

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050194.D
 Acq On : 30 Jul 2018 18:02
 Operator : MD\SY
 Sample : J4221-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A07

Quant Time: Jul 31 01:13:45 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	620577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1008411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	830923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295961	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	434130	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
35) Dibromofluoromethane	7.59	113	388735	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
50) Toluene-d8	10.09	98	1358570	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	
62) 4-Bromofluorobenzene	12.40	95	367623	36.88	ug/l	0.00
Spiked Amount			Recovery	=	73.76%	

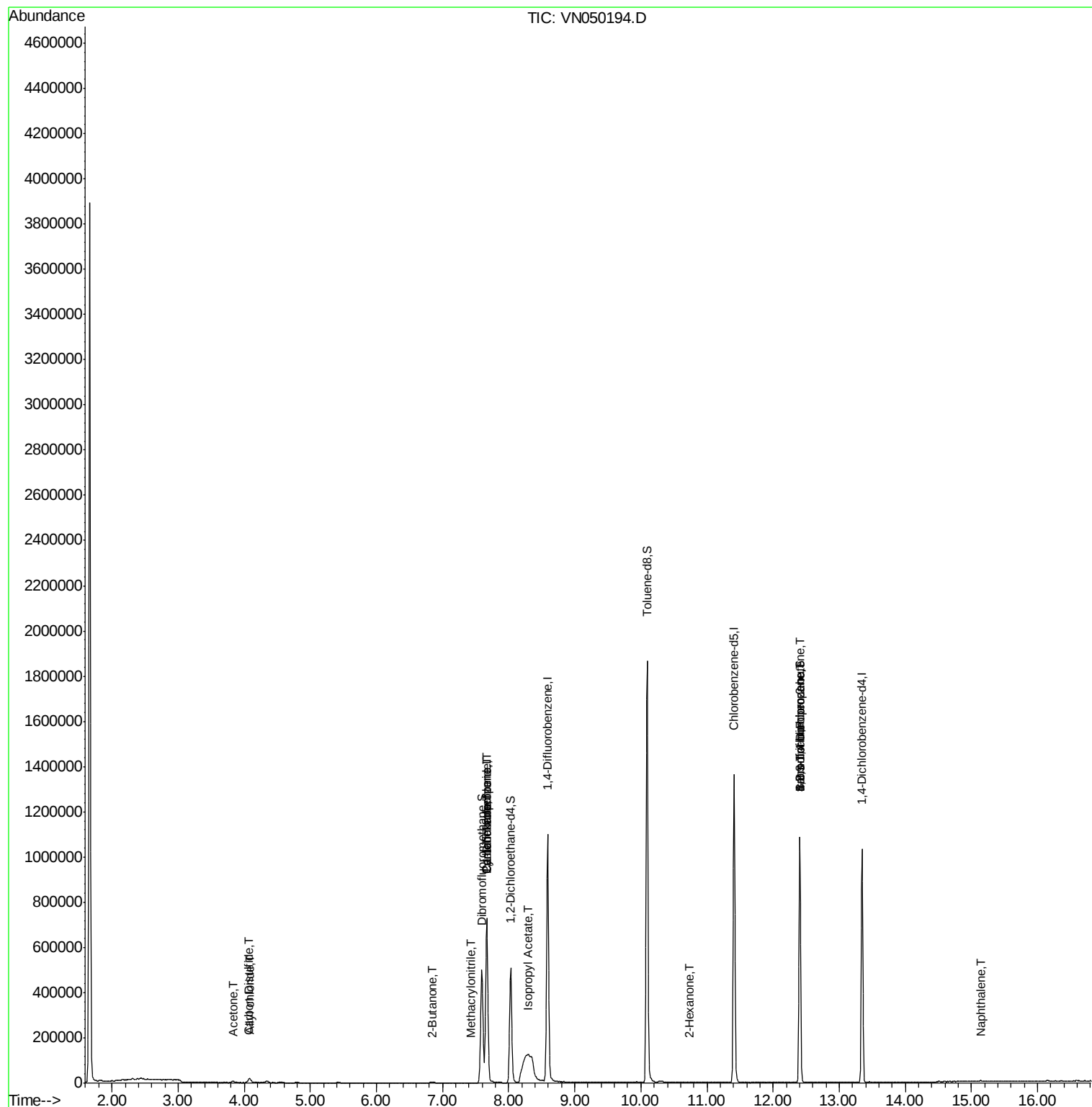
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	503	Below Cal	#	58
14) Allyl chloride	4.09	41	3328	0.30	ug/l #	64
16) Acetone	3.83	43	12071	1.60	ug/l	94
17) Carbon Disulfide	4.06	76	4845	0.22	ug/l #	93
20) Methylene Chloride	4.54	84	674	Below Cal	#	81
25) 2-Butanone	6.84	43	908	0.27	ug/l #	48
31) Cyclohexane	7.66	56	11453	0.89	ug/l #	3
36) 1,1-Dichloropropene	7.67	75	43542	3.83	ug/l #	48
38) Carbon Tetrachloride	7.67	117	54411	4.51	ug/l #	16
41) Methacrylonitrile	7.44	41	62	2.76	ug/l #	10
43) Isopropyl Acetate	8.28	43	242344	15.45	ug/l #	61
59) 2-Hexanone	10.74	43	178	5.20	ug/l #	46
71) Bromoform	12.41	173	3082	0.53	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	133	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	181178	32.94	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	181178	104.48	ug/l #	13
95) Naphthalene	15.14	128	3882	4.68	ug/l #	87

(#) = 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# 1890

Delta R.T. -0.00 min

Lab File: VN050194.D

Acq: 30 Jul 2018 18:02

Instrument :

MSVOA_N

ClientSampleId :

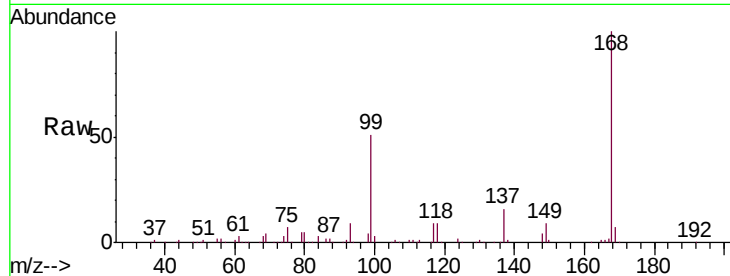
MW-A07

Tot Ion:168 Resp: 620577

Ion Ratio Lower Upper

168 100

99 51.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

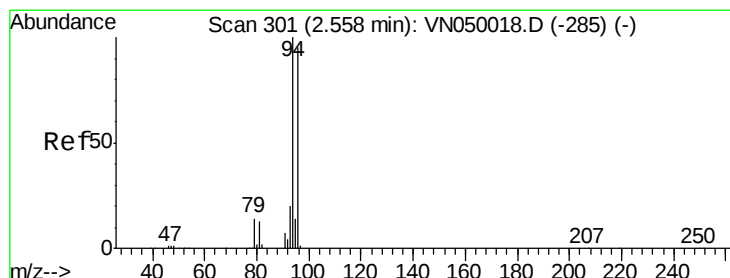
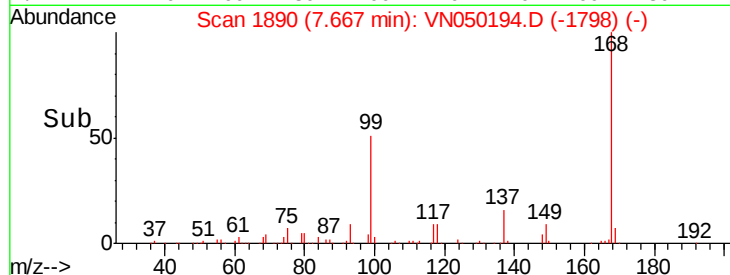
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.02 min

Lab File: VN050194.D

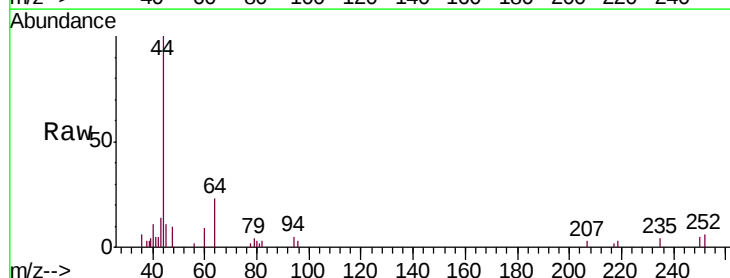
Acq: 30 Jul 2018 18:02

Tgt Ion: 94 Resp: 503

Ion Ratio Lower Upper

94 100

96 52.8 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.57

400

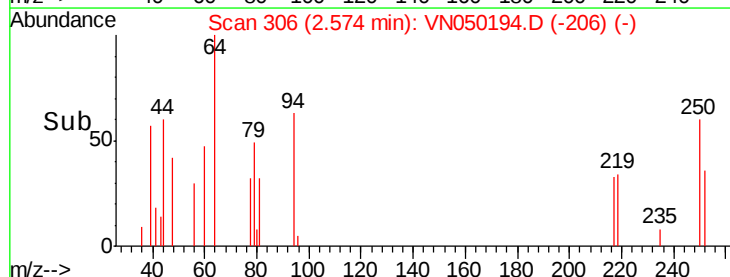
300

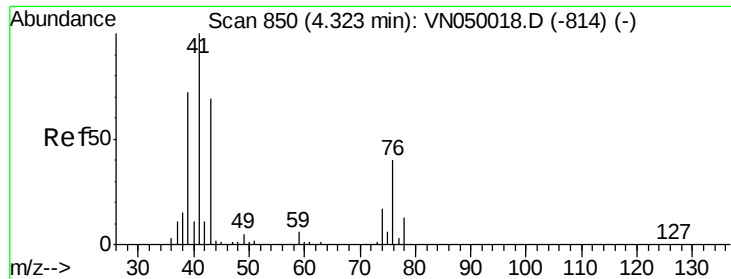
200

100

0

Time-->





#14

Allvl chloride

Concen: 0.30 ug/l

RT: 4.09 min Scan# 776

Delta R.T. -0.24 min

Lab File: VN050194.D

Acq: 30 Jul 2018 18:02

Instrument :

MSVOA_N

ClientSampleId :

MW-A07

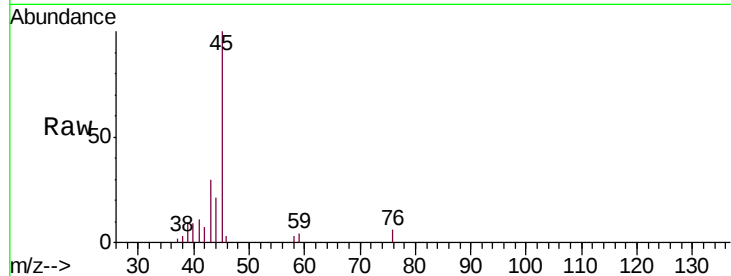
Tot Ion: 41 Resp: 3328

Ion Ratio Lower Upper

41 100

39 86.0 54.2 81.4#

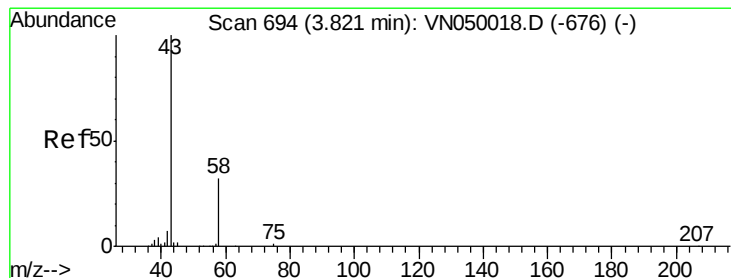
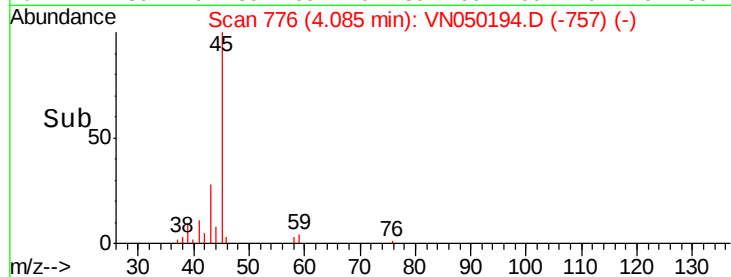
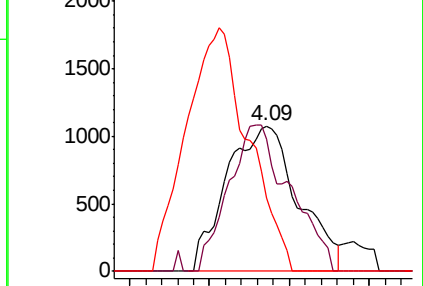
76 0.0 29.0 43.6#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 1.60 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050194.D

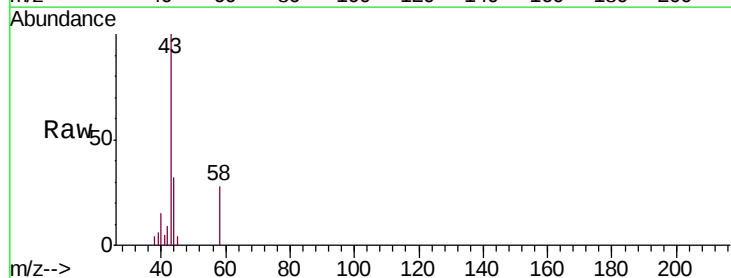
Acq: 30 Jul 2018 18:02

Tgt Ion: 43 Resp: 12071

Ion Ratio Lower Upper

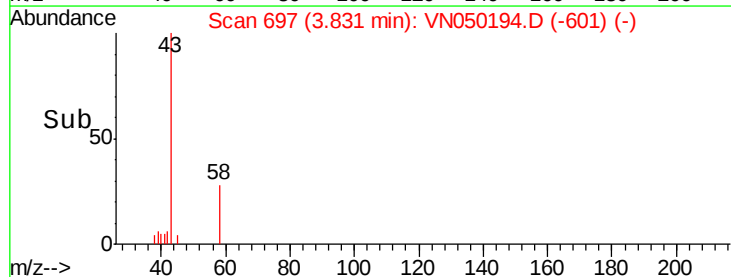
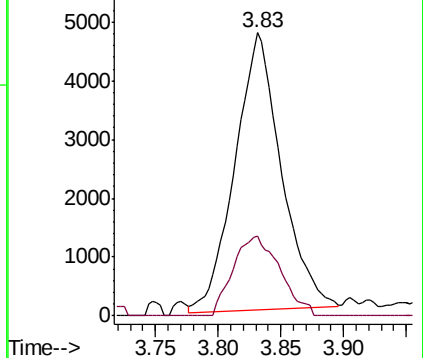
43 100

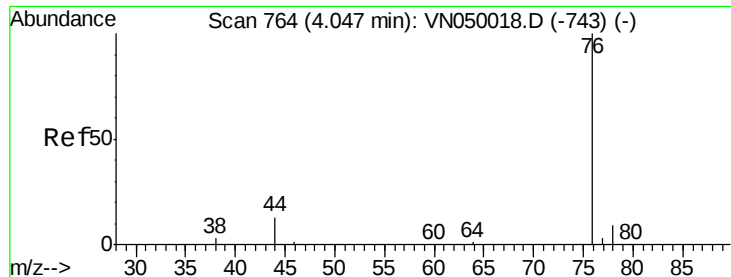
58 29.1 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

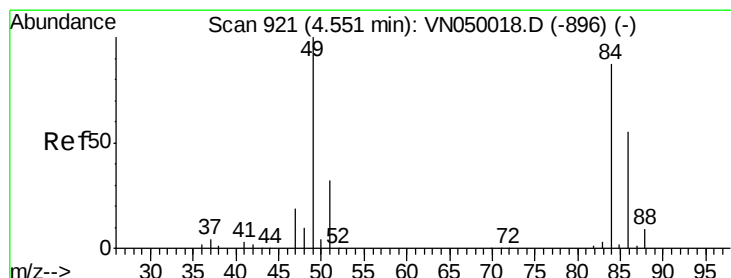
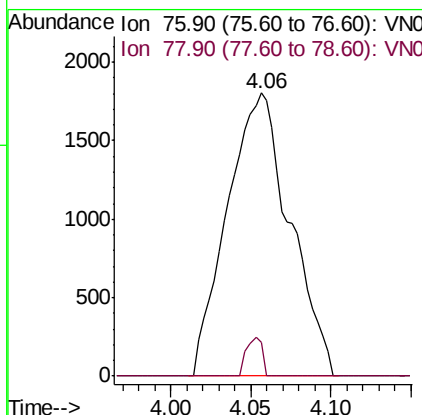
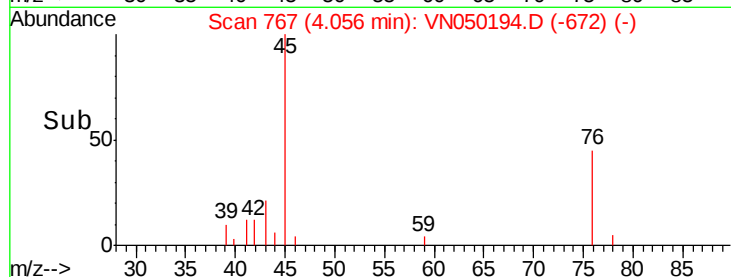
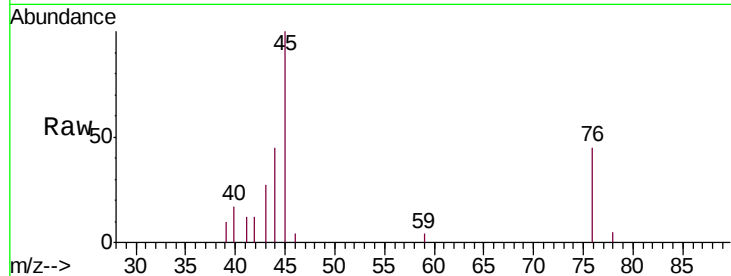




#17
Carbon Disulfide
Concen: 0.22 ug/l
RT: 4.06 min Scan# 767
Delta R.T. 0.01 min
Lab File: VN050194.D
Acq: 30 Jul 2018 18:02

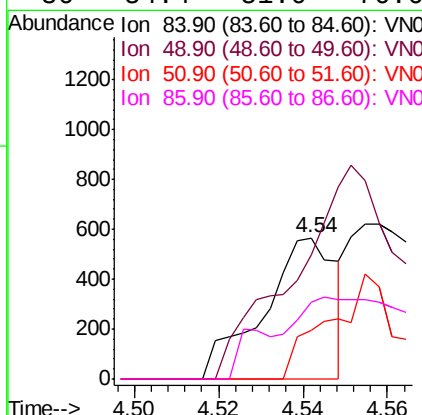
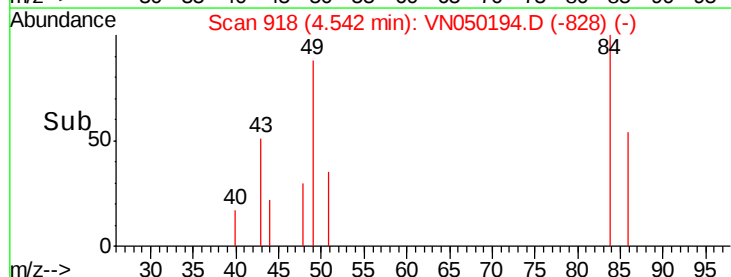
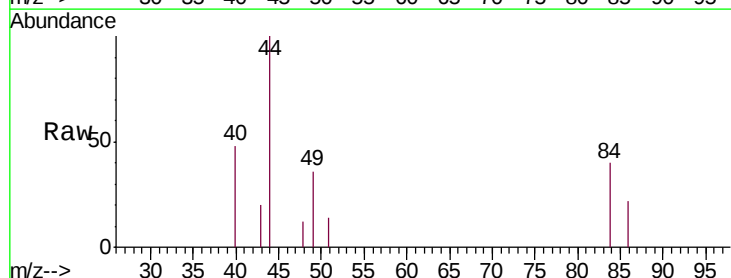
Instrument :
MSVOA_N
ClientSampleId :
MW-A07

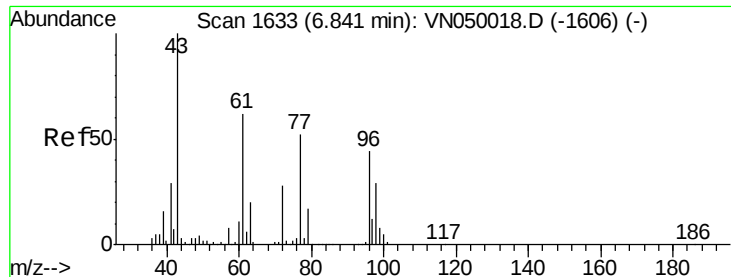
Tot Ion: 76 Resp: 4845
Ion Ratio Lower Upper
76 100
78 11.8 7.3 10.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN050194.D
Acq: 30 Jul 2018 18:02

Tgt Ion: 84 Resp: 674
Ion Ratio Lower Upper
84 100
49 87.8 94.8 142.2#
51 34.6 28.3 42.5
86 54.4 51.0 76.6

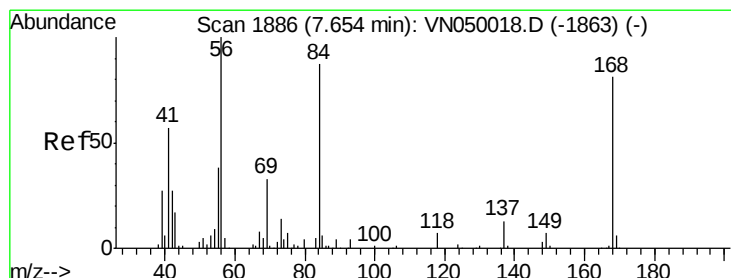
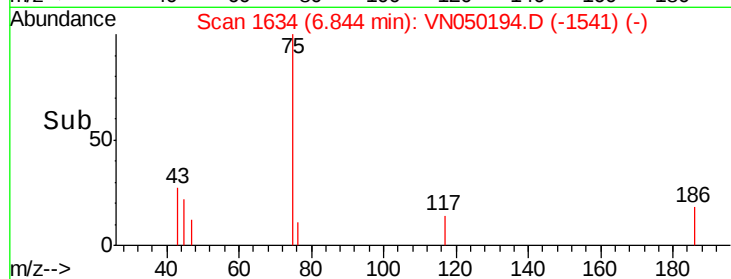
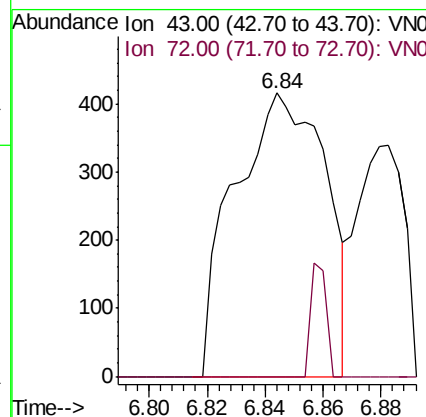
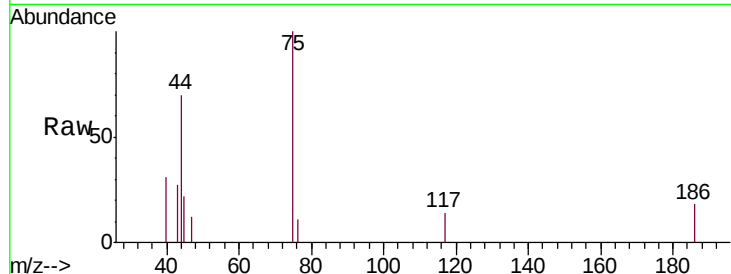




#25
2-Butanone
Concen: 0.27 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050194.D
Acq: 30 Jul 2018 18:02

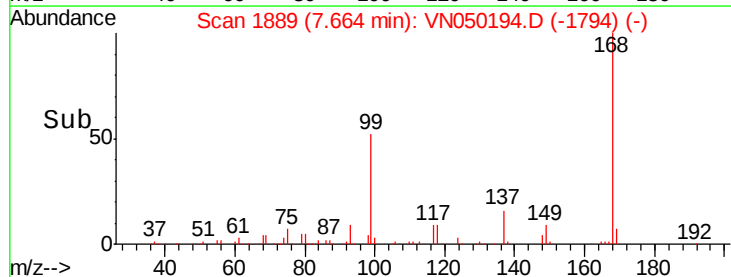
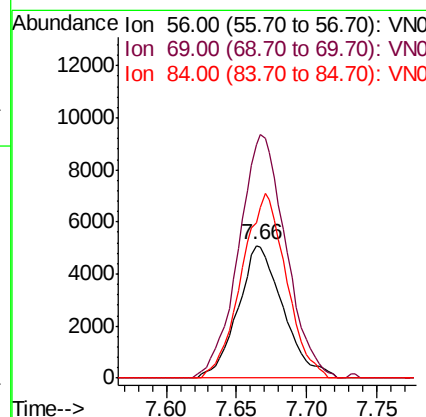
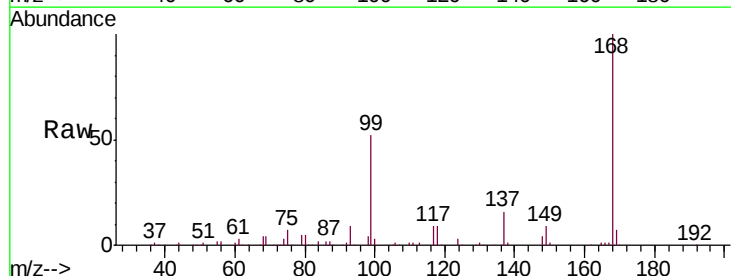
Instrument :
MSVOA_N
ClientSampleId :
MW-A07

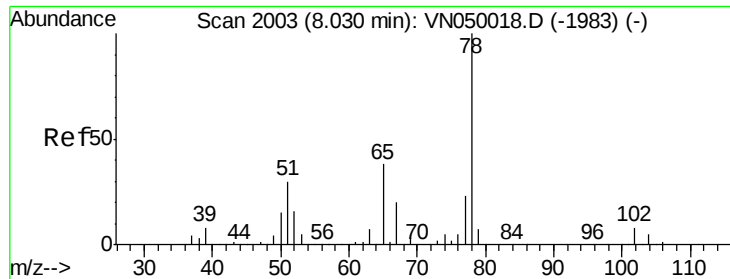
Tot Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#



#31
Cyclohexane
Concen: 0.89 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050194.D
Acq: 30 Jul 2018 18:02

Tgt Ion: 56 Resp: 11453
Ion Ratio Lower Upper
56 100
69 175.8 26.2 39.4#
84 117.1 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 50.14 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050194.D

Acq: 30 Jul 2018 18:02

Instrument :

MSVOA_N

ClientSampleId :

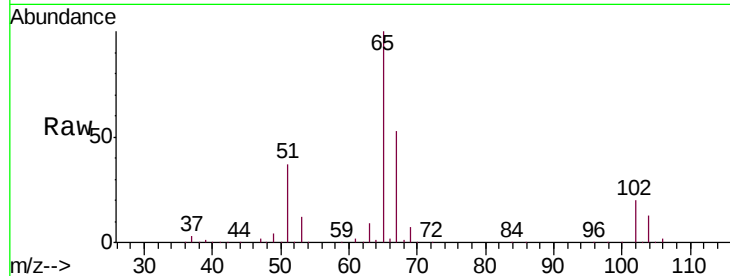
MW-A07

Tot Ion: 65 Resp: 434130

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

200000

150000

100000

50000

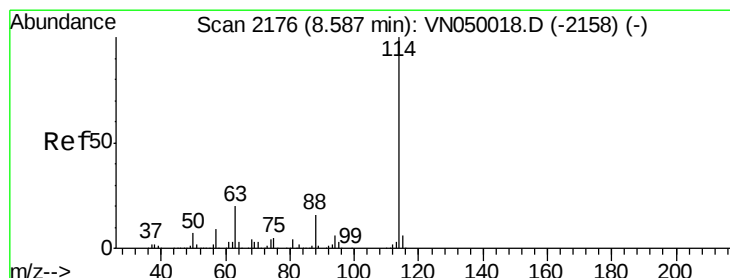
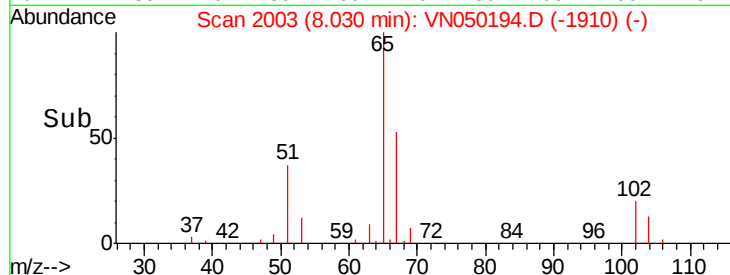
0

7.90

8.00

8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050194.D

Acq: 30 Jul 2018 18:02

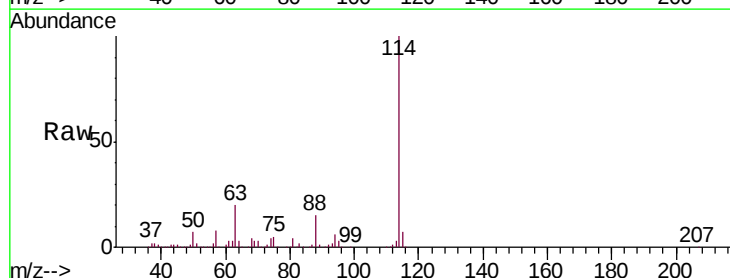
Tgt Ion: 114 Resp: 1008411

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 15.4 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

8.59

600000

500000

400000

300000

200000

100000

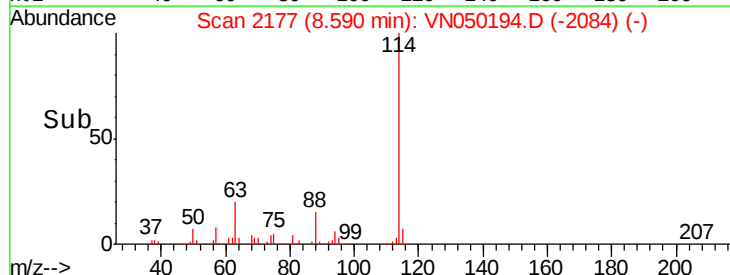
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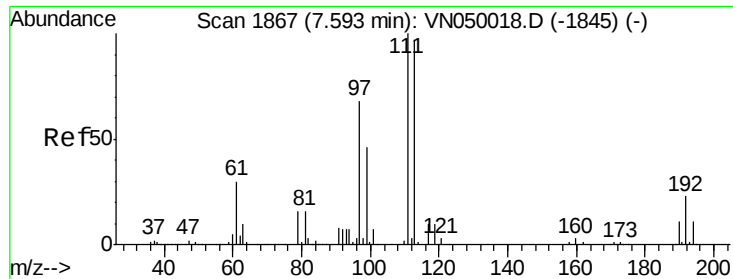
8.50

8.60

8.70

Time-->

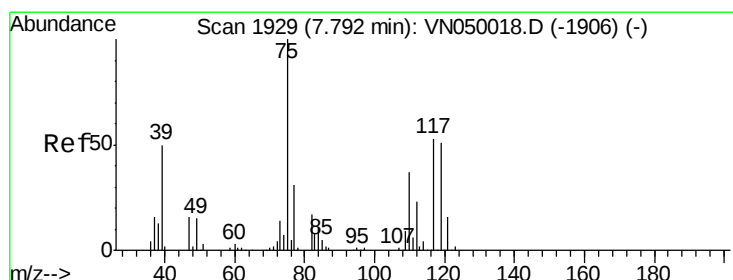
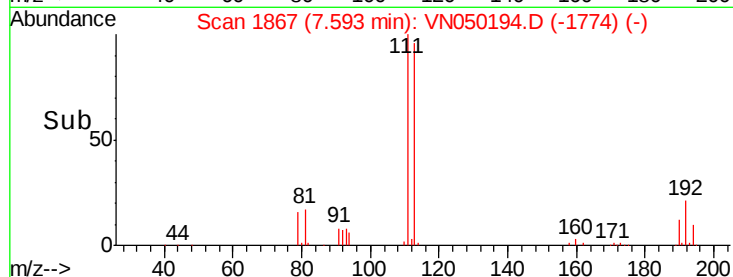
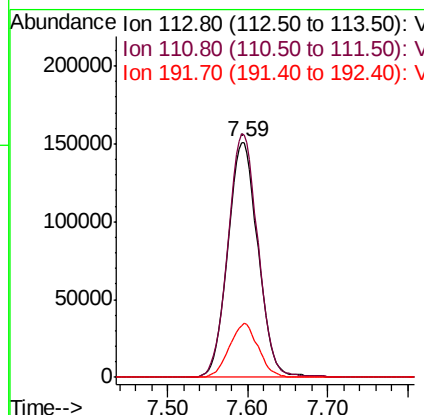
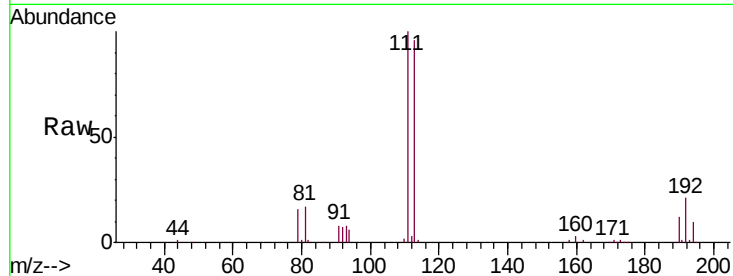




#35
 Dibromofluoromethane
 Concen: 47.21 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050194.D
 Acq: 30 Jul 2018 18:02

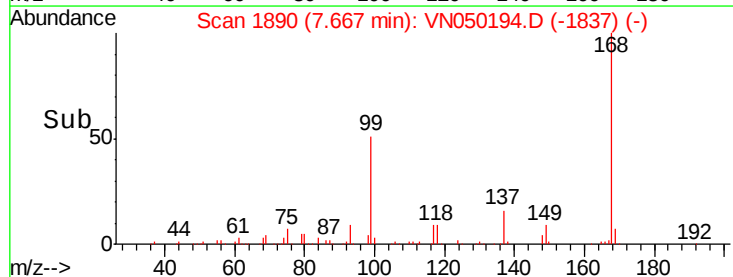
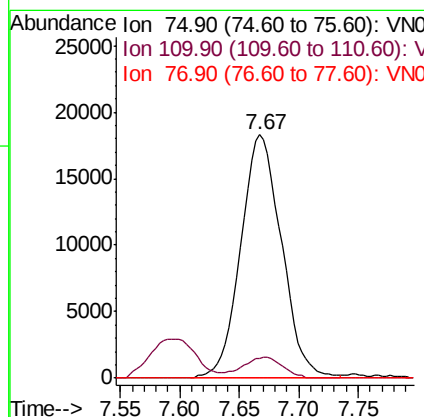
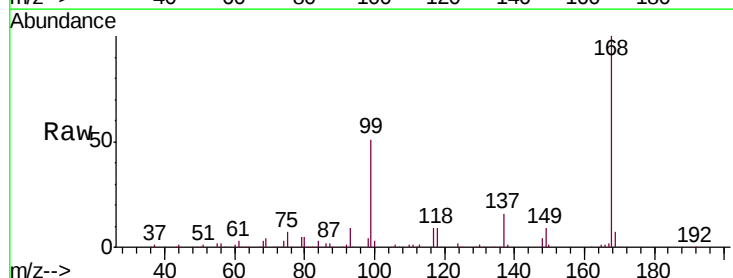
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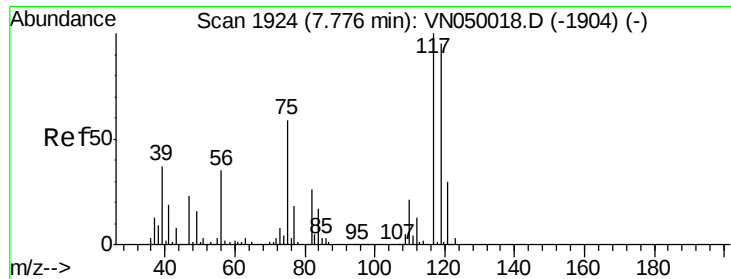
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.7	121.1
192	22.0	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.83 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050194.D
 Acq: 30 Jul 2018 18:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.4	55.2#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 4.51 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050194.D

Acq: 30 Jul 2018 18:02

Instrument :

MSVOA_N

ClientSampleId :

MW-A07

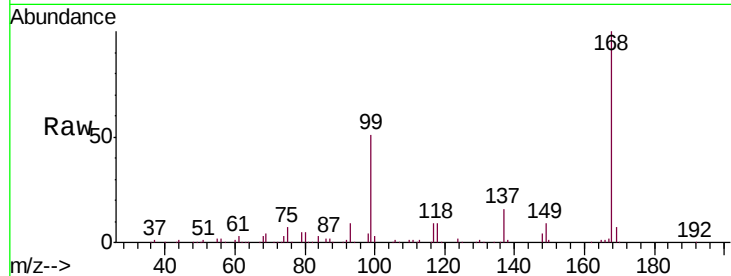
Tot Ion:117 Resp: 54411

Ion Ratio Lower Upper

117 100

119 5.1 77.4 116.0#

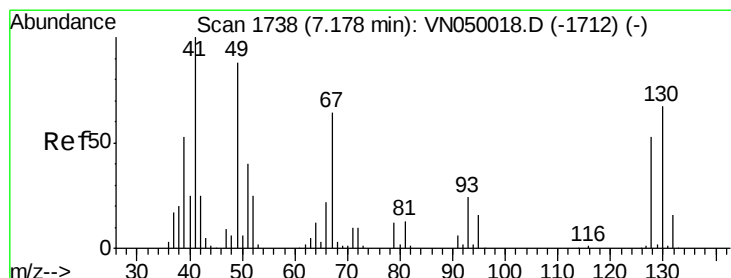
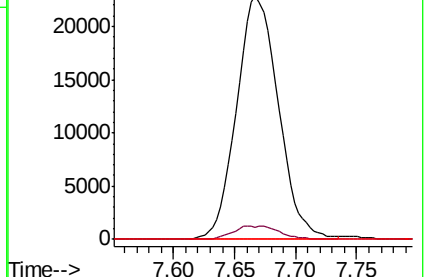
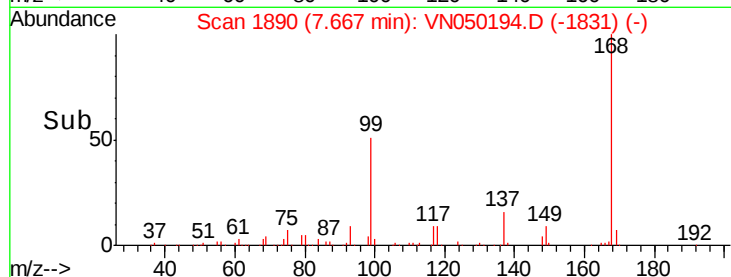
121 0.0 23.9 35.9#



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



#41

Methacrylonitrile

Concen: 2.76 ug/l

RT: 7.44 min Scan# 1818

Delta R.T. 0.26 min

Lab File: VN050194.D

Acq: 30 Jul 2018 18:02

Tgt Ion: 41 Resp: 62

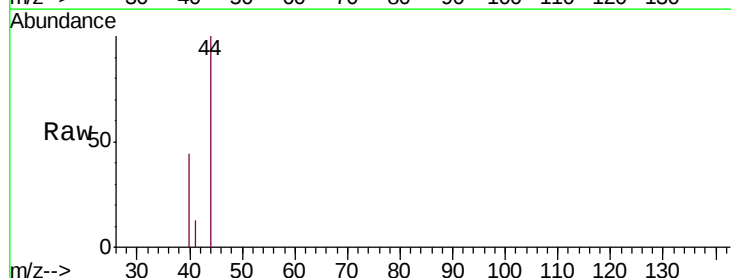
Ion Ratio Lower Upper

41 100

39 0.0 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

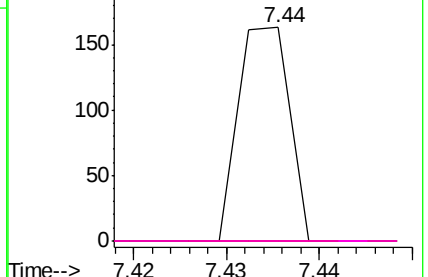
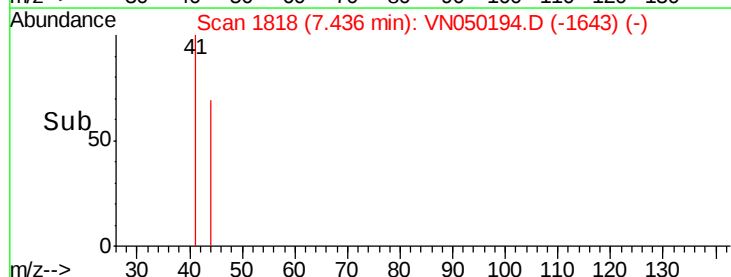


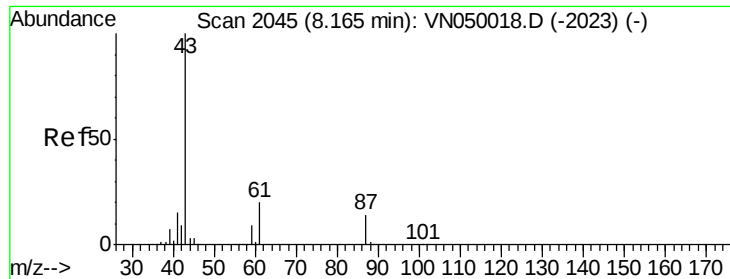
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



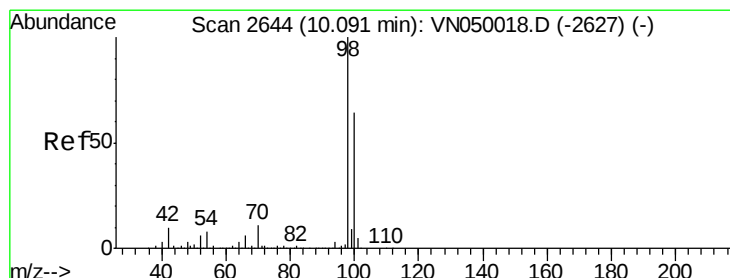
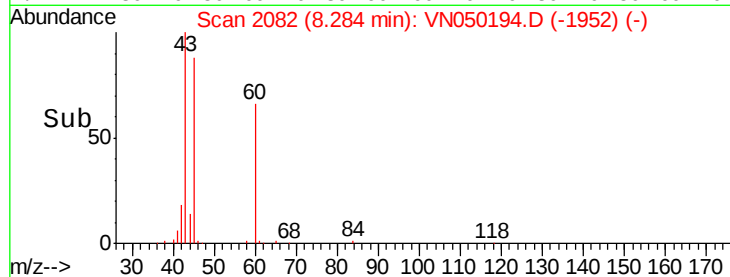
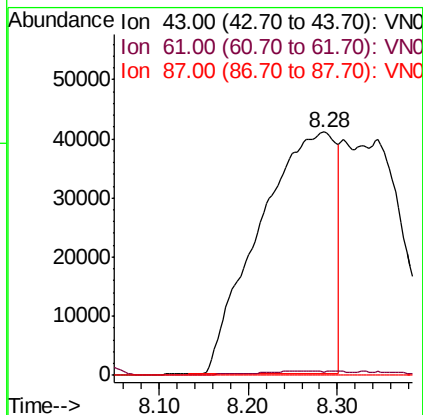
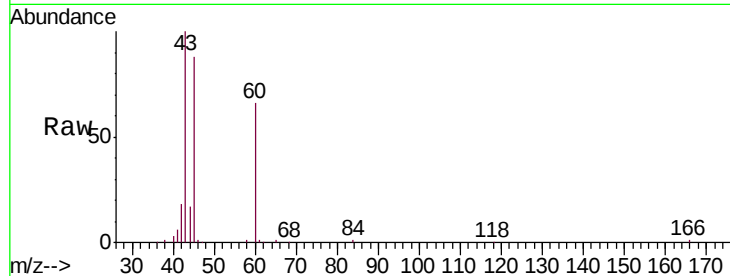


#43

Isopropyl Acetate
 Concen: 15.45 ug/l
 RT: 8.28 min Scan# 2082
 Delta R.T. 0.12 min
 Lab File: VN050194.D
 Acq: 30 Jul 2018 18:02

Instrument :
 MSVOA_N
 ClientSampled :
 MW-A07

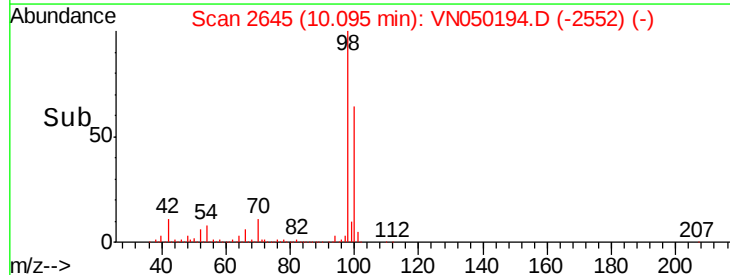
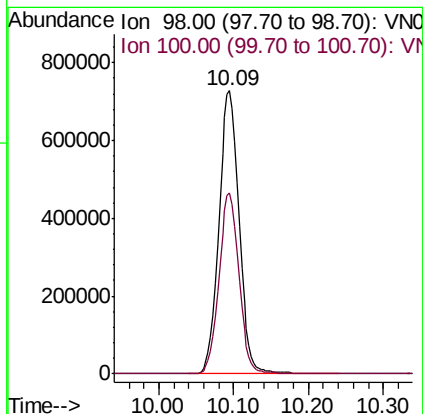
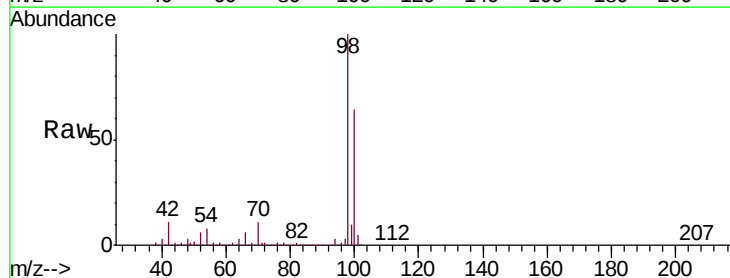
Tot Ion: 43 Resp: 242344
 Ion Ratio Lower Upper
 43 100
 61 0.0 15.8 23.6#
 87 0.0 10.3 15.5#

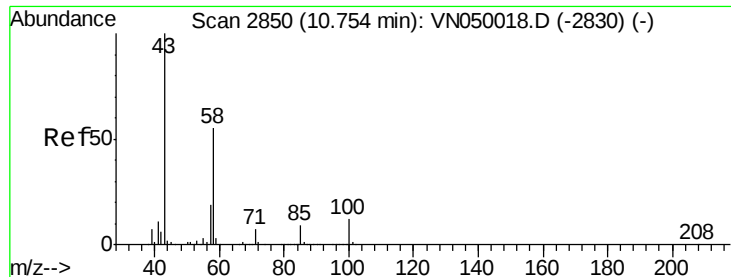


#50

Toluene-d8
 Concen: 44.88 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN050194.D
 Acq: 30 Jul 2018 18:02

Tgt Ion: 98 Resp: 1358570
 Ion Ratio Lower Upper
 98 100
 100 63.5 50.7 76.1

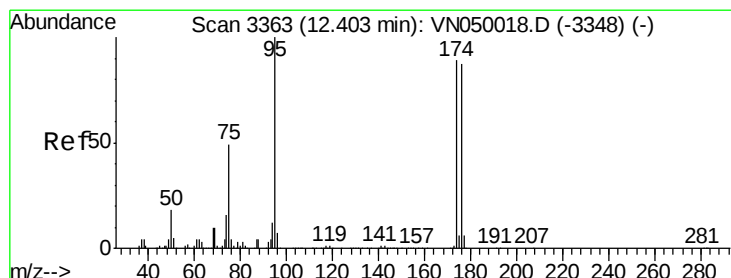
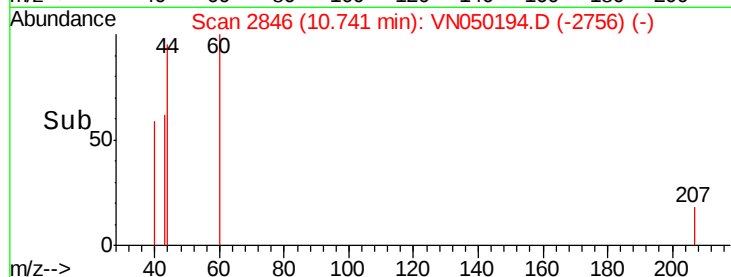
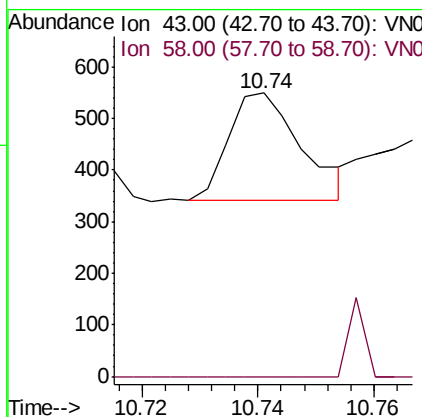
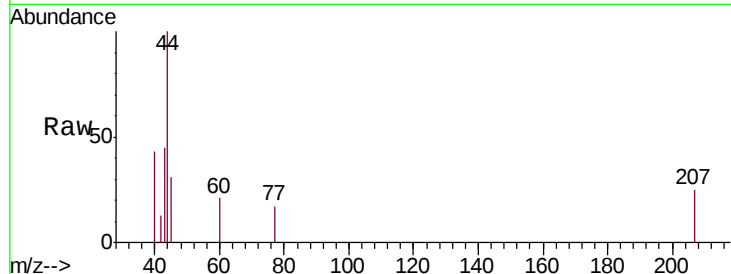




#59
2-Hexanone
Concen: 5.20 ug/l
RT: 10.74 min Scan# 2846
Delta R.T. -0.01 min
Lab File: VN050194.D
Acq: 30 Jul 2018 18:02

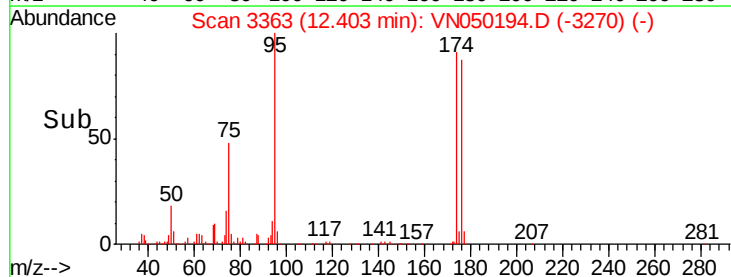
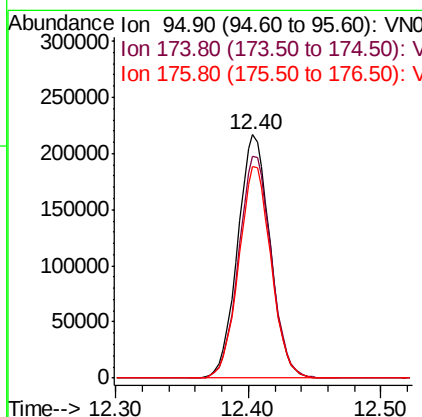
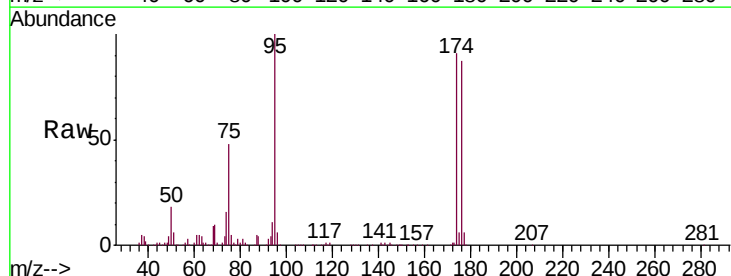
Instrument :
MSVOA_N
ClientSampleId :
MW-A07

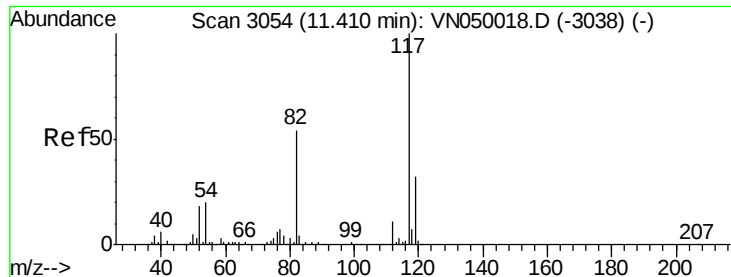
Tot Ion: 43 Resp: 178
Ion Ratio Lower Upper
43 100
58 16.3 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 36.88 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050194.D
Acq: 30 Jul 2018 18:02

Tgt Ion: 95 Resp: 367623
Ion Ratio Lower Upper
95 100
174 92.0 0.0 178.2
176 86.6 0.0 173.4

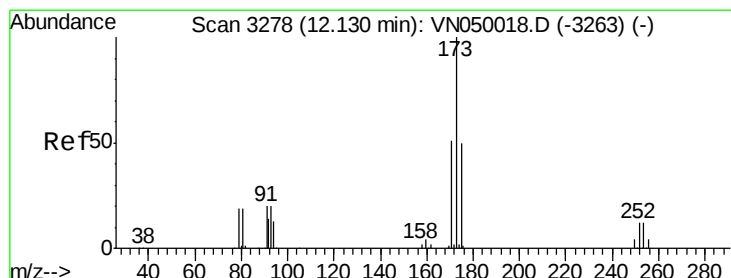
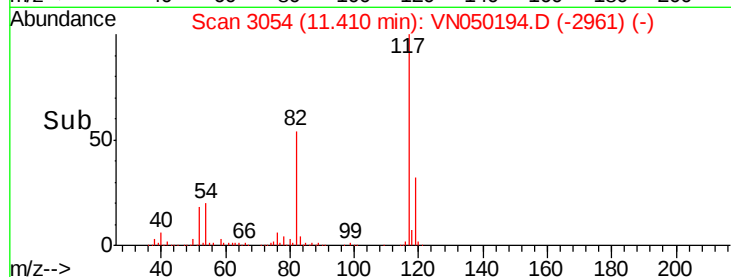
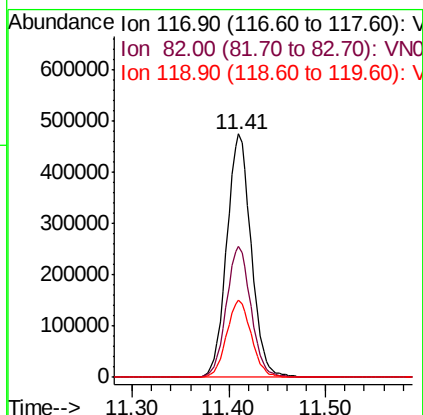
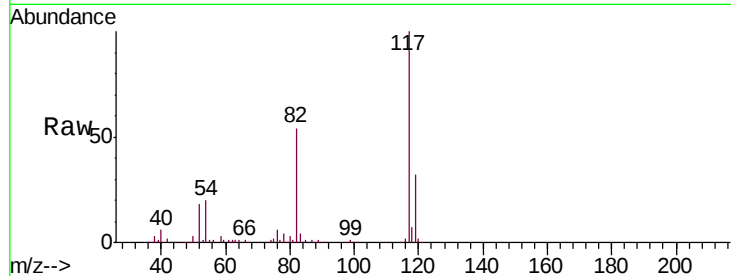




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050194.D
Acq: 30 Jul 2018 18:02

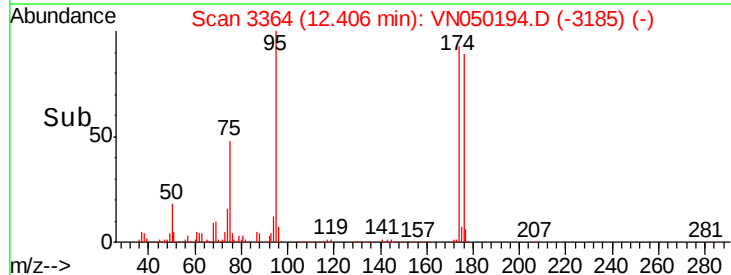
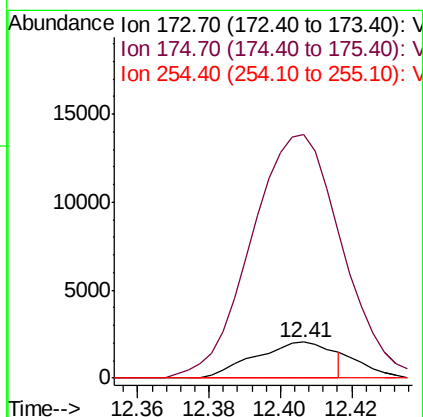
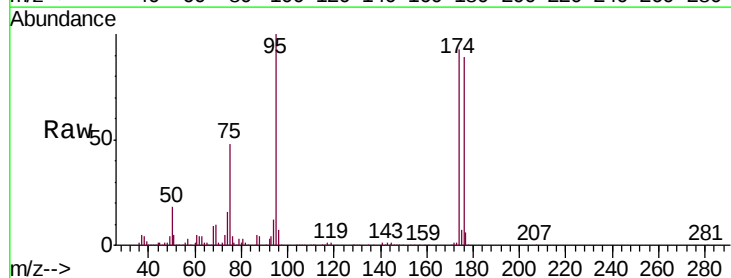
Instrument :
MSVOA_N
ClientSampled :
MW-A07

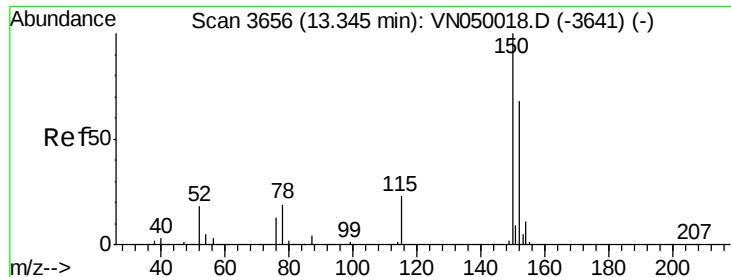
Tot Ion:117 Resp: 830923
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 31.6 26.1 39.1



#71
Bromoform
Concen: 0.53 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050194.D
Acq: 30 Jul 2018 18:02

Tgt Ion:173 Resp: 3082
Ion Ratio Lower Upper
173 100
175 688.2 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: VN050194.D

Acq: 30 Jul 2018 18:02

Instrument :

MSVOA_N

ClientSampleId :

MW-A07

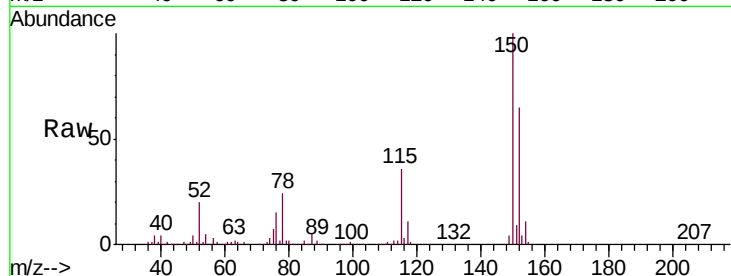
Tot Ion:152 Resp: 295961

Ion Ratio Lower Upper

152 100

115 56.3 27.8 83.3

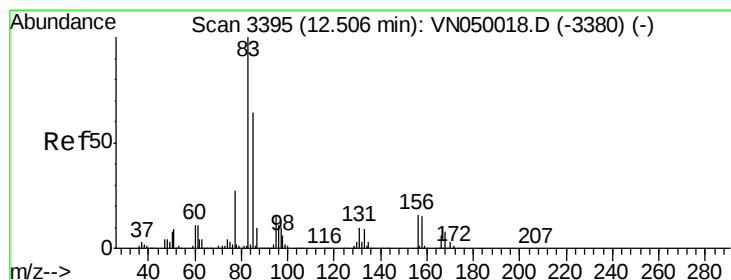
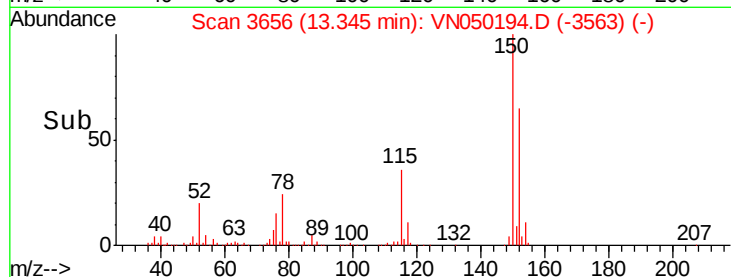
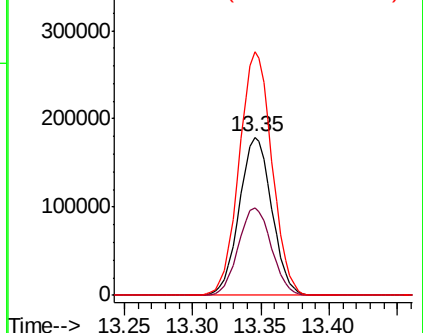
150 155.1 0.0 348.6



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. -0.10 min

Lab File: VN050194.D

Acq: 30 Jul 2018 18:02

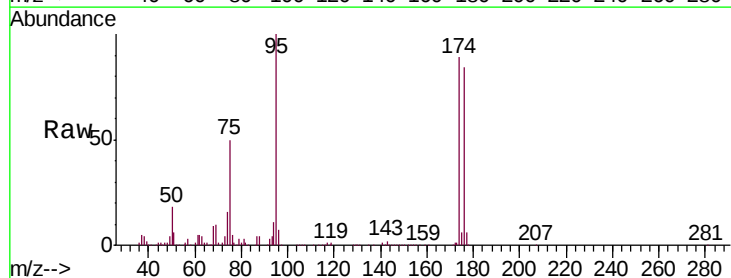
Tgt Ion: 83 Resp: 133

Ion Ratio Lower Upper

83 100

131 354.9 5.1 15.3#

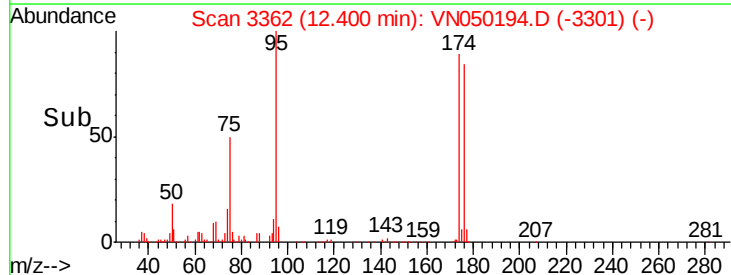
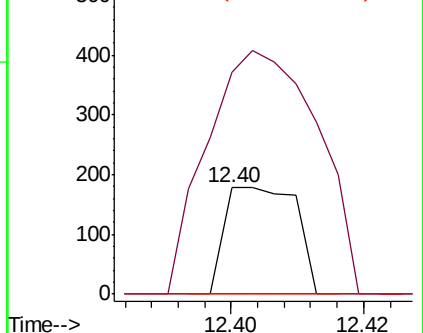
85 0.0 32.3 96.8#

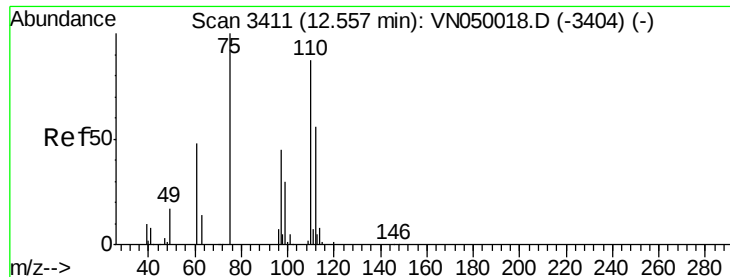


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 32.94 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050194.D

Acq: 30 Jul 2018 18:02

Instrument :

MSVOA_N

ClientSampleId :

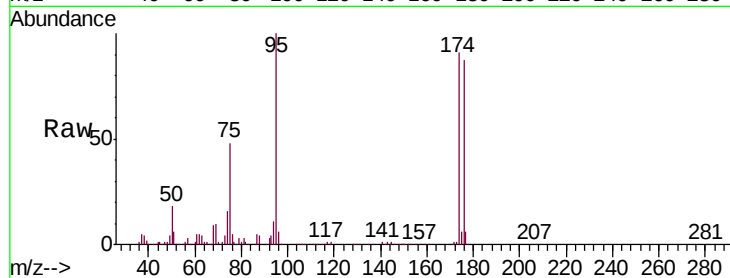
MW-A07

Tot Ion: 75 Resp: 181178

Ion Ratio Lower Upper

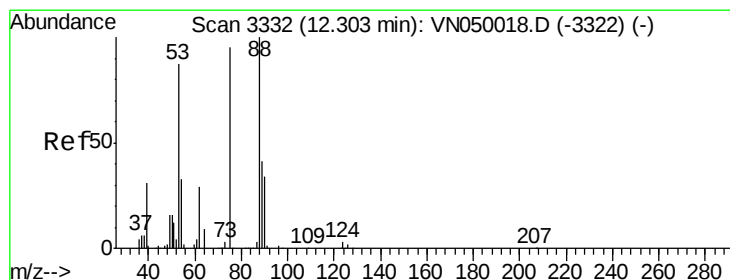
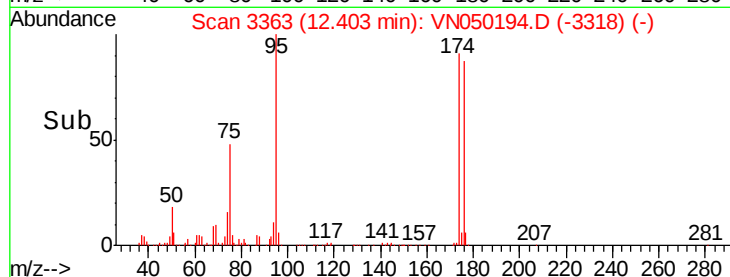
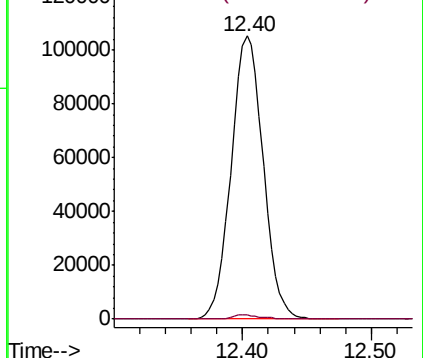
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 104.48 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050194.D

Acq: 30 Jul 2018 18:02

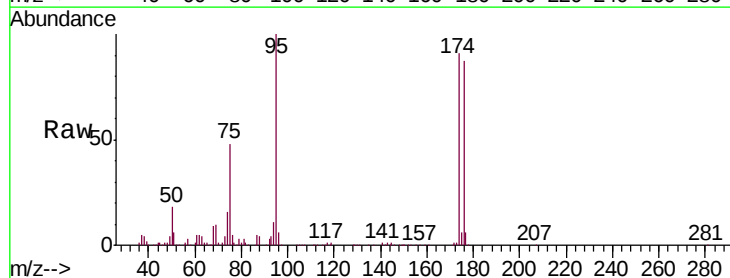
Tgt Ion: 75 Resp: 181178

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

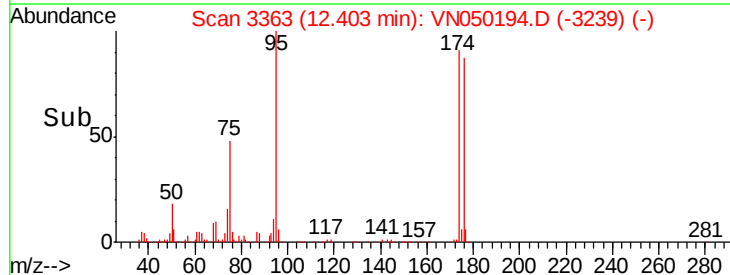
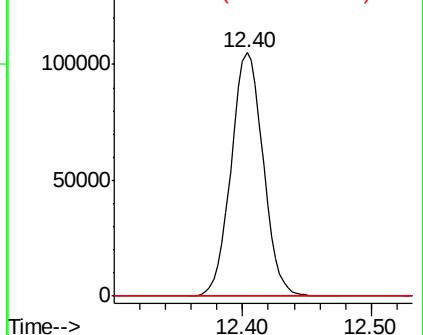
89 0.0 36.0 54.0#

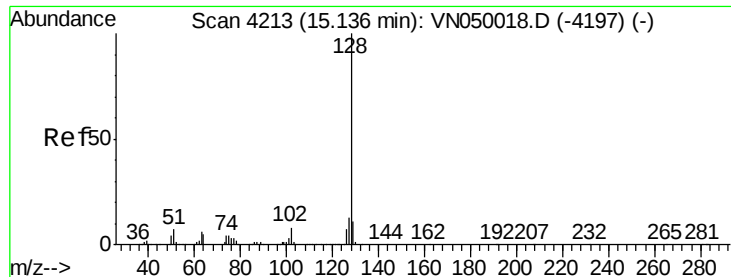


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95
Naphthalene
Concen: 4.68 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050194.D
Acq: 30 Jul 2018 18:02

Instrument :
MSVOA_N
ClientSampleId :
MW-A07

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.4	10.4	15.6#
129	4.3	8.8	13.2#

