

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050407.D
 Acq On : 7 Aug 2018 1:48
 Operator : MD\SY
 Sample : J4355-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-WATER

Quant Time: Aug 07 07:13:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	647508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1043722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	860997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	459887	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
35) Dibromofluoromethane	7.59	113	409228	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.09	98	1440210	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
62) 4-Bromofluorobenzene	12.40	95	369943	34.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.94%	

Target Compounds

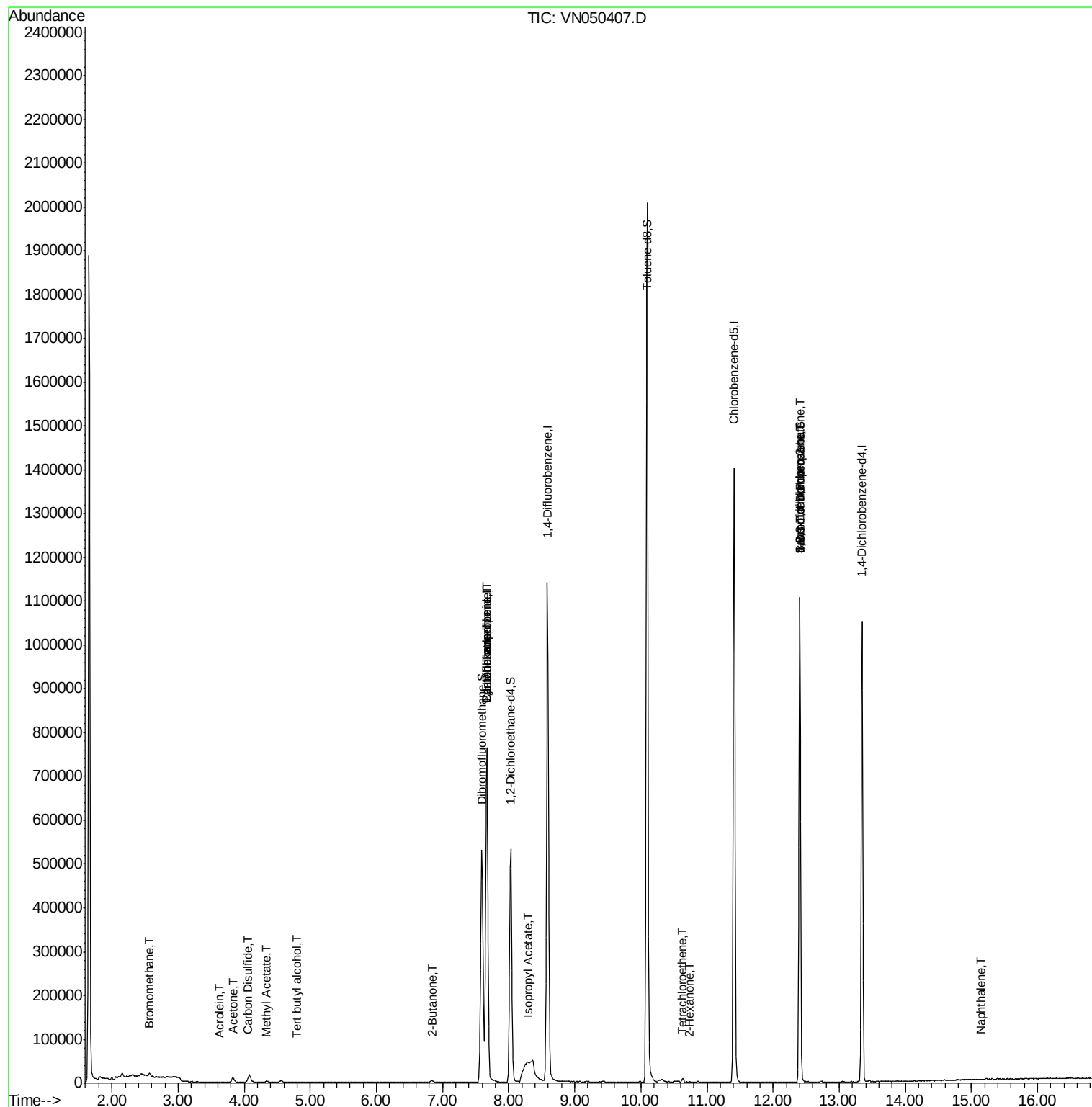
						Qvalue
3) Chloromethane	2.05	50	3914	Below Cal	#	87
5) Bromomethane	2.57	94	4994	1.27	ug/l	93
11) Tert butyl alcohol	4.79	59	558	0.80	ug/l #	72
13) Acrolein	3.62	56	208	15.25	ug/l #	60
16) Acetone	3.83	43	19560	7.23	ug/l	98
17) Carbon Disulfide	4.05	76	4748	0.21	ug/l	99
18) Methyl Acetate	4.34	43	4863	0.53	ug/l #	80
20) Methylene Chloride	4.56	84	2356	Below Cal		91
25) 2-Butanone	6.86	43	2064	0.48	ug/l #	48
31) Cyclohexane	7.66	56	12236	0.36	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46751	4.08	ug/l #	48
38) Carbon Tetrachloride	7.67	117	59999	5.02	ug/l #	16
43) Isopropyl Acetate	8.28	43	74658	5.24	ug/l #	62
59) 2-Hexanone	10.73	43	1982	0.28	ug/l #	24
64) Tetrachloroethene	10.63	164	2012	0.25	ug/l	85
71) Bromoform	12.40	173	3543	0.62	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	180525	33.71	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	180525	118.42	ug/l #	13
95) Naphthalene	15.14	128	1201	3.70	ug/l #	69

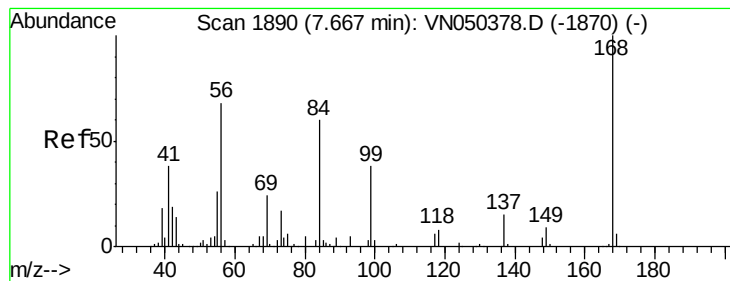
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
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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: VN050407.D

Acq: 7 Aug 2018 1:48

Instrument :

MSVOA_N

ClientSampleId :

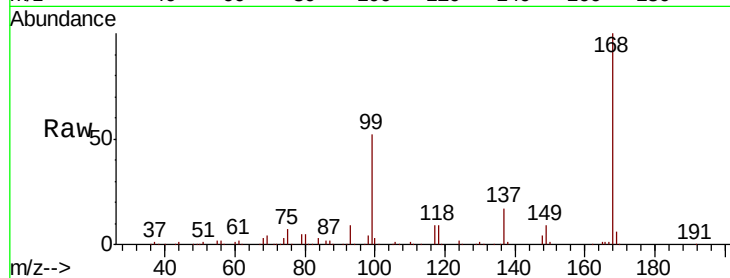
WC-WATER

Tot Ion:168 Resp: 647508

Ion Ratio Lower Upper

168 100

99 51.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1870) (-)

7.67

250000

200000

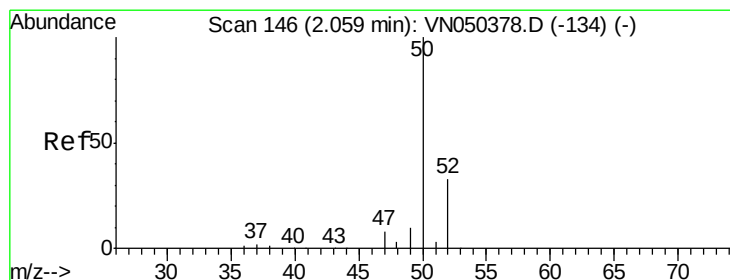
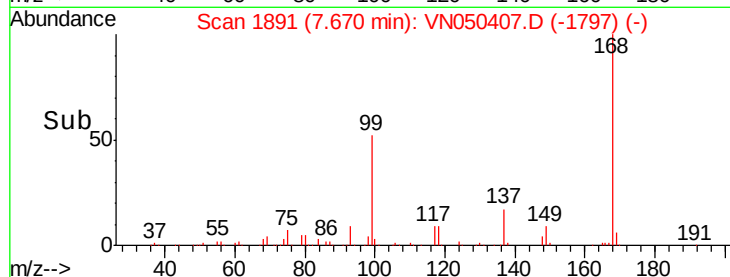
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.05 min Scan# 144

Delta R.T. -0.01 min

Lab File: VN050407.D

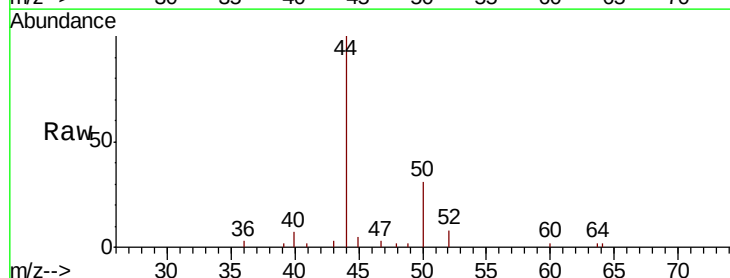
Acq: 7 Aug 2018 1:48

Tgt Ion: 50 Resp: 3914

Ion Ratio Lower Upper

50 100

52 24.8 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN050378.D (-134) (-)

Ion 51.90 (51.60 to 52.60): VN050378.D (-134) (-)

2.05

3000

2500

2000

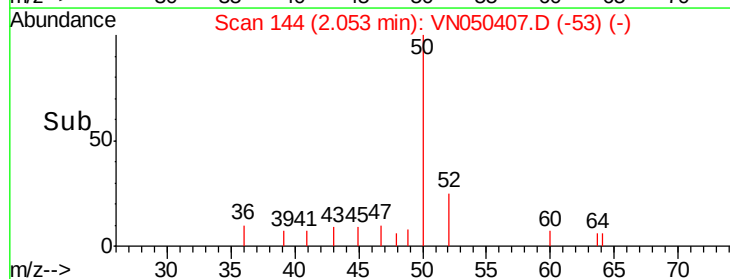
1500

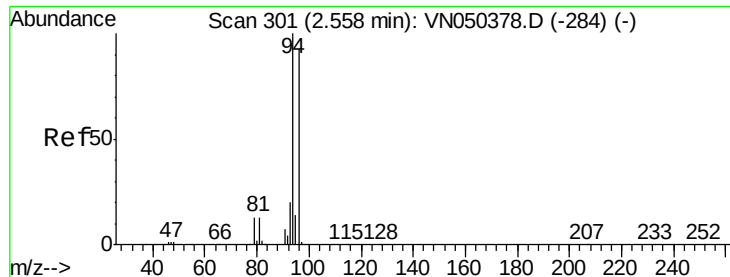
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.27 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050407.D

Acq: 7 Aug 2018 1:48

Instrument :

MSVOA_N

ClientSampled :

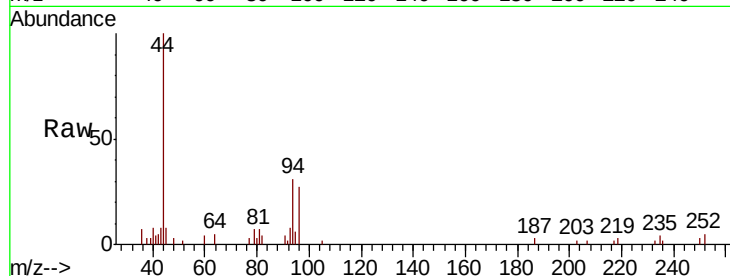
WC-WATER

Tot Ion: 94 Resp: 4994

Ion Ratio Lower Upper

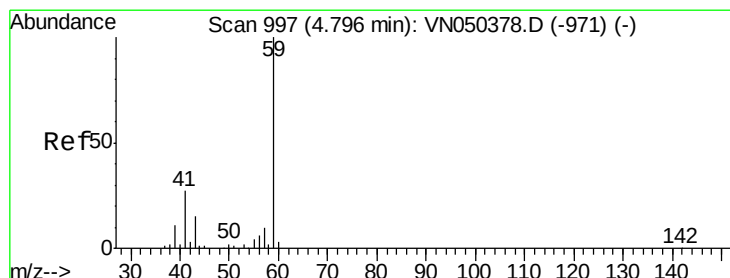
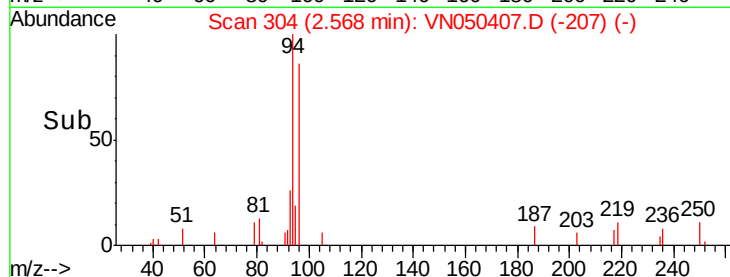
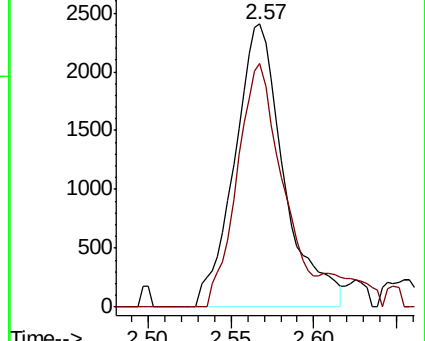
94 100

96 86.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.80 ug/l

RT: 4.79 min Scan# 995

Delta R.T. -0.01 min

Lab File: VN050407.D

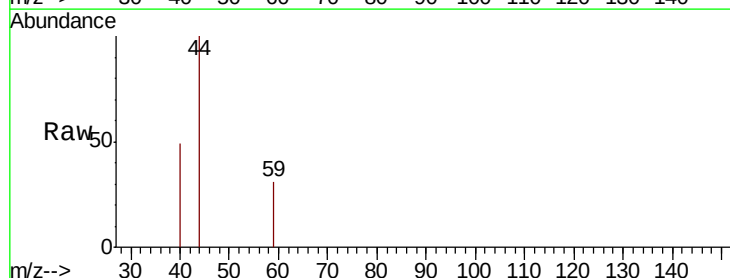
Acq: 7 Aug 2018 1:48

Tgt Ion: 59 Resp: 558

Ion Ratio Lower Upper

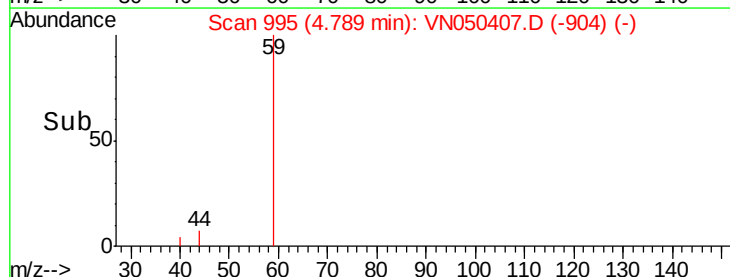
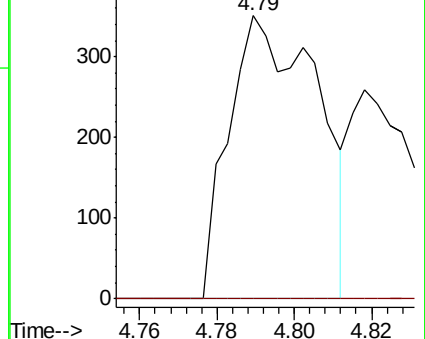
59 100

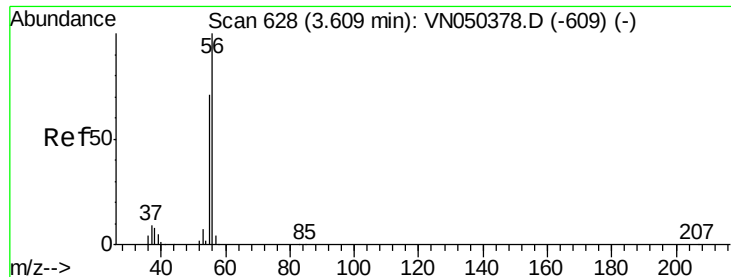
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 15.25 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN050407.D

Acq: 7 Aug 2018 1:48

Instrument :

MSVOA_N

ClientSampled :

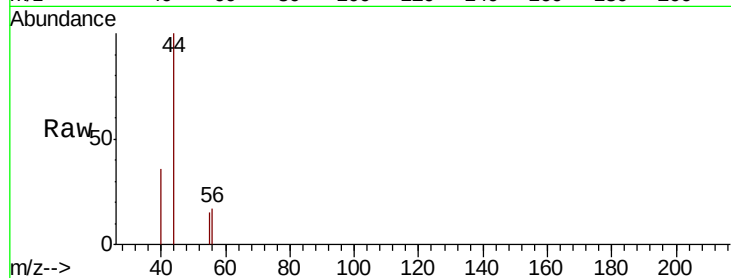
WC-WATER

Tot Ion: 56 Resp: 208

Ion Ratio Lower Upper

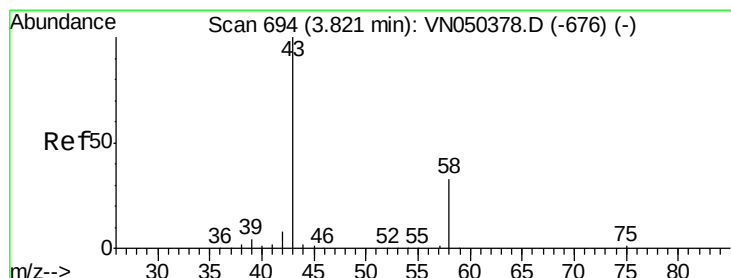
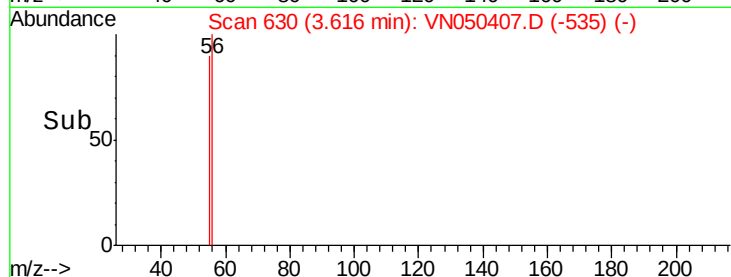
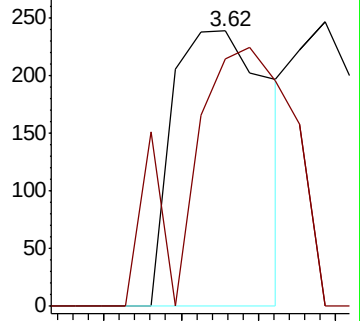
56 100

55 102.4 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 7.23 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050407.D

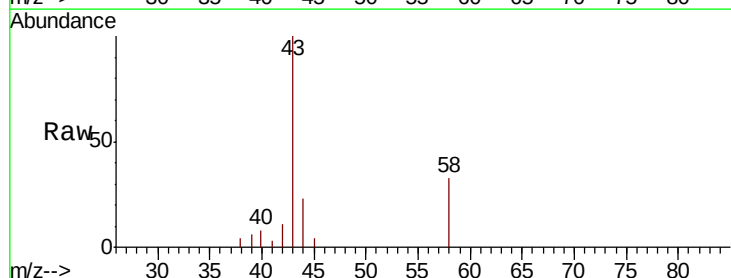
Acq: 7 Aug 2018 1:48

Tgt Ion: 43 Resp: 19560

Ion Ratio Lower Upper

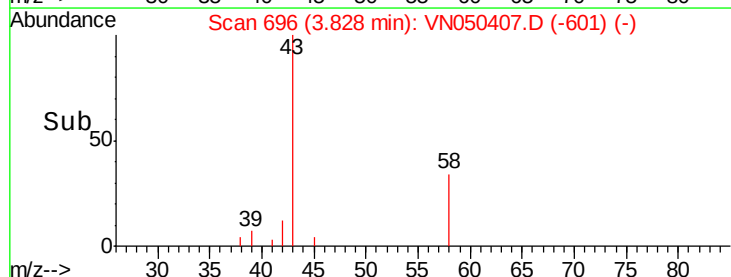
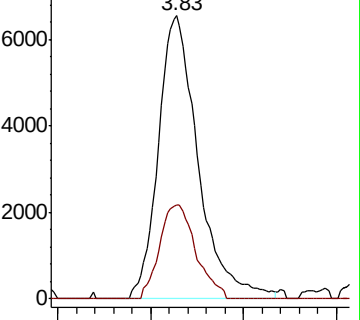
43 100

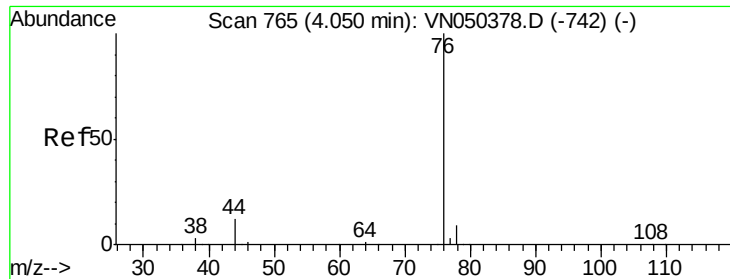
58 33.2 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

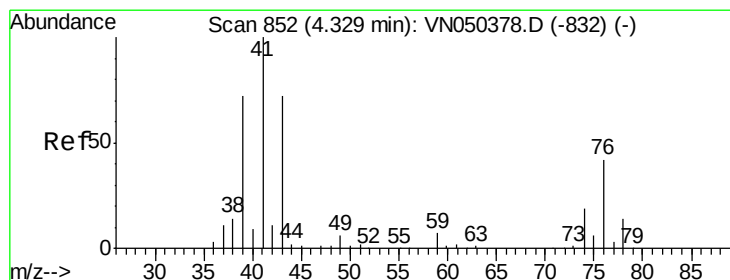
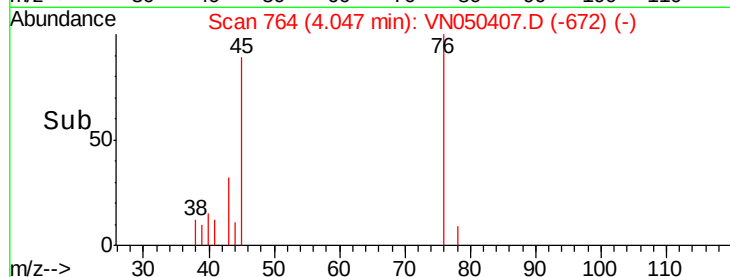
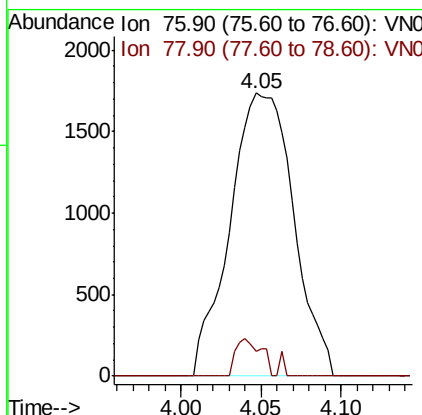
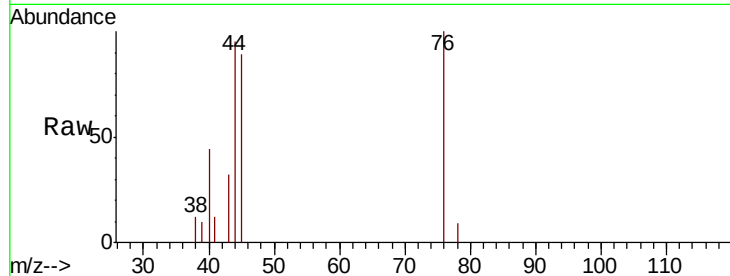




#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050407.D
Acq: 7 Aug 2018 1:48

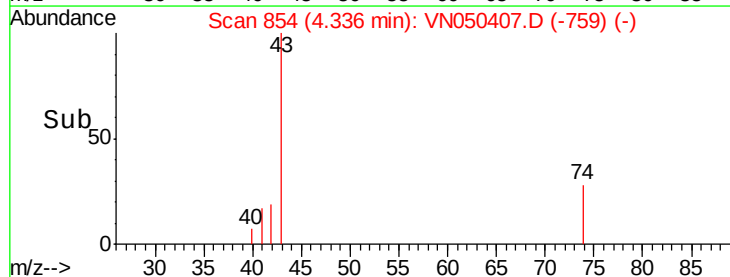
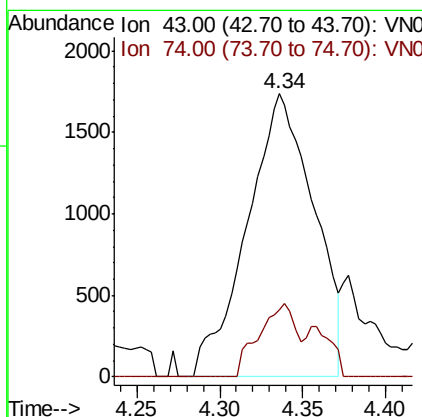
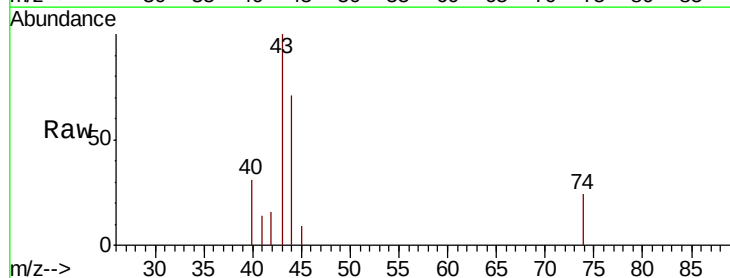
Instrument :
MSVOA_N
ClientSampleId :
WC-WATER

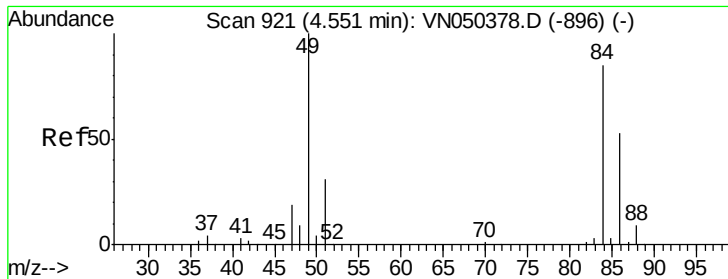
Tot Ion: 76 Resp: 4748
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9



#18
Methyl Acetate
Concen: 0.53 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050407.D
Acq: 7 Aug 2018 1:48

Tgt Ion: 43 Resp: 4863
Ion Ratio Lower Upper
43 100
74 14.3 19.2 28.8#

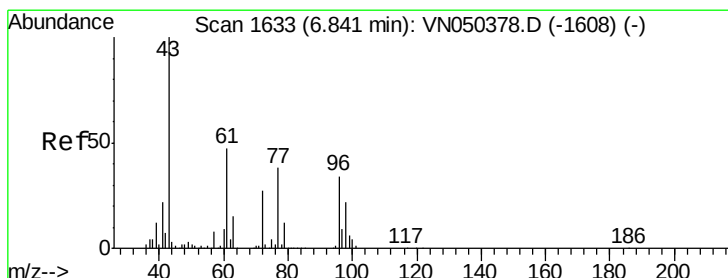
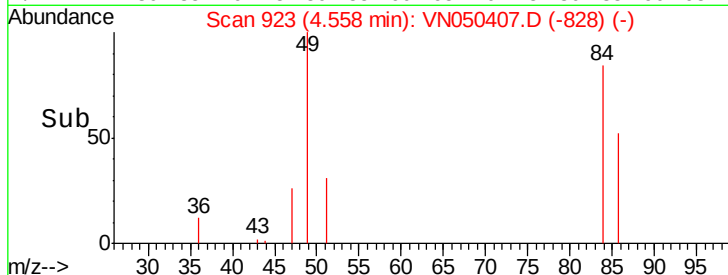
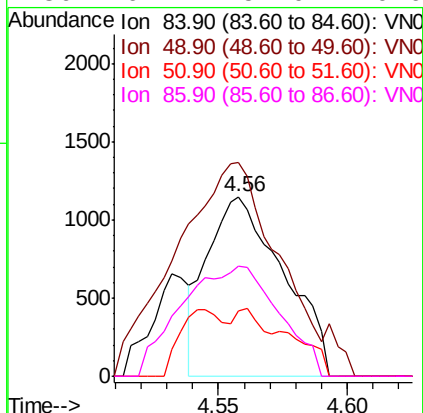
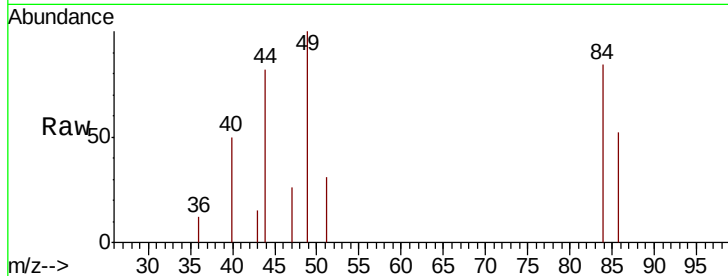




#20
Methylene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050407.D
Acq: 7 Aug 2018 1:48

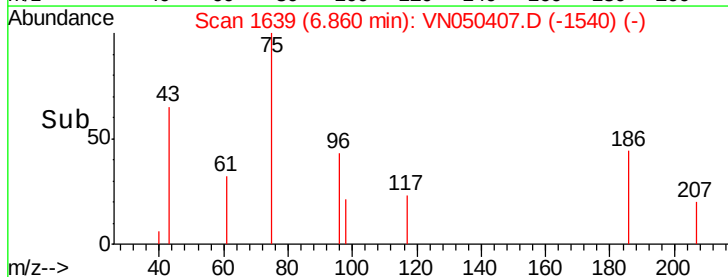
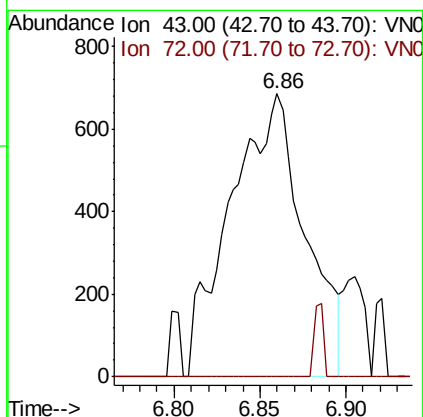
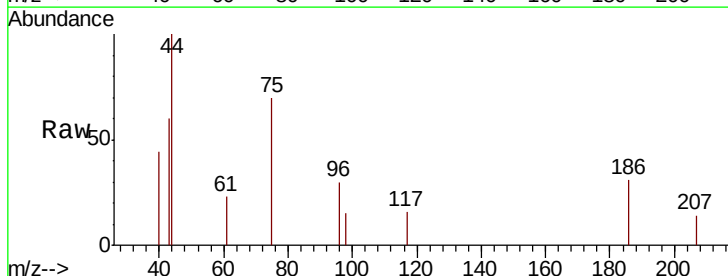
Instrument :
MSVOA_N
ClientSampled :
WC-WATER

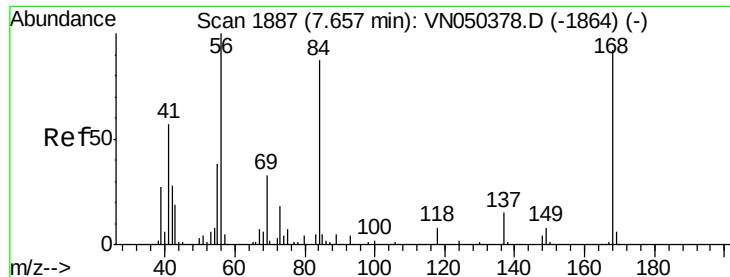
Tot Ion: 84 Resp: 2356
Ion Ratio Lower Upper
84 100
49 102.3 94.8 142.2
51 36.3 28.3 42.5
86 61.4 51.0 76.6



#25
2-Butanone
Concen: 0.48 ug/l
RT: 6.86 min Scan# 1639
Delta R.T. 0.02 min
Lab File: VN050407.D
Acq: 7 Aug 2018 1:48

Tgt Ion: 43 Resp: 2064
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#





#31

Cyclohexane

Concen: 0.36 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050407.D

Acq: 7 Aug 2018 1:48

Instrument :

MSVOA_N

ClientSampled :

WC-WATER

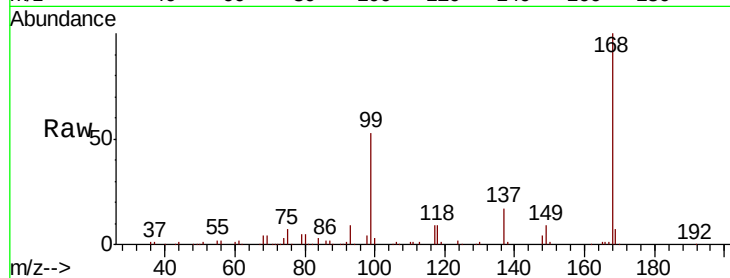
Tot Ion: 56 Resp: 12236

Ion Ratio Lower Upper

56 100

69 215.7 26.2 39.4#

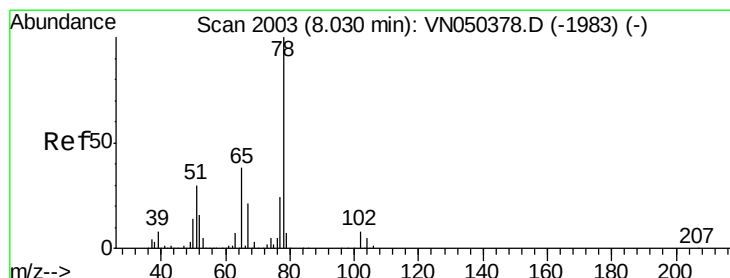
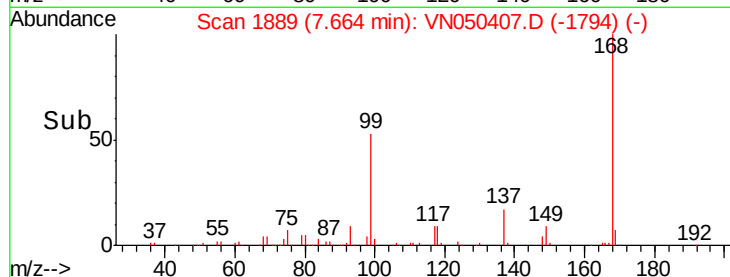
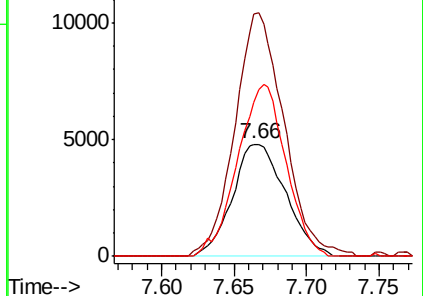
84 137.4 67.4 101.0#



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: 53.16 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050407.D

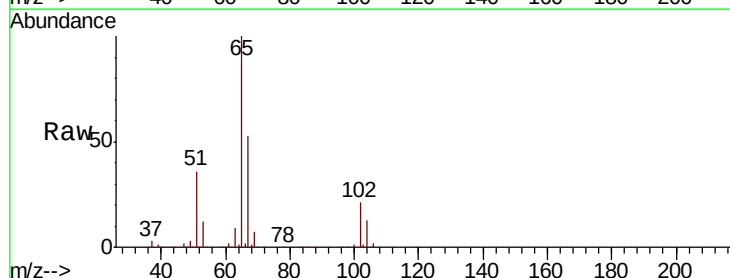
Acq: 7 Aug 2018 1:48

Tgt Ion: 65 Resp: 459887

Ion Ratio Lower Upper

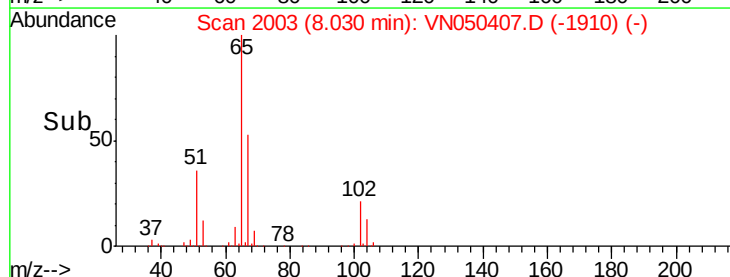
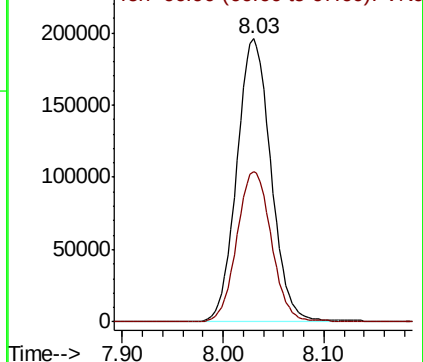
65 100

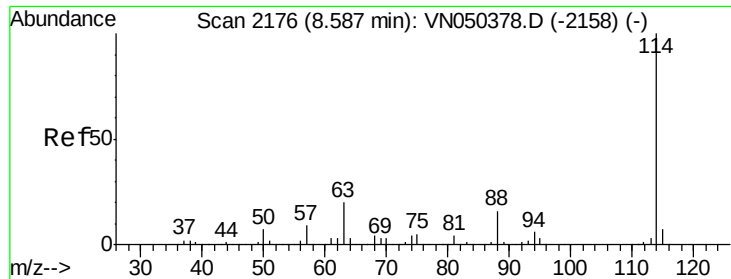
67 53.7 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



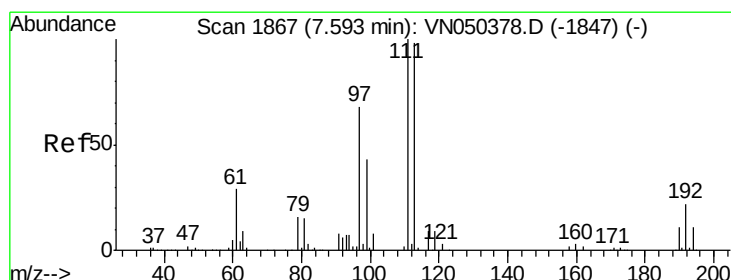
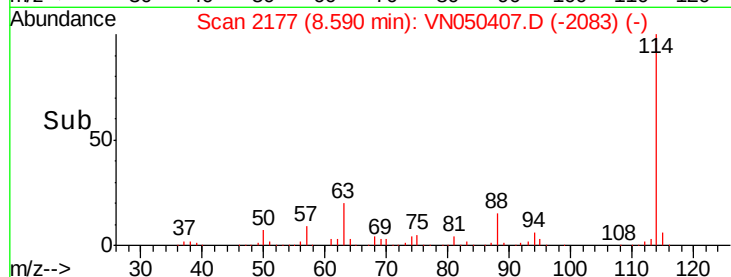
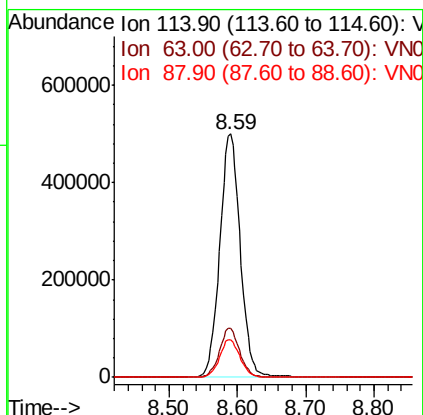
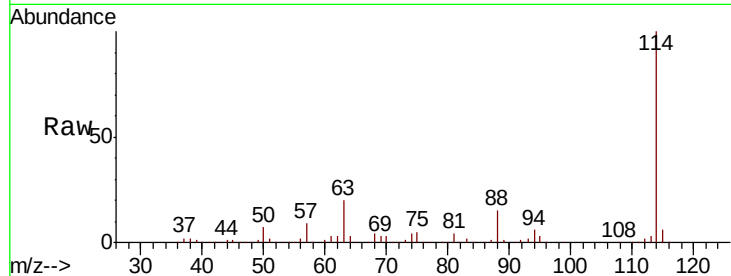


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050407.D
 Acq: 7 Aug 2018 1:48

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-WATER

Tot Ion:114 Resp: 1043722

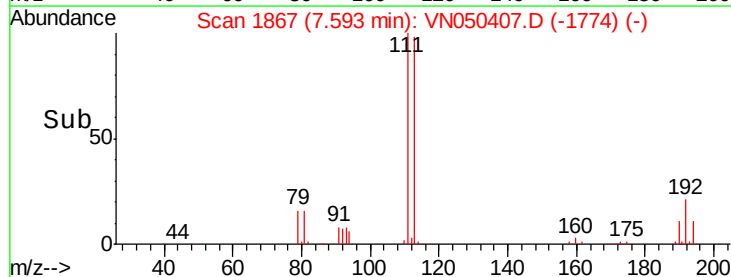
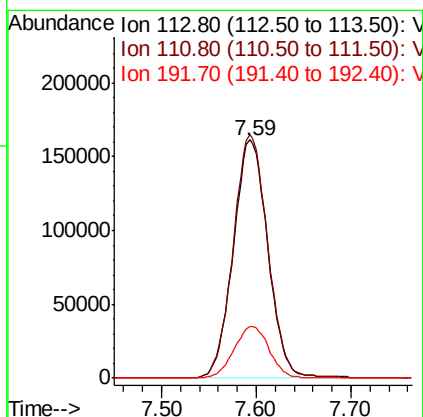
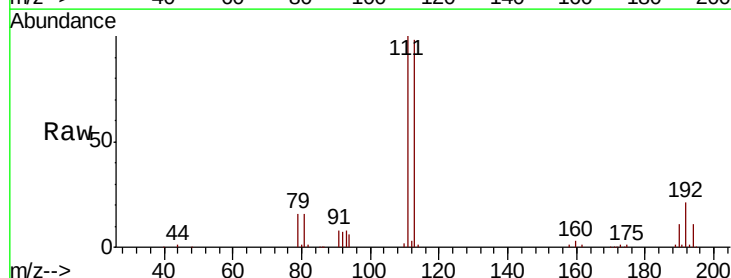
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.0
88	15.4	0.0	31.2

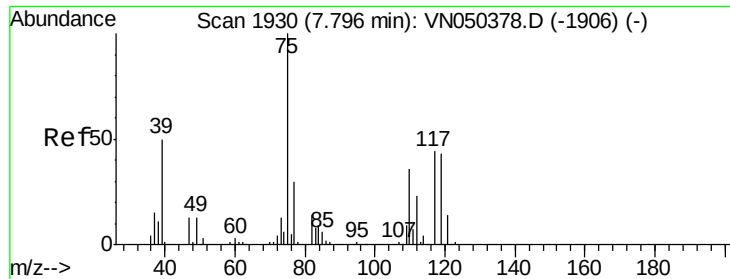


#35
 Dibromofluoromethane
 Concen: 48.86 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050407.D
 Acq: 7 Aug 2018 1:48

Tgt Ion:113 Resp: 409228

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

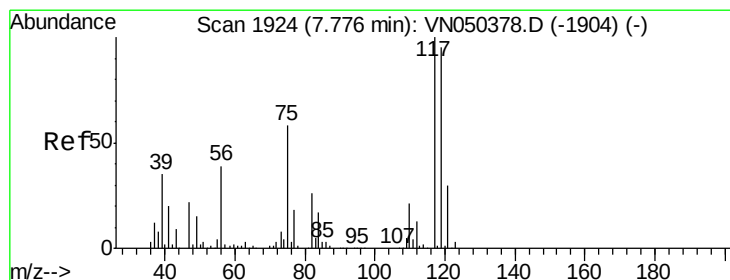
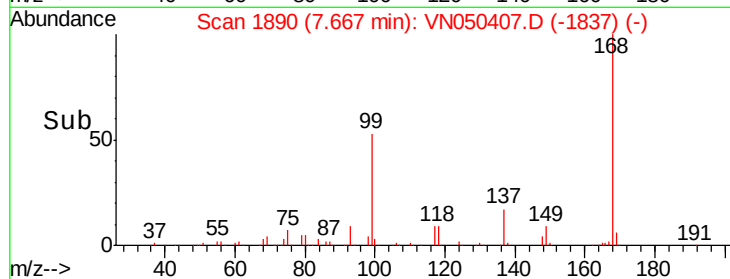
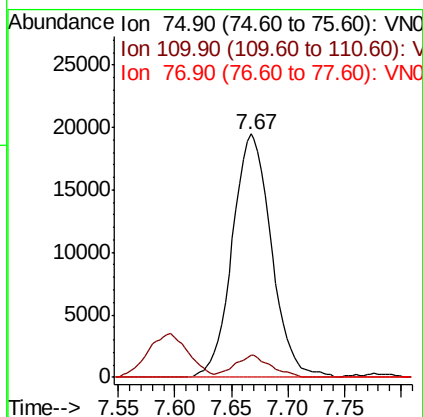
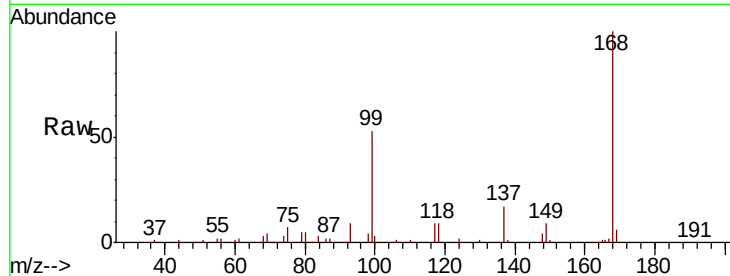




#36
 1,1-Dichloropropene
 Concen: 4.08 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050407.D
 Acq: 7 Aug 2018 1:48

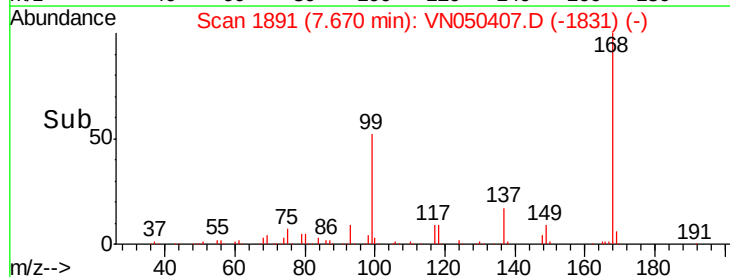
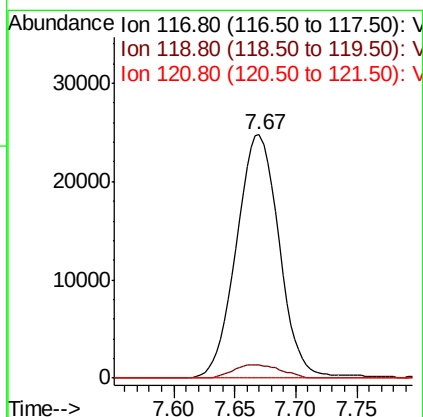
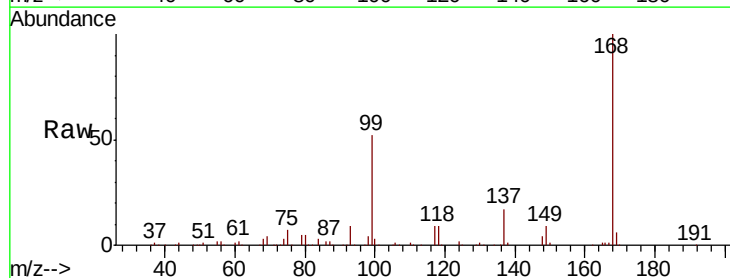
Instrument :
 MSVOA_N
 ClientSampled :
 WC-WATER

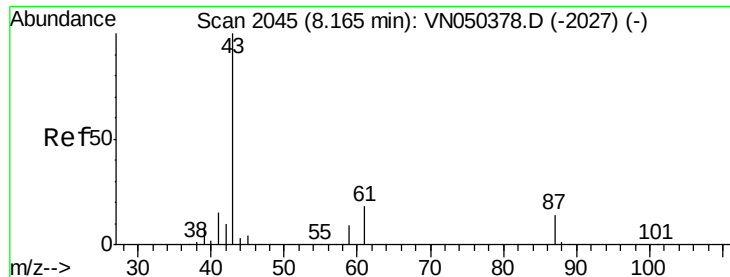
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 5.02 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050407.D
 Acq: 7 Aug 2018 1:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.4	116.0#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 5.24 ug/l

RT: 8.28 min Scan# 2081

Delta R.T. 0.12 min

Lab File: VN050407.D

Acq: 7 Aug 2018 1:48

Instrument :

MSVOA_N

ClientSampled :

WC-WATER

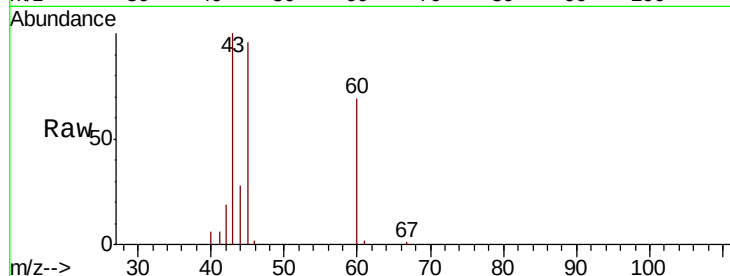
Tot Ion: 43 Resp: 74658

Ion Ratio Lower Upper

43 100

61 0.8 15.8 23.6#

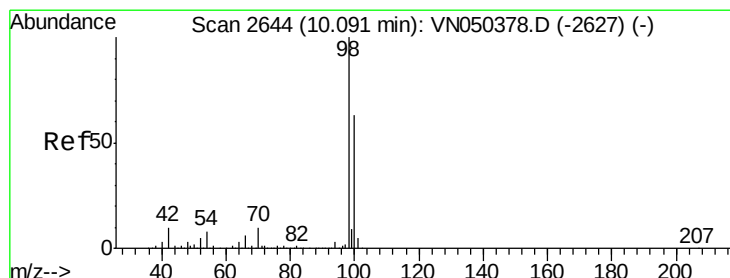
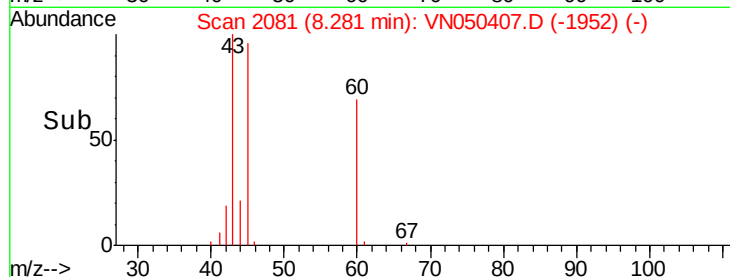
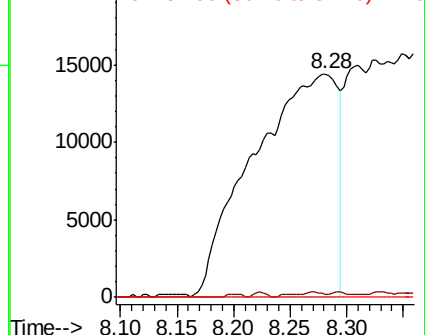
87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 45.74 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050407.D

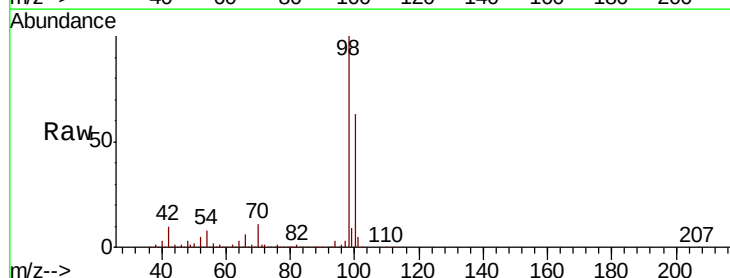
Acq: 7 Aug 2018 1:48

Tgt Ion: 98 Resp: 1440210

Ion Ratio Lower Upper

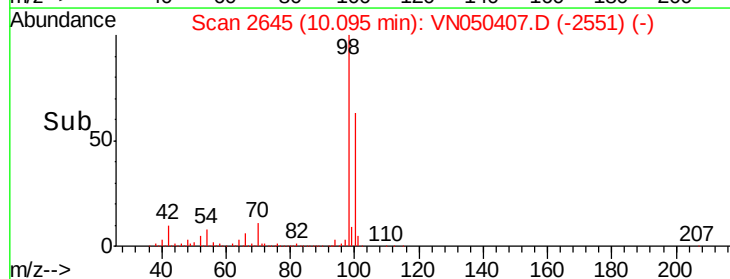
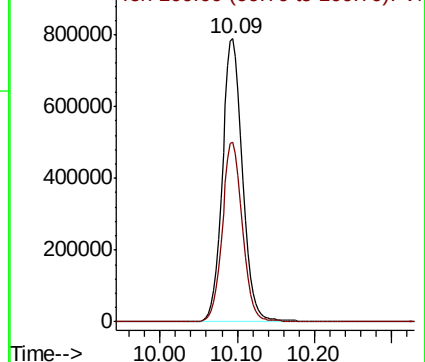
98 100

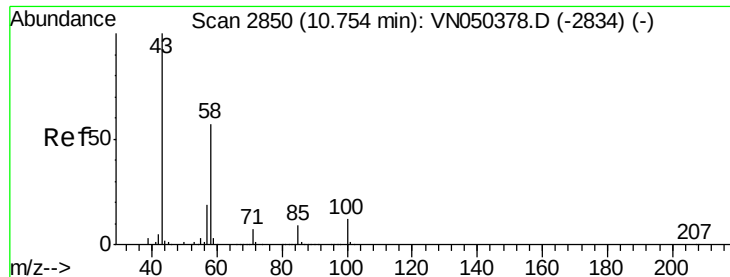
100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#59

2-Hexanone

Concen: 0.28 ug/l

RT: 10.73 min Scan# 2842

Delta R.T. -0.03 min

Lab File: VN050407.D

Acq: 7 Aug 2018 1:48

Instrument :

MSVOA_N

ClientSampleId :

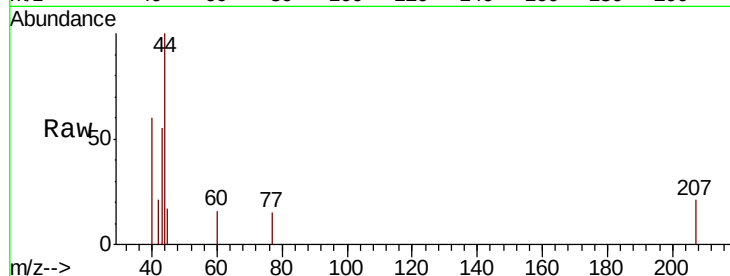
WC-WATER

Tot Ion: 43 Resp: 1982

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.73

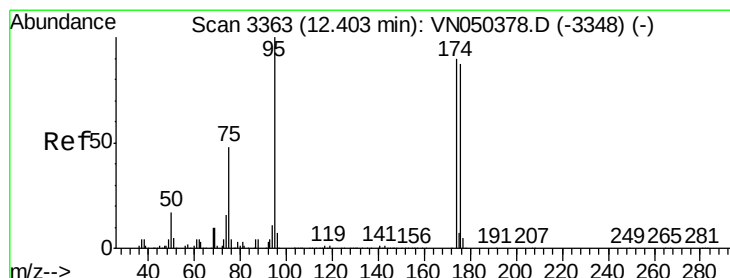
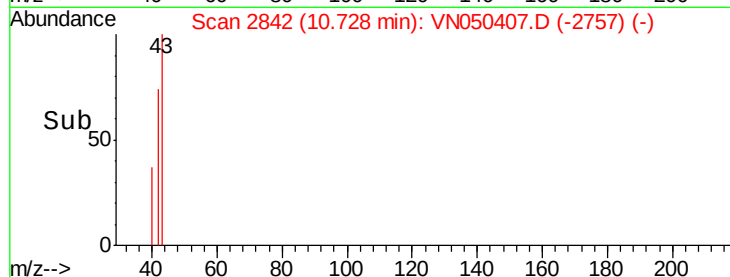
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 34.47 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050407.D

Acq: 7 Aug 2018 1:48

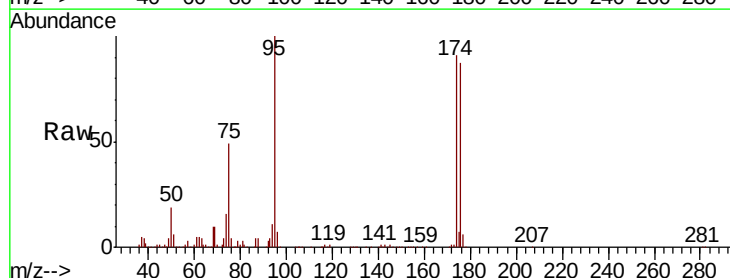
Tgt Ion: 95 Resp: 369943

Ion Ratio Lower Upper

95 100

174 91.8 0.0 178.2

176 87.4 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

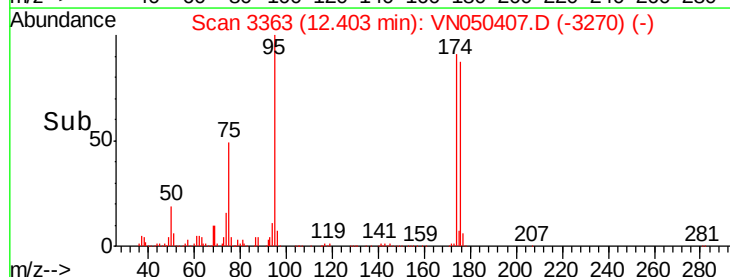
150000

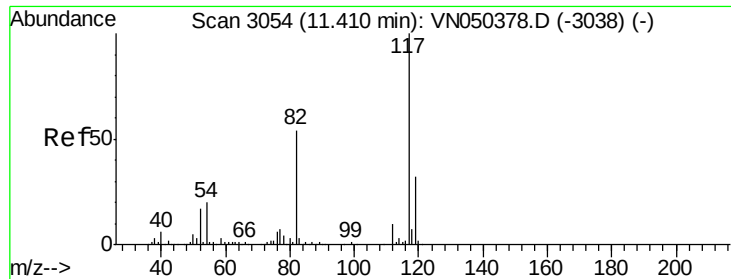
100000

50000

0

Time-->

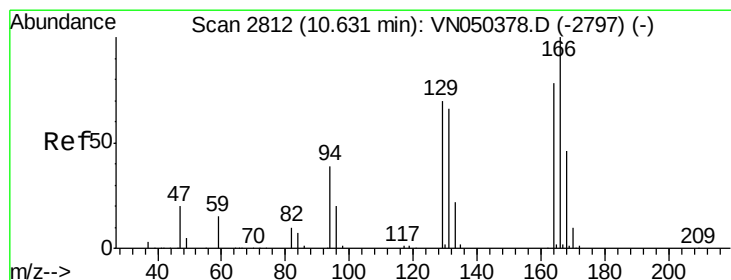
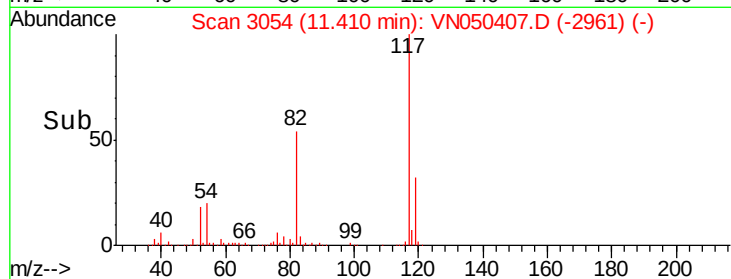
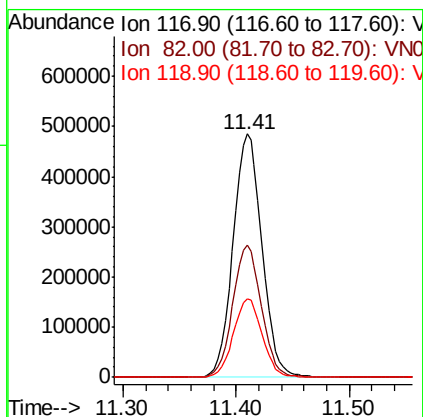
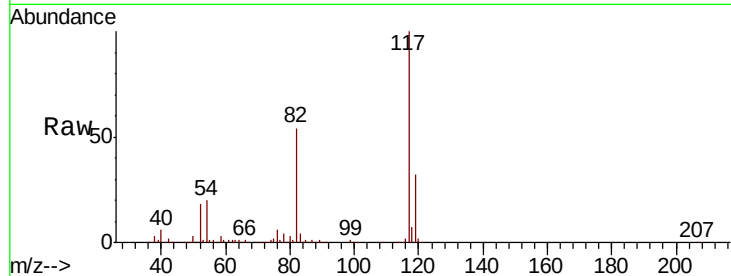




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050407.D
Acq: 7 Aug 2018 1:48

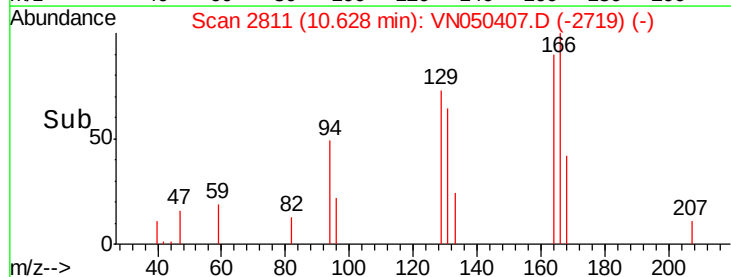
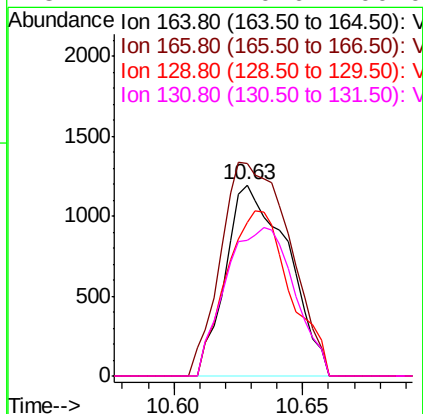
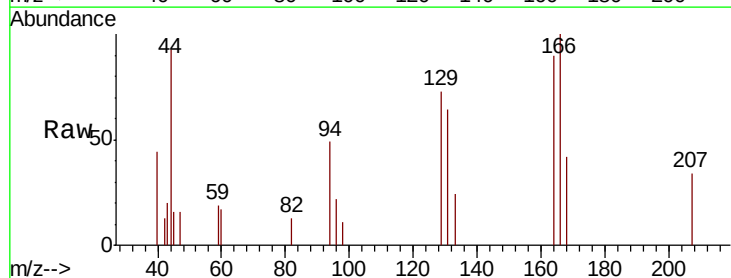
Instrument :
MSVOA_N
ClientSampled :
WC-WATER

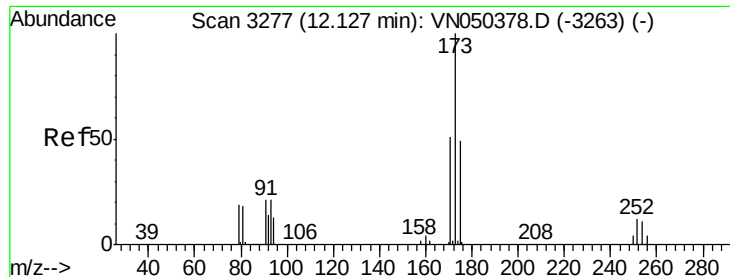
Tot Ion:117 Resp: 860997
Ion Ratio Lower Upper
117 100
82 54.1 43.7 65.5
119 32.3 26.1 39.1



#64
Tetrachloroethene
Concen: 0.25 ug/l
RT: 10.63 min Scan# 2811
Delta R.T. -0.00 min
Lab File: VN050407.D
Acq: 7 Aug 2018 1:48

Tgt Ion:164 Resp: 2012
Ion Ratio Lower Upper
164 100
166 111.0 102.1 153.1
129 80.6 73.2 109.8
131 71.1 70.6 106.0





#71

Bromoform

Concen: 0.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050407.D

Acq: 7 Aug 2018 1:48

Instrument :

MSVOA_N

ClientSampleId :

WC-WATER

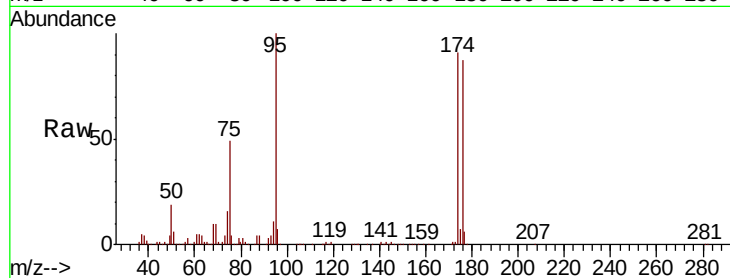
Tot Ion:173 Resp: 3543

Ion Ratio Lower Upper

173 100

175 576.8 24.1 72.2#

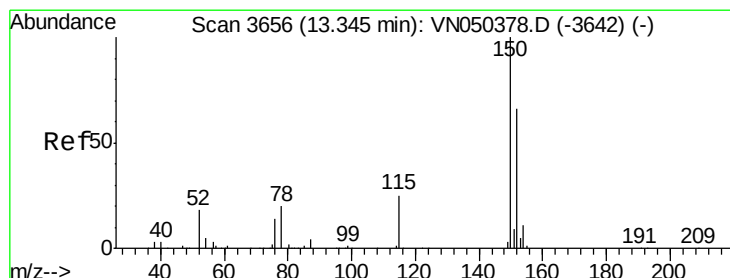
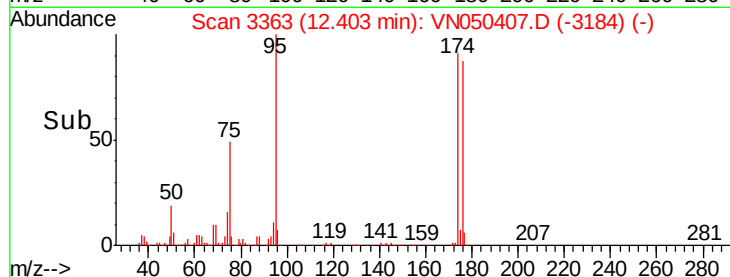
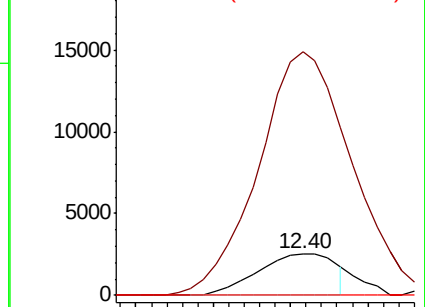
254 0.0 0.2 0.2#



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: VN050407.D

Acq: 7 Aug 2018 1:48

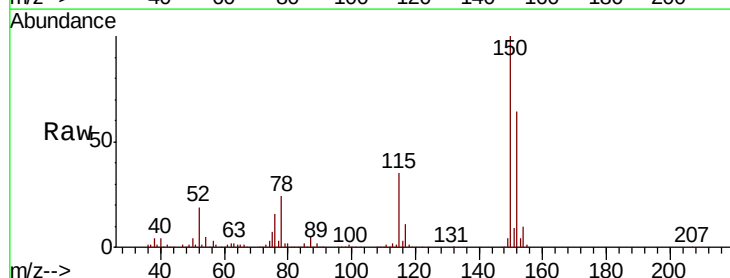
Tgt Ion:152 Resp: 295896

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.3

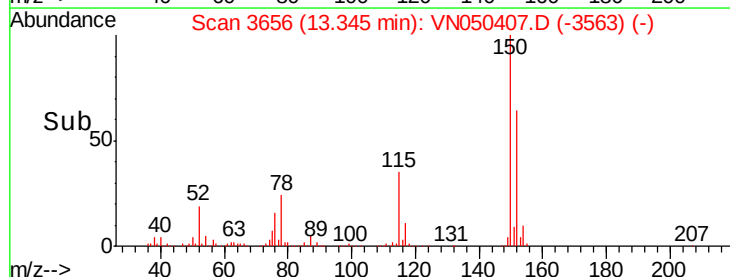
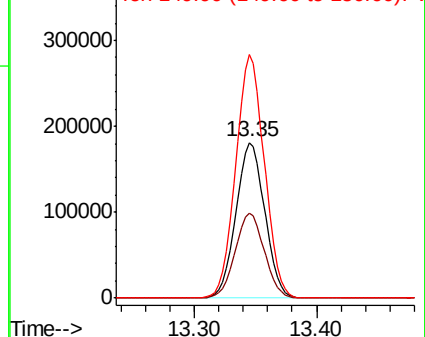
150 155.4 0.0 348.6

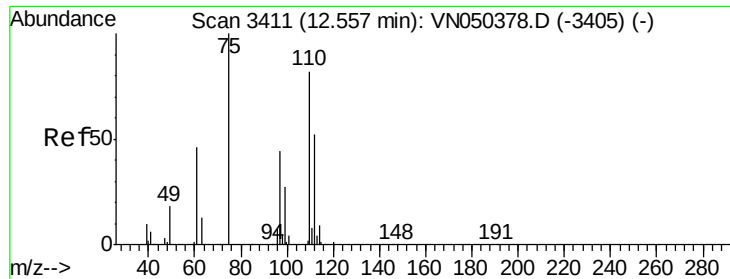


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 33.71 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050407.D

Acq: 7 Aug 2018 1:48

Instrument :

MSVOA_N

ClientSampled :

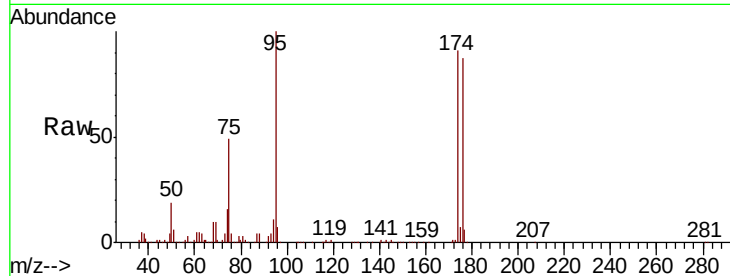
WC-WATER

Tot Ion: 75 Resp: 180525

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

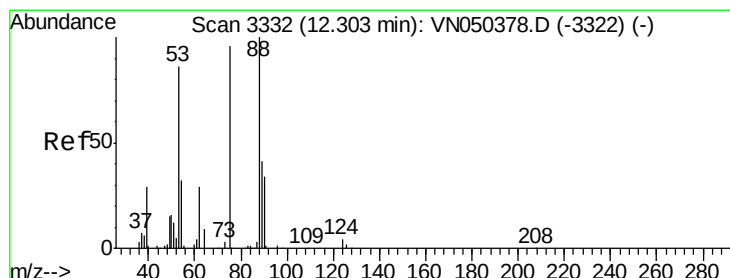
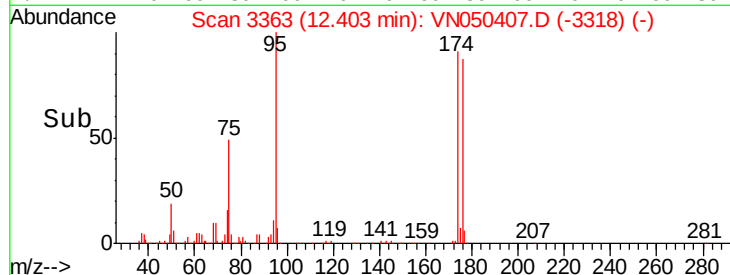
40000

20000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 118.42 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050407.D

Acq: 7 Aug 2018 1:48

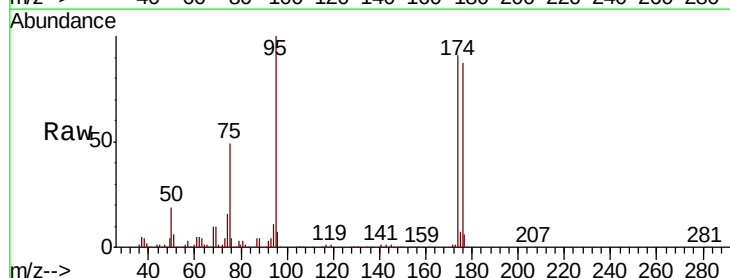
Tgt Ion: 75 Resp: 180525

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

150000

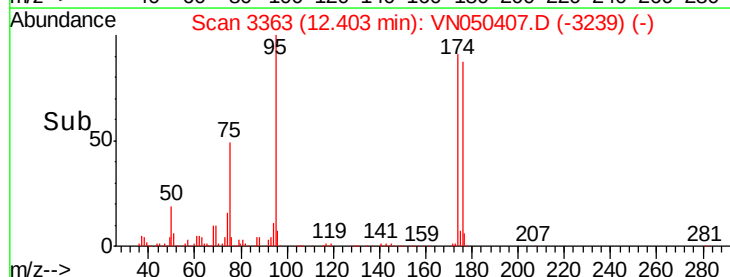
100000

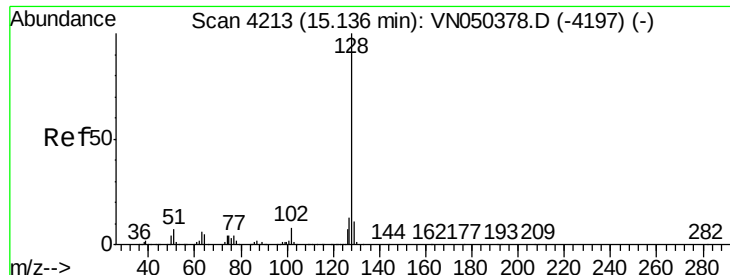
50000

0

12.35 12.40 12.45

Time-->





#95
Naphthalene
Concen: 3.70 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN050407.D
Acq: 7 Aug 2018 1:48

Instrument :
MSVOA_N
ClientSampleId :
WC-WATER

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#

