

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050193.D
 Acq On : 30 Jul 2018 17:37
 Operator : MD\SY
 Sample : J4221-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A09

Quant Time: Jul 31 01:13:29 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	637851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1059612	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	864664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	296739	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	454012	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
35) Dibromofluoromethane	7.59	113	403130	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
50) Toluene-d8	10.09	98	1425804	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	
62) 4-Bromofluorobenzene	12.40	95	387373	36.99	ug/l	0.00
Spiked Amount			Recovery	=	73.98%	

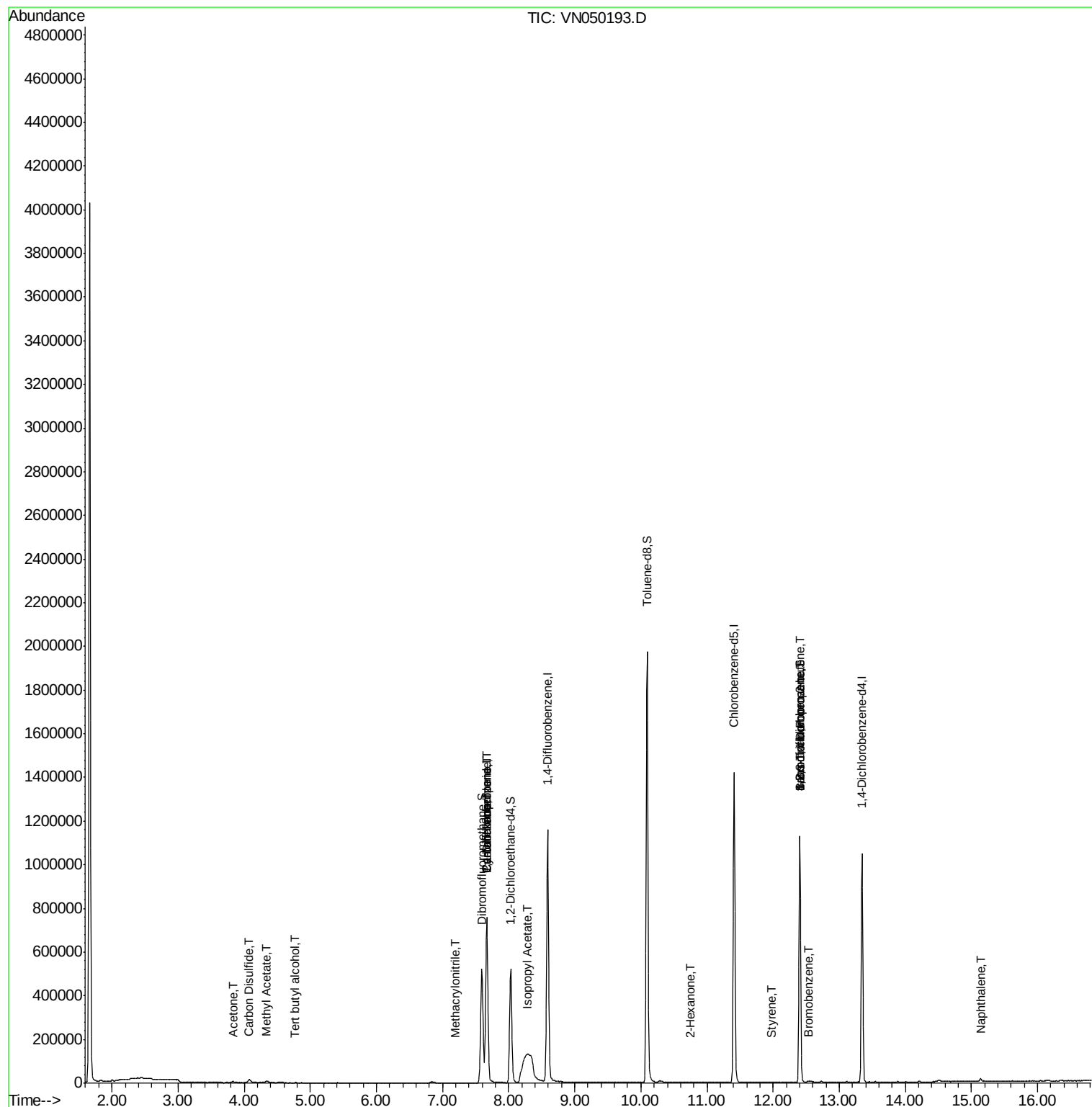
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	580	Below Cal	#	31
11) Tert butyl alcohol	4.77	59	145	0.22	ug/l	# 72
16) Acetone	3.82	43	9653	0.27	ug/l	97
17) Carbon Disulfide	4.05	76	4668	0.21	ug/l	# 75
18) Methyl Acetate	4.33	43	15905	0.33	ug/l	95
20) Methylene Chloride	4.55	84	1048	Below Cal	#	81
31) Cyclohexane	7.67	56	12588	0.96	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	45505	3.81	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	58126	4.59	ug/l	# 16
41) Methacrylonitrile	7.19	41	30	2.76	ug/l	# 10
43) Isopropyl Acetate	8.27	43	209311	12.49	ug/l	# 61
59) 2-Hexanone	10.74	43	264	5.22	ug/l	# 24
70) Styrene	11.97	104	33	0.92	ug/l	# 1
71) Bromoform	12.40	173	3376	0.55	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.39	83	279	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	188620	34.20	ug/l	# 100
77) Bromobenzene	12.54	156	2464	0.39	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.40	75	188620	108.49	ug/l	# 13
92) 1,2-Dibromo-3-Chloropropan	14.48	75	31	Below Cal	#	1
95) Naphthalene	15.14	128	11861	5.21	ug/l	# 96

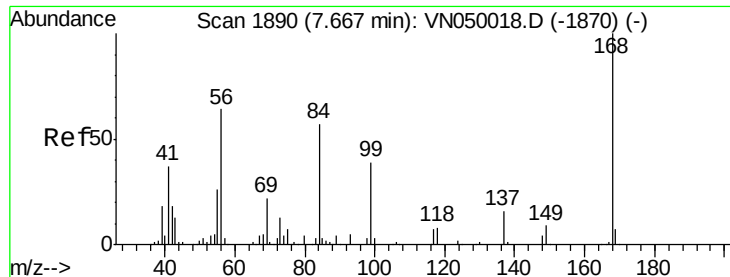
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073018\
Data File : VN050193.D
Acq On : 30 Jul 2018 17:37
Operator : MD\SY
Sample : J4221-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-A09

Quant Time: Jul 31 01:13:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050193.D

Acq: 30 Jul 2018 17:37

Instrument :

MSVOA_N

ClientSampleId :

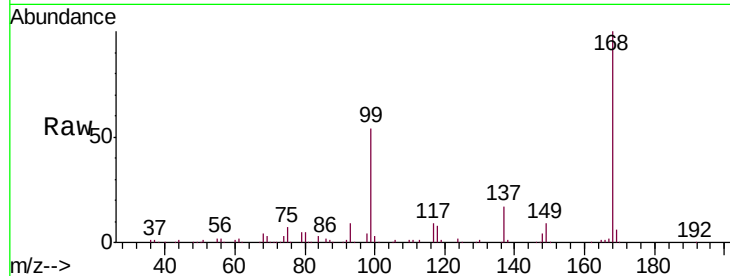
MW-A09

Tot Ion:168 Resp: 637851

Ion Ratio Lower Upper

168 100

99 53.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

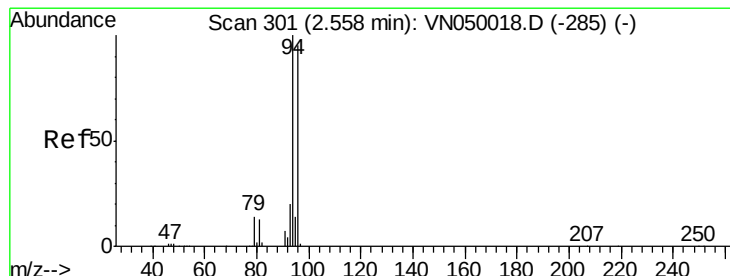
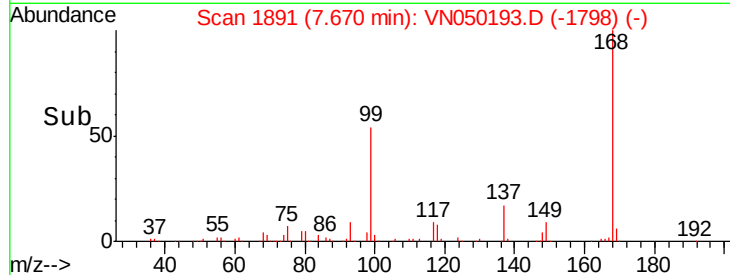
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: VN050193.D

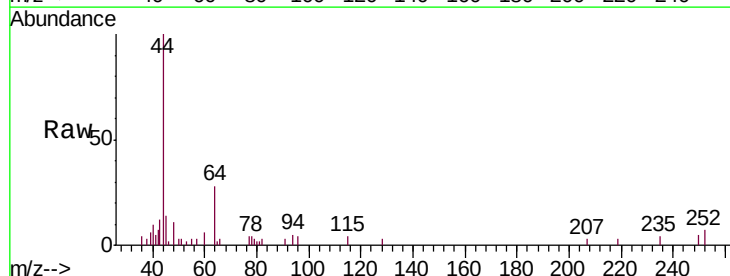
Acq: 30 Jul 2018 17:37

Tgt Ion: 94 Resp: 580

Ion Ratio Lower Upper

94 100

96 27.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

400

300

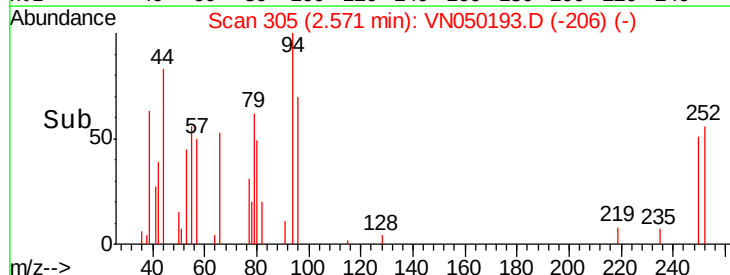
200

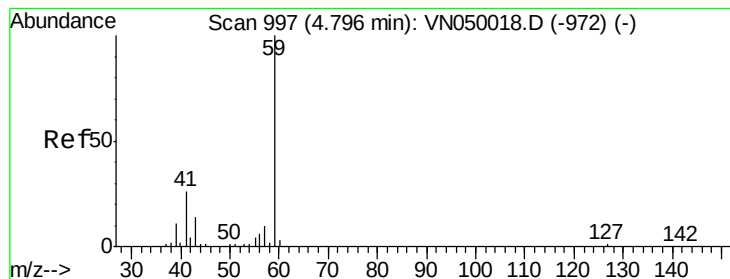
100

0

2.52 2.54 2.56 2.58 2.60

Time-->



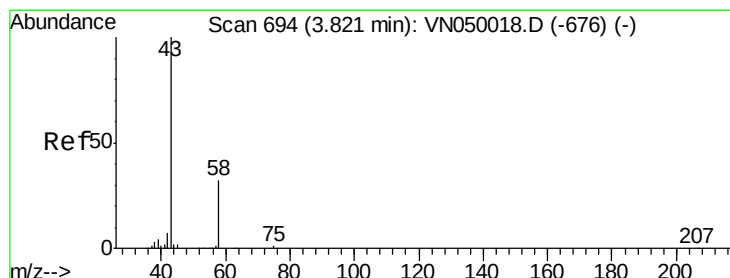
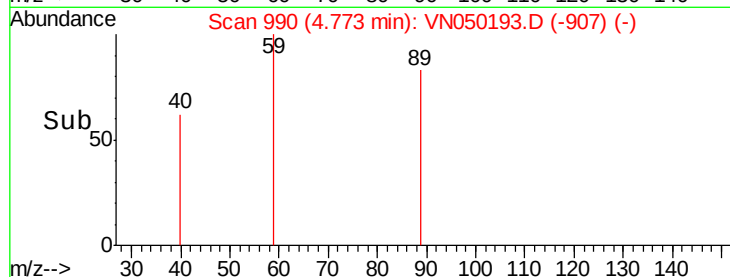
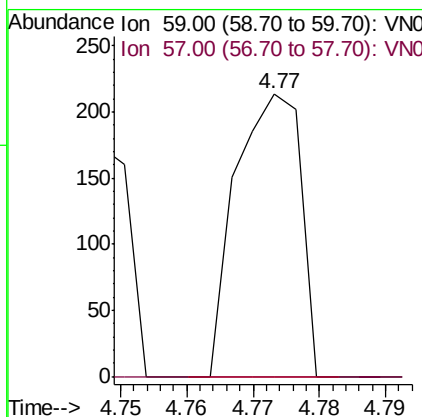
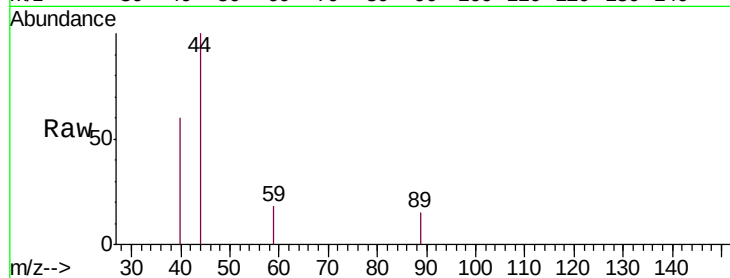


#11

Tert butyl alcohol
 Concen: 0.22 ug/l
 RT: 4.77 min Scan# 990
 Delta R.T. -0.03 min
 Lab File: VN050193.D
 Acq: 30 Jul 2018 17:37

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A09

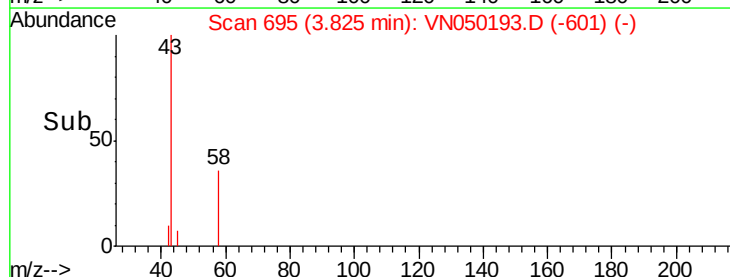
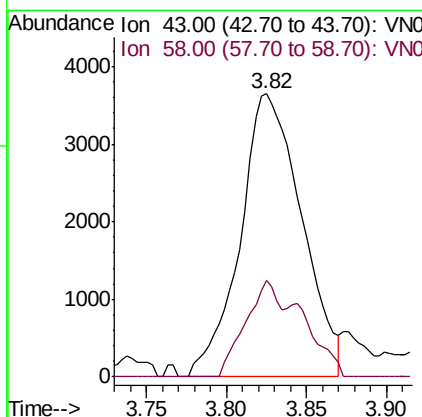
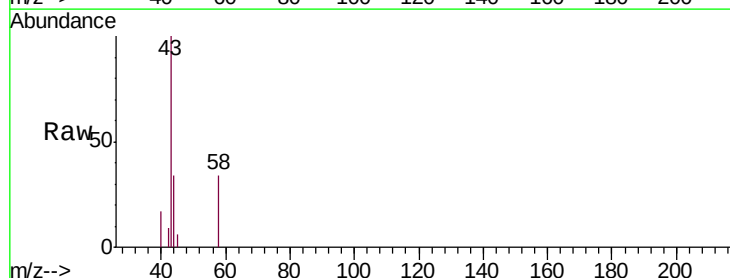
Tot Ion: 59 Resp: 145
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

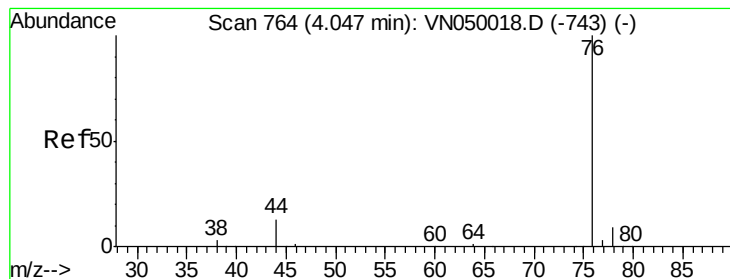


#16

Acetone
 Concen: 0.27 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN050193.D
 Acq: 30 Jul 2018 17:37

Tgt Ion: 43 Resp: 9653
 Ion Ratio Lower Upper
 43 100
 58 34.0 25.8 38.8





#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050193.D

Acq: 30 Jul 2018 17:37

Instrument :

MSVOA_N

ClientSampleId :

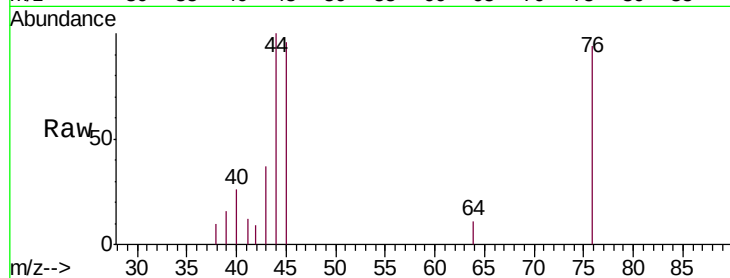
MW-A09

Tot Ion: 76 Resp: 4668

Ion Ratio Lower Upper

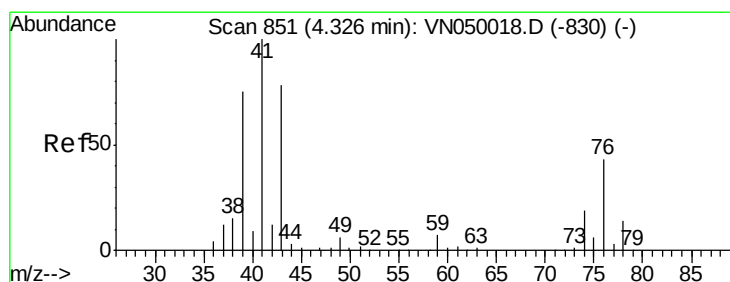
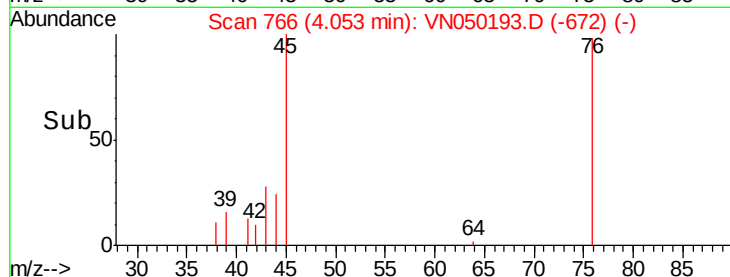
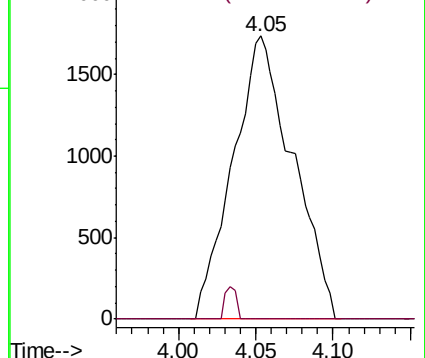
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.33 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050193.D

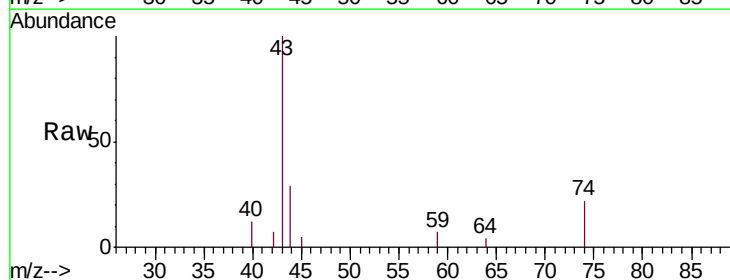
Acq: 30 Jul 2018 17:37

Tgt Ion: 43 Resp: 15905

Ion Ratio Lower Upper

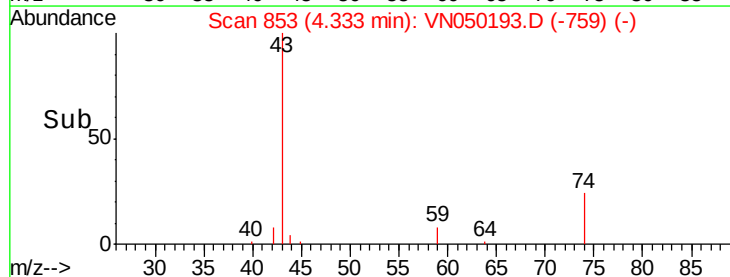
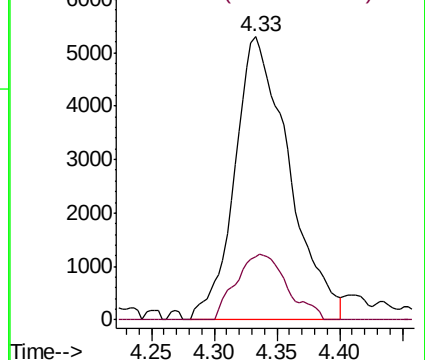
43 100

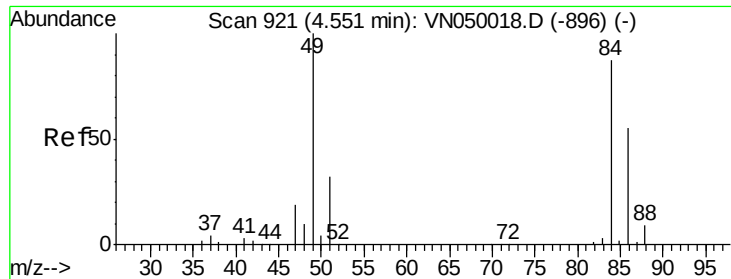
74 21.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

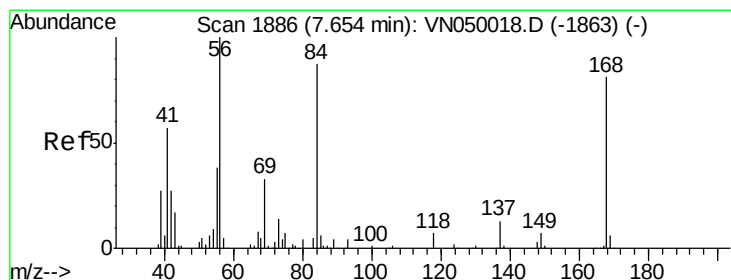
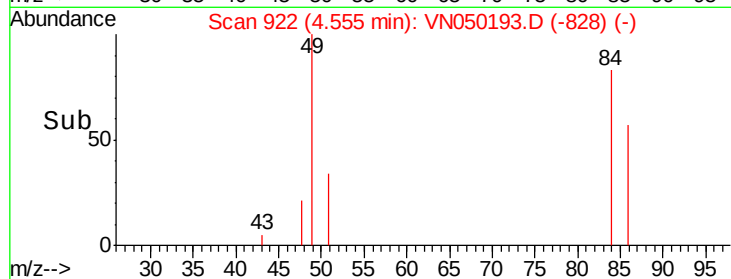
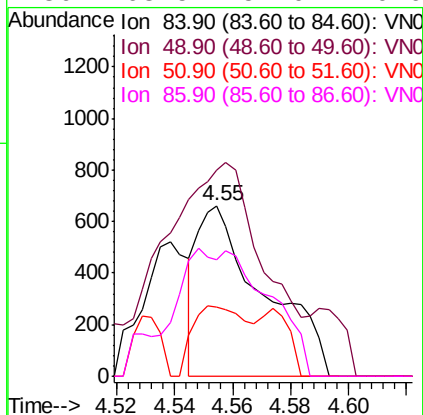
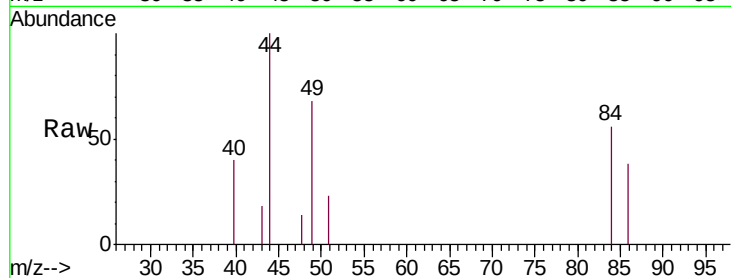




#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050193.D
Acq: 30 Jul 2018 17:37

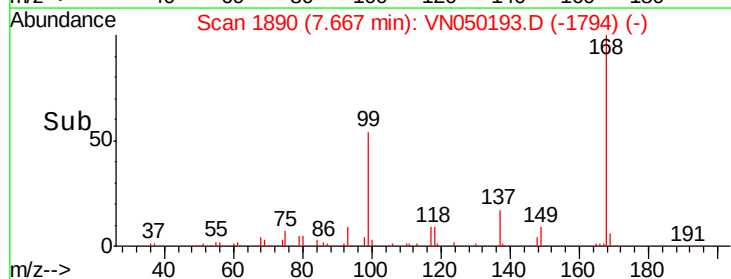
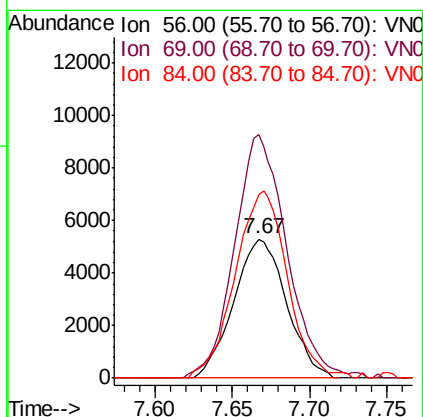
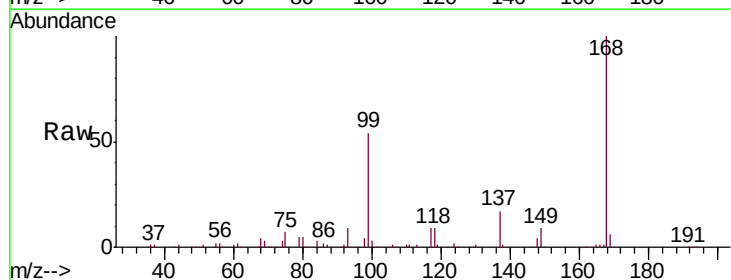
Instrument :
MSVOA_N
ClientSampleId :
MW-A09

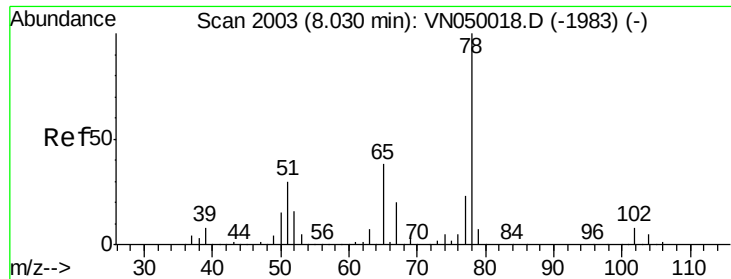
Tot Ion: 84 Resp: 1048
Ion Ratio Lower Upper
84 100
49 87.0 94.8 142.2#
51 40.5 28.3 42.5
86 68.5 51.0 76.6



#31
Cyclohexane
Concen: 0.96 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050193.D
Acq: 30 Jul 2018 17:37

Tgt Ion: 56 Resp: 12588
Ion Ratio Lower Upper
56 100
69 171.8 26.2 39.4#
84 132.1 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 51.02 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050193.D

Acq: 30 Jul 2018 17:37

Instrument :

MSVOA_N

ClientSampleId :

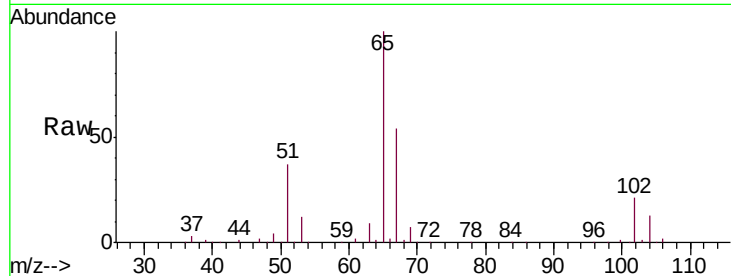
MW-A09

Tot Ion: 65 Resp: 454012

Ion Ratio Lower Upper

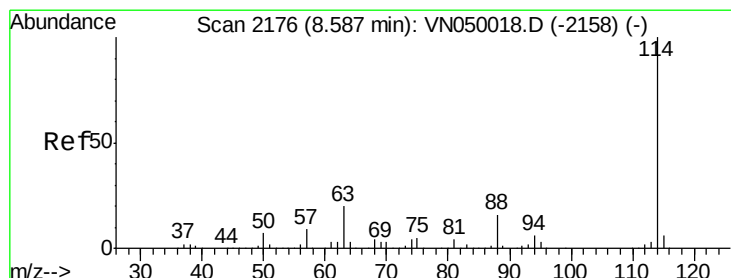
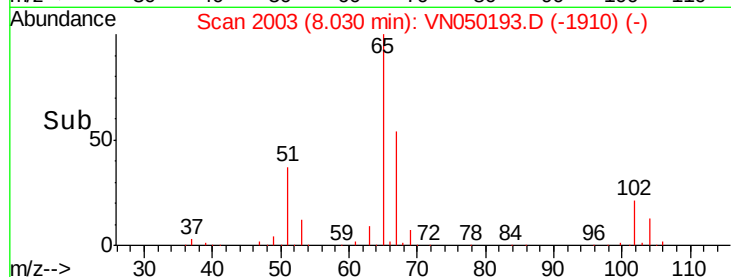
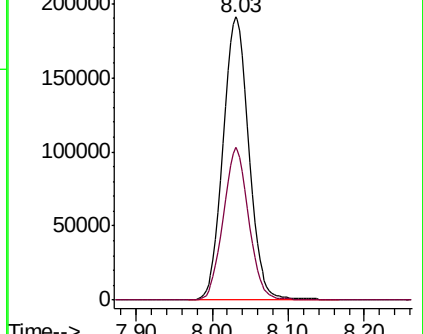
65 100

67 52.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050193.D

Acq: 30 Jul 2018 17:37

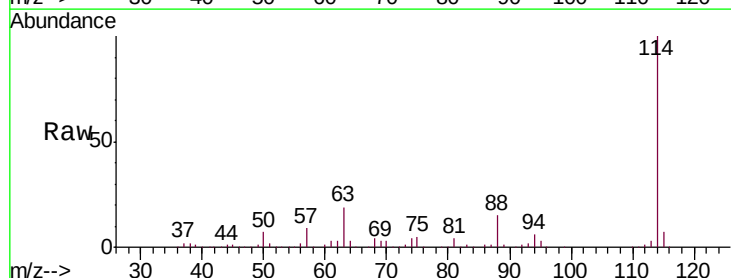
Tgt Ion: 114 Resp: 1059612

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

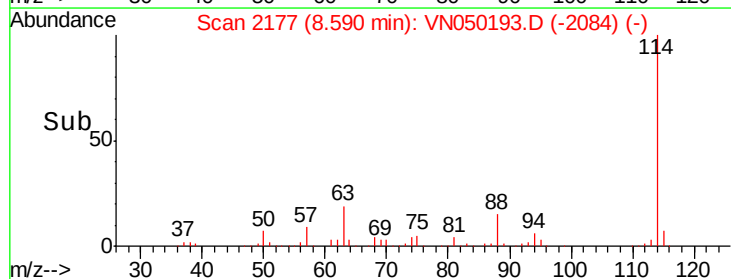
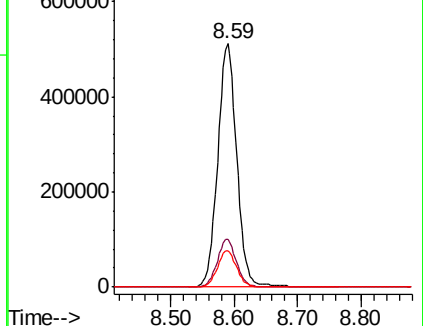
88 15.1 0.0 31.2

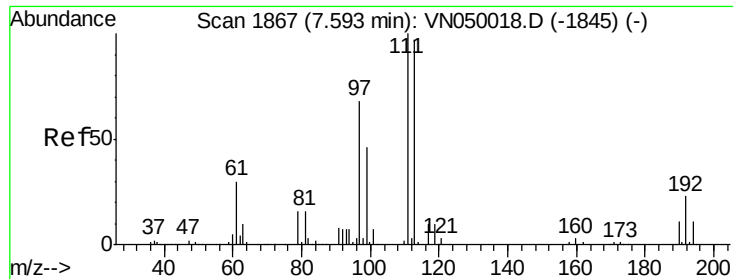


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

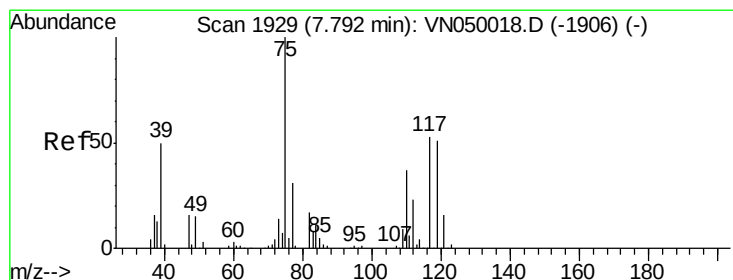
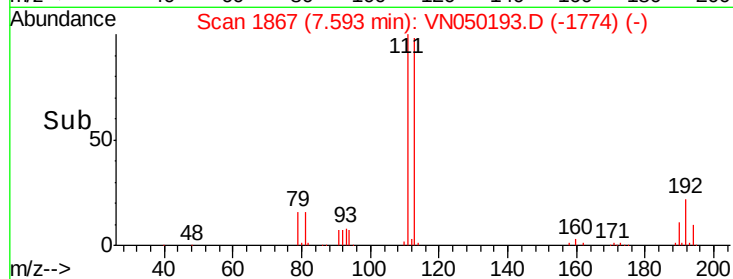
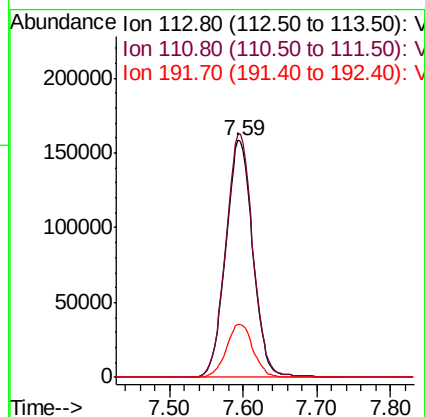
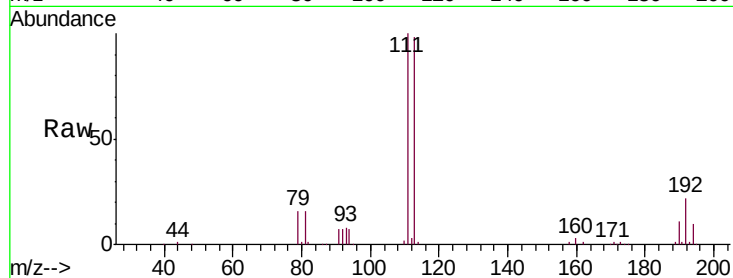




#35
 Dibromofluoromethane
 Concen: 46.60 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050193.D
 Acq: 30 Jul 2018 17:37

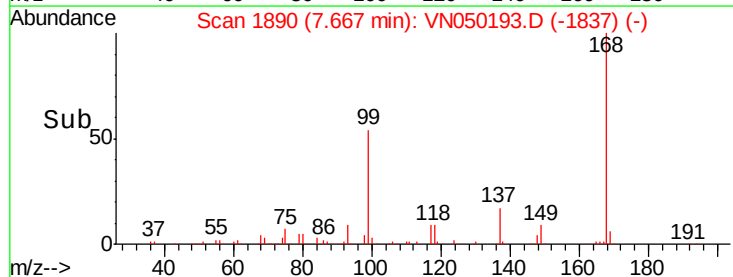
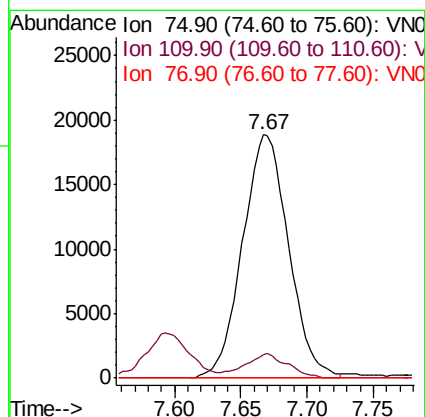
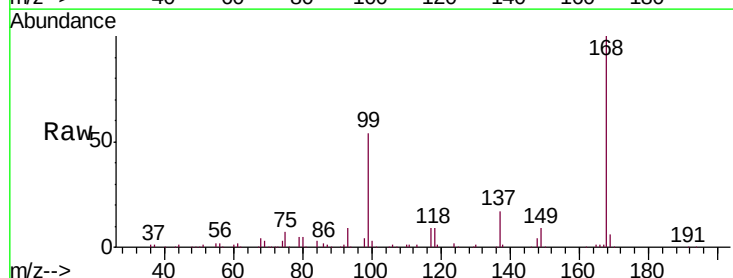
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A09

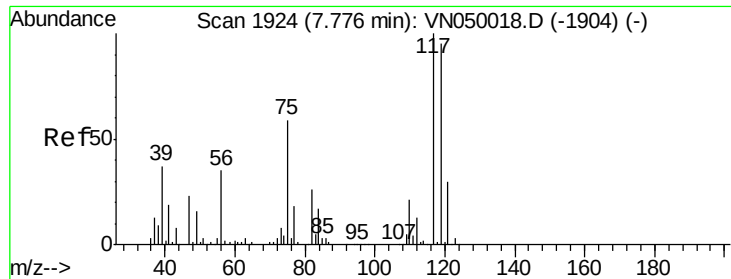
Tot Ion:113 Resp: 403130
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.7 121.1
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.81 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050193.D
 Acq: 30 Jul 2018 17:37

Tgt Ion: 75 Resp: 45505
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.4 55.2#
 77 0.0 25.3 37.9#

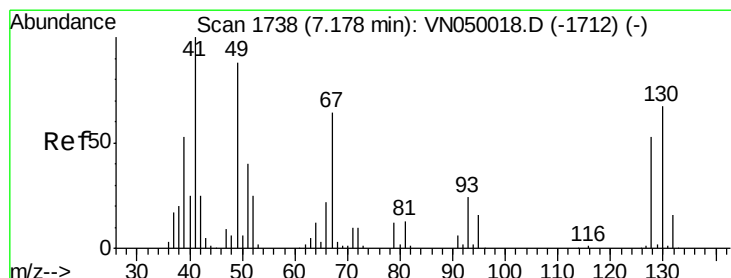
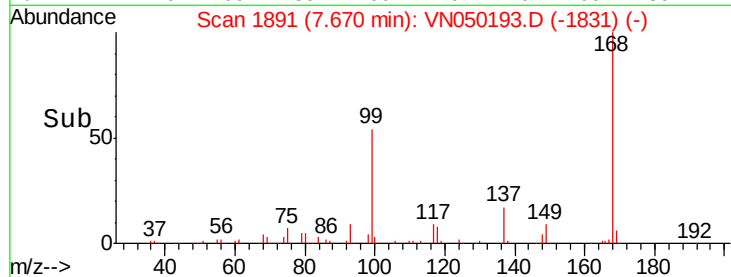
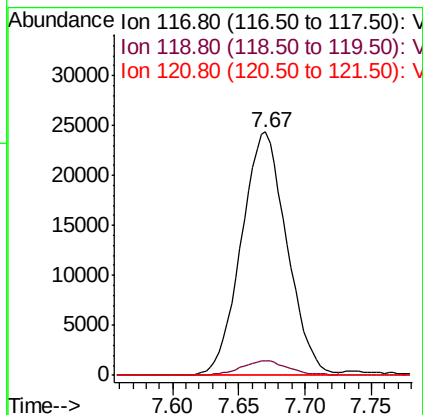
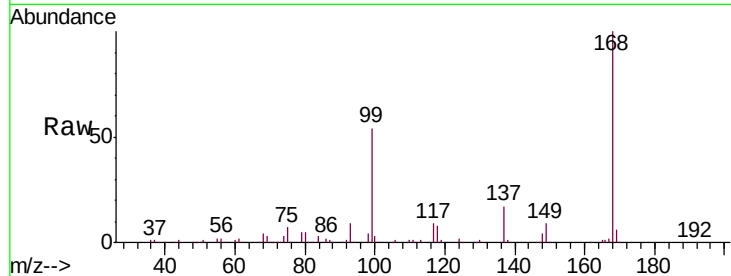




#38
Carbon Tetrachloride
Concen: 4.59 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050193.D
Acq: 30 Jul 2018 17:37

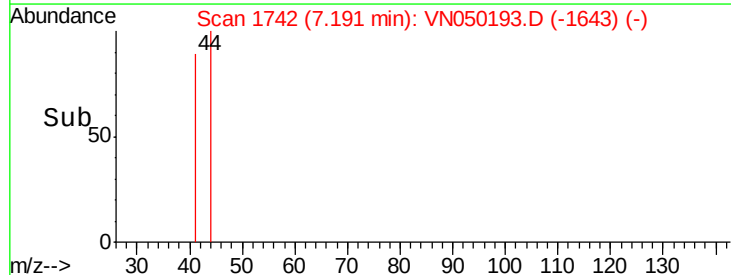
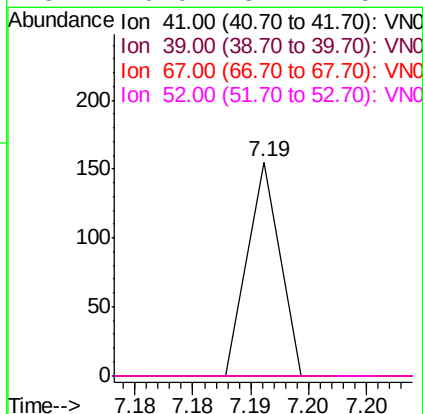
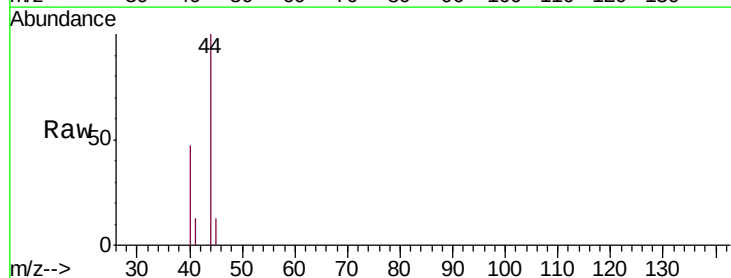
Instrument :
MSVOA_N
ClientSampleId :
MW-A09

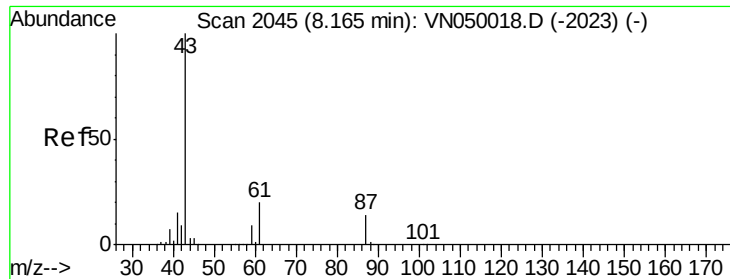
Tot Ion:117 Resp: 58126
Ion Ratio Lower Upper
117 100
119 5.8 77.4 116.0#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 2.76 ug/l
RT: 7.19 min Scan# 1742
Delta R.T. 0.02 min
Lab File: VN050193.D
Acq: 30 Jul 2018 17:37

Tgt Ion: 41 Resp: 30
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#





#43

Isopropyl Acetate

Concen: 12.49 ug/l

RT: 8.27 min Scan# 2079

Delta R.T. 0.11 min

Lab File: VN050193.D

Acq: 30 Jul 2018 17:37

Instrument :

MSVOA_N

ClientSampleId :

MW-A09

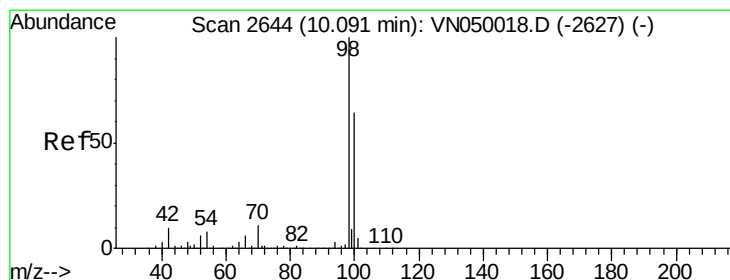
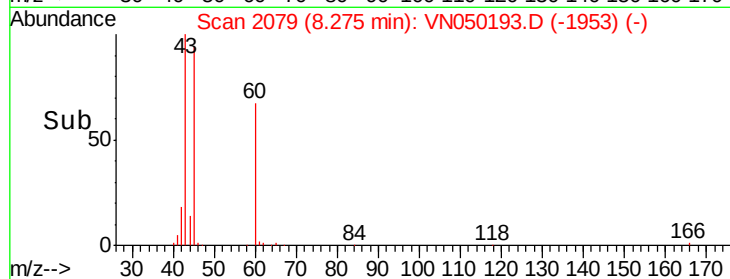
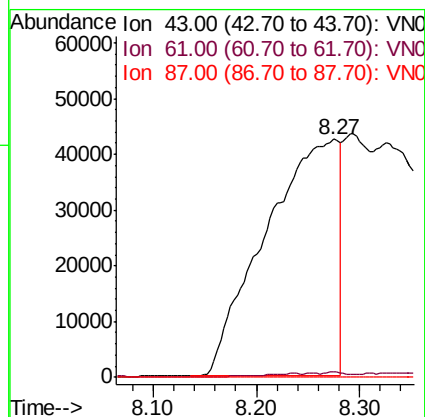
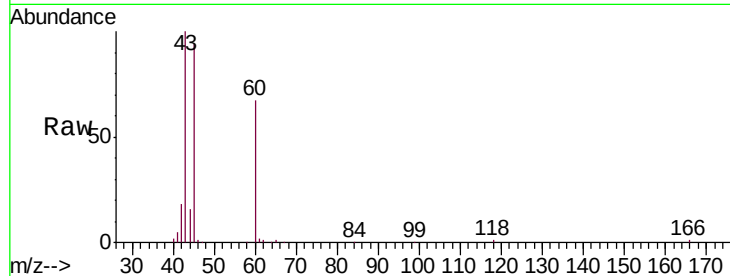
Tot Ion: 43 Resp: 209311

Ion Ratio Lower Upper

43 100

61 0.3 15.8 23.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 44.83 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050193.D

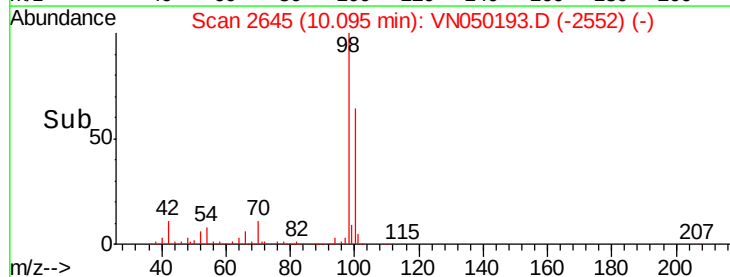
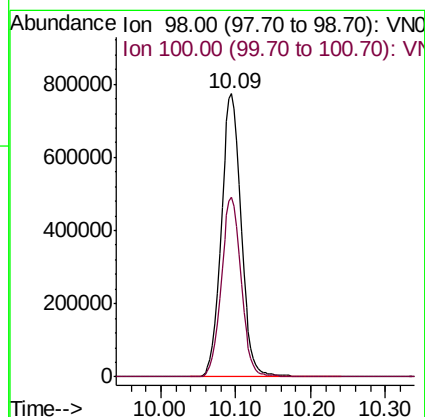
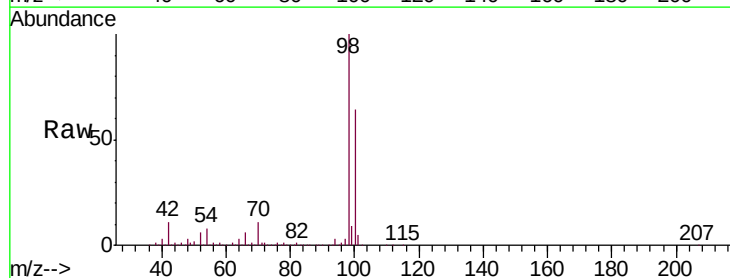
Acq: 30 Jul 2018 17:37

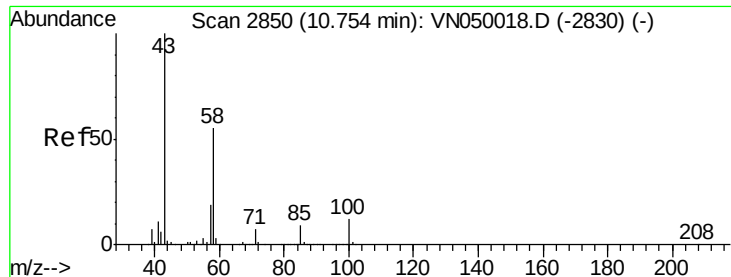
Tgt Ion: 98 Resp: 1425804

Ion Ratio Lower Upper

98 100

100 63.3 50.7 76.1

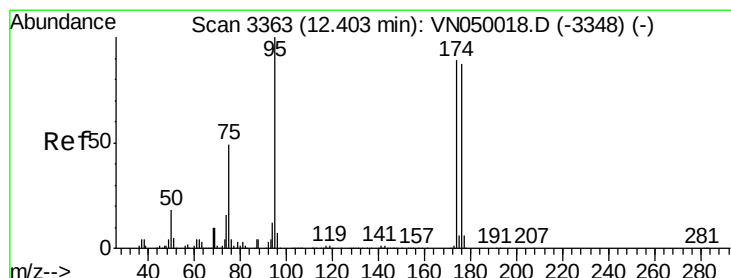
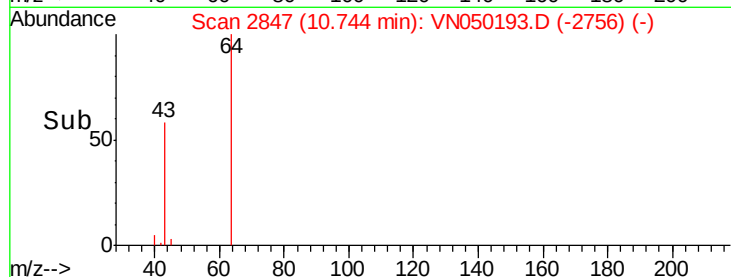
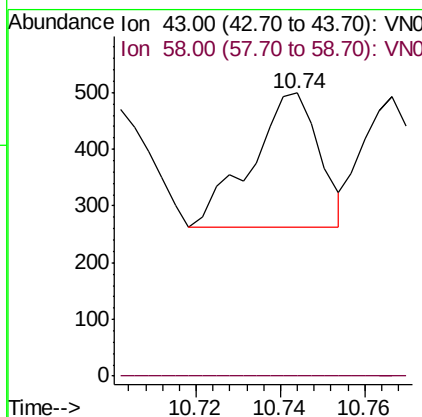
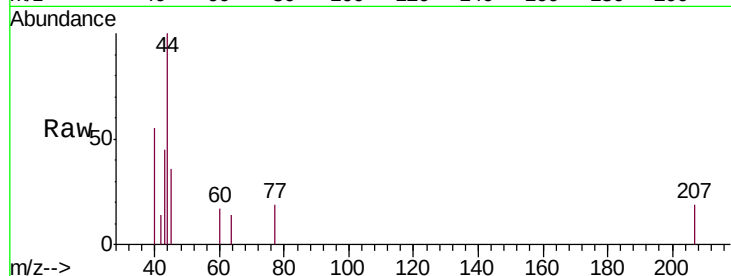




#59
2-Hexanone
Concen: 5.22 ug/l
RT: 10.74 min Scan# 2847
Delta R.T. -0.01 min
Lab File: VN050193.D
Acq: 30 Jul 2018 17:37

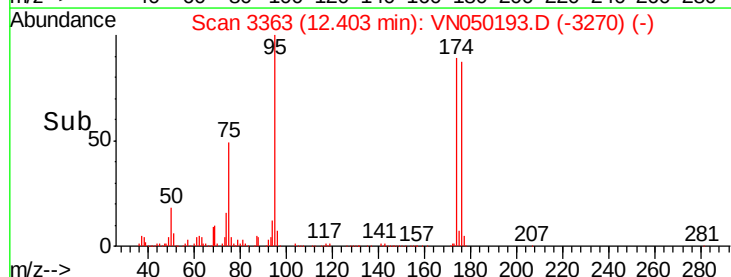
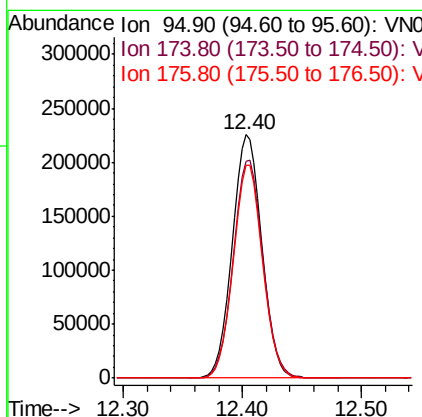
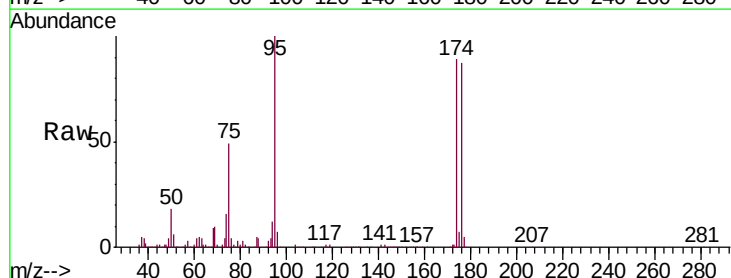
Instrument :
MSVOA_N
ClientSampled :
MW-A09

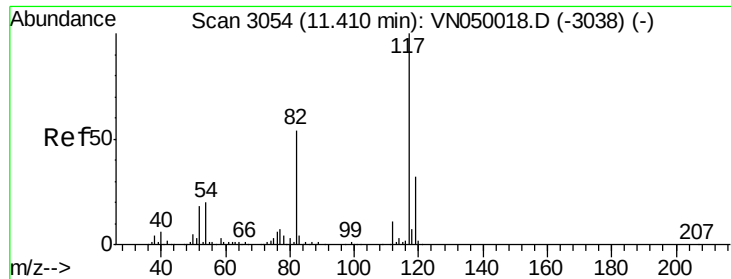
Tot Ion: 43 Resp: 264
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 36.99 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050193.D
Acq: 30 Jul 2018 17:37

Tgt Ion: 95 Resp: 387373
Ion Ratio Lower Upper
95 100
174 90.4 0.0 178.2
176 86.9 0.0 173.4

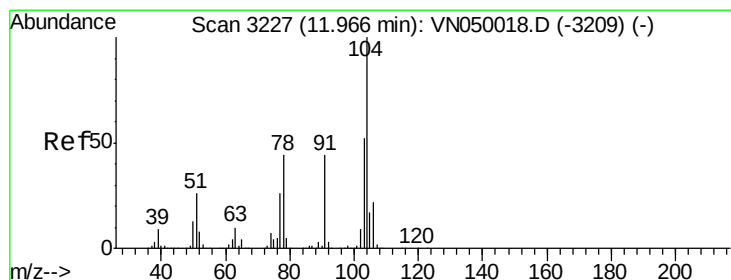
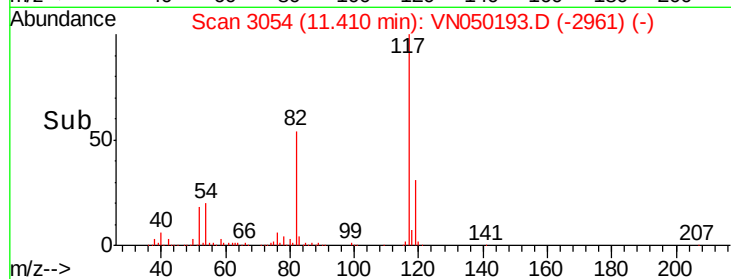
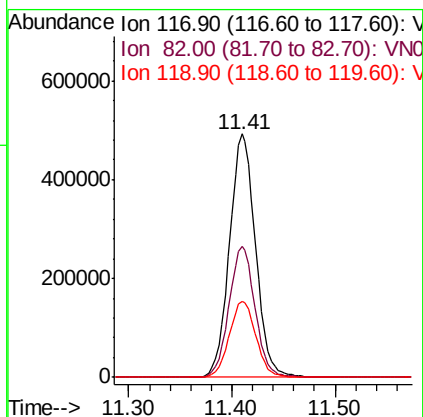
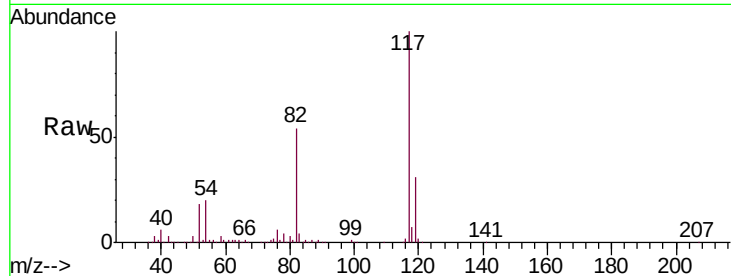




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050193.D
Acq: 30 Jul 2018 17:37

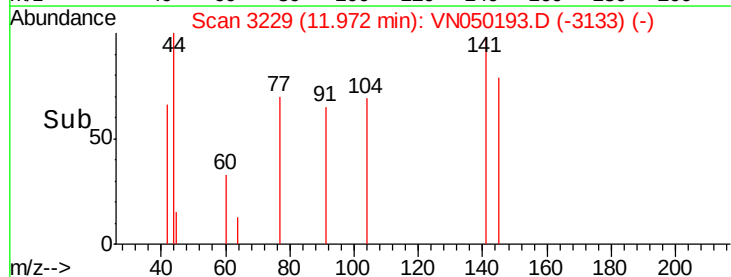
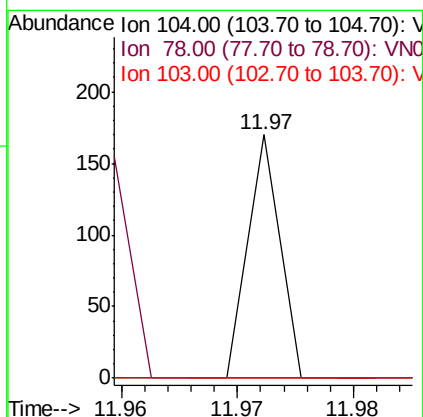
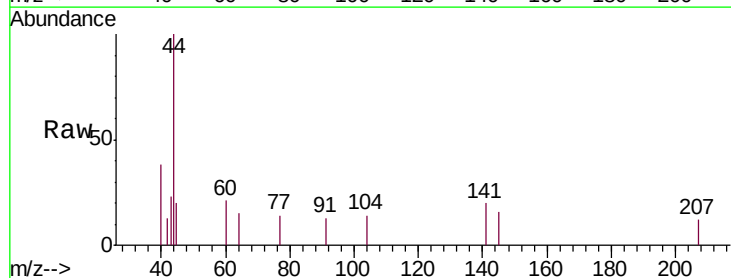
Instrument :
MSVOA_N
ClientSampled :
MW-A09

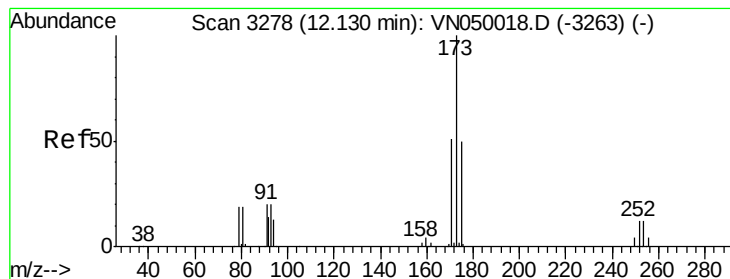
Tot Ion:117 Resp: 864664
Ion Ratio Lower Upper
117 100
82 53.8 43.7 65.5
119 31.3 26.1 39.1



#70
Styrene
Concen: 0.92 ug/l
RT: 11.97 min Scan# 3229
Delta R.T. 0.01 min
Lab File: VN050193.D
Acq: 30 Jul 2018 17:37

Tgt Ion:104 Resp: 33
Ion Ratio Lower Upper
104 100
78 415.2 39.3 58.9#
103 0.0 45.0 67.6#





#71

Bromoform

Concen: 0.55 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050193.D

Acq: 30 Jul 2018 17:37

Instrument :

MSVOA_N

ClientSampleId :

MW-A09

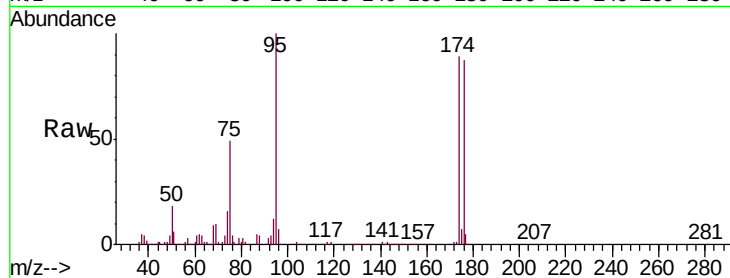
Tot Ion:173 Resp: 3376

Ion Ratio Lower Upper

173 100

175 653.3 24.1 72.2#

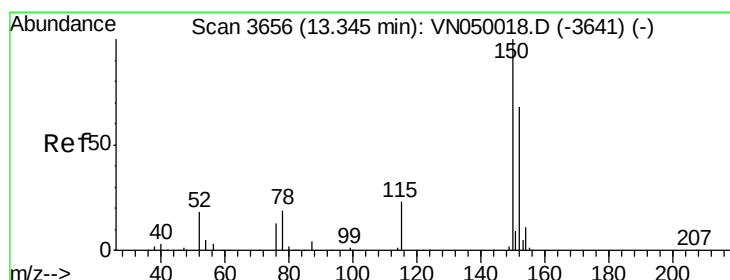
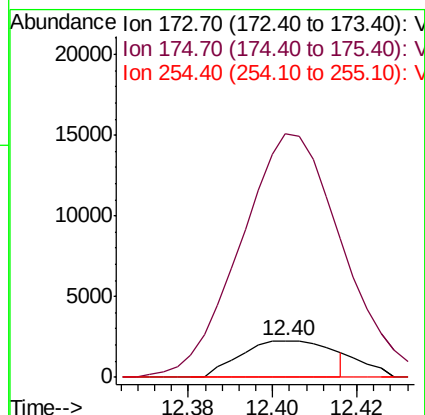
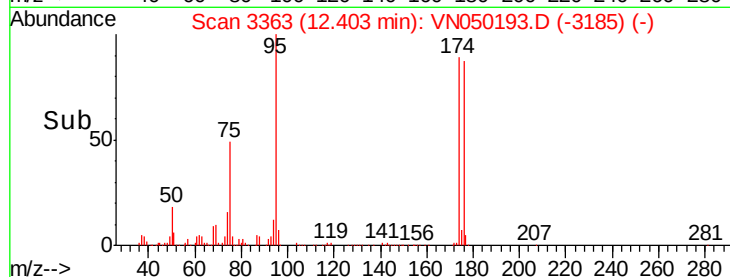
254 0.0 0.2 0.2#



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: VN050193.D

Acq: 30 Jul 2018 17:37

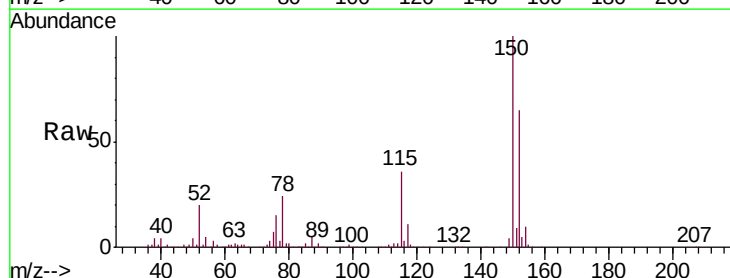
Tgt Ion:152 Resp: 296739

Ion Ratio Lower Upper

152 100

115 56.5 27.8 83.3

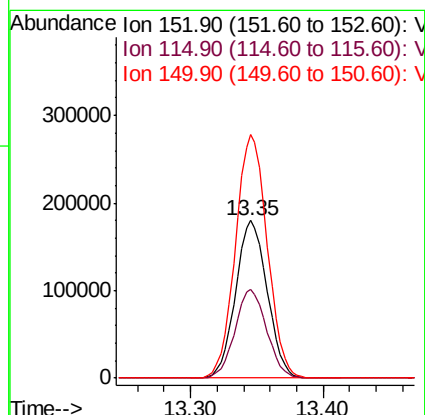
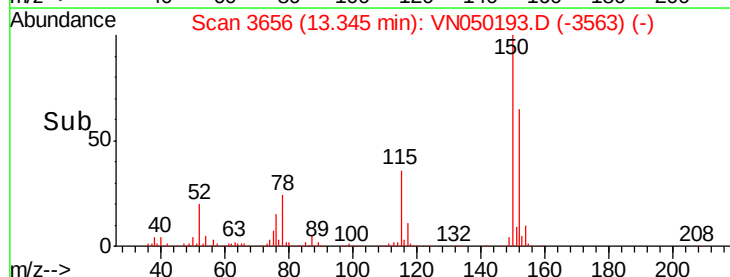
150 155.9 0.0 348.6

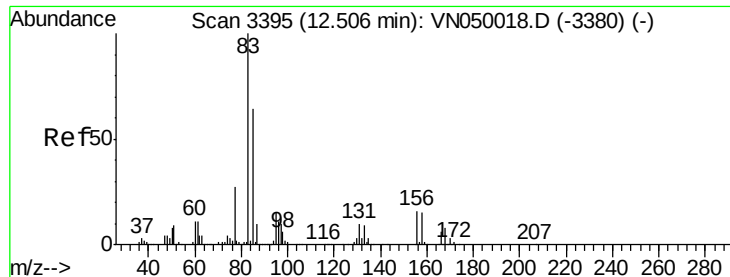


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.39 min Scan# 3360

Delta R.T. -0.11 min

Lab File: VN050193.D

Acq: 30 Jul 2018 17:37

Instrument :

MSVOA_N

ClientSampleId :

MW-A09

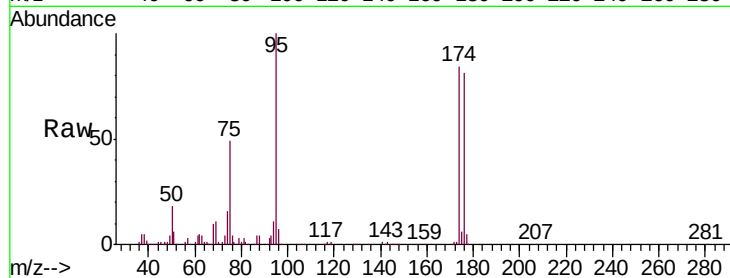
Tot Ion: 83 Resp: 279

Ion Ratio Lower Upper

83 100

131 268.5 5.1 15.3#

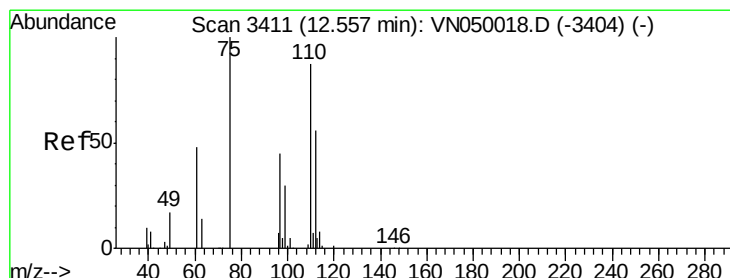
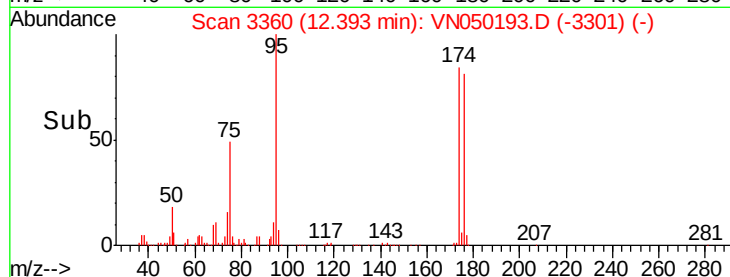
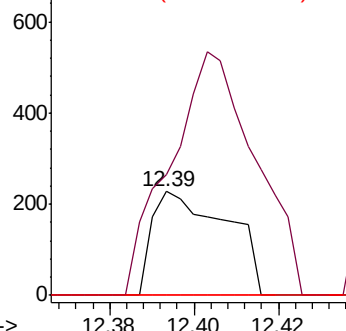
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 34.20 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050193.D

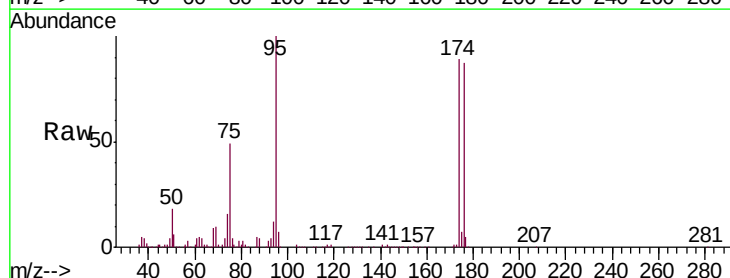
Acq: 30 Jul 2018 17:37

Tgt Ion: 75 Resp: 188620

Ion Ratio Lower Upper

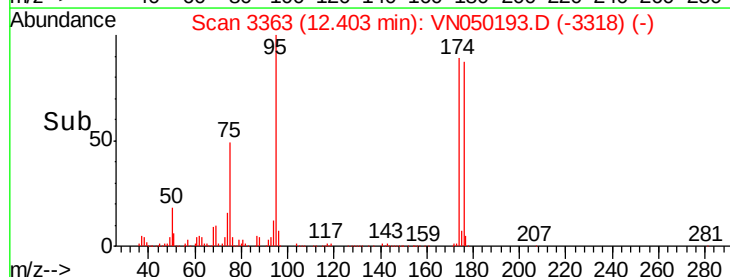
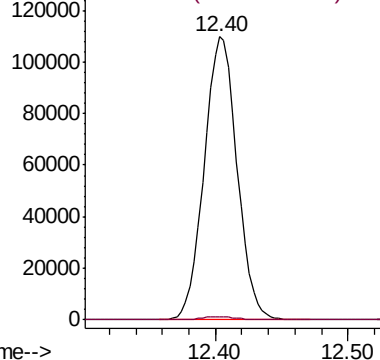
75 100

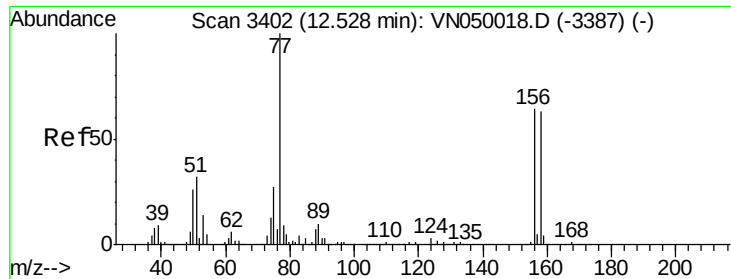
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.39 ug/l

RT: 12.54 min Scan# 3407

Delta R.T. 0.02 min

Lab File: VN050193.D

Acq: 30 Jul 2018 17:37

Instrument :

MSVOA_N

ClientSampleId :

MW-A09

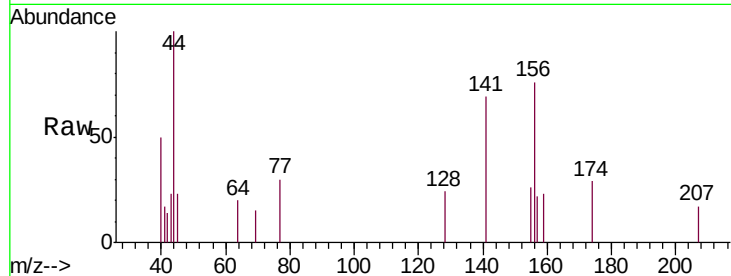
Tot Ion:156 Resp: 2464

Ion Ratio Lower Upper

156 100

77 21.9 91.7 275.1#

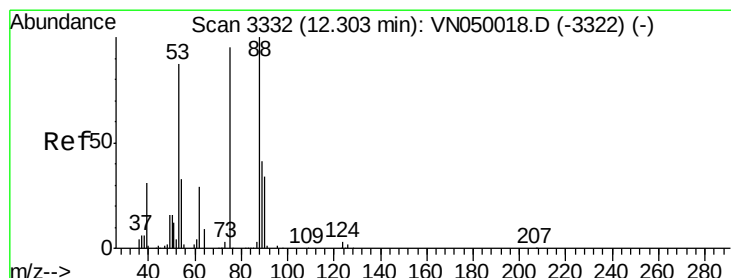
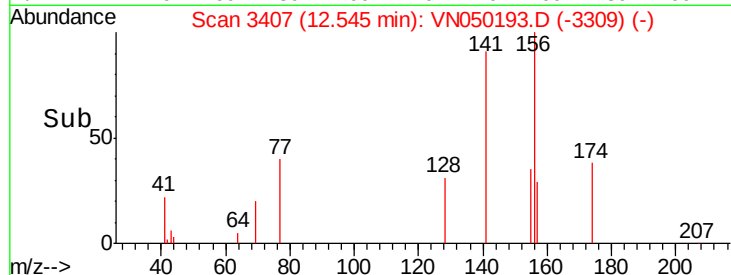
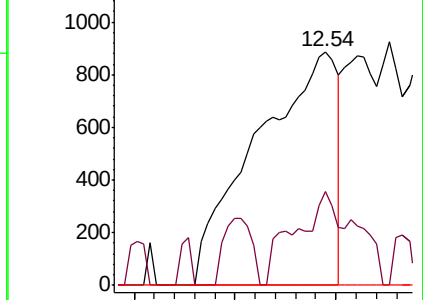
158 0.0 48.9 146.6#



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



#81

trans-1,4-Dichloro-2-butene

Concen: 108.49 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050193.D

Acq: 30 Jul 2018 17:37

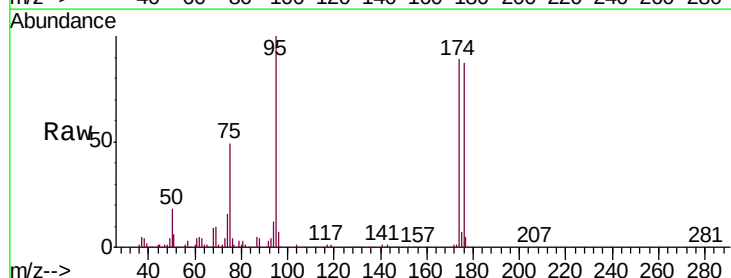
Tgt Ion: 75 Resp: 188620

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

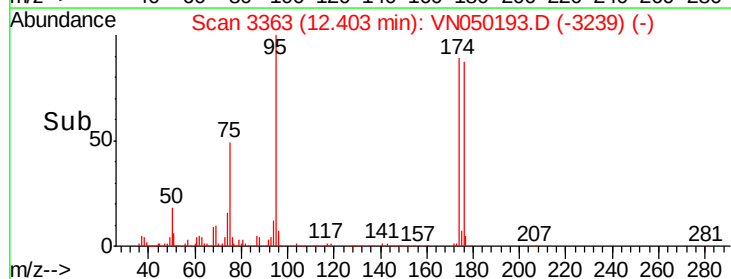
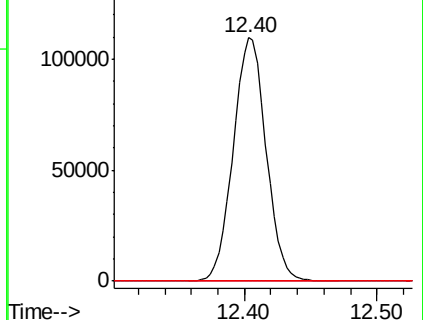
89 0.0 36.0 54.0#

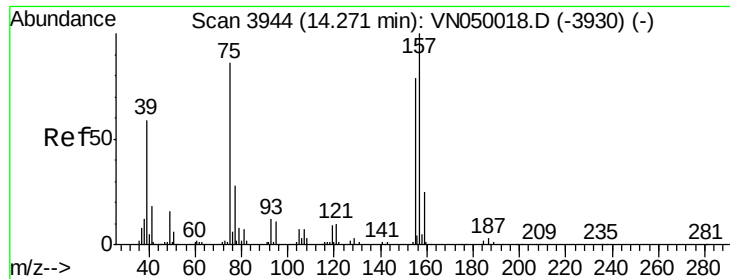


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.48 min Scan# 4010

Delta R.T. 0.21 min

Lab File: VN050193.D

Acq: 30 Jul 2018 17:37

Instrument :

MSVOA_N

ClientSampleId :

MW-A09

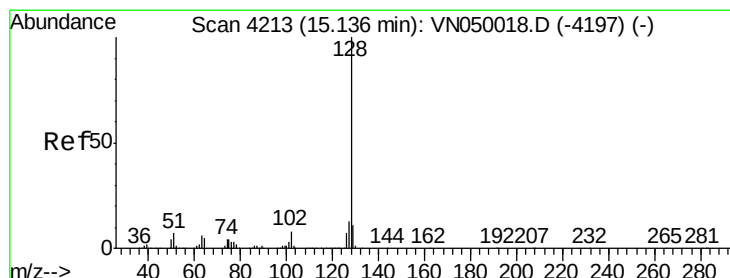
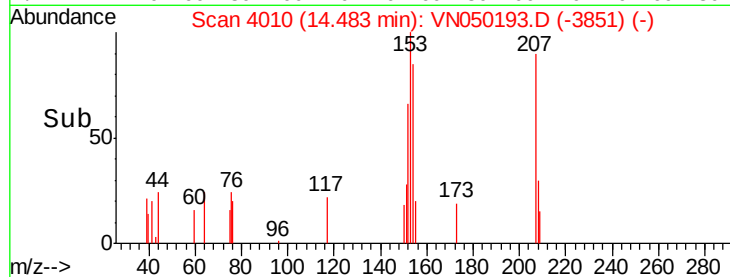
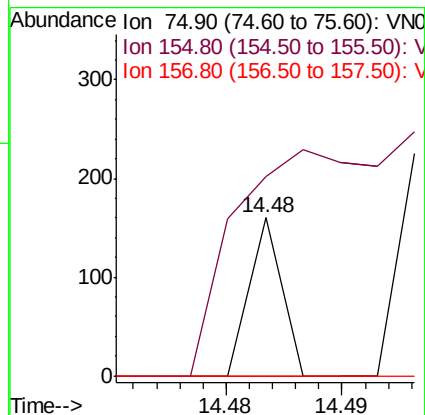
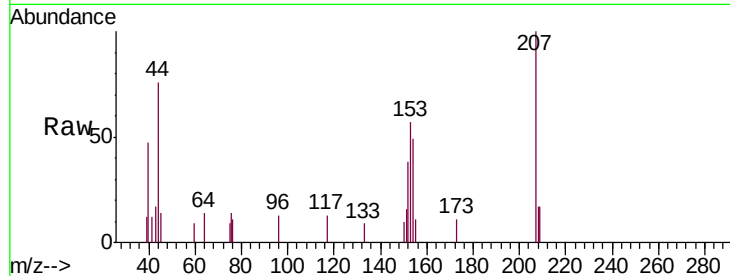
Tot Ion: 75 Resp: 31

Ion Ratio Lower Upper

75 100

155 1167.7 44.8 134.4#

157 0.0 57.2 171.6#



#95

Naphthalene

Concen: 5.21 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050193.D

Acq: 30 Jul 2018 17:37

Tgt Ion: 128 Resp: 11861

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

129 13.8 8.8 13.2#

