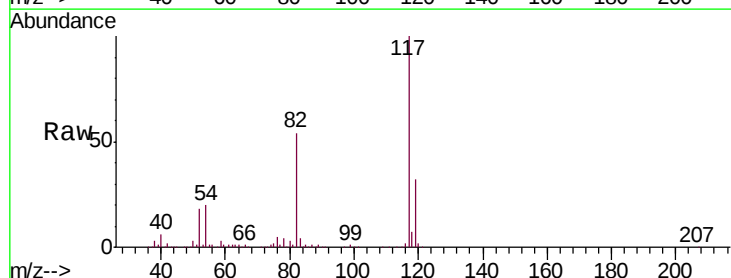
Tgt Ion: 117 Resp: 858058

Ion Ratio Lower Upper

117 100

82 53.6 43.7 65.5

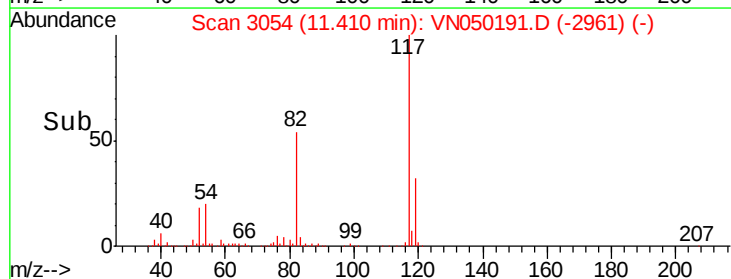
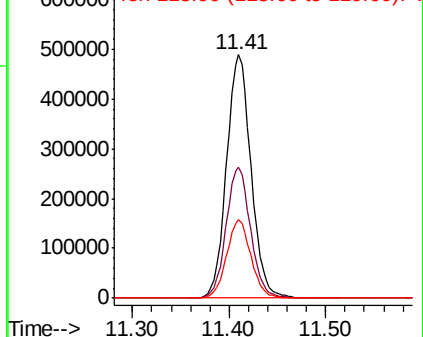
119 32.3 26.1 39.1

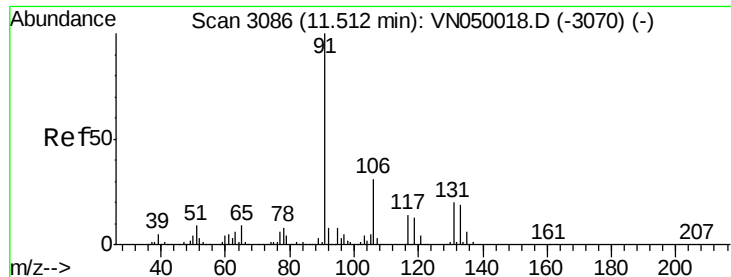


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#67

Ethyl Benzene

Concen: 0.21 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

Instrument :

MSVOA_N

ClientSampled :

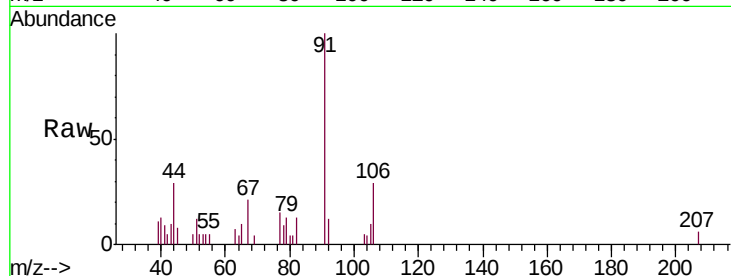
MW-21

Tot Ion: 91 Resp: 7382

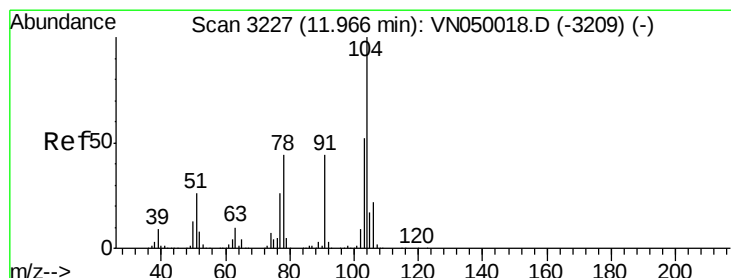
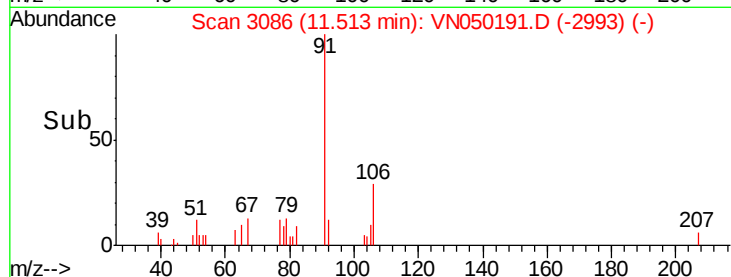
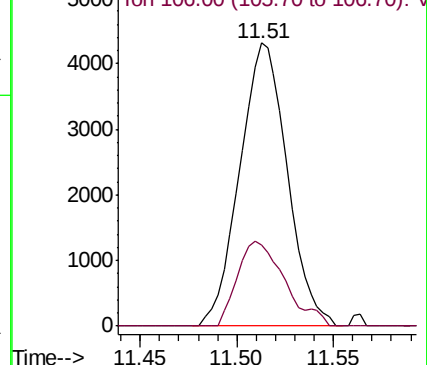
Ion Ratio Lower Upper

91 100

106 28.8 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3070) (-)



#70

Styrene

Concen: 0.94 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

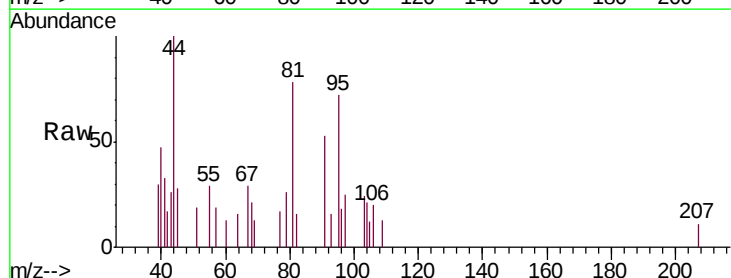
Tgt Ion: 104 Resp: 319

Ion Ratio Lower Upper

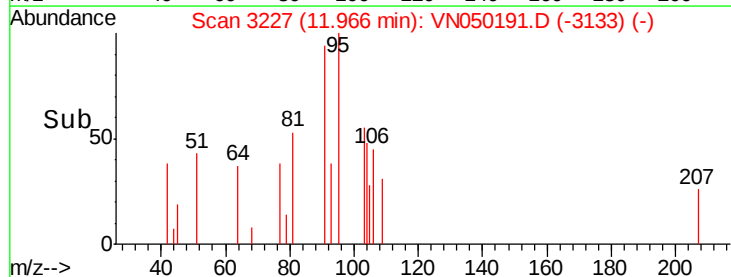
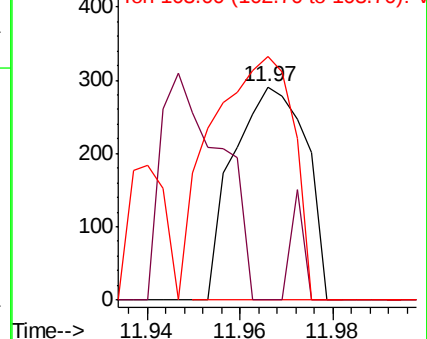
104 100

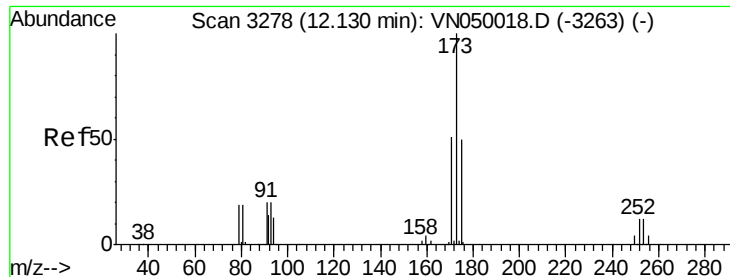
78 9.1 39.3 58.9#

103 129.5 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): VN050018.D (-3209) (-)





#71

Bromoform

Concen: 0.59 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

Instrument :

MSVOA_N

ClientSampleId :

MW-21

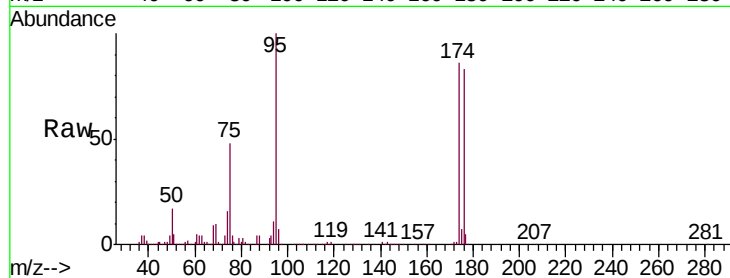
Tot Ion:173 Resp: 3560

Ion Ratio Lower Upper

173 100

175 678.4 24.1 72.2#

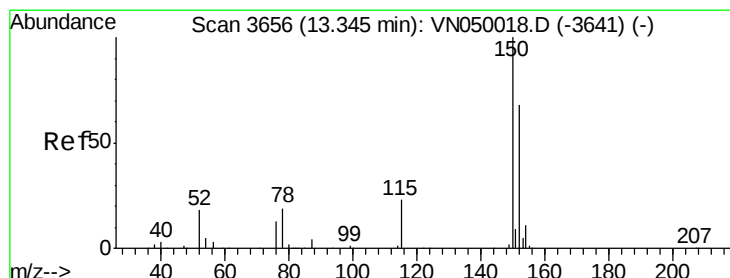
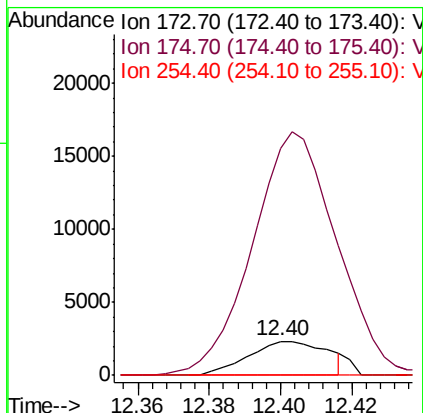
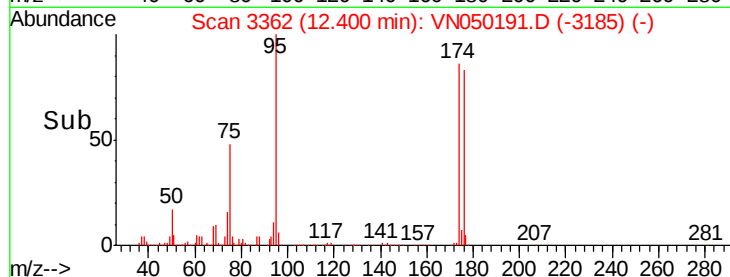
254 0.0 0.2 0.2#



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: VN050191.D

Acq: 30 Jul 2018 16:48

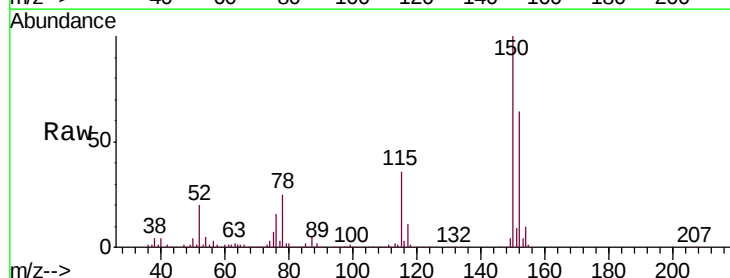
Tgt Ion:152 Resp: 350527

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.3

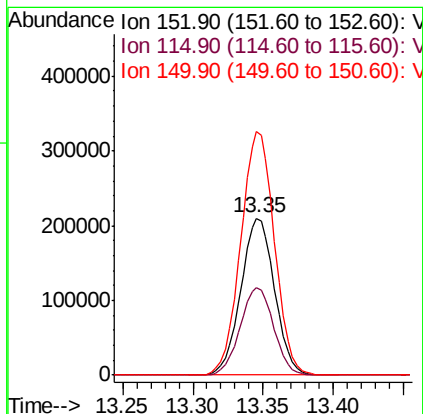
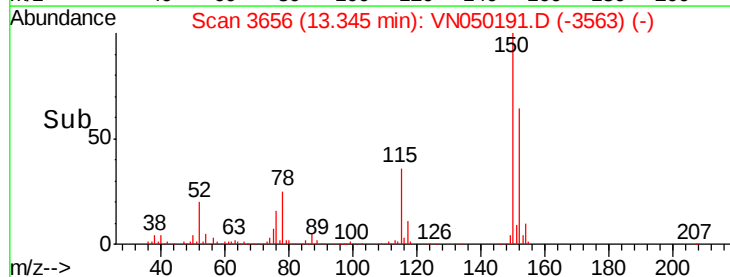
150 155.4 0.0 348.6

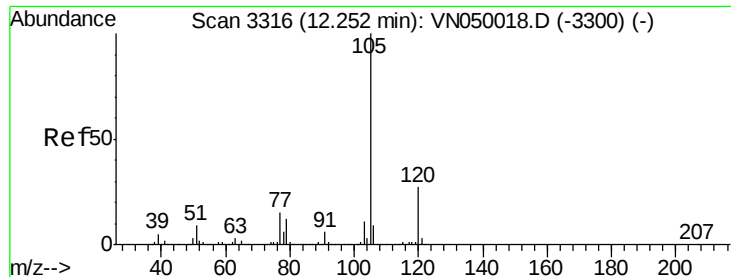


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.34 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

Instrument :

MSVOA_N

ClientSampled :

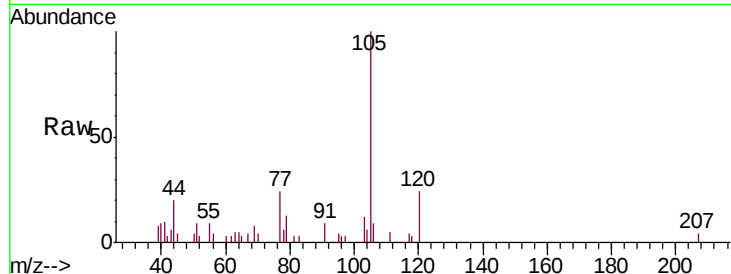
MW-21

Tot Ion:105 Resp: 9166

Ion Ratio Lower Upper

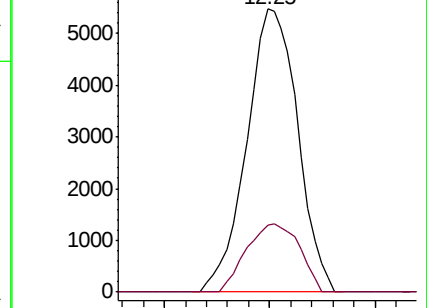
105 100

120 25.1 13.3 39.8

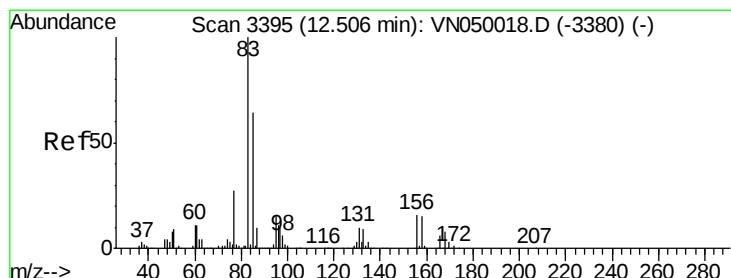
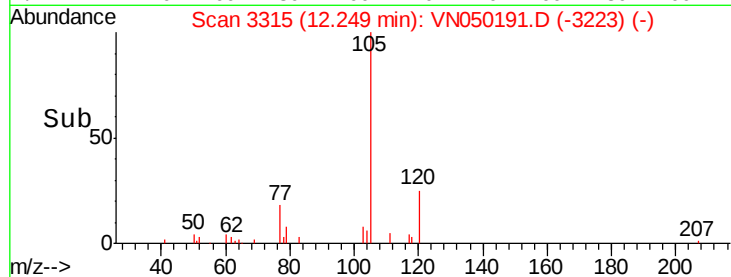


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

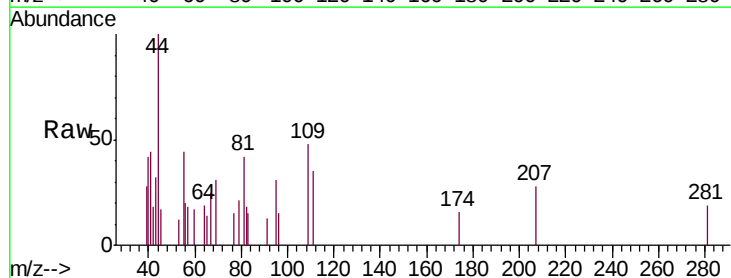
Tgt Ion: 83 Resp: 71

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

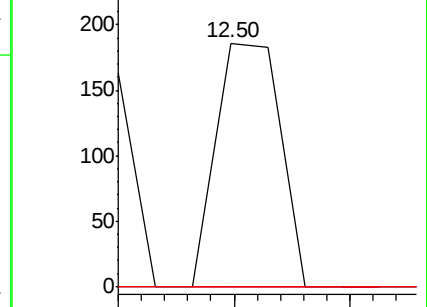
85 0.0 32.3 96.8#



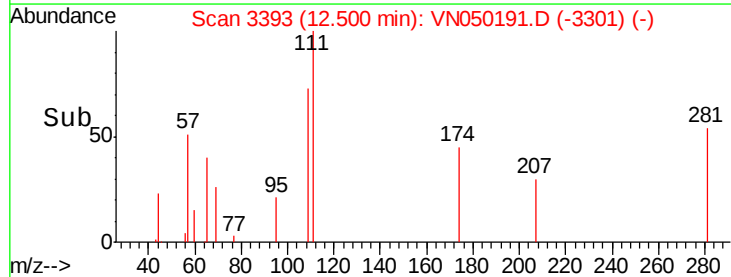
Abundance Ion 82.90 (82.60 to 83.60): VNO

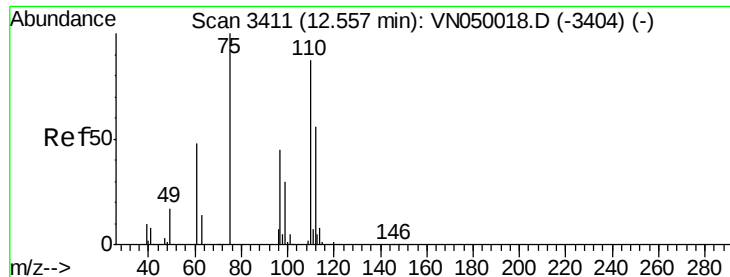
Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO



Time-->





#76

1,2,3-Trichloropropane

Concen: 30.28 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

Instrument :

MSVOA_N

ClientSampleId :

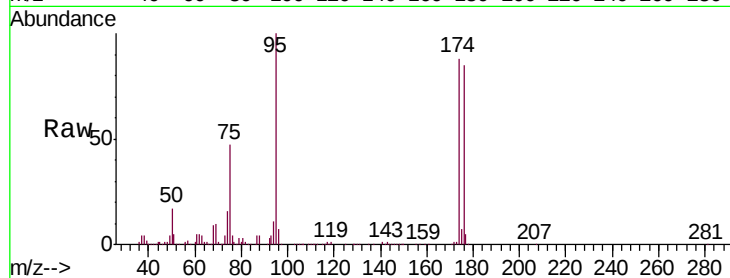
MW-21

Tot Ion: 75 Resp: 197254

Ion Ratio Lower Upper

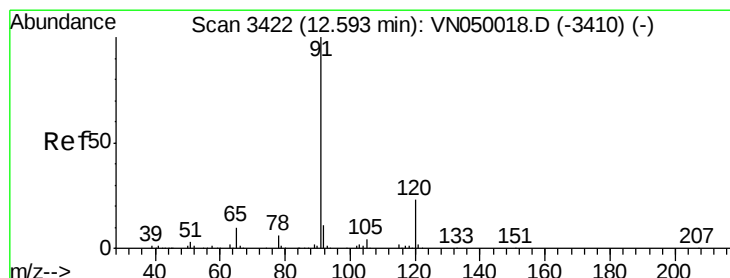
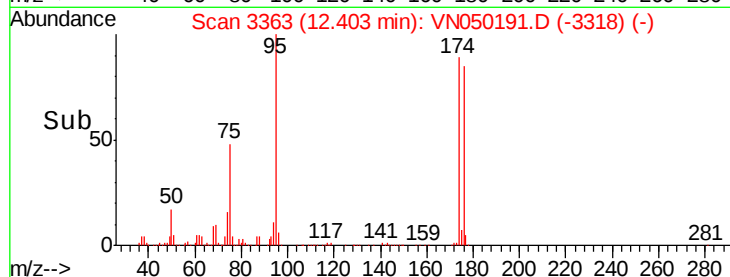
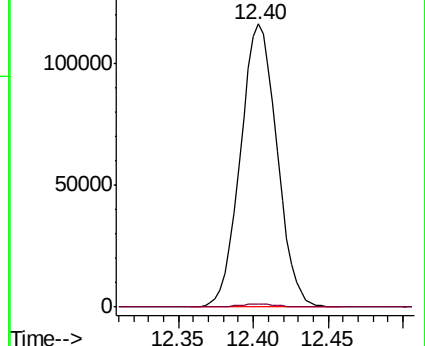
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.49 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050191.D

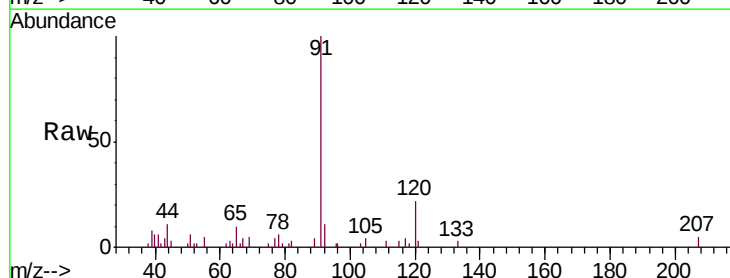
Acq: 30 Jul 2018 16:48

Tgt Ion: 91 Resp: 14853

Ion Ratio Lower Upper

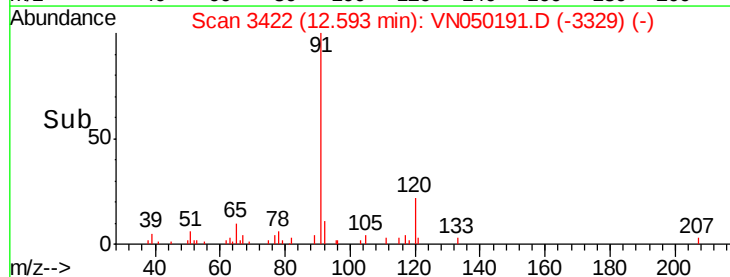
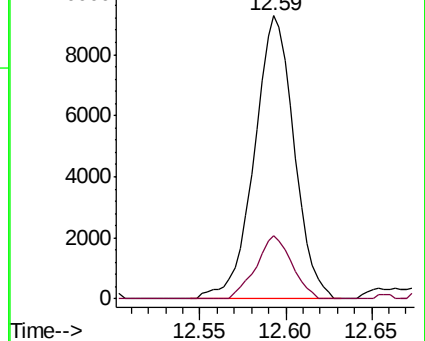
91 100

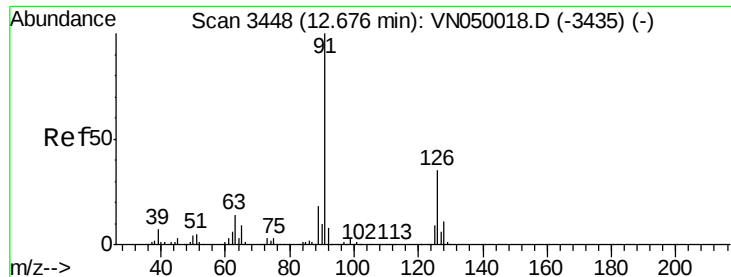
120 20.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.79 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

Instrument :

MSVOA_N

ClientSampled :

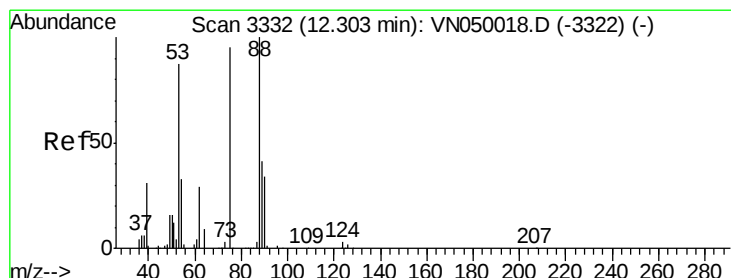
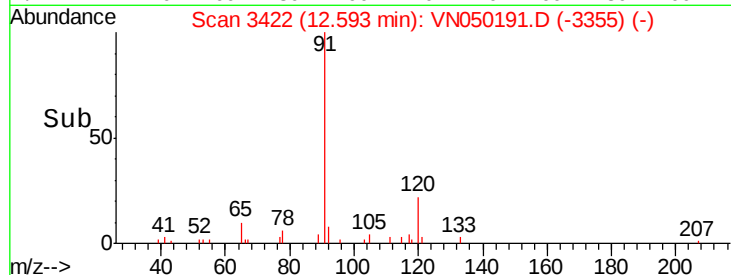
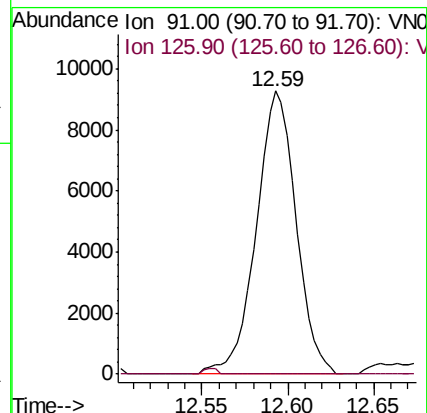
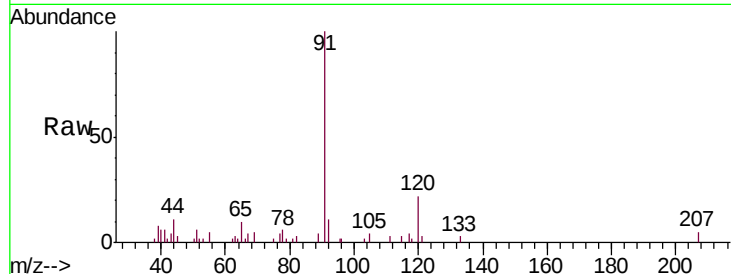
MW-21

Tot Ion: 91 Resp: 14853

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.04 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

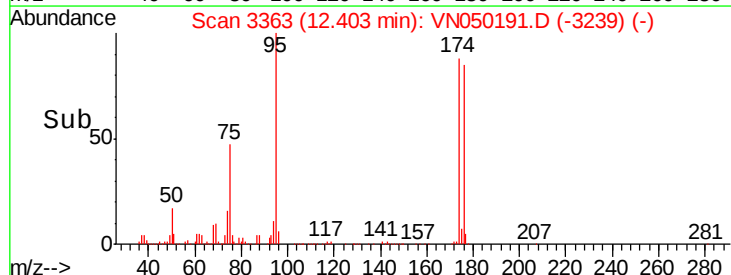
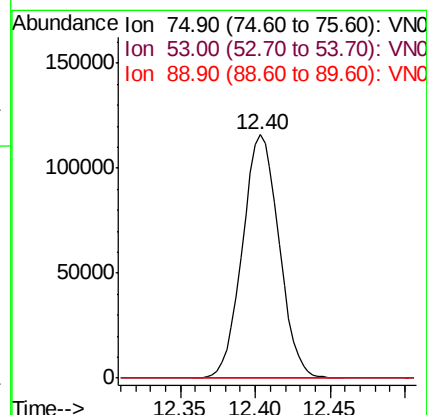
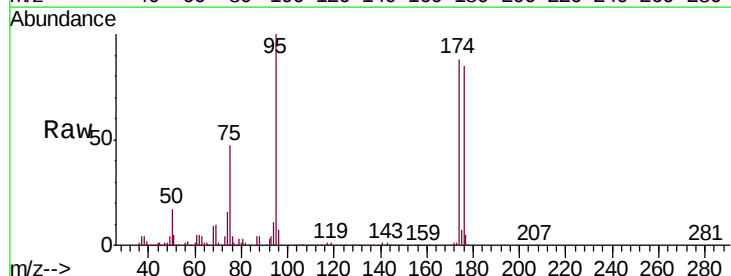
Tgt Ion: 75 Resp: 197254

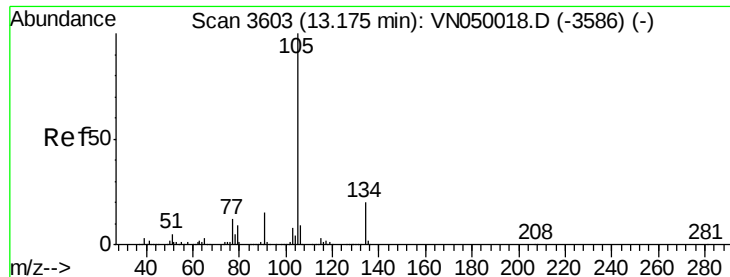
Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

89 0.0 36.0 54.0#





#85

sec-Butylbenzene

Concen: 0.39 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

Instrument :

MSVOA_N

ClientSampled :

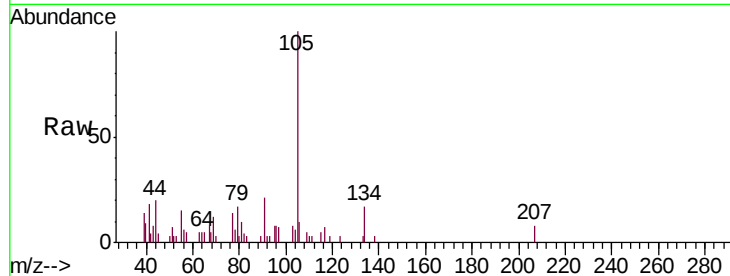
MW-21

Tot Ion:105 Resp: 9682

Ion Ratio Lower Upper

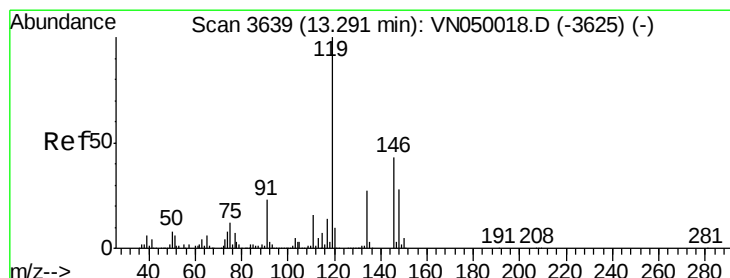
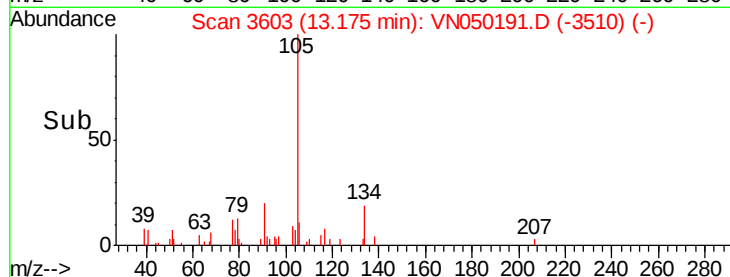
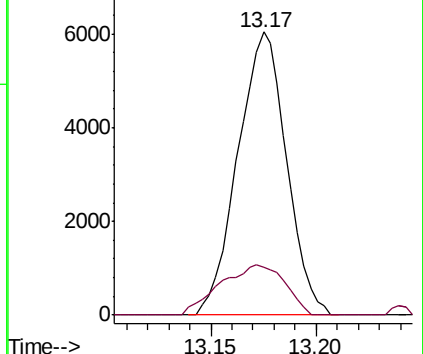
105 100

134 23.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.20 ug/l

RT: 13.44 min Scan# 3687

Delta R.T. 0.15 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

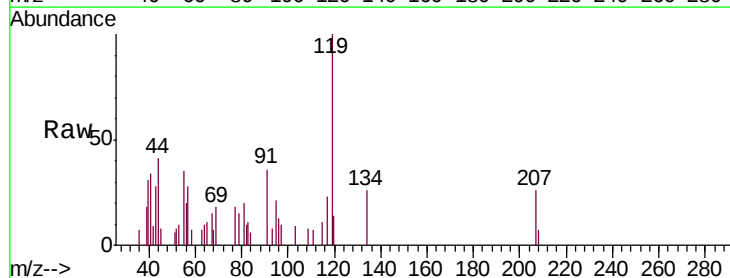
Tgt Ion:119 Resp: 4237

Ion Ratio Lower Upper

119 100

134 30.1 13.3 39.8

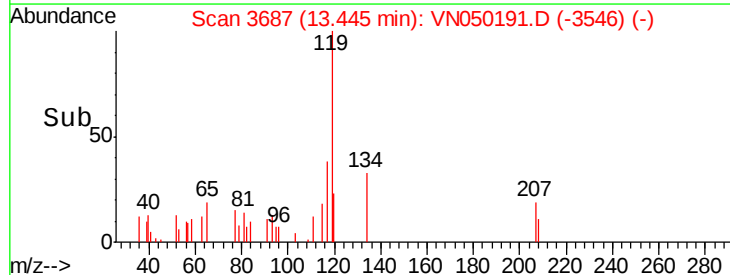
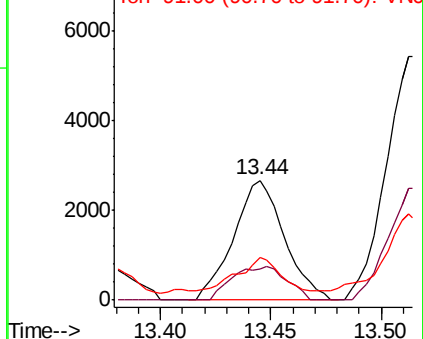
91 23.4 11.4 34.2

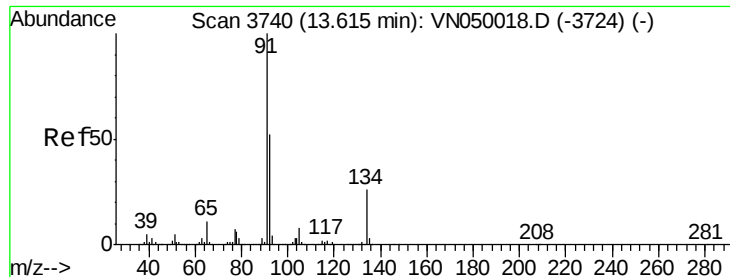


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.25 ug/l

RT: 13.61 min Scan# 3739

Delta R.T. -0.01 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

Instrument :

MSVOA_N

ClientSampleId :

MW-21

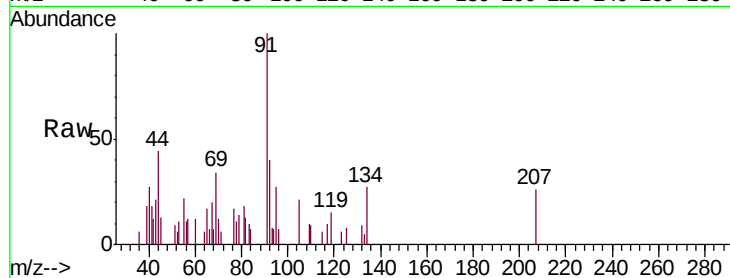
Tot Ion: 91 Resp: 4304

Ion Ratio Lower Upper

91 100

92 46.1 25.8 77.4

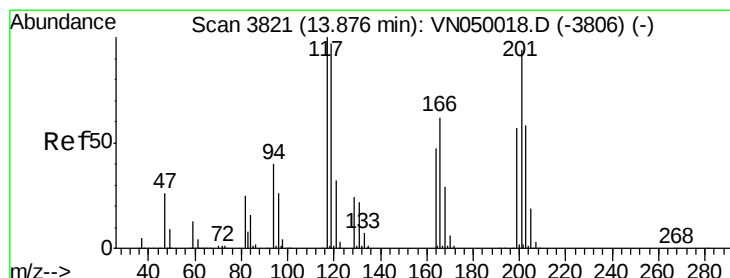
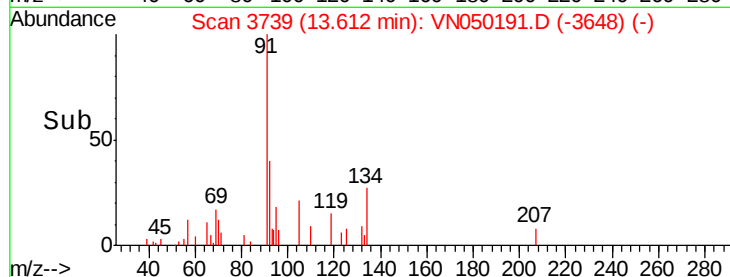
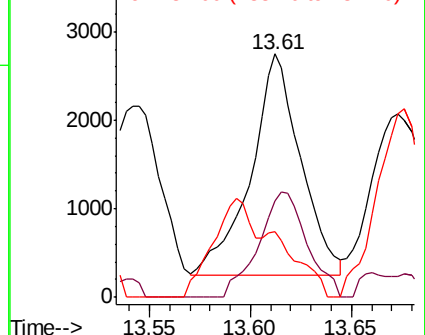
134 0.0 12.8 38.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.73 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN050191.D

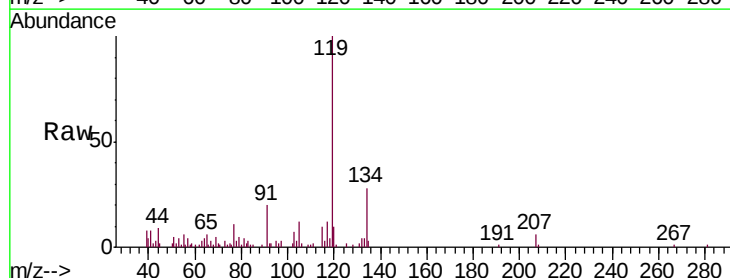
Acq: 30 Jul 2018 16:48

Tgt Ion: 117 Resp: 3388

Ion Ratio Lower Upper

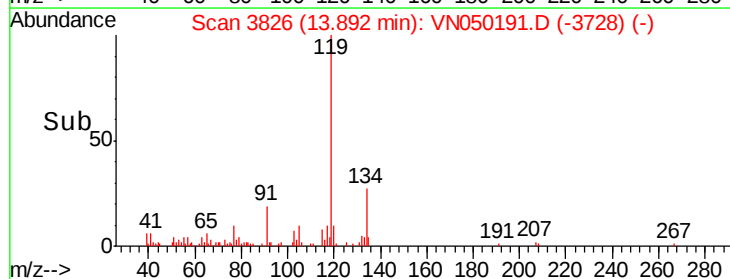
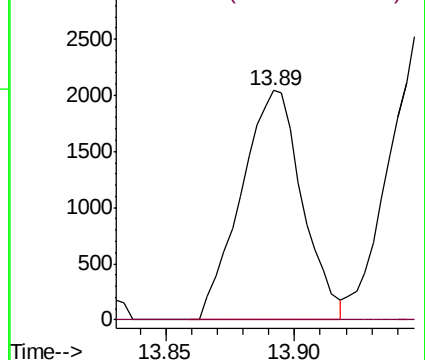
117 100

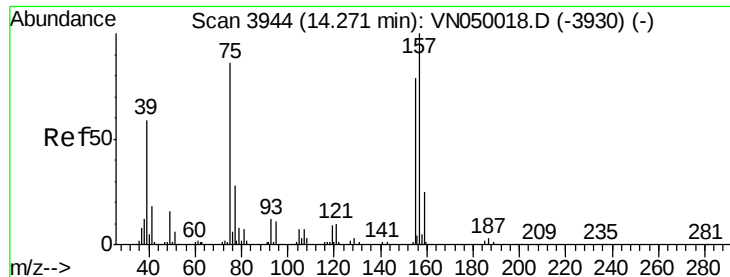
201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.21 min Scan# 3924

Delta R.T. -0.06 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

Instrument :

MSVOA_N

ClientSampleId :

MW-21

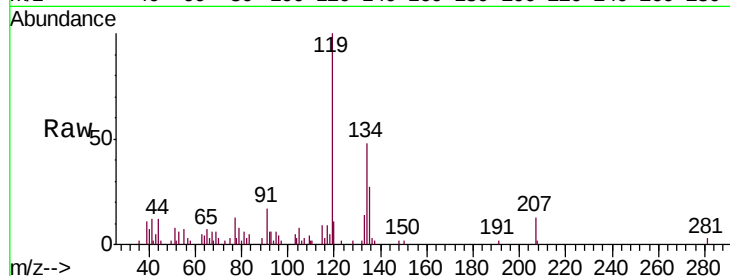
Tot Ion: 75 Resp: 211

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

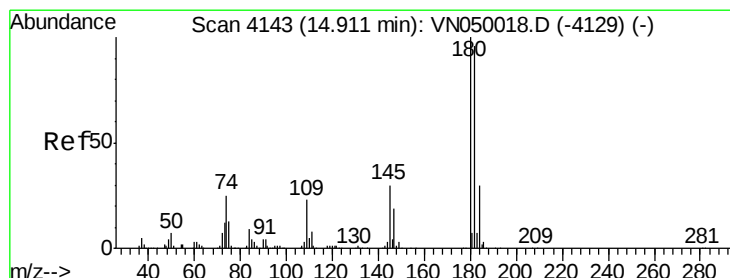
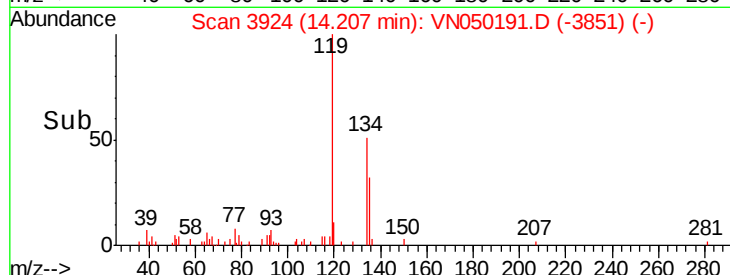
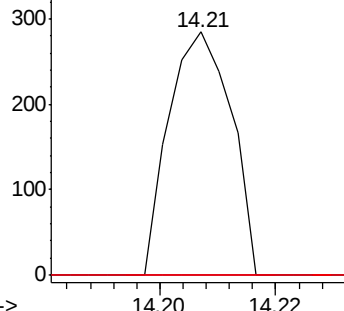
157 0.0 57.2 171.6#



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN050018.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN050018.D (-3930) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.10 ug/l

RT: 15.19 min Scan# 4231

Delta R.T. 0.28 min

Lab File: VN050191.D

Acq: 30 Jul 2018 16:48

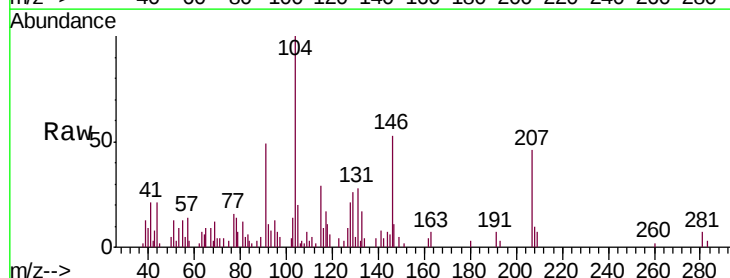
Tgt Ion: 180 Resp: 104

Ion Ratio Lower Upper

180 100

182 0.0 46.7 140.1#

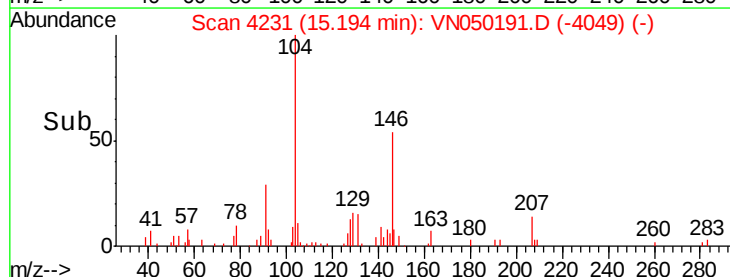
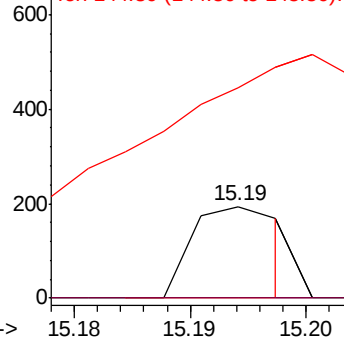
145 0.0 13.8 41.4#

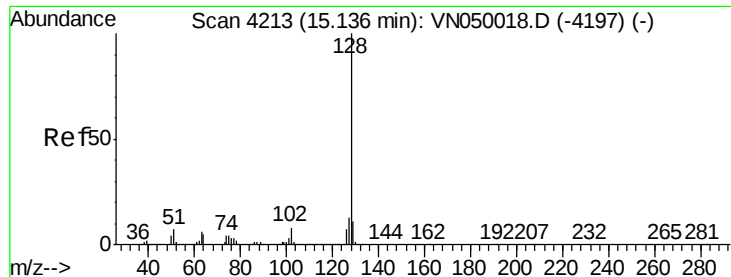


Abundance Ion 179.80 (179.50 to 180.50): VN050018.D (-4129) (-)

Ion 181.80 (181.50 to 182.50): VN050018.D (-4129) (-)

Ion 144.80 (144.50 to 145.50): VN050018.D (-4129) (-)

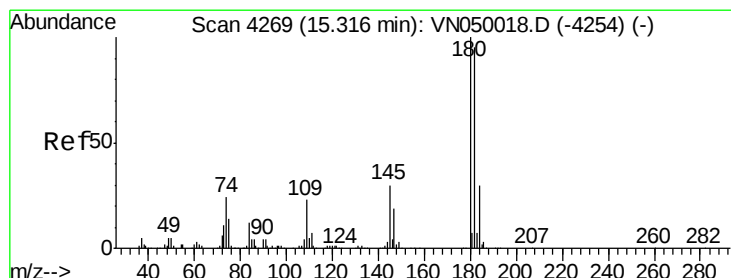
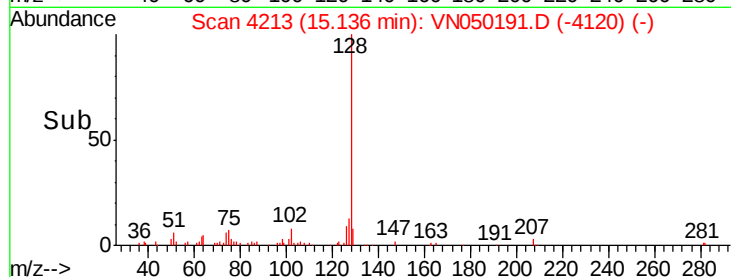
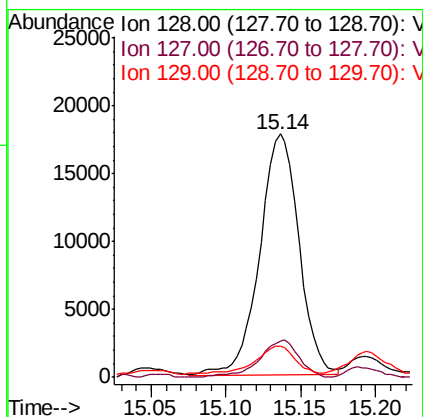
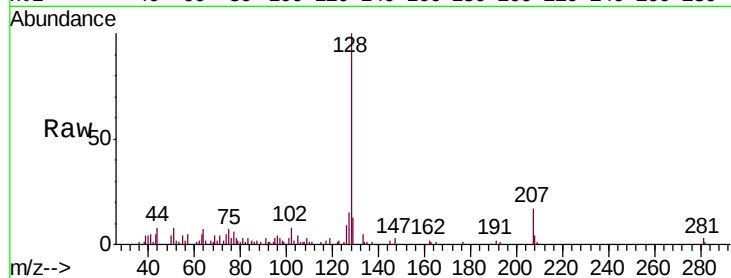




#95
Naphthalene
Concen: 6.27 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050191.D
Acq: 30 Jul 2018 16:48

Instrument :
MSVOA_N
ClientSampleId :
MW-21

Tot Ion:128 Resp: 32611
Ion Ratio Lower Upper
128 100
127 15.4 10.4 15.6
129 13.5 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 2.22 ug/l
RT: 15.19 min Scan# 4231
Delta R.T. -0.12 min
Lab File: VN050191.D
Acq: 30 Jul 2018 16:48

Tgt Ion:180 Resp: 104
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.4#
145 817.3 15.3 45.9#

