

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050117.D
 Acq On : 27 Jul 2018 6:33
 Operator : MD\SY
 Sample : J4184-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1B

Quant Time: Jul 27 07:58:16 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	776947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1204400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1015703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	407451	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	495909	45.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.50%	
35) Dibromofluoromethane	7.59	113	445787	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
50) Toluene-d8	10.09	98	1636656	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	
62) 4-Bromofluorobenzene	12.40	95	482010	40.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.98%	

Target Compounds

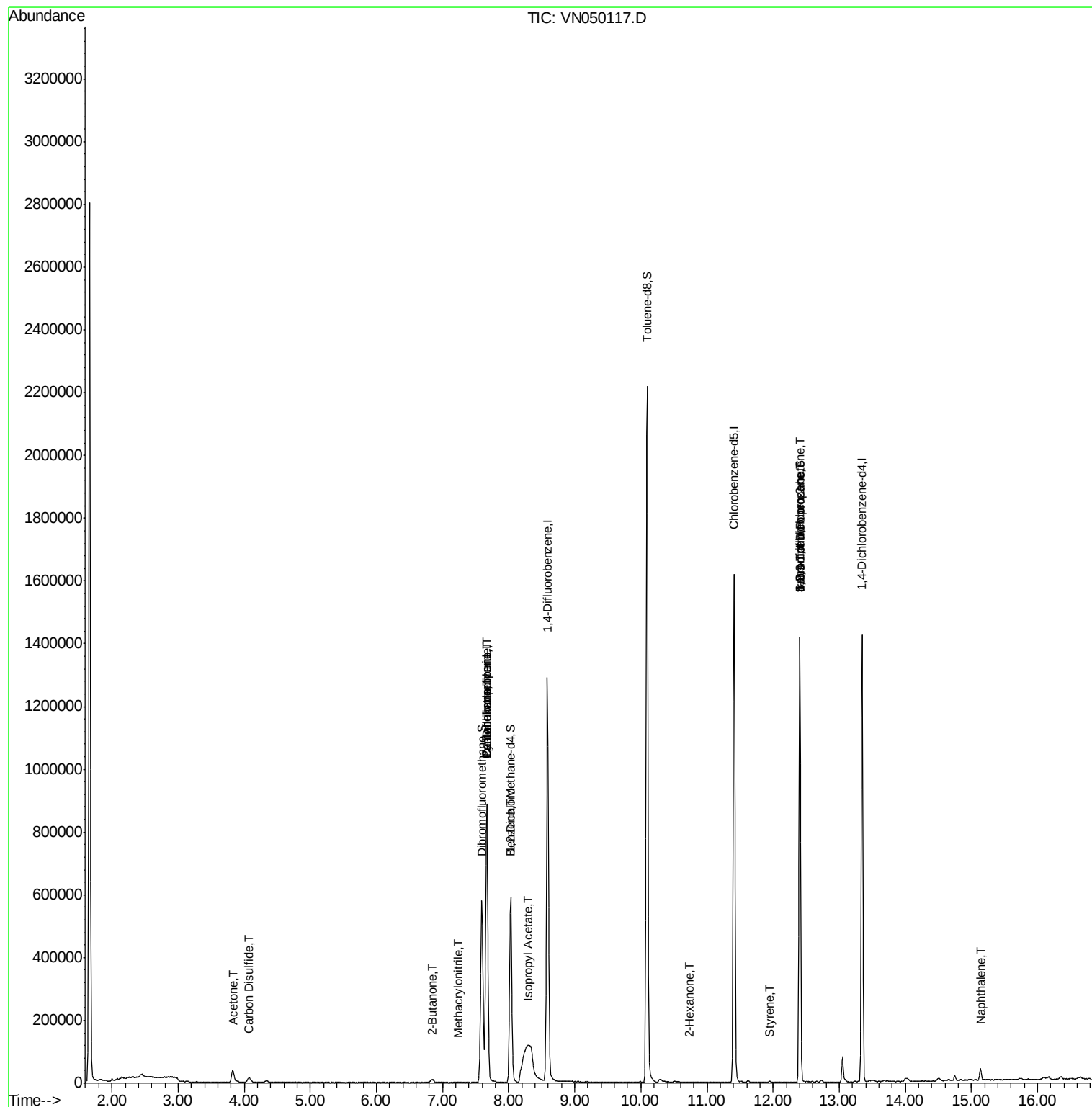
						Qvalue
5) Bromomethane	2.57	94	362	Below Cal	#	3
16) Acetone	3.82	43	68711	22.97	ug/l	98
17) Carbon Disulfide	4.05	76	11286	0.41	ug/l	96
18) Methyl Acetate	4.34	43	12124	Below Cal	#	73
20) Methylene Chloride	4.55	84	914	Below Cal	#	95
25) 2-Butanone	6.85	43	8530	2.06	ug/l	91
31) Cyclohexane	7.67	56	13967	0.87	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	51987	3.83	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	68839	4.78	ug/l	# 16
40) Benzene	8.04	78	20401	0.49	ug/l	96
41) Methacrylonitrile	7.23	41	96	2.77	ug/l	# 10
43) Isopropyl Acetate	8.30	43	254274	13.43	ug/l	# 61
59) 2-Hexanone	10.75	43	504	5.25	ug/l	# 24
70) Styrene	11.96	104	293	0.93	ug/l	# 68
71) Bromoform	12.40	173	3566	0.50	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.40	83	319	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	233398	30.82	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	233398	97.77	ug/l	# 13
92) 1,2-Dibromo-3-Chloropropan	14.17	75	102	Below Cal	#	1
95) Naphthalene	15.14	128	32227	5.99	ug/l	98

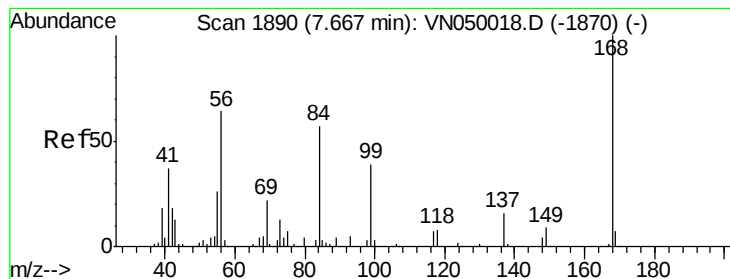
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050117.D

Acq: 27 Jul 2018 6:33

Instrument :

MSVOA_N

ClientSampled :

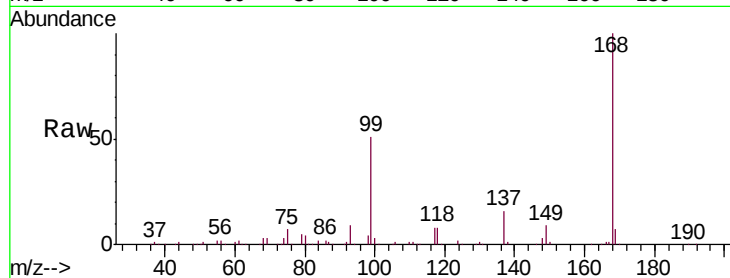
MW-1B

Tot Ion:168 Resp: 776947

Ion Ratio Lower Upper

168 100

99 51.0 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

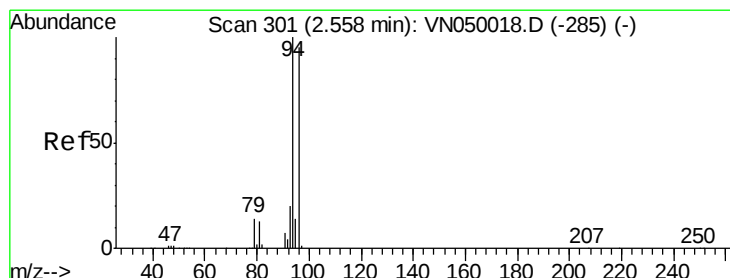
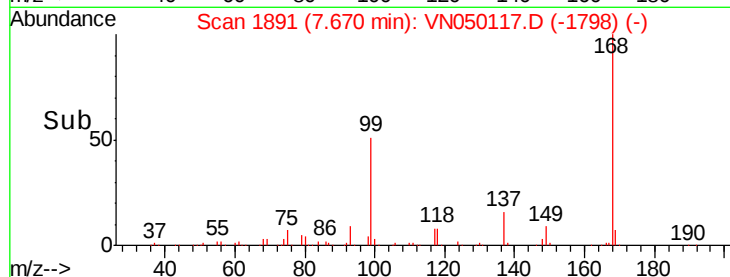
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.02 min

Lab File: VN050117.D

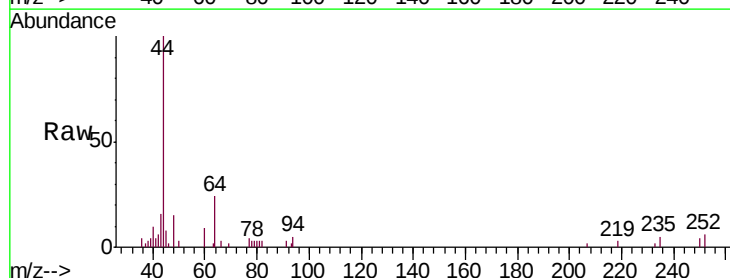
Acq: 27 Jul 2018 6:33

Tgt Ion: 94 Resp: 362

Ion Ratio Lower Upper

94 100

96 0.0 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

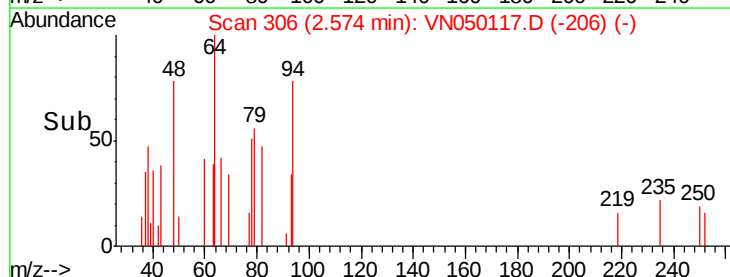
300

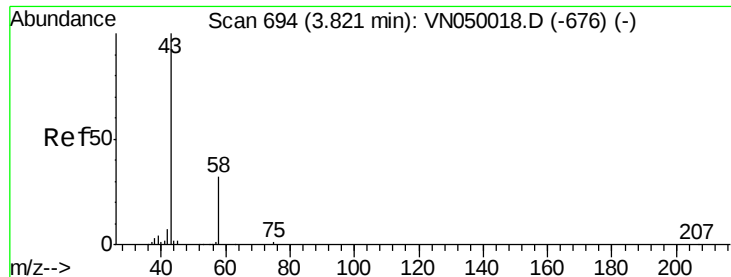
200

100

0

Time--> 2.56 2.58 2.60





#16

Acetone

Concen: 22.97 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050117.D

Acq: 27 Jul 2018 6:33

Instrument :

MSVOA_N

ClientSampled :

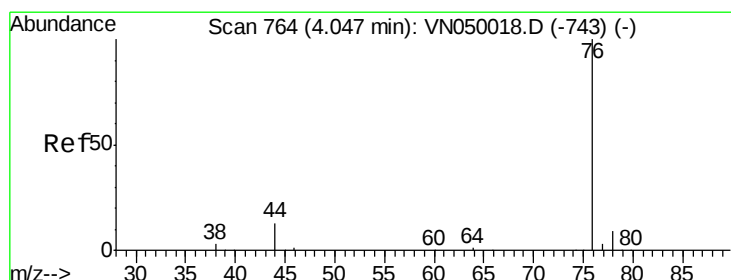
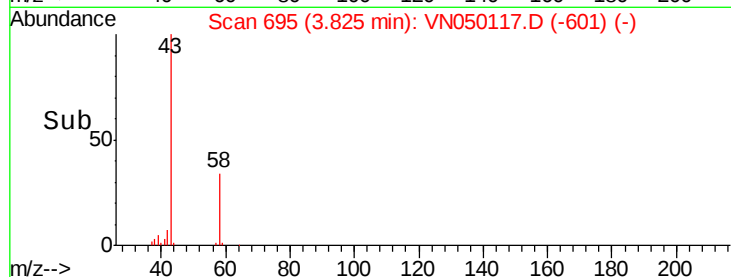
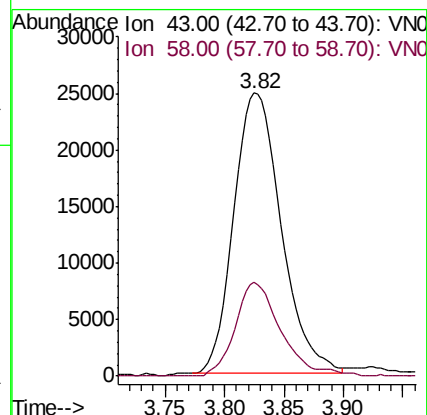
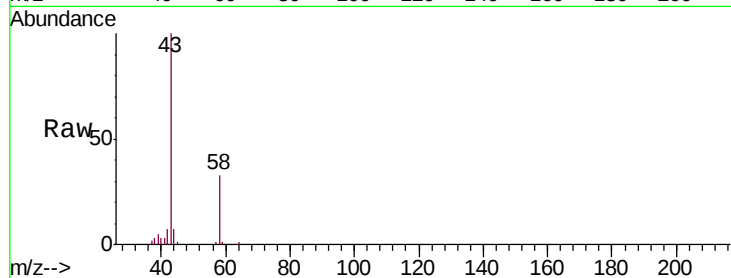
MW-1B

Tot Ion: 43 Resp: 68711

Ion Ratio Lower Upper

43 100

58 33.5 25.8 38.8



#17

Carbon Disulfide

Concen: 0.41 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050117.D

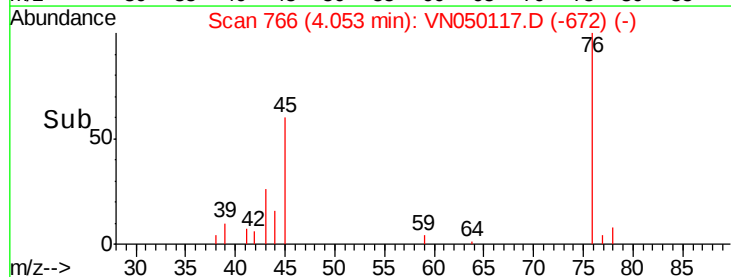
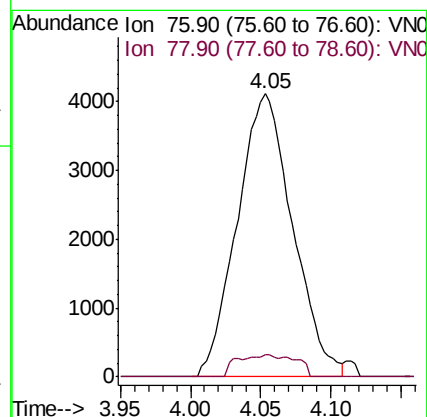
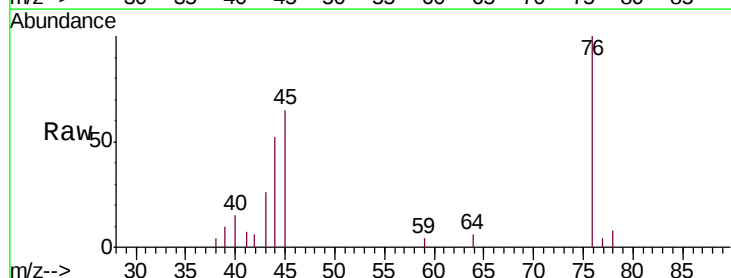
Acq: 27 Jul 2018 6:33

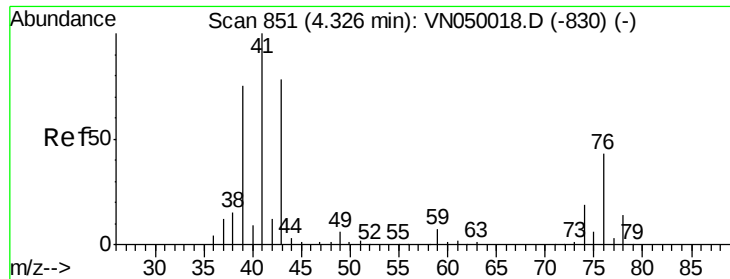
Tgt Ion: 76 Resp: 11286

Ion Ratio Lower Upper

76 100

78 7.7 7.3 10.9

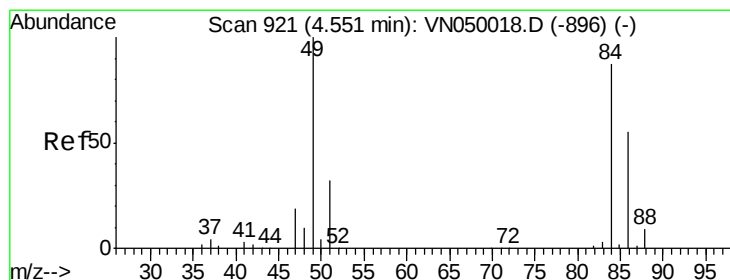
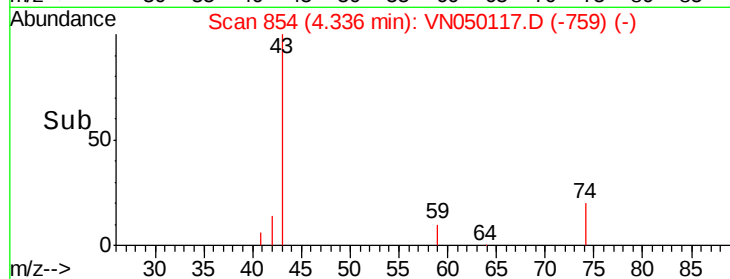
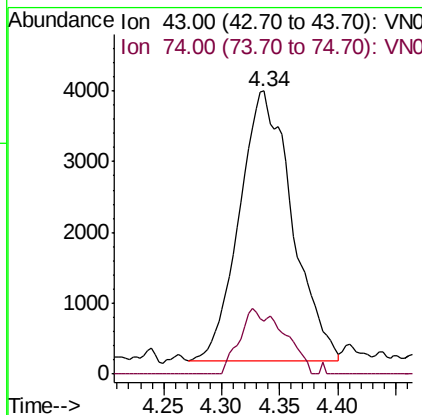
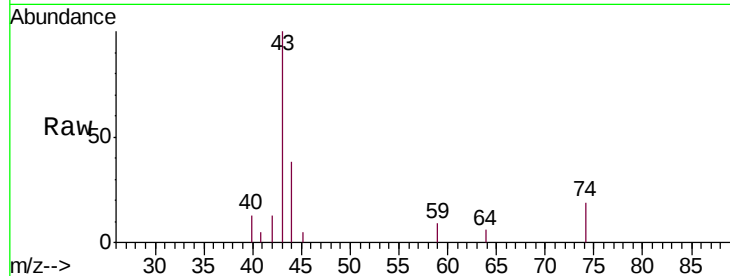




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN050117.D
Acq: 27 Jul 2018 6:33

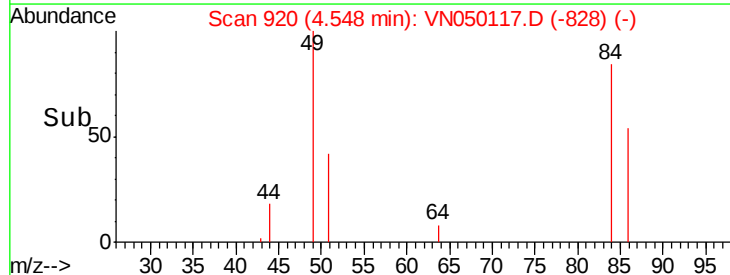
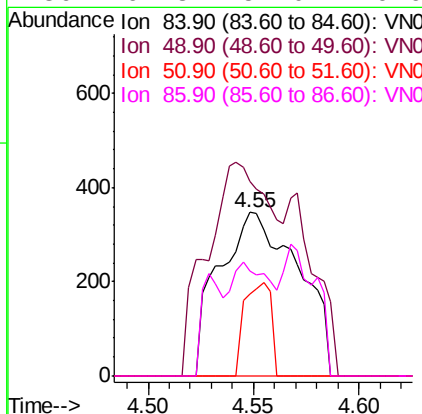
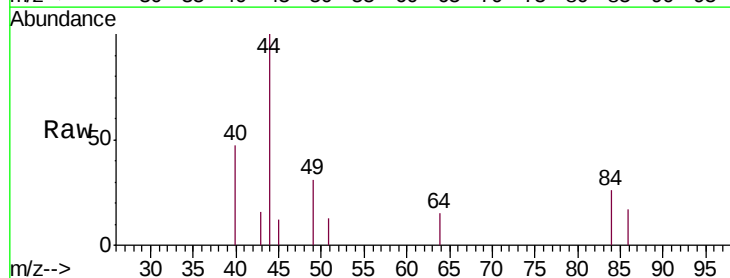
Instrument :
MSVOA_N
ClientSampleId :
MW-1B

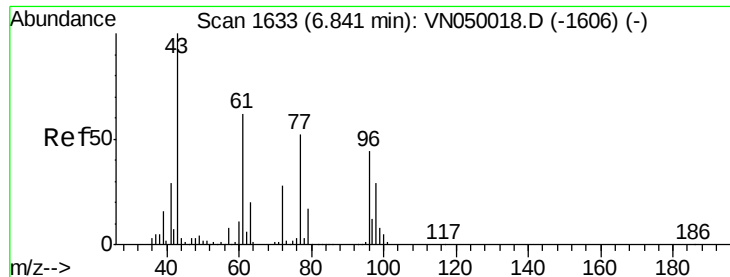
Tot Ion: 43 Resp: 12124
Ion Ratio Lower Upper
43 100
74 10.5 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050117.D
Acq: 27 Jul 2018 6:33

Tgt Ion: 84 Resp: 914
Ion Ratio Lower Upper
84 100
49 119.3 94.8 142.2
51 49.9 28.3 42.5#
86 64.3 51.0 76.6





#25

2-Butanone

Concen: 2.06 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN050117.D

Acq: 27 Jul 2018 6:33

Instrument :

MSVOA_N

ClientSampled :

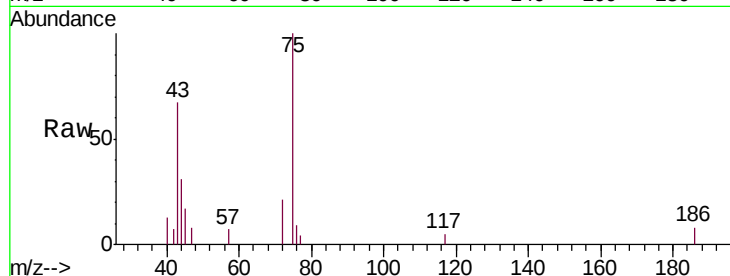
MW-1B

Tot Ion: 43 Resp: 8530

Ion Ratio Lower Upper

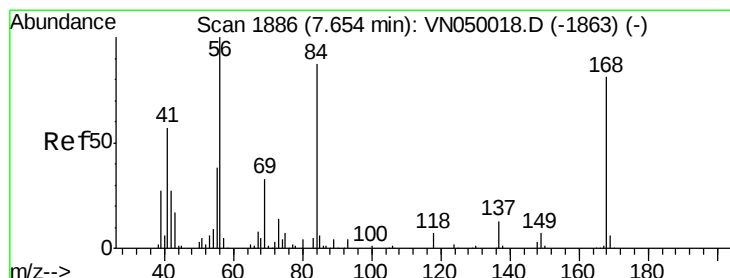
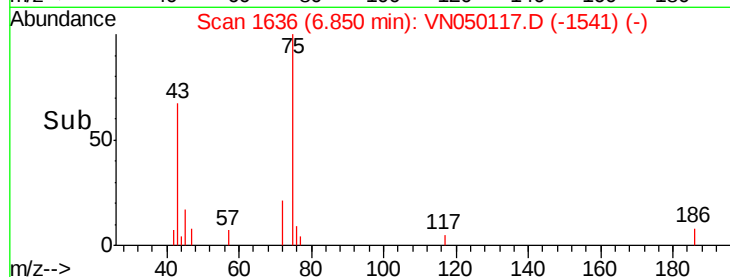
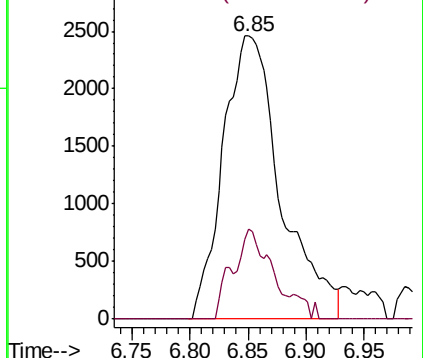
43 100

72 31.7 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 0.87 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050117.D

Acq: 27 Jul 2018 6:33

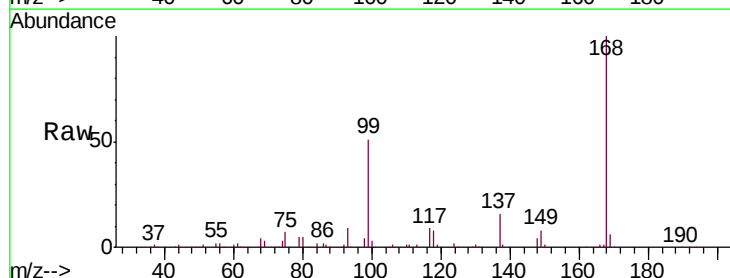
Tgt Ion: 56 Resp: 13967

Ion Ratio Lower Upper

56 100

69 171.2 26.2 39.4#

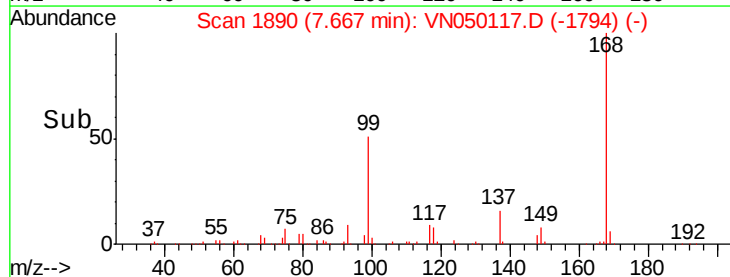
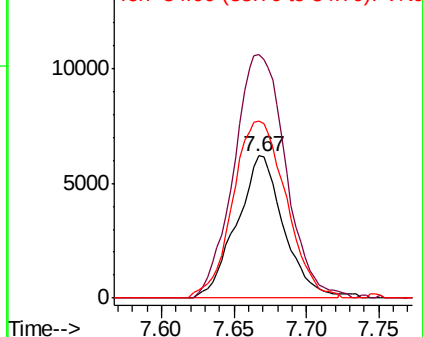
84 124.8 67.4 101.0#

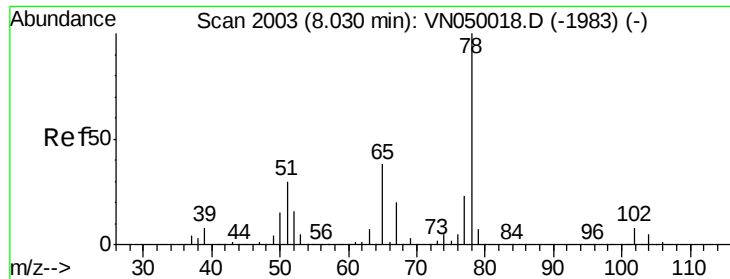


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

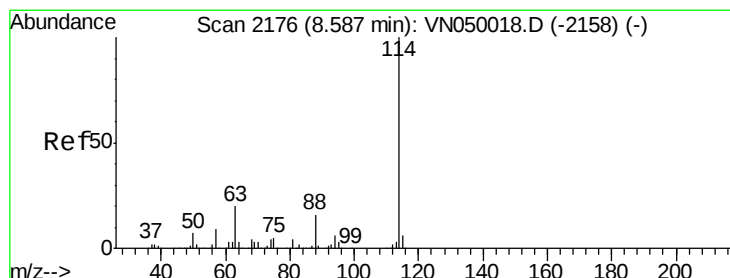
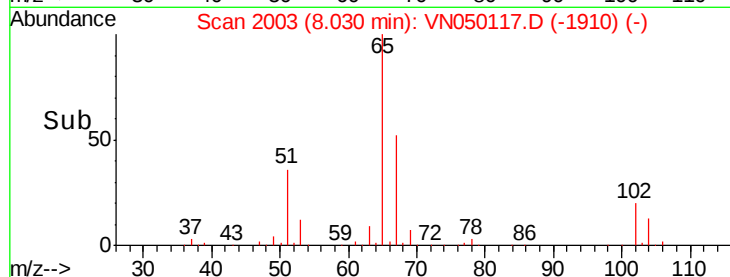
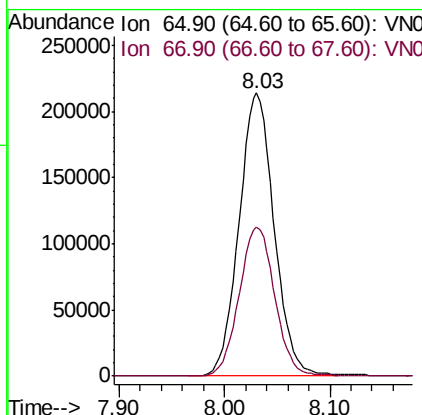
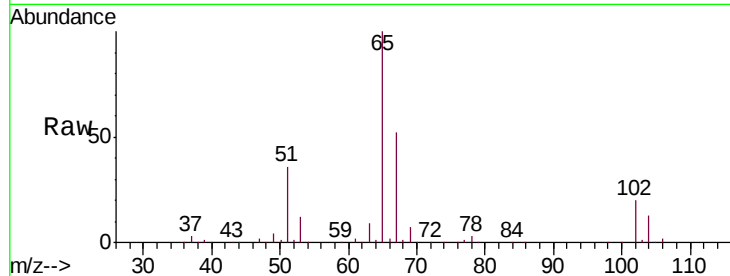




#33
 1,2-Dichloroethane-d4
 Concen: 45.75 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050117.D
 Acq: 27 Jul 2018 6:33

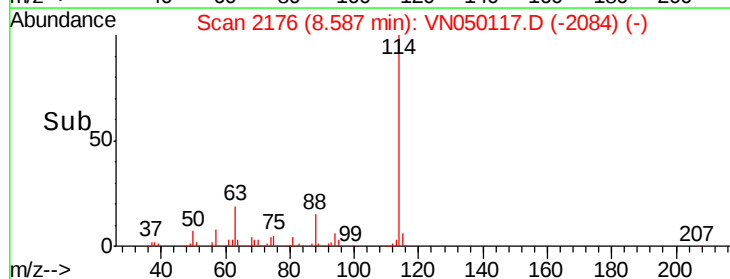
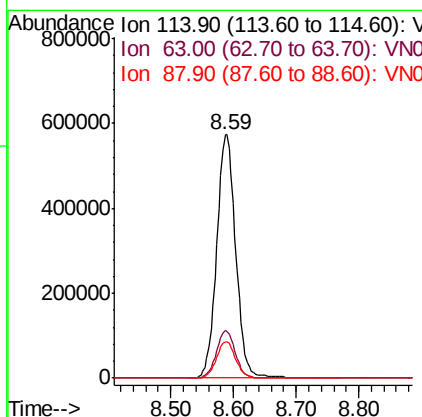
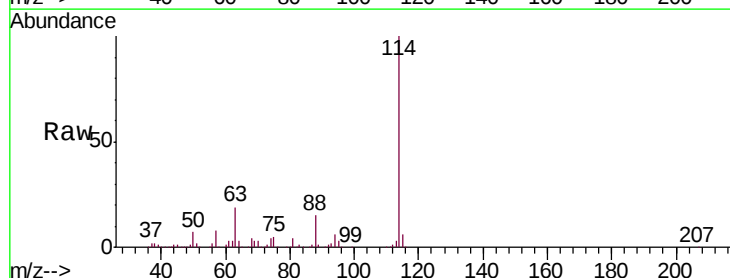
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1B

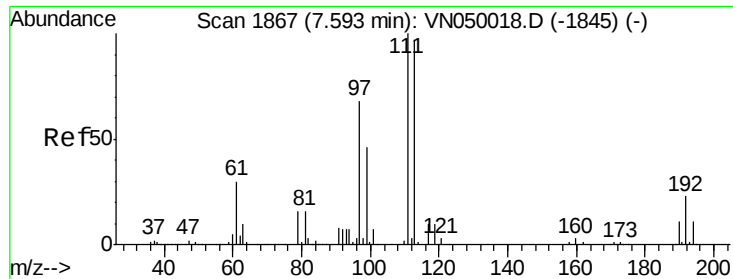
Tot Ion: 65 Resp: 495909
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050117.D
 Acq: 27 Jul 2018 6:33

Tgt Ion: 114 Resp: 1204400
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.1 0.0 31.2

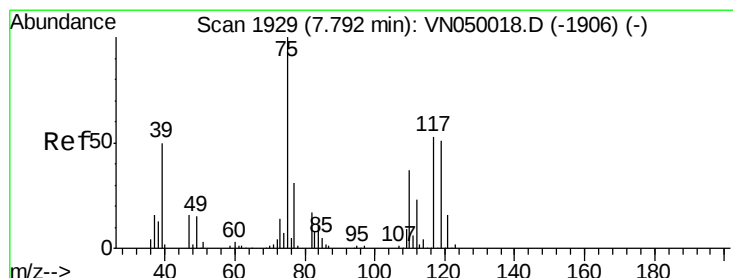
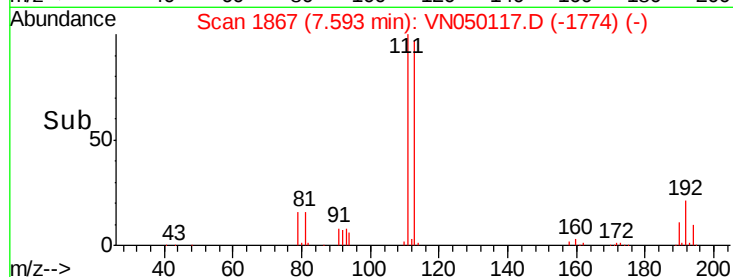
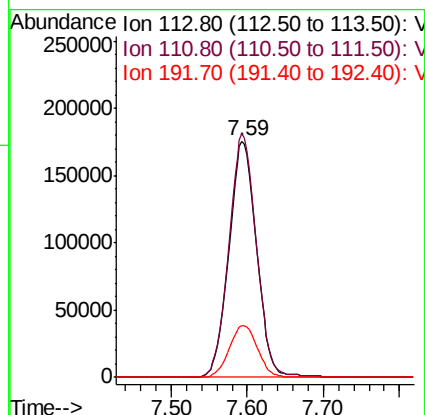
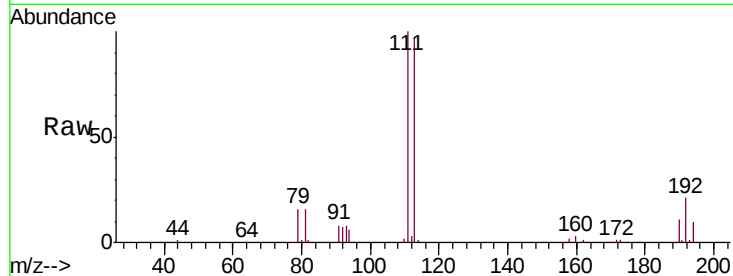




#35
 Dibromofluoromethane
 Concen: 45.33 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050117.D
 Acq: 27 Jul 2018 6:33

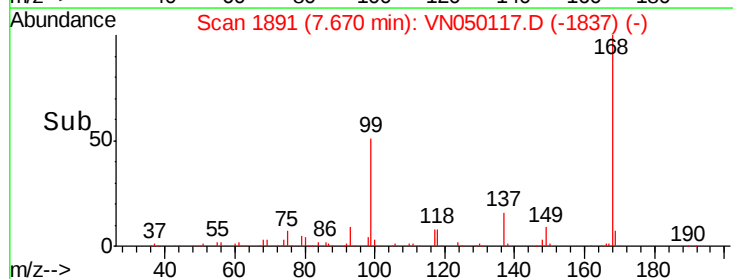
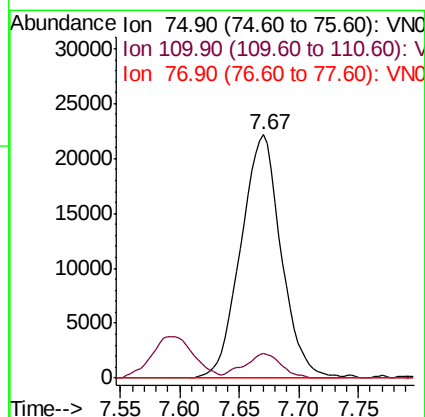
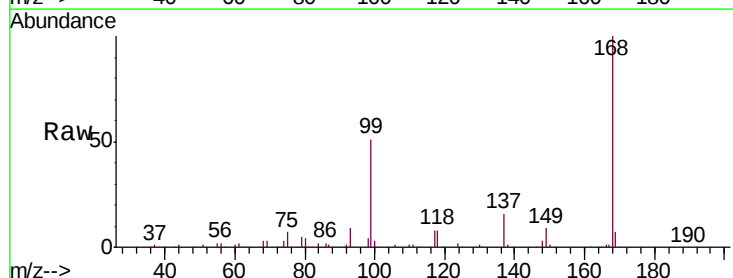
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1B

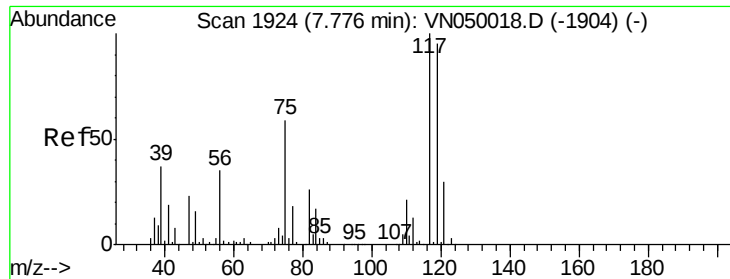
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.7	121.1
192	22.4	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.83 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050117.D
 Acq: 27 Jul 2018 6:33

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

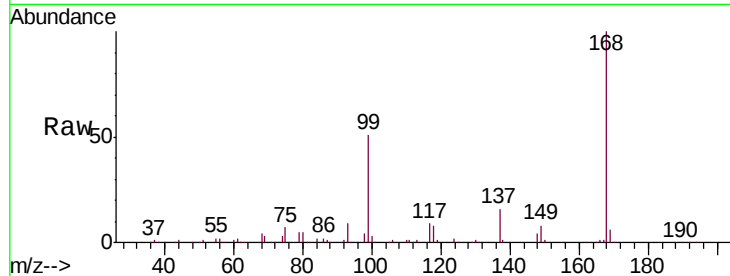




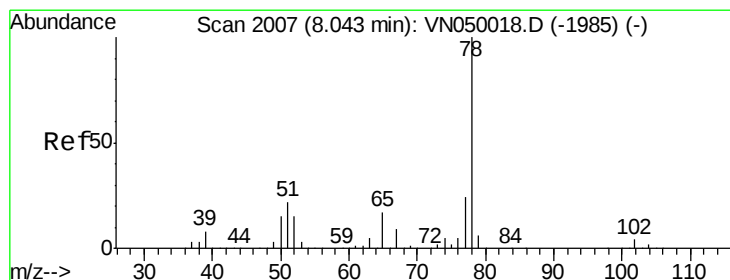
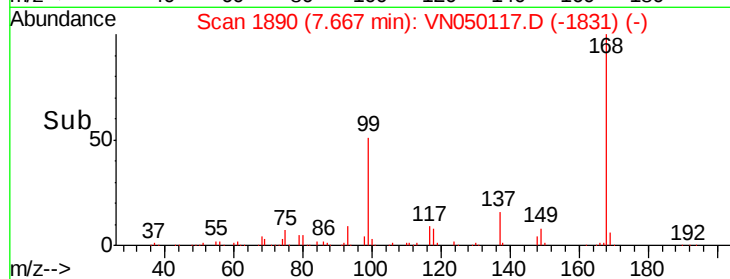
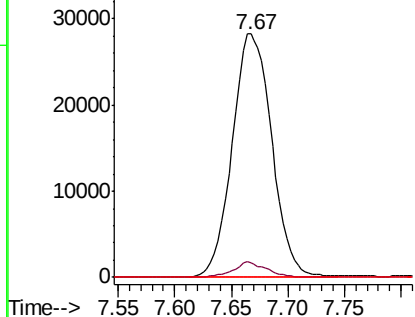
#38
Carbon Tetrachloride
Concen: 4.78 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050117.D
Acq: 27 Jul 2018 6:33

Instrument :
MSVOA_N
ClientSampled :
MW-1B

Tot Ion:117 Resp: 68839
Ion Ratio Lower Upper
117 100
119 6.2 77.4 116.0#
121 0.0 23.9 35.9#

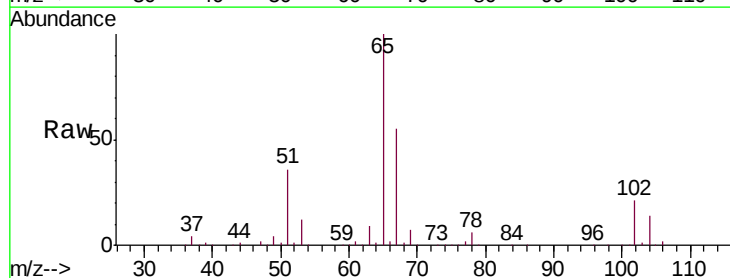


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

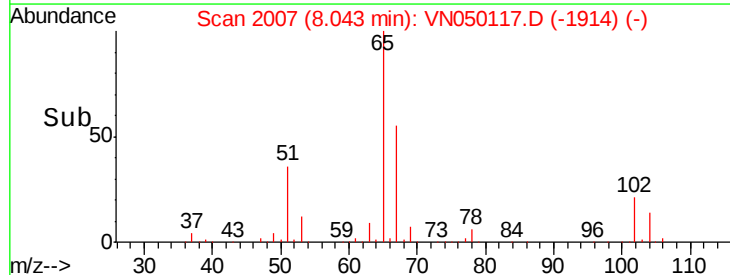
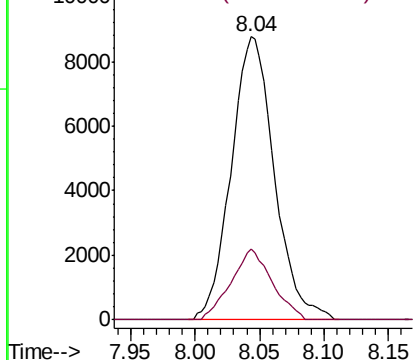


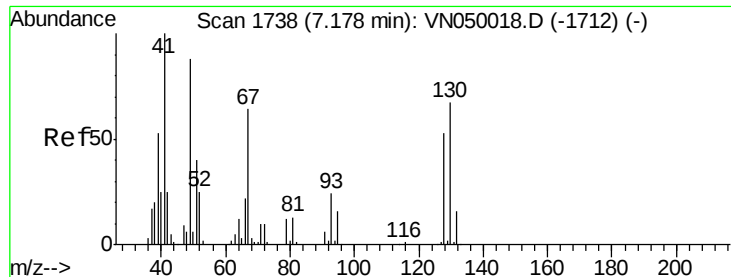
#40
Benzene
Concen: 0.49 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050117.D
Acq: 27 Jul 2018 6:33

Tgt Ion: 78 Resp: 20401
Ion Ratio Lower Upper
78 100
77 25.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): V
Ion 77.00 (76.70 to 77.70): V

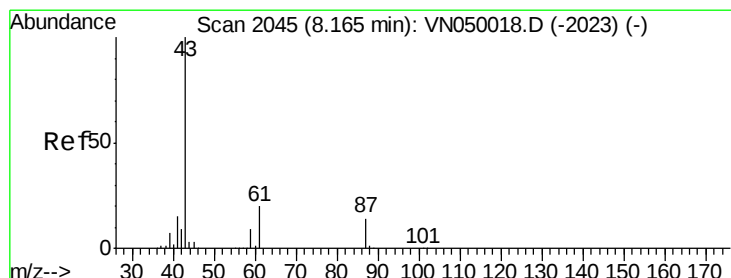
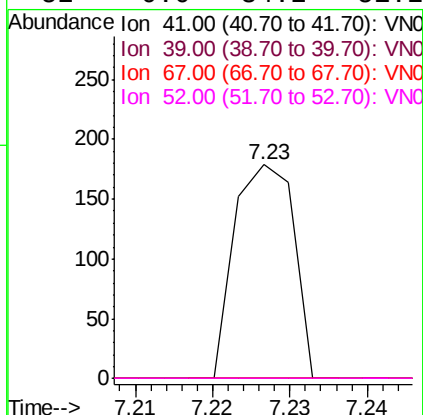
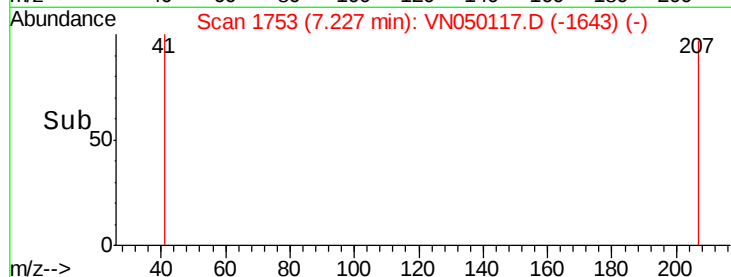
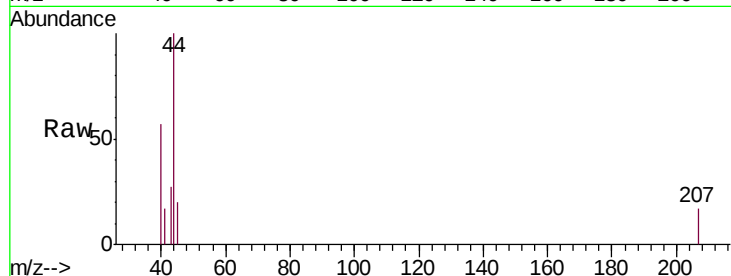




#41
Methacrylonitrile
Concen: 2.77 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.05 min
Lab File: VN050117.D
Acq: 27 Jul 2018 6:33

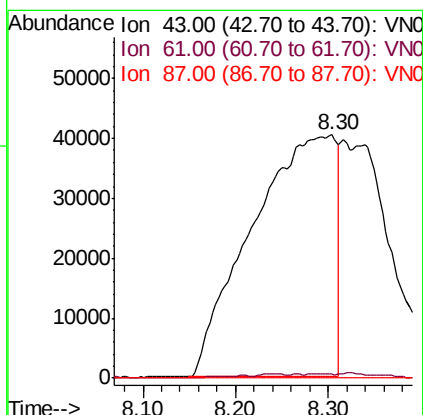
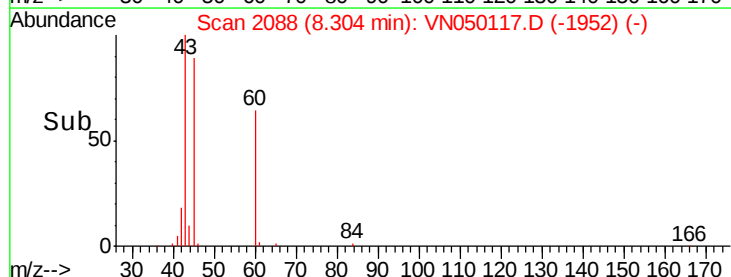
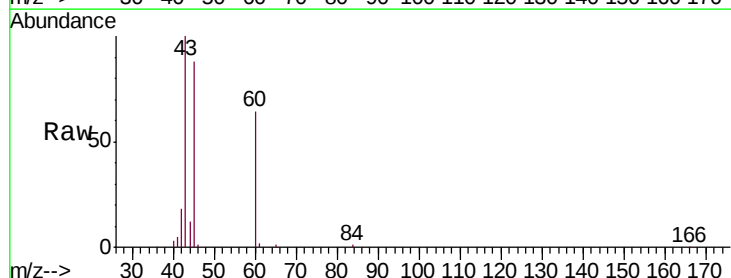
Instrument :
MSVOA_N
ClientSampled :
MW-1B

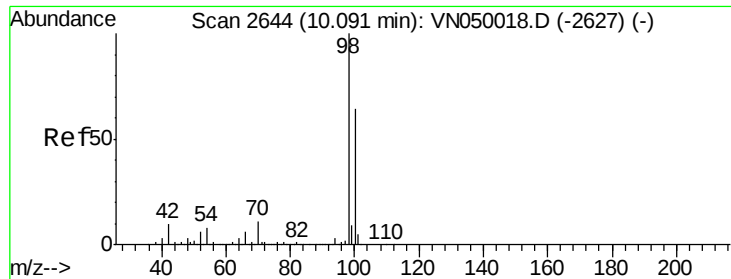
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.8	83.6#
67	0.0	84.3	126.5#
52	0.0	34.2	51.2#



#43
Isopropyl Acetate
Concen: 13.43 ug/l
RT: 8.30 min Scan# 2088
Delta R.T. 0.14 min
Lab File: VN050117.D
Acq: 27 Jul 2018 6:33

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.2	15.8	23.6#
87	0.0	10.3	15.5#

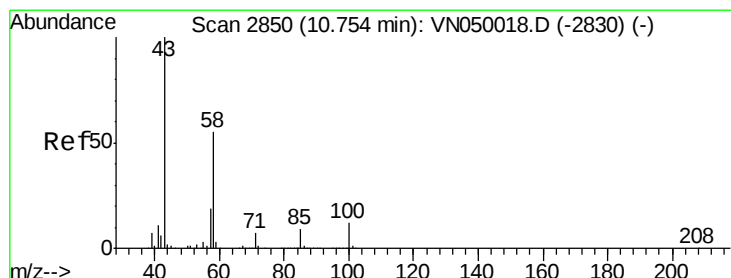
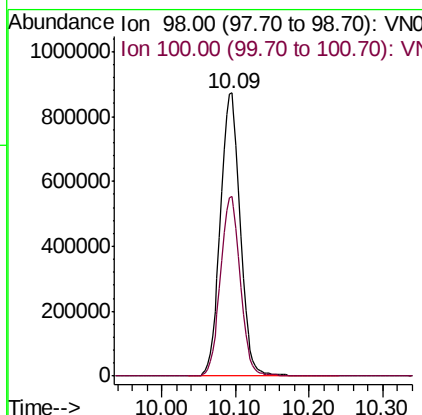
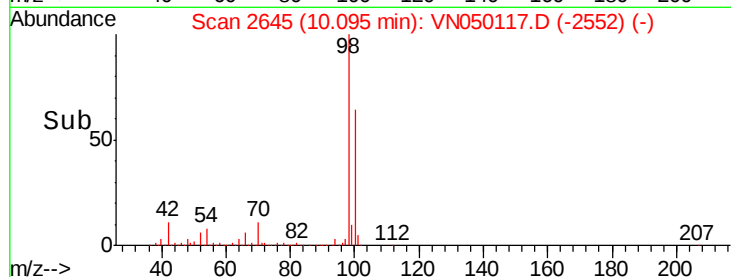
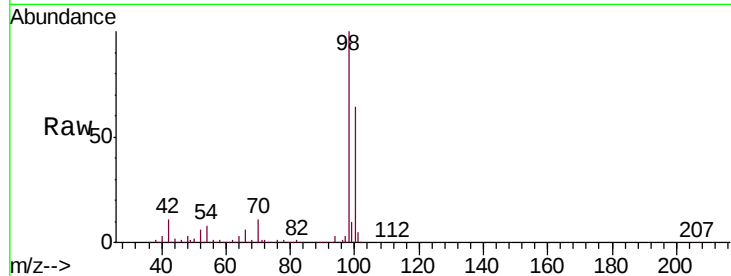




#50
Toluene-d8
Concen: 45.27 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050117.D
Acq: 27 Jul 2018 6:33

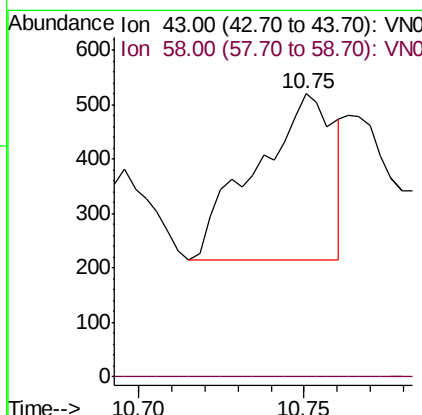
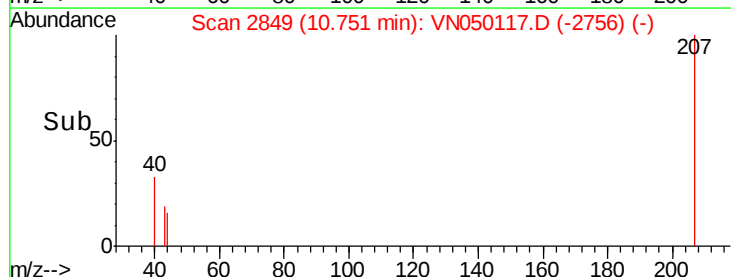
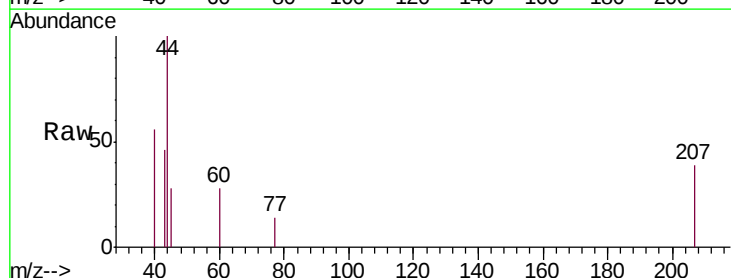
Instrument :
MSVOA_N
ClientSampleId :
MW-1B

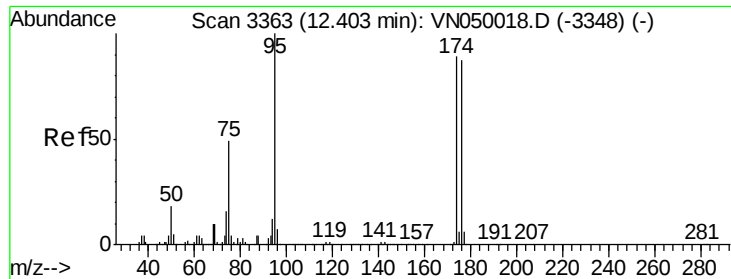
Tot Ion: 98 Resp: 1636656
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



#59
2-Hexanone
Concen: 5.25 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050117.D
Acq: 27 Jul 2018 6:33

Tgt Ion: 43 Resp: 504
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#

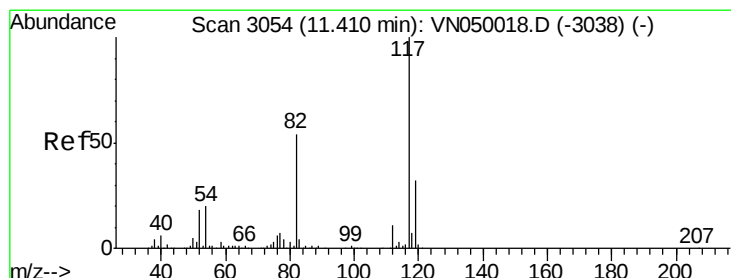
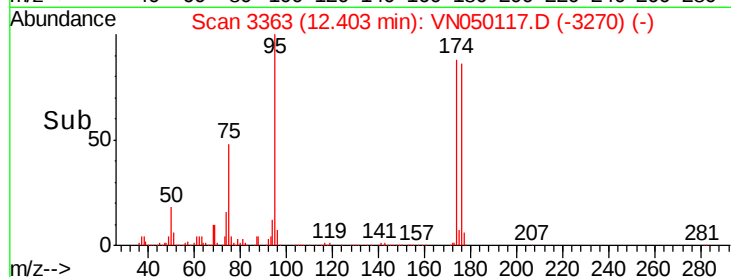
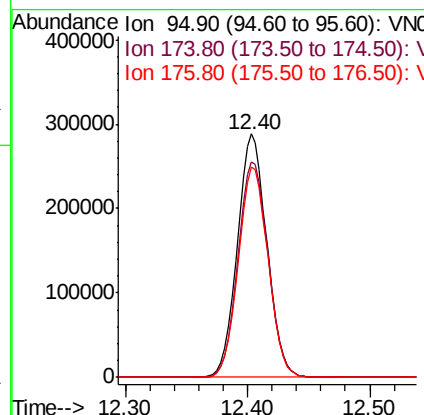
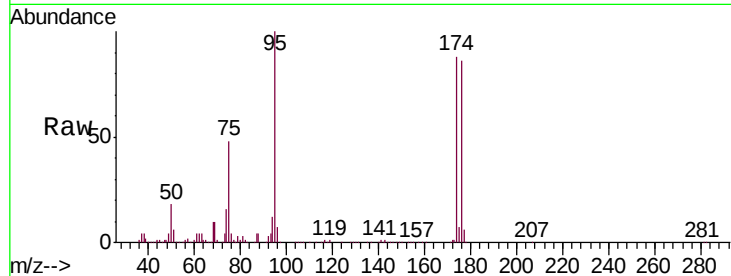




#62
4-Bromofluorobenzene
Concen: 40.49 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050117.D
Acq: 27 Jul 2018 6:33

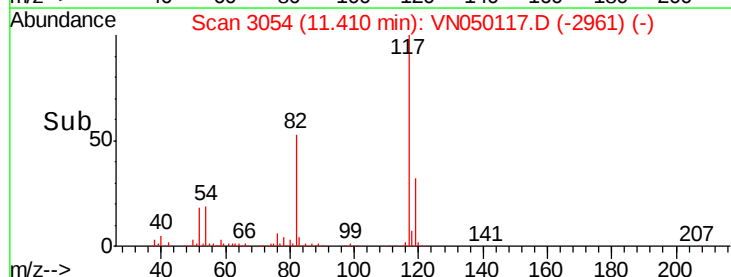
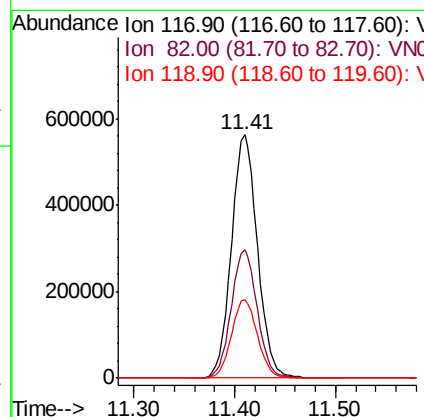
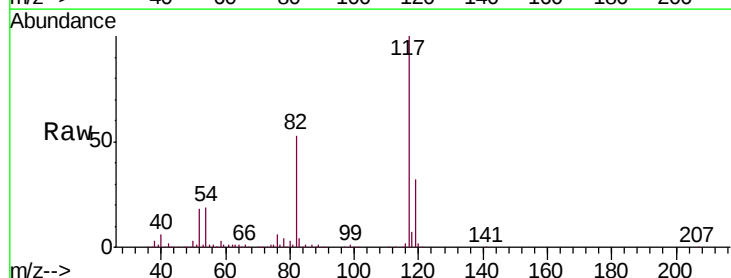
Instrument :
MSVOA_N
ClientSampleId :
MW-1B

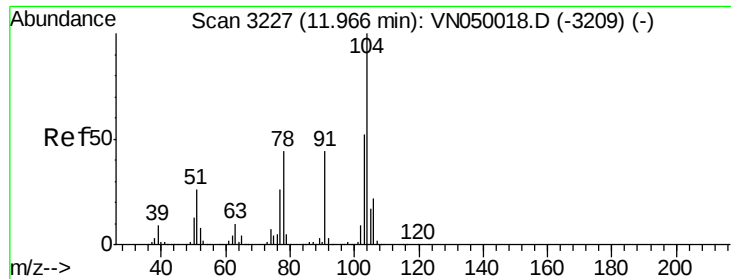
Tot Ion: 95 Resp: 482010
Ion Ratio Lower Upper
95 100
174 90.4 0.0 178.2
176 87.4 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050117.D
Acq: 27 Jul 2018 6:33

Tgt Ion: 117 Resp: 1015703
Ion Ratio Lower Upper
117 100
82 52.7 43.7 65.5
119 32.5 26.1 39.1

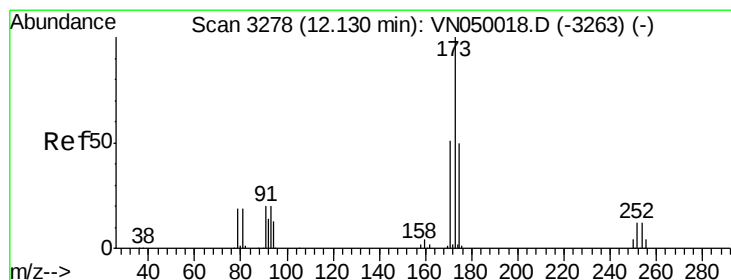
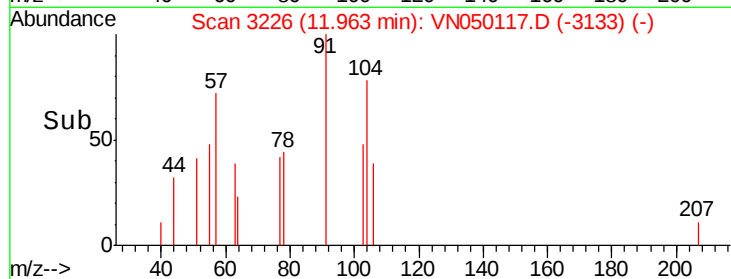
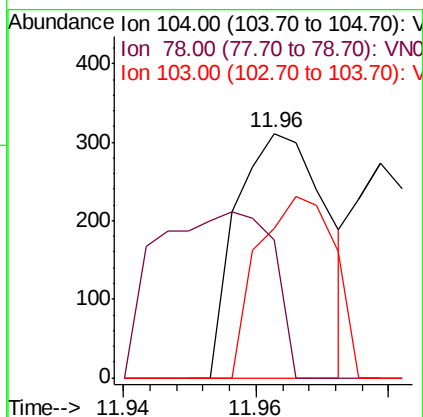
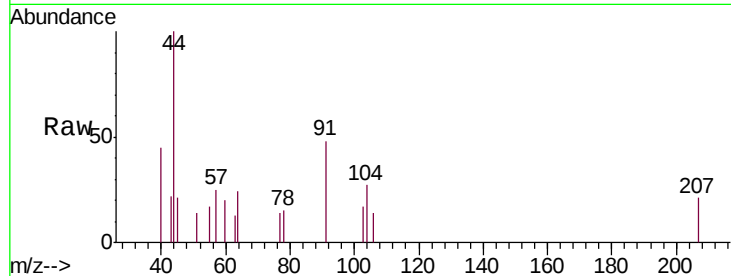




#70
Stvrene
Concen: 0.93 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050117.D
Acq: 27 Jul 2018 6:33

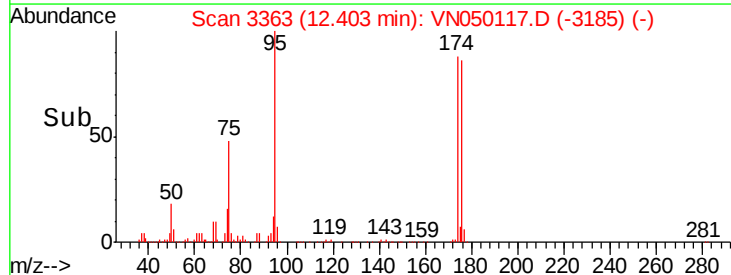
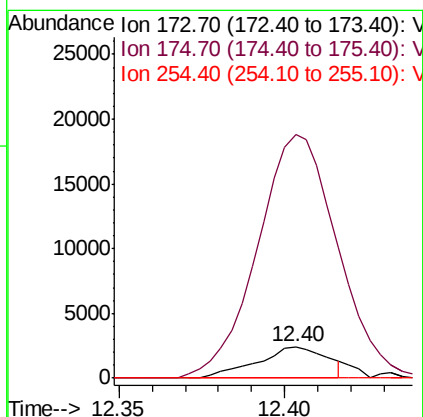
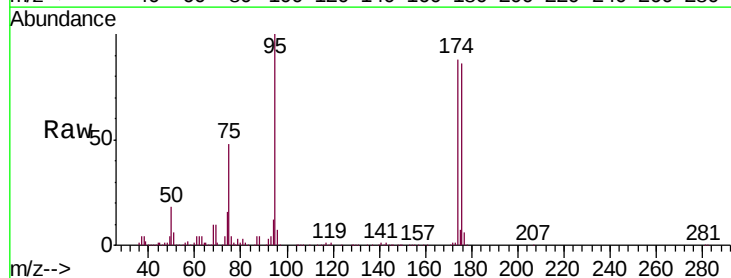
Instrument :
MSVOA_N
ClientSampled :
MW-1B

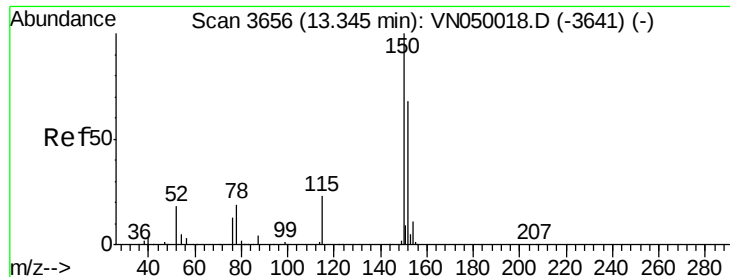
Tot Ion:104 Resp: 293
Ion Ratio Lower Upper
104 100
78 87.7 39.3 58.9#
103 63.5 45.0 67.6



#71
Bromoform
Concen: 0.50 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.27 min
Lab File: VN050117.D
Acq: 27 Jul 2018 6:33

Tgt Ion:173 Resp: 3566
Ion Ratio Lower Upper
173 100
175 785.2 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# 3656

Delta R.T. 0.00 min

Lab File: VN050117.D

Acq: 27 Jul 2018 6:33

Instrument :

MSVOA_N

ClientSampleId :

MW-1B

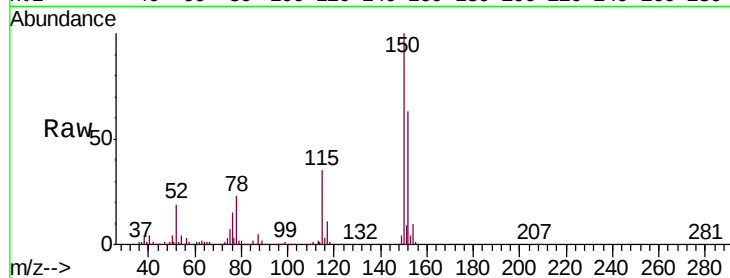
Tot Ion:152 Resp: 407451

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.3

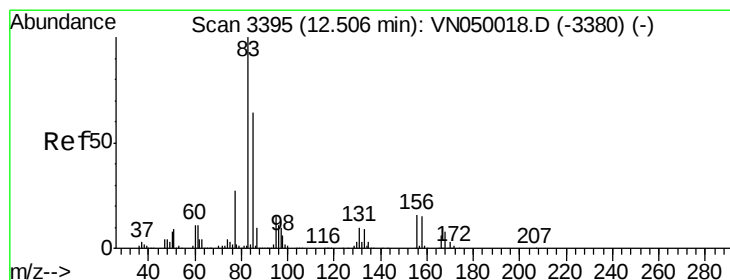
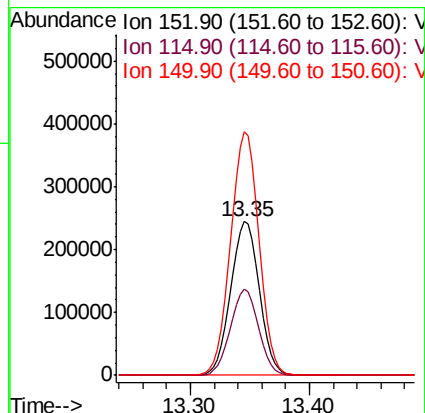
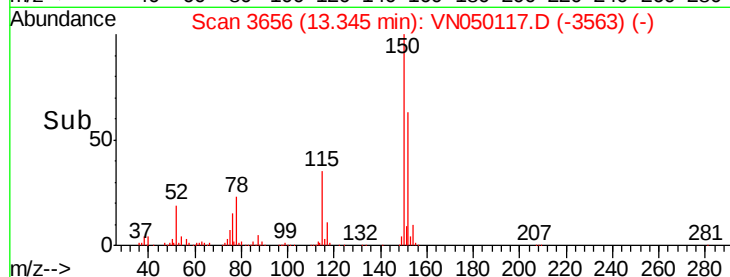
150 157.0 0.0 348.6



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: 12.40 min Scan# 3362

Delta R.T. -0.11 min

Lab File: VN050117.D

Acq: 27 Jul 2018 6:33

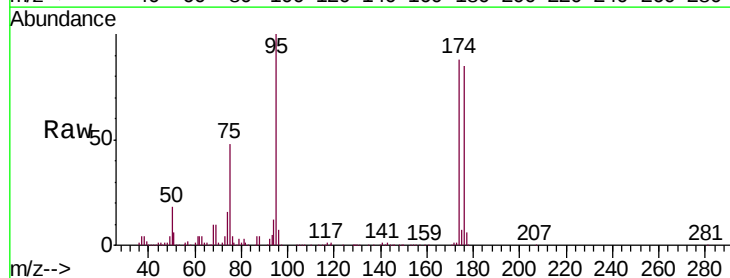
Tgt Ion: 83 Resp: 319

Ion Ratio Lower Upper

83 100

131 143.3 5.1 15.3#

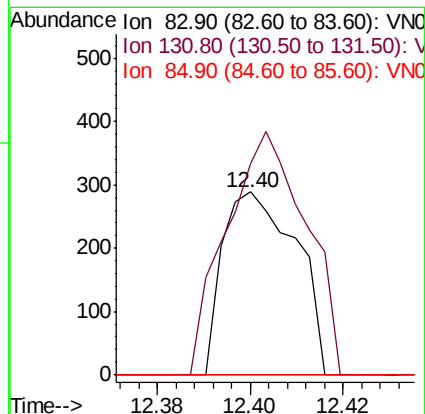
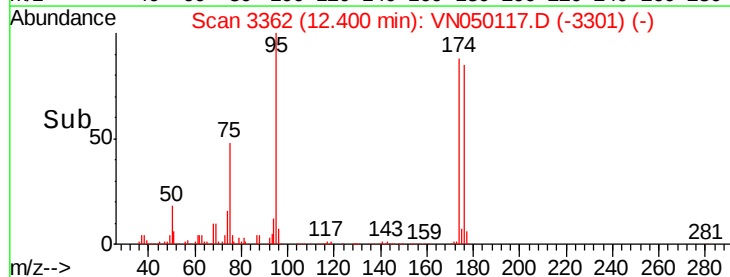
85 0.0 32.3 96.8#

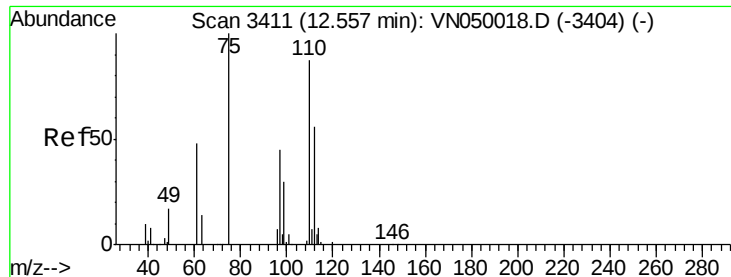


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 30.82 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050117.D

Acq: 27 Jul 2018 6:33

Instrument :

MSVOA_N

ClientSampleId :

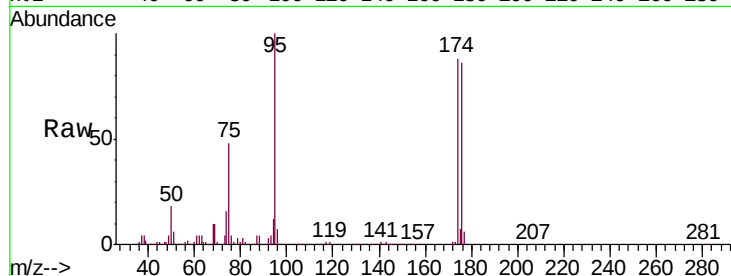
MW-1B

Tot Ion: 75 Resp: 233398

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

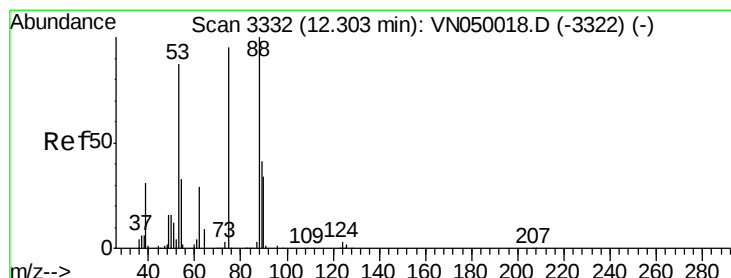
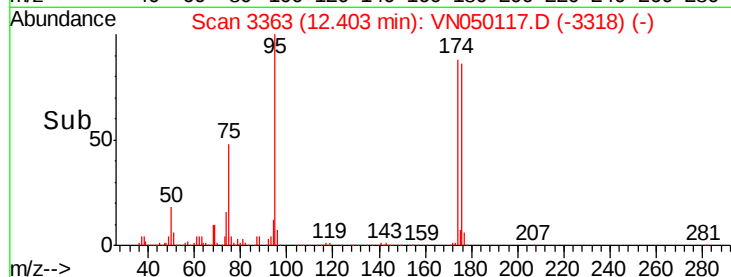
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 97.77 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050117.D

Acq: 27 Jul 2018 6:33

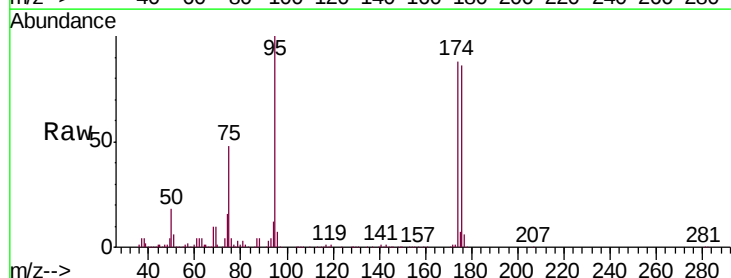
Tgt Ion: 75 Resp: 233398

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

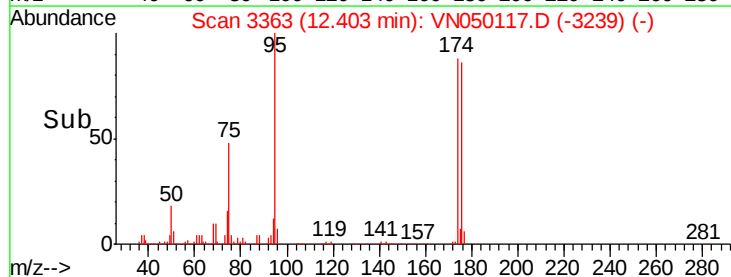
150000

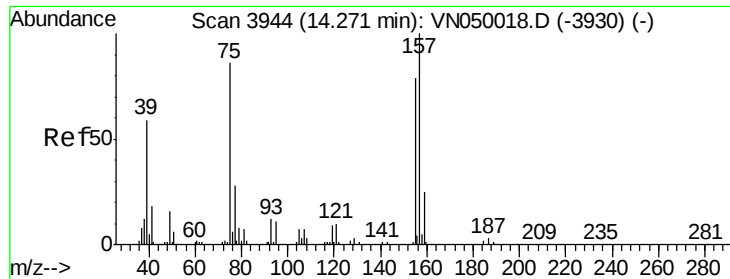
100000

50000

0

Time--> 12.30 12.40 12.50





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.17 min Scan# 3912

Delta R.T. -0.10 min

Lab File: VN050117.D

Acq: 27 Jul 2018 6:33

Instrument :

MSVOA_N

ClientSampleId :

MW-1B

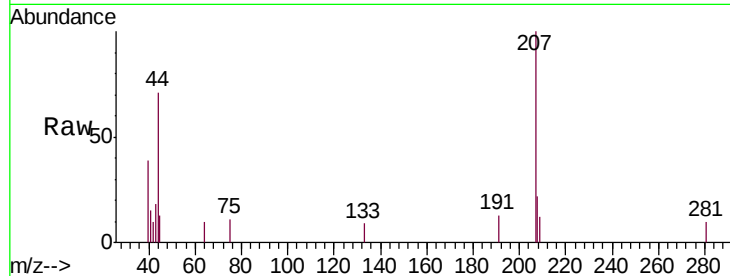
Tot Ion: 75 Resp: 102

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

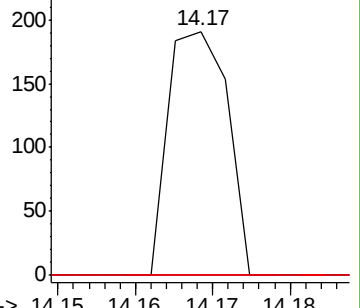
157 0.0 57.2 171.6#



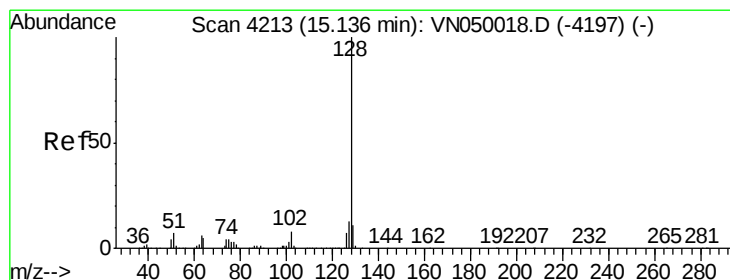
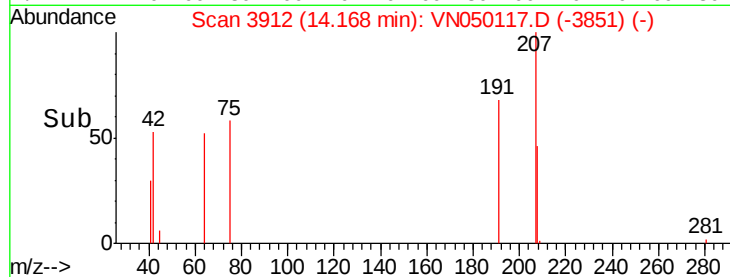
Abundance Ion 74.90 (74.60 to 75.60): VN050117.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN050117.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN050117.D (-3930) (-)



Time--> 14.15 14.16 14.17 14.18



#95

Naphthalene

Concen: 5.99 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050117.D

Acq: 27 Jul 2018 6:33

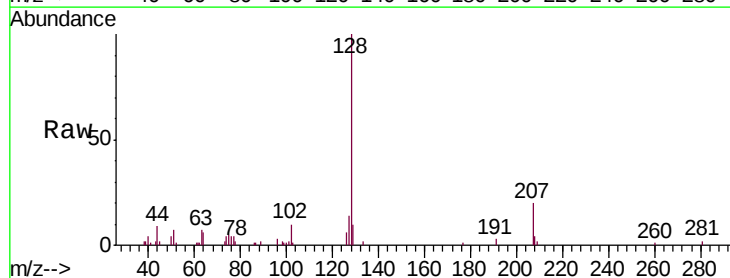
Tgt Ion: 128 Resp: 32227

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

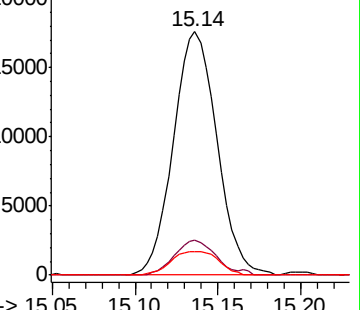
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): VN050117.D (-4120) (-)

Ion 127.00 (126.70 to 127.70): VN050117.D (-4120) (-)

Ion 129.00 (128.70 to 129.70): VN050117.D (-4120) (-)



Time--> 15.05 15.10 15.15 15.20

