

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050088.D
 Acq On : 26 Jul 2018 17:41
 Operator : MD\SY
 Sample : J4142-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Jul 27 01:21:50 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	699403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1141400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	952965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368065	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	490712	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
35) Dibromofluoromethane	7.60	113	427826	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	
50) Toluene-d8	10.09	98	1529886	44.65	ug/l	0.00
Spiked Amount			Recovery	=	89.30%	
62) 4-Bromofluorobenzene	12.41	95	449057	39.81	ug/l	0.00
Spiked Amount			Recovery	=	79.62%	

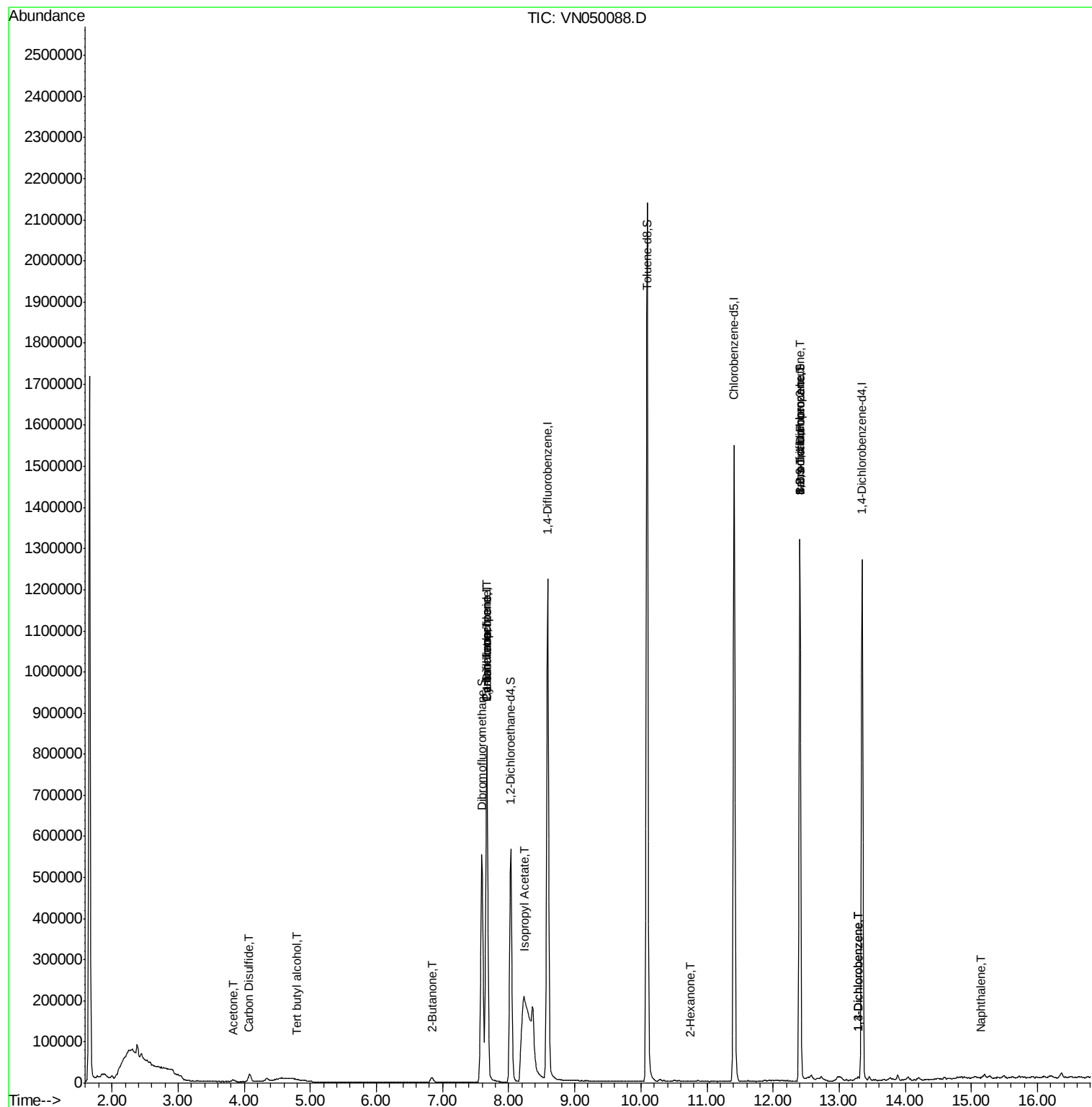
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	285	Below Cal	#	9
11) Tert butyl alcohol	4.80	59	221	0.31	ug/l #	72
16) Acetone	3.83	43	10569	0.26	ug/l	97
17) Carbon Disulfide	4.05	76	7526	0.30	ug/l	97
18) Methyl Acetate	4.34	43	12537	Below Cal		93
20) Methylene Chloride	4.56	84	1084	Below Cal		94
25) 2-Butanone	6.84	43	746	0.20	ug/l #	44
31) Cyclohexane	7.67	56	12434	0.86	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	47192	3.67	ug/l #	43
38) Carbon Tetrachloride	7.67	117	63552	4.66	ug/l #	16
43) Isopropyl Acetate	8.23	43	348969	19.97	ug/l #	63
59) 2-Hexanone	10.74	43	80	5.19	ug/l #	24
71) Bromoform	12.40	173	3430	0.51	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	63	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.41	75	220338	32.21	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	220338	102.17	ug/l #	13
87) 1,3-Dichlorobenzene	13.29	146	2982	0.22	ug/l	88
88) 1,4-Dichlorobenzene	13.29	146	2982	0.23	ug/l	88
92) 1,2-Dibromo-3-Chloropropan	14.21	75	63	Below Cal	#	1
95) Naphthalene	15.14	128	1282	4.48	ug/l #	81

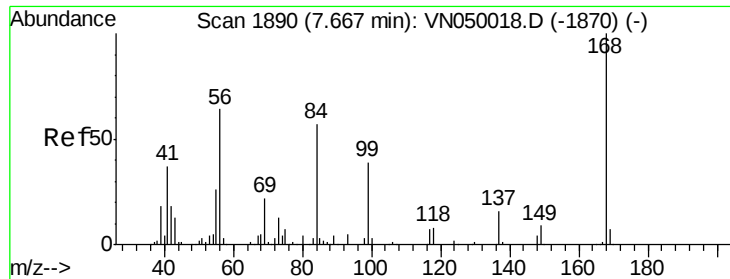
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072618\
Data File : VN050088.D
Acq On : 26 Jul 2018 17:41
Operator : MD\SY
Sample : J4142-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Time: Jul 27 01:21:50 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: VN050088.D

Acq: 26 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampled :

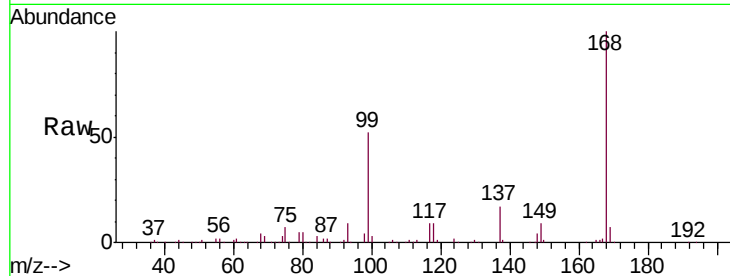
MW-1

Tot Ion:168 Resp: 699403

Ion Ratio Lower Upper

168 100

99 52.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

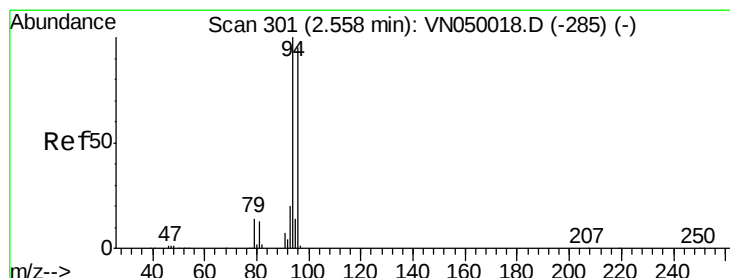
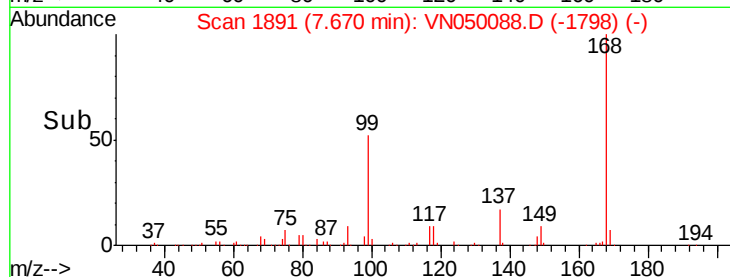
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 297

Delta R.T. -0.01 min

Lab File: VN050088.D

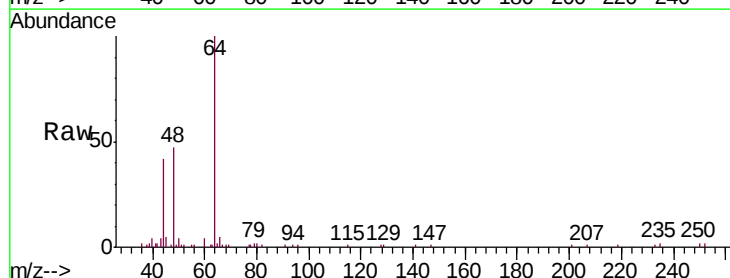
Acq: 26 Jul 2018 17:41

Tgt Ion: 94 Resp: 285

Ion Ratio Lower Upper

94 100

96 6.1 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

400

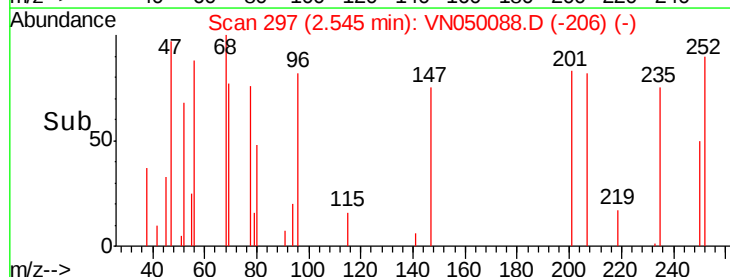
300

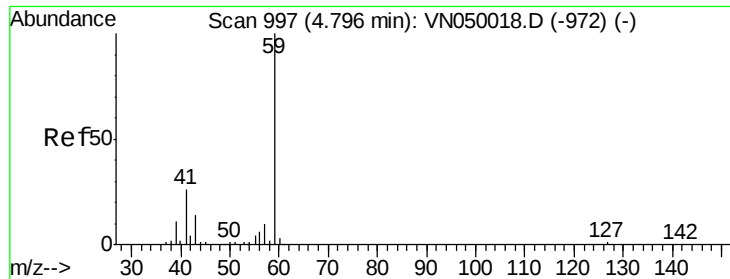
200

100

0

Time-->

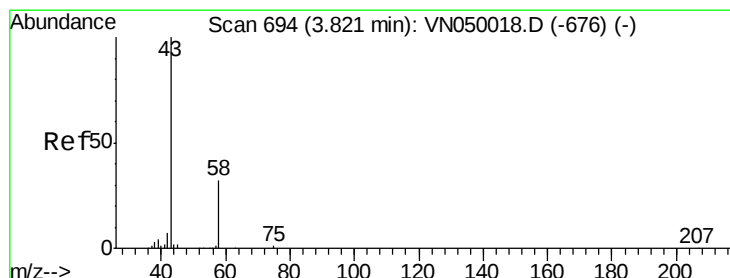
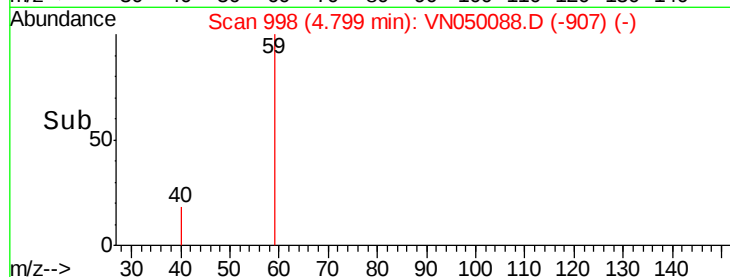
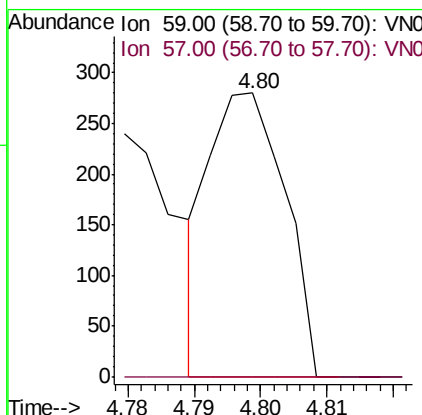
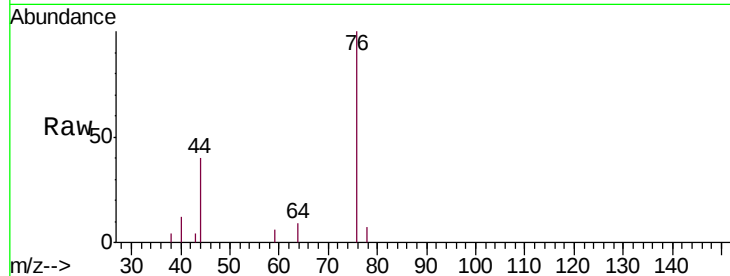




#11
Tert butyl alcohol
Concen: 0.31 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN050088.D
Acq: 26 Jul 2018 17:41

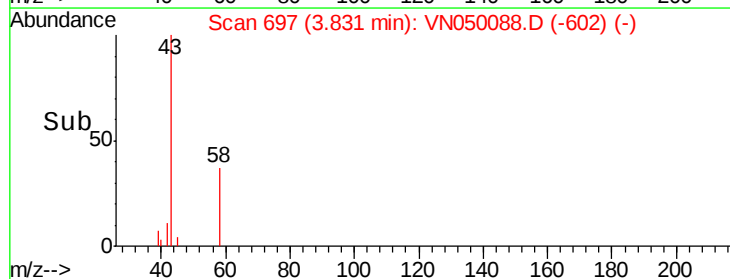
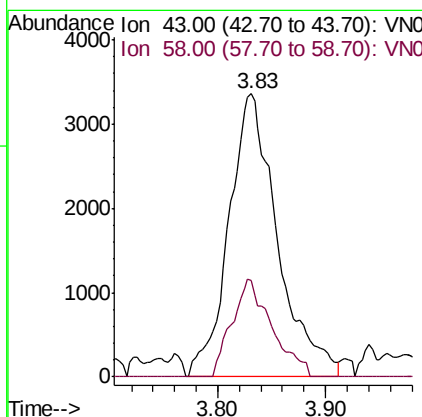
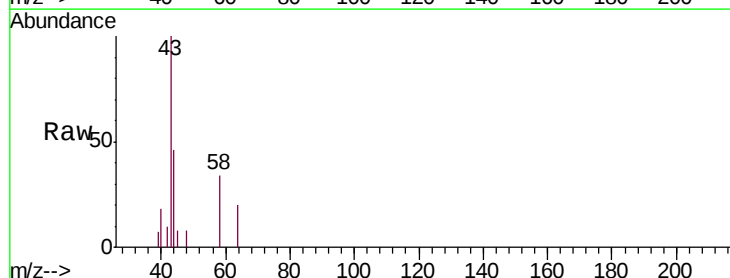
Instrument :
MSVOA_N
ClientSampled :
MW-1

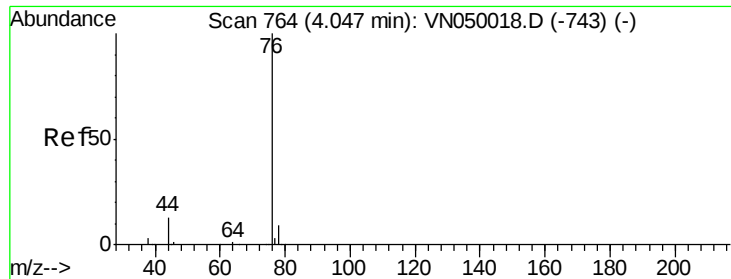
Tot Ion: 59 Resp: 221
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 0.26 ug/l
RT: 3.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VN050088.D
Acq: 26 Jul 2018 17:41

Tgt Ion: 43 Resp: 10569
Ion Ratio Lower Upper
43 100
58 34.0 25.8 38.8

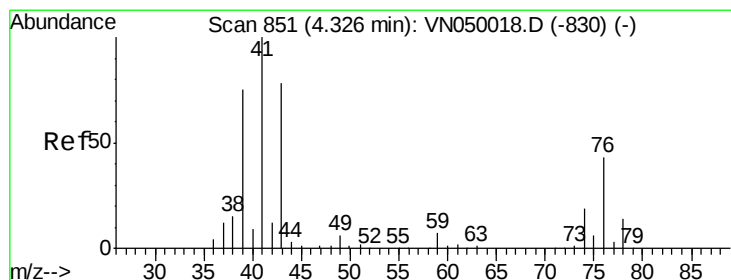
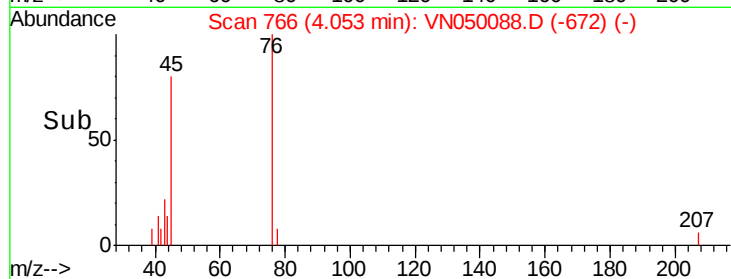
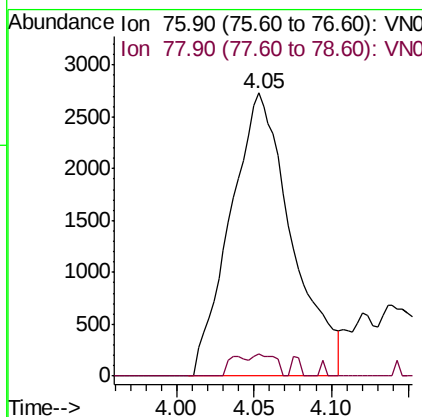
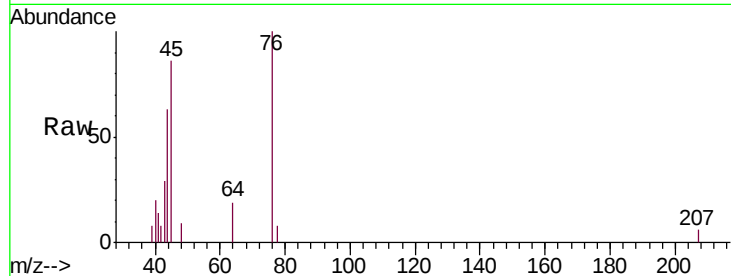




#17
Carbon Disulfide
Concen: 0.30 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050088.D
Acq: 26 Jul 2018 17:41

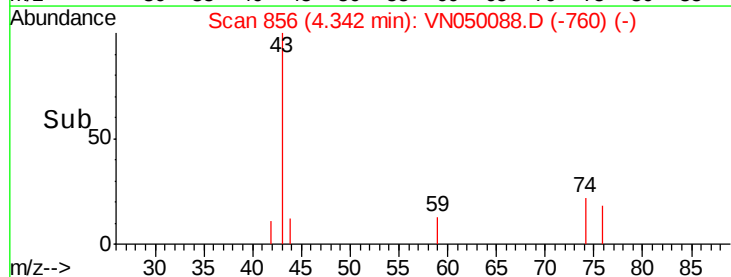
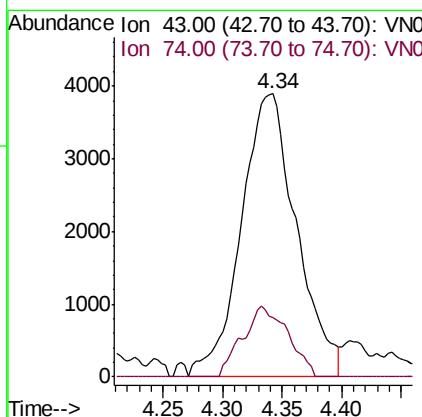
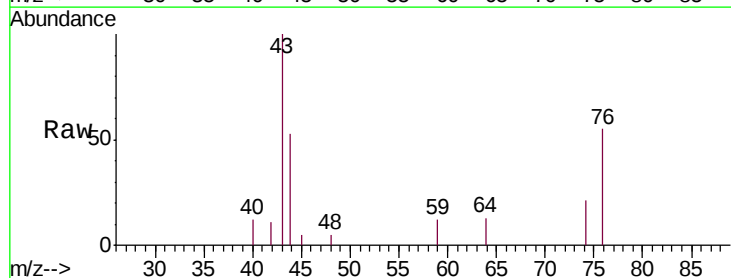
Instrument :
MSVOA_N
ClientSampled :
MW-1

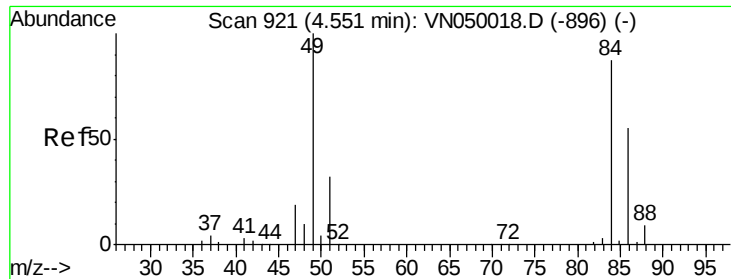
Tot Ion: 76 Resp: 7526
Ion Ratio Lower Upper
76 100
78 8.0 7.3 10.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN050088.D
Acq: 26 Jul 2018 17:41

Tgt Ion: 43 Resp: 12537
Ion Ratio Lower Upper
43 100
74 20.5 19.2 28.8

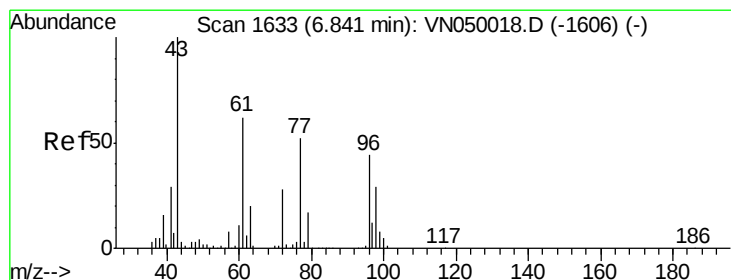
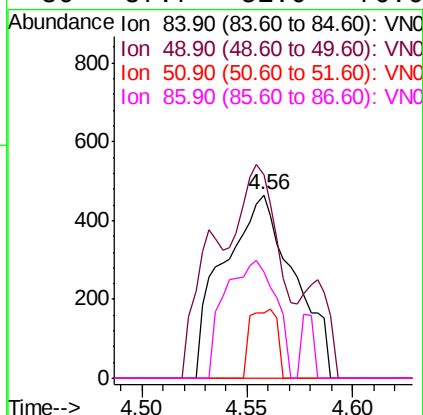
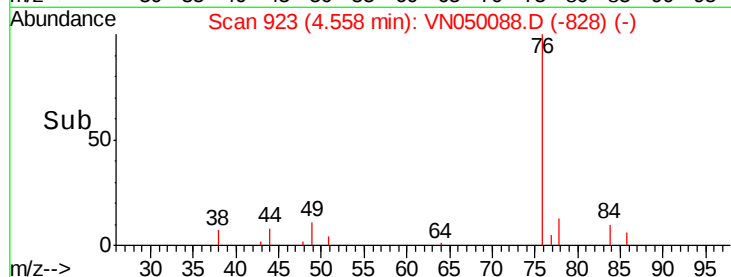
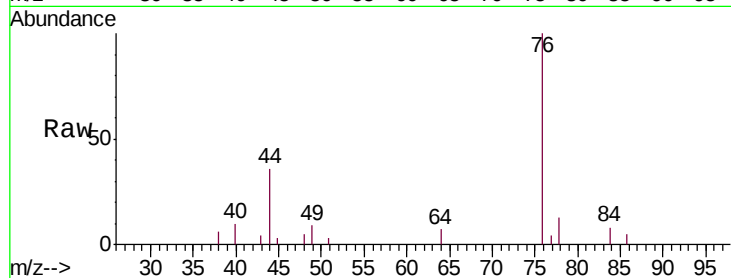




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050088.D
Acq: 26 Jul 2018 17:41

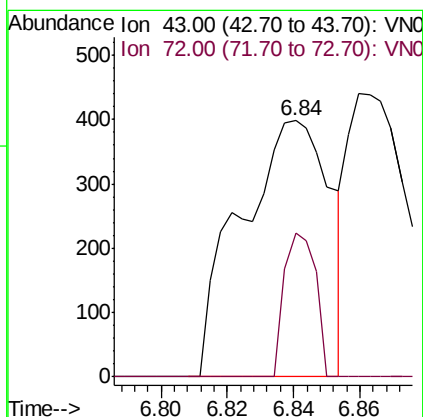
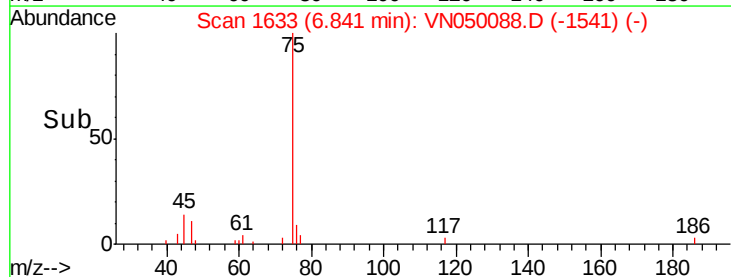
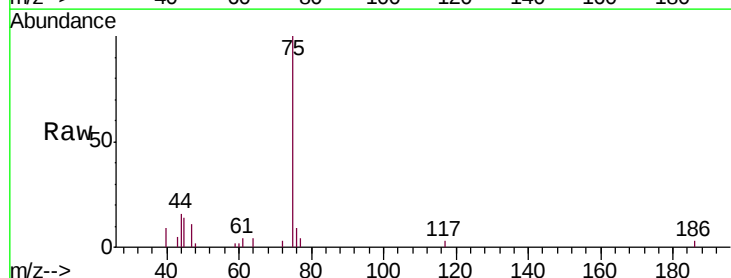
Instrument :
MSVOA_N
ClientSampled :
MW-1

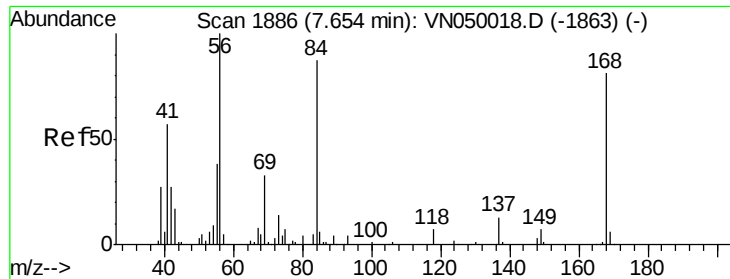
Tot Ion: 84 Resp: 1084
Ion Ratio Lower Upper
84 100
49 111.2 94.8 142.2
51 35.6 28.3 42.5
86 57.7 51.0 76.6



#25
2-Butanone
Concen: 0.20 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN050088.D
Acq: 26 Jul 2018 17:41

Tgt Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
72 56.0 21.5 32.3#

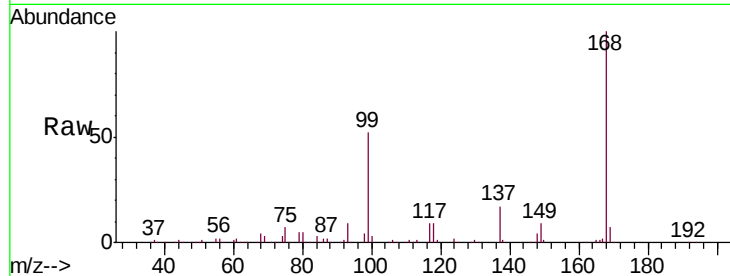




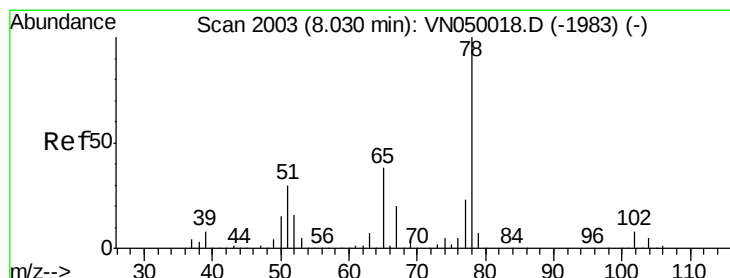
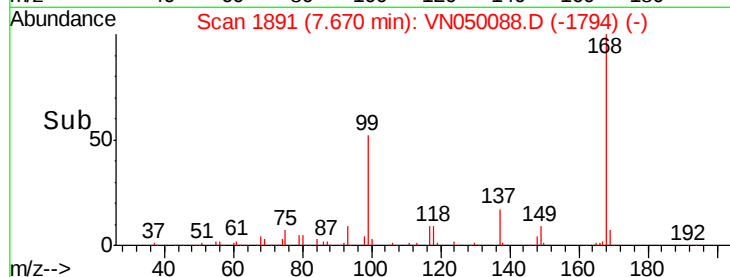
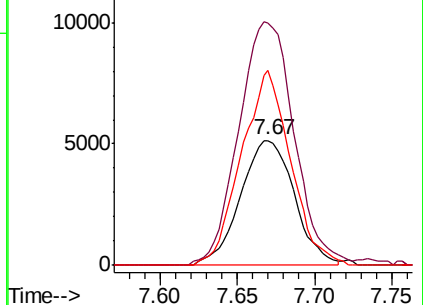
#31
Cyclohexane
Concen: 0.86 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050088.D
Acq: 26 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion: 56 Resp: 12434
Ion Ratio Lower Upper
56 100
69 194.4 26.2 39.4#
84 156.2 67.4 101.0#

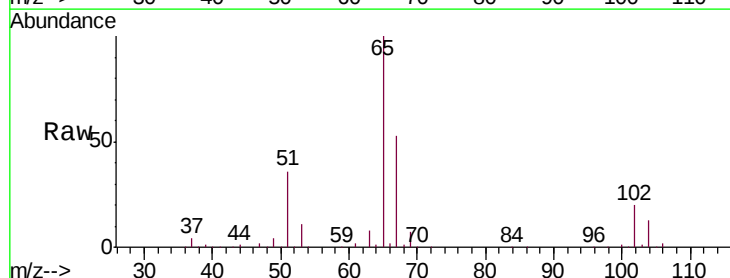


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

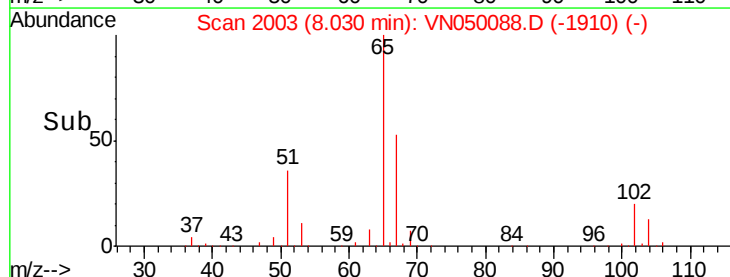
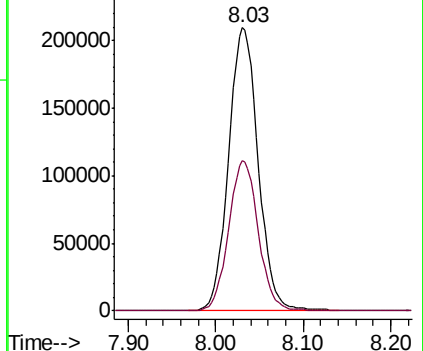


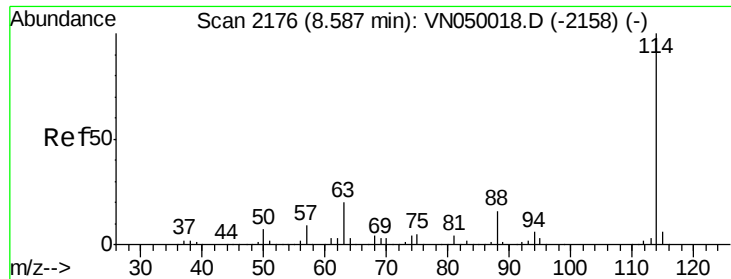
#33
1,2-Dichloroethane-d4
Concen: 50.29 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. -0.00 min
Lab File: VN050088.D
Acq: 26 Jul 2018 17:41

Tgt Ion: 65 Resp: 490712
Ion Ratio Lower Upper
65 100
67 53.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

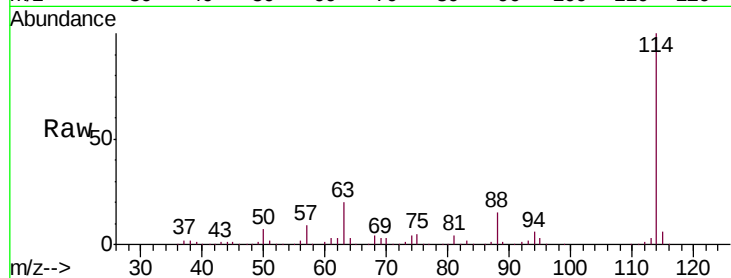




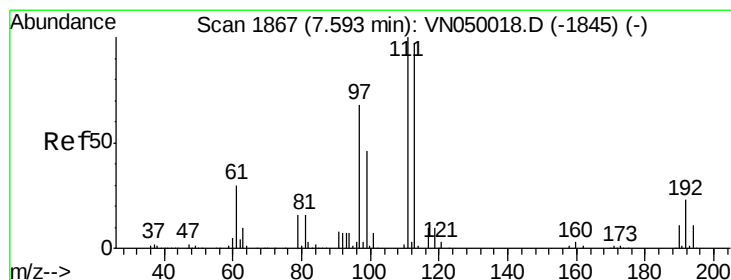
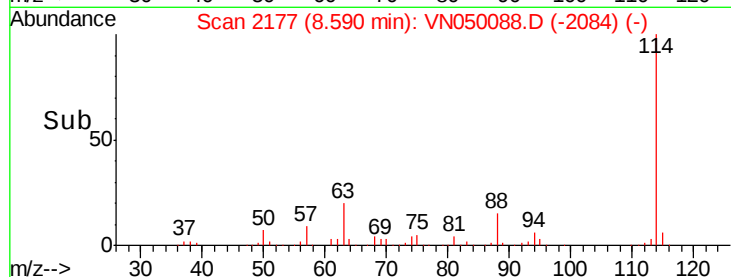
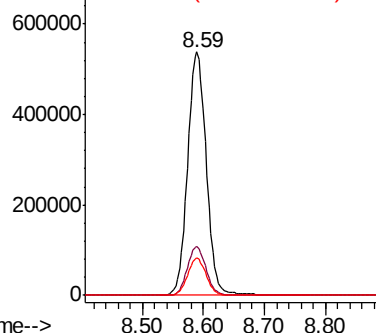
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2177
Delta R.T. -0.00 min
Lab File: VN050088.D
Acq: 26 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tot Ion:114 Resp: 1141400
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.0
88 15.3 0.0 31.2

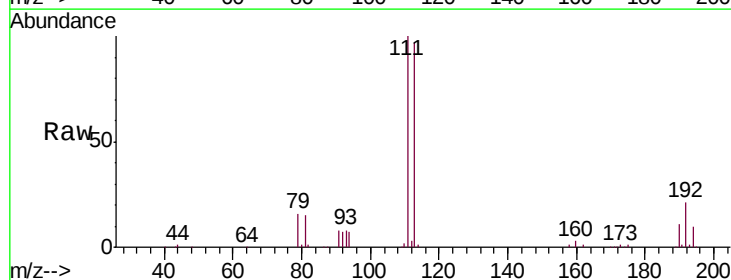


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

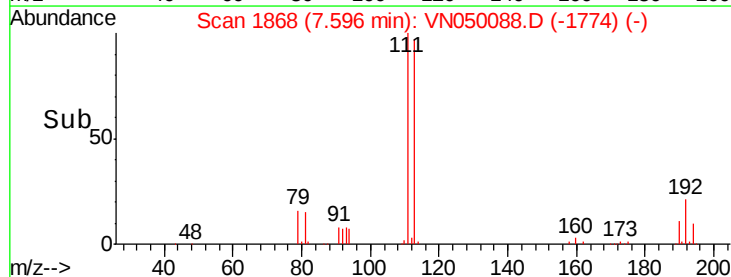
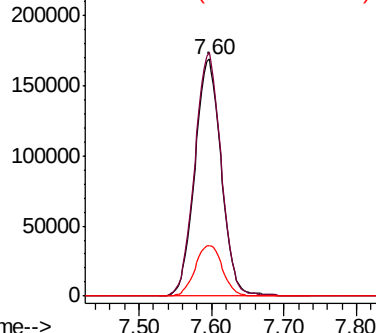


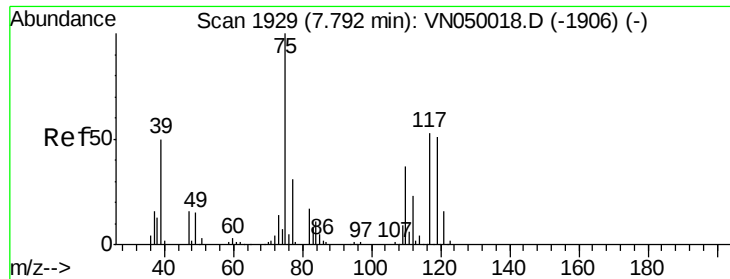
#35
Dibromofluoromethane
Concen: 45.91 ug/l
RT: 7.60 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN050088.D
Acq: 26 Jul 2018 17:41

Tgt Ion:113 Resp: 427826
Ion Ratio Lower Upper
113 100
111 103.1 80.7 121.1
192 22.1 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.67 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050088.D

Acq: 26 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampled :

MW-1

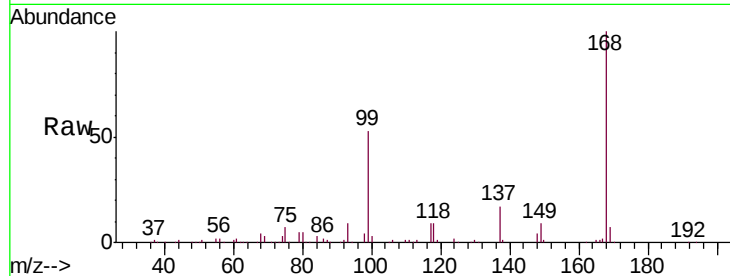
Tot Ion: 75 Resp: 47192

Ion Ratio Lower Upper

75 100

110 2.9 18.4 55.2#

77 0.0 25.3 37.9#

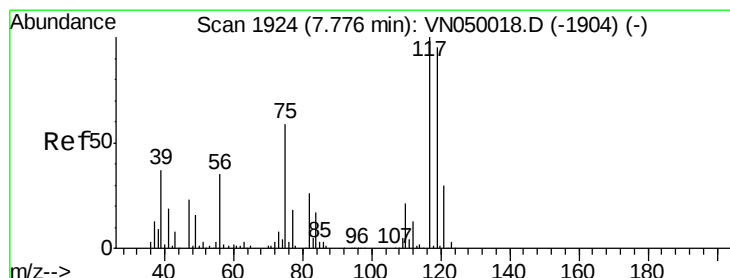
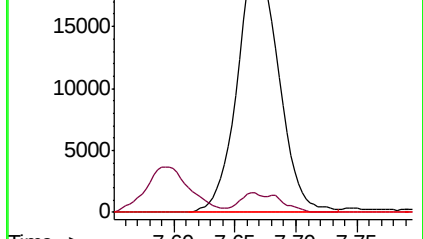
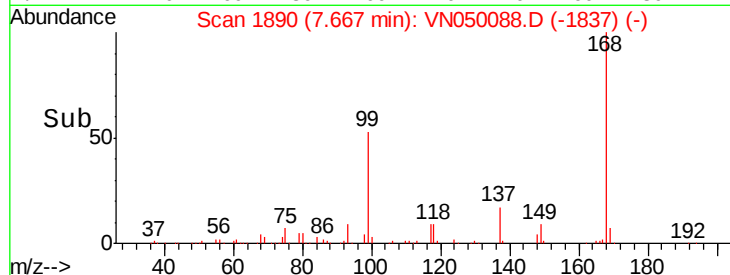


Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-1906) (-)

Ion 109.90 (109.60 to 110.60): VN050018.D (-1906) (-)

Ion 76.90 (76.60 to 77.60): VN050018.D (-1906) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.66 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050088.D

Acq: 26 Jul 2018 17:41

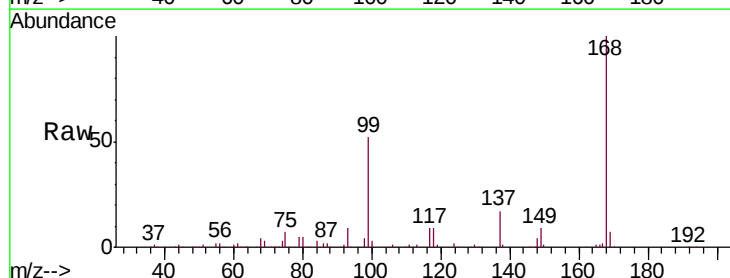
Tgt Ion: 117 Resp: 63552

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

121 0.0 23.9 35.9#

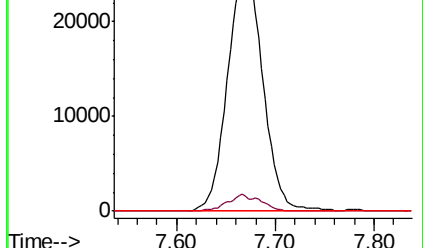
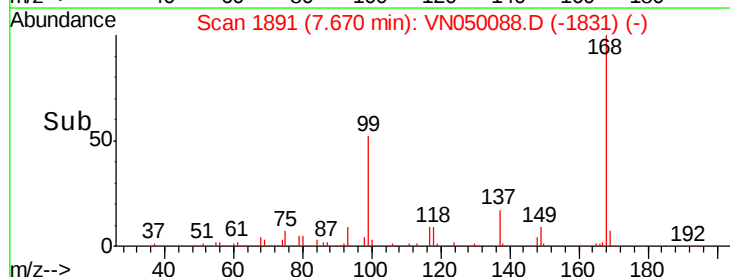


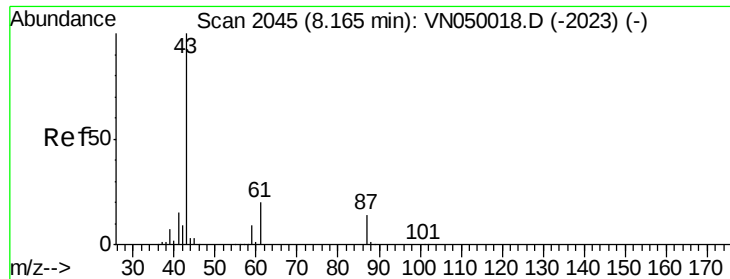
Abundance Ion 116.80 (116.50 to 117.50): VN050018.D (-1904) (-)

Ion 118.80 (118.50 to 119.50): VN050018.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN050018.D (-1904) (-)

Time-->



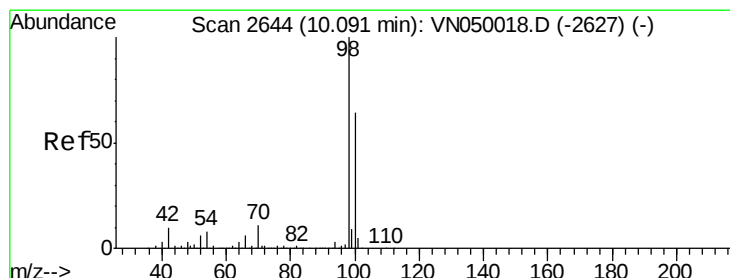
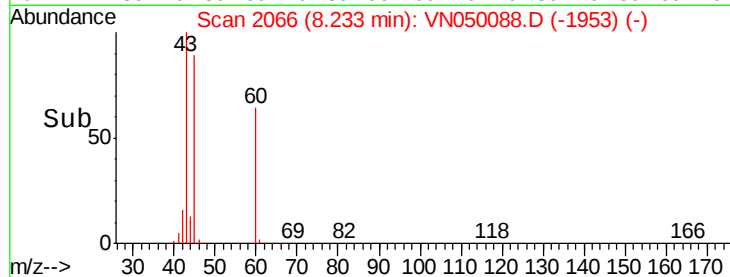
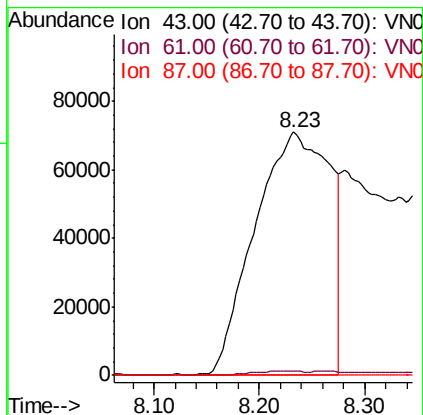
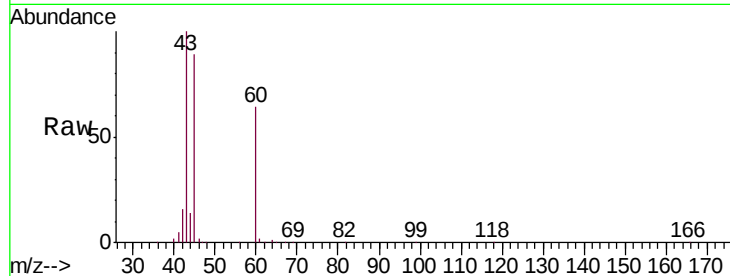


#43

Isopropyl Acetate
 Concen: 19.97 ug/l
 RT: 8.23 min Scan# 2066
 Delta R.T. 0.06 min
 Lab File: VN050088.D
 Acq: 26 Jul 2018 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

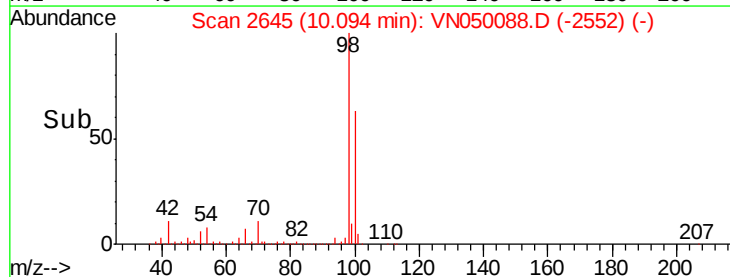
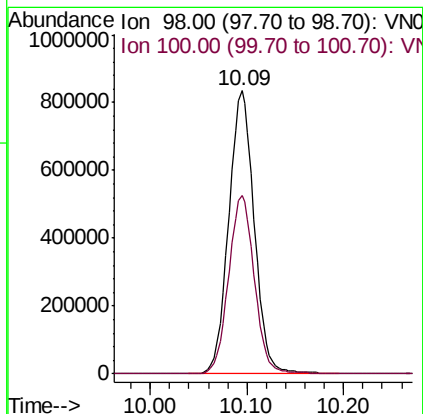
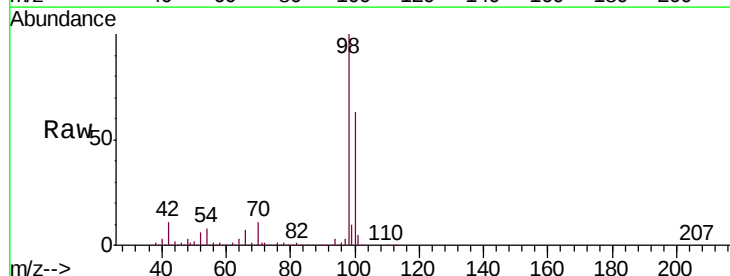
Tot Ion: 43 Resp: 348969
 Ion Ratio Lower Upper
 43 100
 61 1.1 15.8 23.6#
 87 0.0 10.3 15.5#

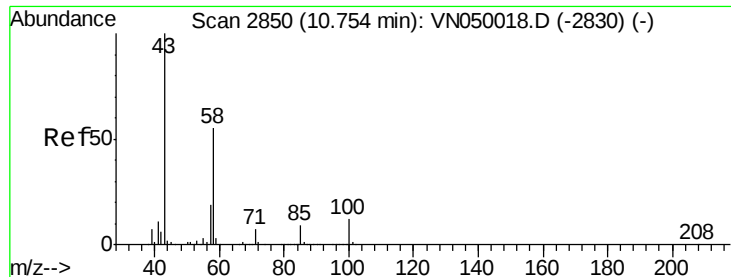


#50

Toluene-d8
 Concen: 44.65 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN050088.D
 Acq: 26 Jul 2018 17:41

Tgt Ion: 98 Resp: 1529886
 Ion Ratio Lower Upper
 98 100
 100 63.7 50.7 76.1

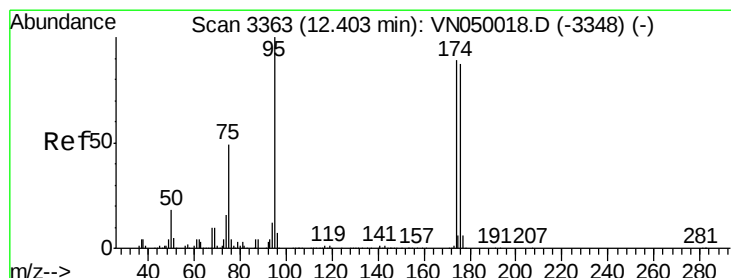
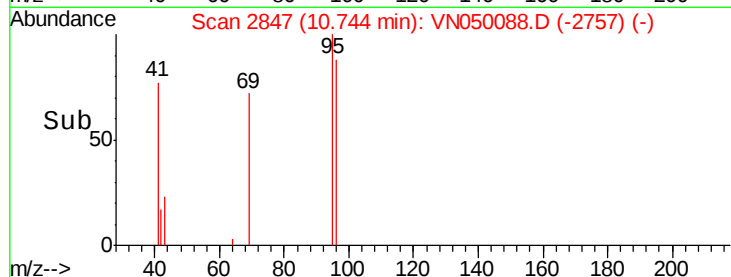
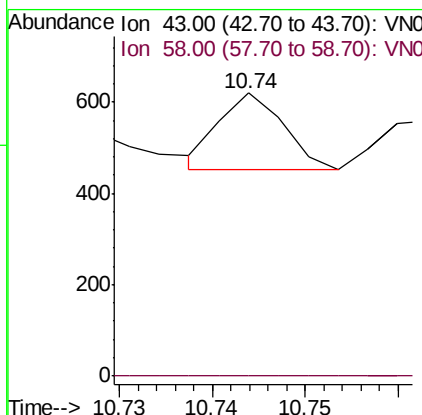
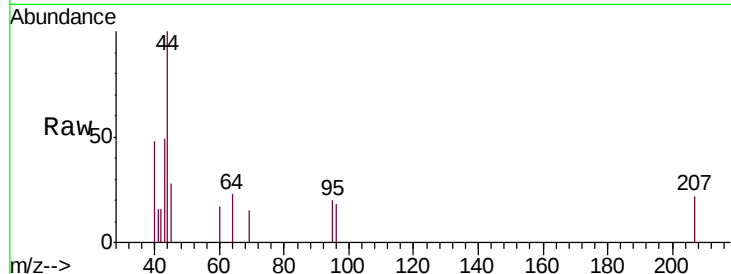




#59
2-Hexanone
Concen: 5.19 ug/l
RT: 10.74 min Scan# 2847
Delta R.T. -0.01 min
Lab File: VN050088.D
Acq: 26 Jul 2018 17:41

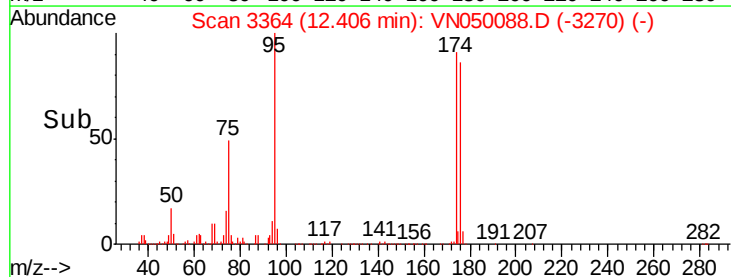
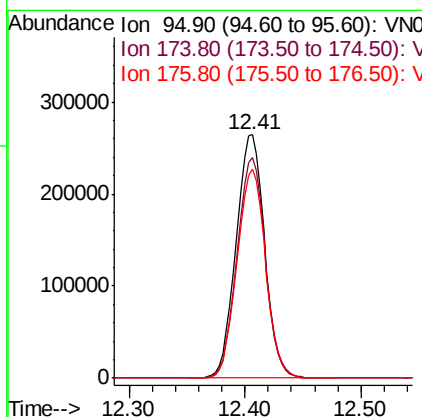
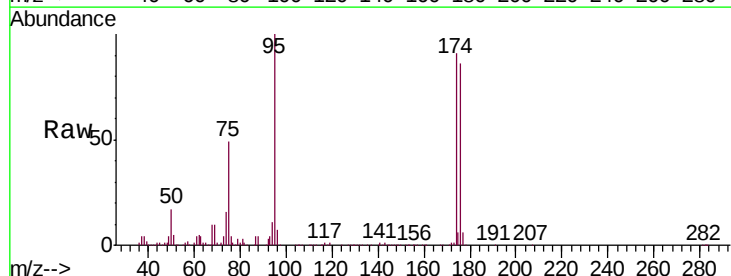
Instrument :
MSVOA_N
ClientSampleId :
MW-1

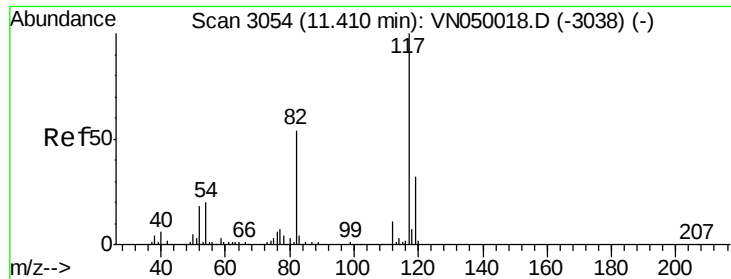
Tot Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 39.81 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN050088.D
Acq: 26 Jul 2018 17:41

Tgt Ion: 95 Resp: 449057
Ion Ratio Lower Upper
95 100
174 90.7 0.0 178.2
176 86.0 0.0 173.4

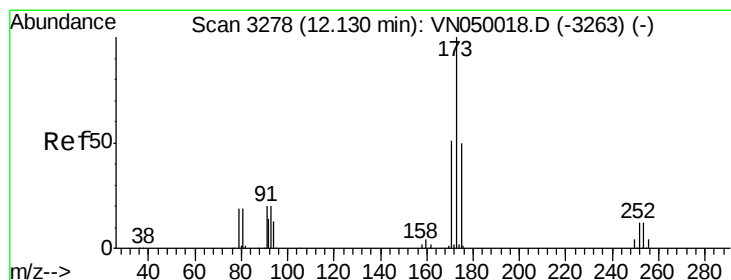
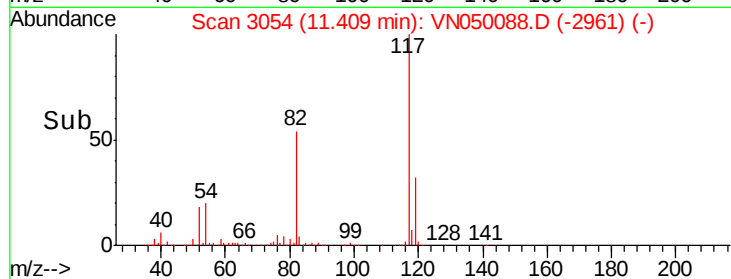
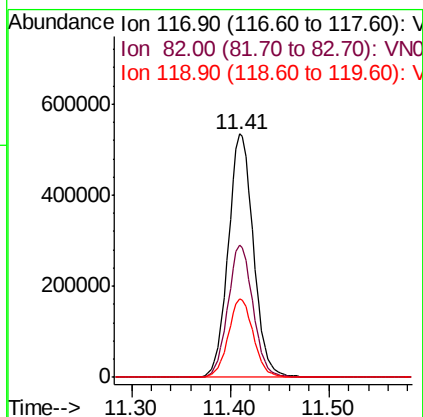
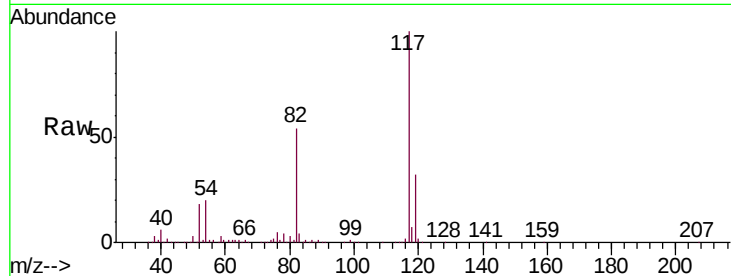




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050088.D
Acq: 26 Jul 2018 17:41

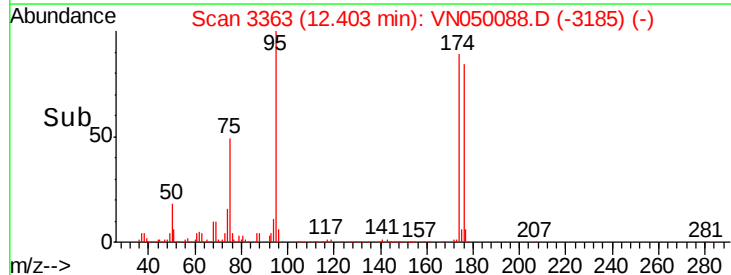
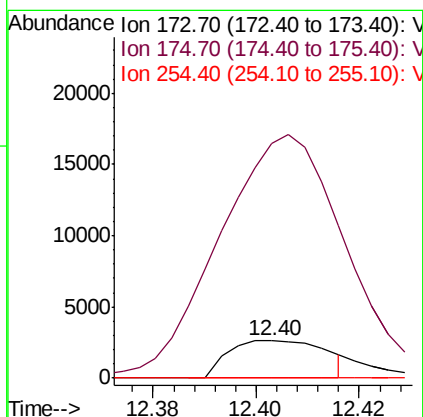
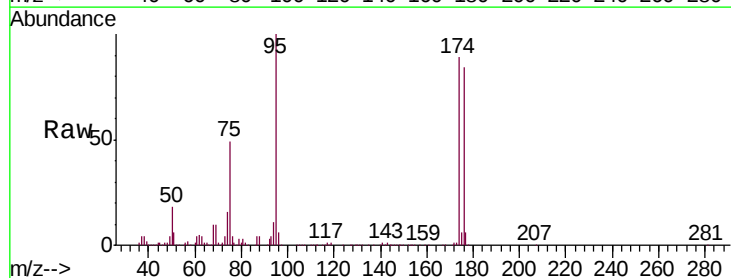
Instrument :
MSVOA_N
ClientSampleId :
MW-1

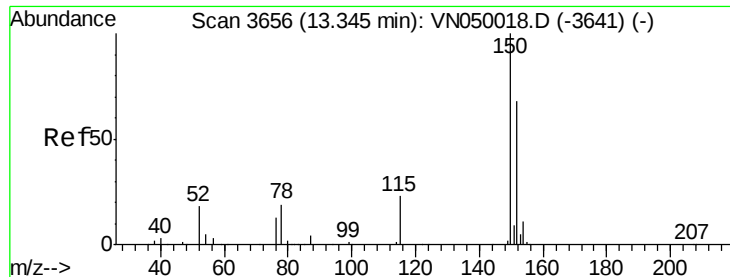
Tot Ion:117 Resp: 952965
Ion Ratio Lower Upper
117 100
82 54.3 43.7 65.5
119 32.0 26.1 39.1



#71
Bromoform
Concen: 0.51 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.27 min
Lab File: VN050088.D
Acq: 26 Jul 2018 17:41

Tgt Ion:173 Resp: 3430
Ion Ratio Lower Upper
173 100
175 733.6 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN050088.D

Acq: 26 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampled :

MW-1

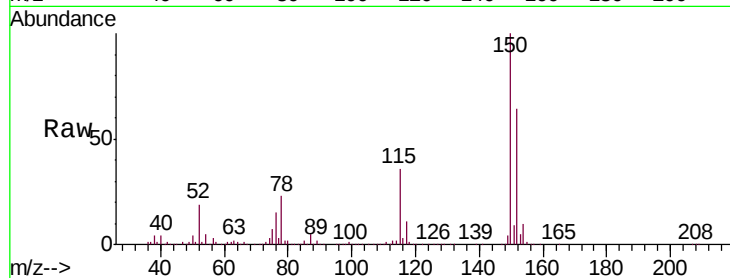
Tot Ion:152 Resp: 368065

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.3

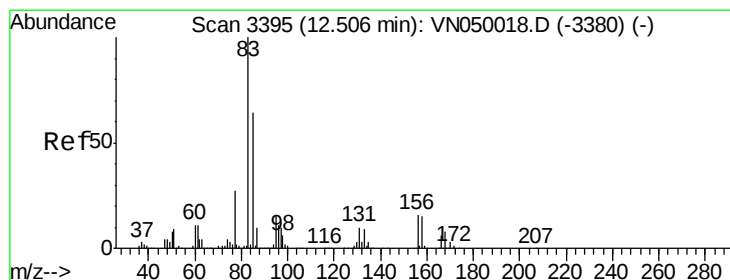
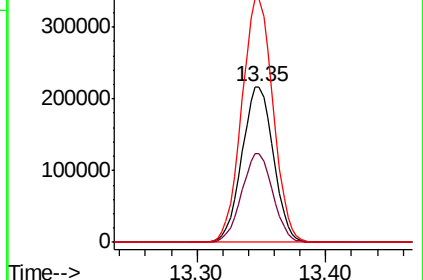
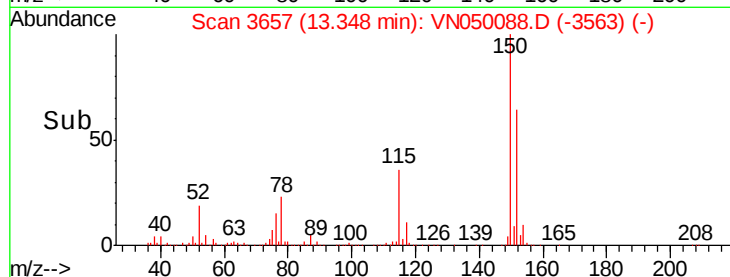
150 156.5 0.0 348.6



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: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050088.D

Acq: 26 Jul 2018 17:41

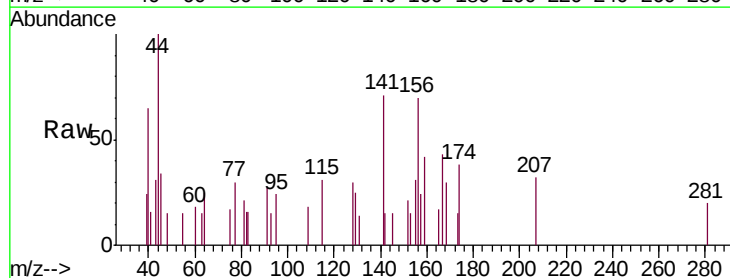
Tgt Ion: 83 Resp: 63

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

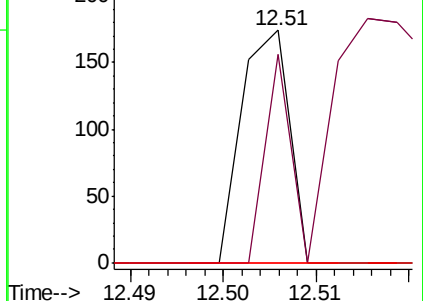
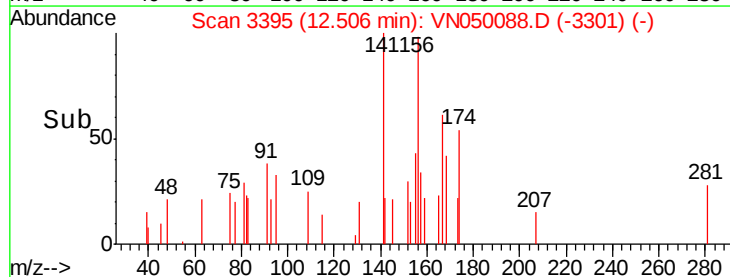
85 0.0 32.3 96.8#

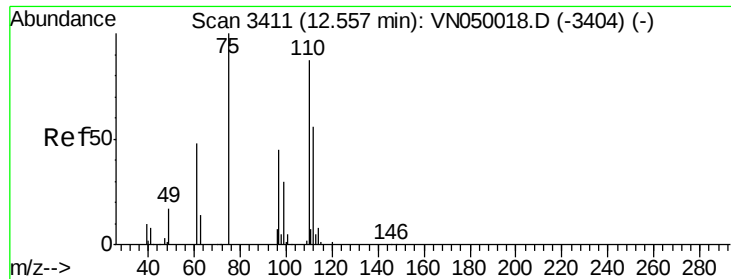


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 32.21 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. -0.15 min

Lab File: VN050088.D

Acq: 26 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampled :

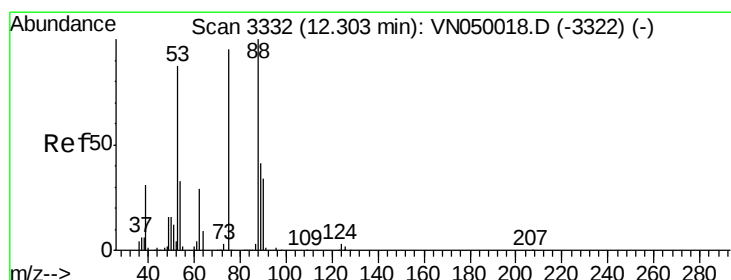
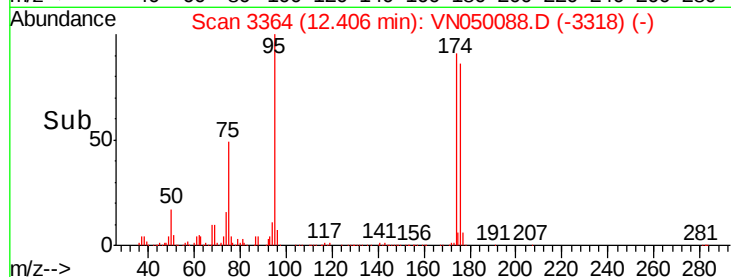
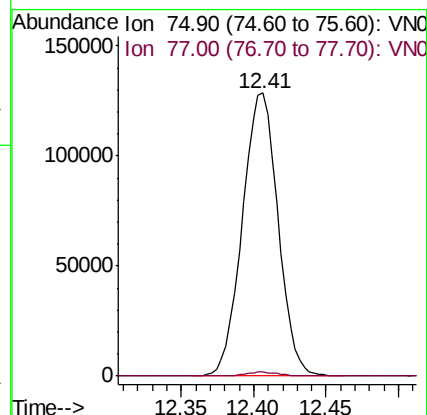
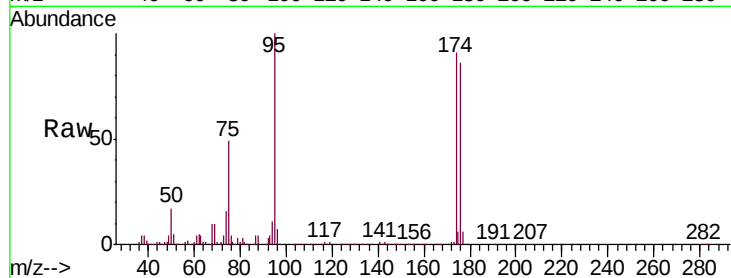
MW-1

Tot Ion: 75 Resp: 220338

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.17 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN050088.D

Acq: 26 Jul 2018 17:41

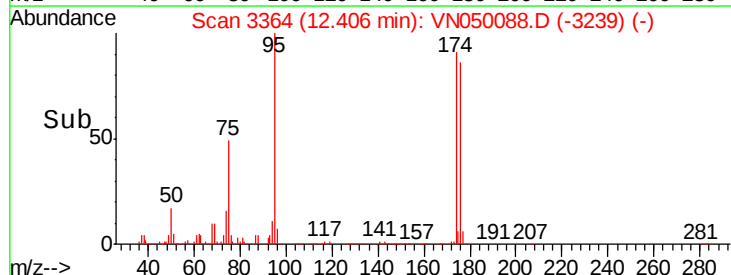
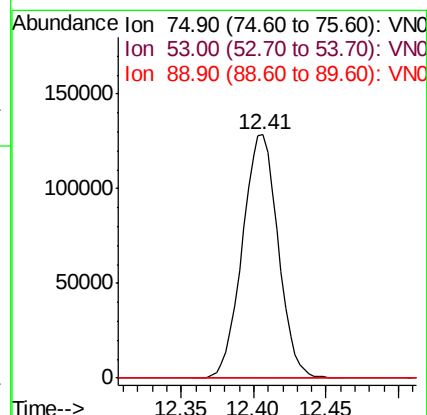
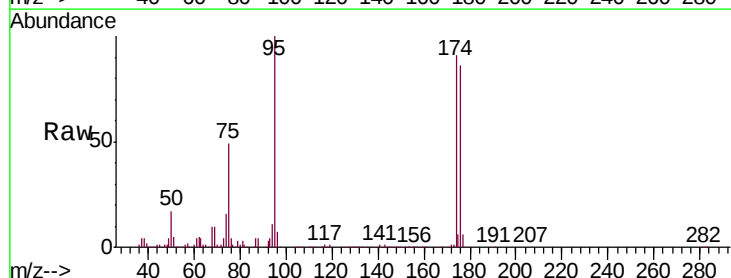
Tgt Ion: 75 Resp: 220338

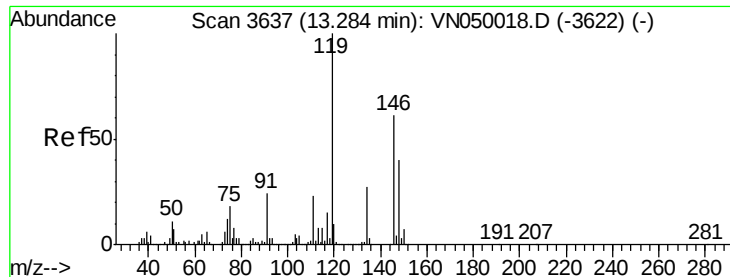
Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.0 36.0 54.0#





#87

1,3-Dichlorobenzene

Concen: 0.22 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN050088.D

Acq: 26 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

MW-1

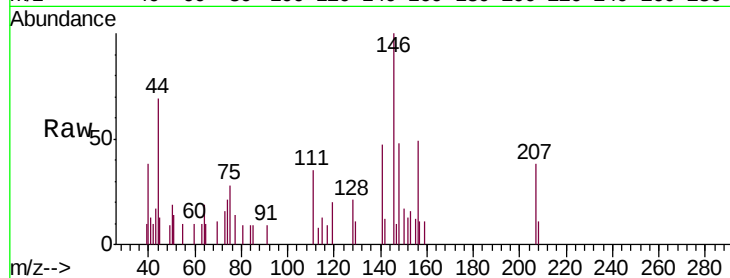
Tot Ion:146 Resp: 2982

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.4

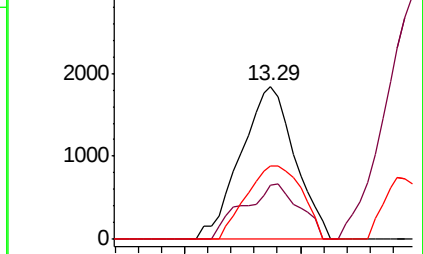
148 49.4 31.9 95.9



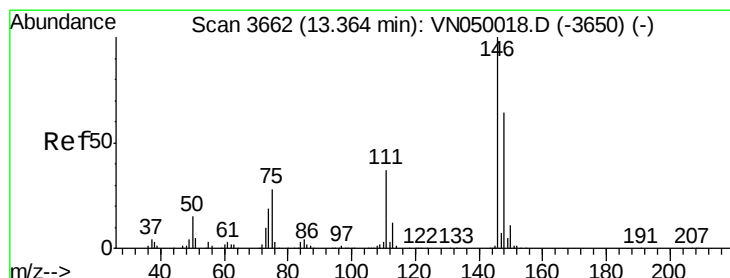
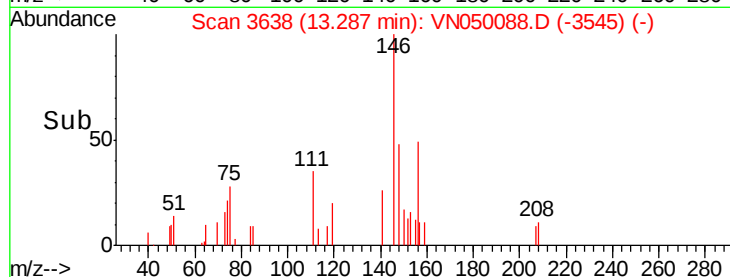
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#88

1,4-Dichlorobenzene

Concen: 0.23 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.08 min

Lab File: VN050088.D

Acq: 26 Jul 2018 17:41

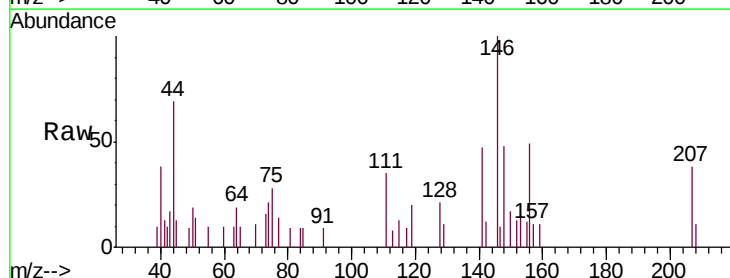
Tgt Ion:146 Resp: 2982

Ion Ratio Lower Upper

146 100

111 37.8 18.3 54.9

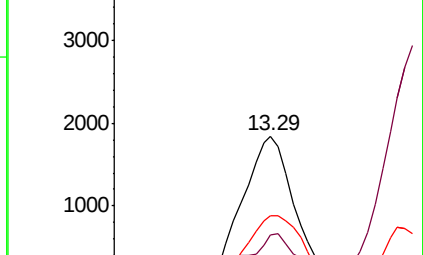
148 49.4 31.9 95.9



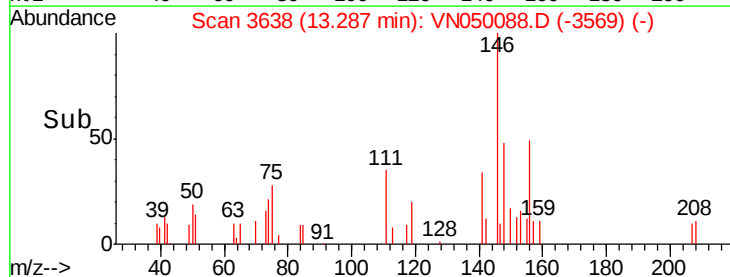
Abundance Ion 145.90 (145.60 to 146.60): V

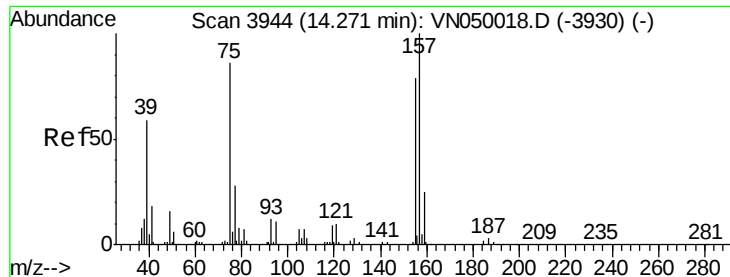
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.21 min Scan# 3925

Delta R.T. -0.06 min

Lab File: VN050088.D

Acq: 26 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampled :

MW-1

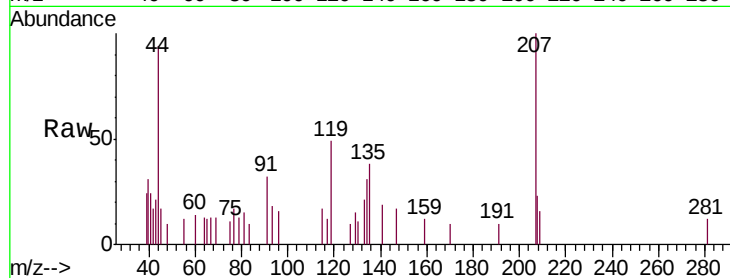
Tot Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

157 0.0 57.2 171.6#

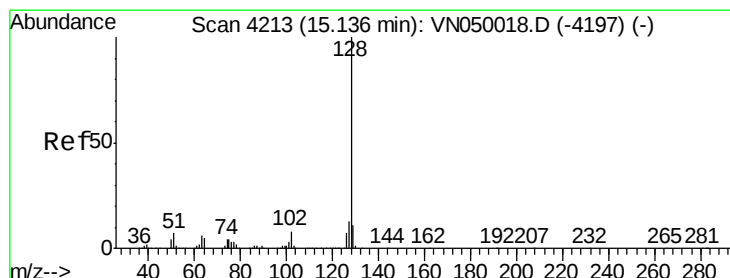
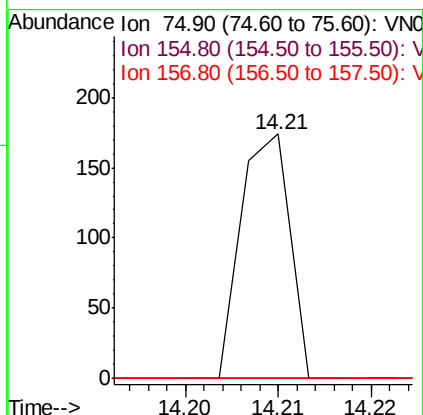
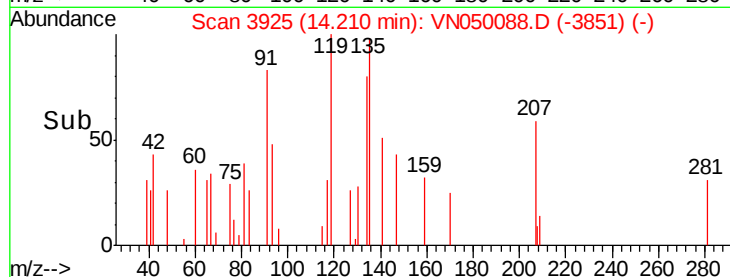


Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3930) (-)

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

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

Time-->



#95

Naphthalene

Concen: 4.48 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050088.D

Acq: 26 Jul 2018 17:41

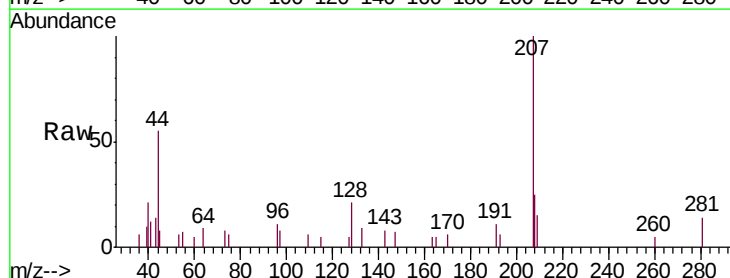
Tgt Ion: 128 Resp: 1282

Ion Ratio Lower Upper

128 100

127 8.7 10.4 15.6#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN050018.D (-4197) (-)

Ion 127.00 (126.70 to 127.70): VN050018.D (-4197) (-)

Ion 129.00 (128.70 to 129.70): VN050018.D (-4197) (-)

Time-->

