

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050471.D
 Acq On : 8 Aug 2018 20:12
 Operator : MD\SY
 Sample : J4380-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-08

Quant Time: Aug 09 00:59:36 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	775142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1189512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1018120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	431156	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	494632	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
35) Dibromofluoromethane	7.59	113	451727	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	10.09	98	1617825	45.08	ug/l	0.00
Spiked Amount			Recovery	=	90.16%	
62) 4-Bromofluorobenzene	12.40	95	487065	39.82	ug/l	0.00
Spiked Amount			Recovery	=	79.64%	

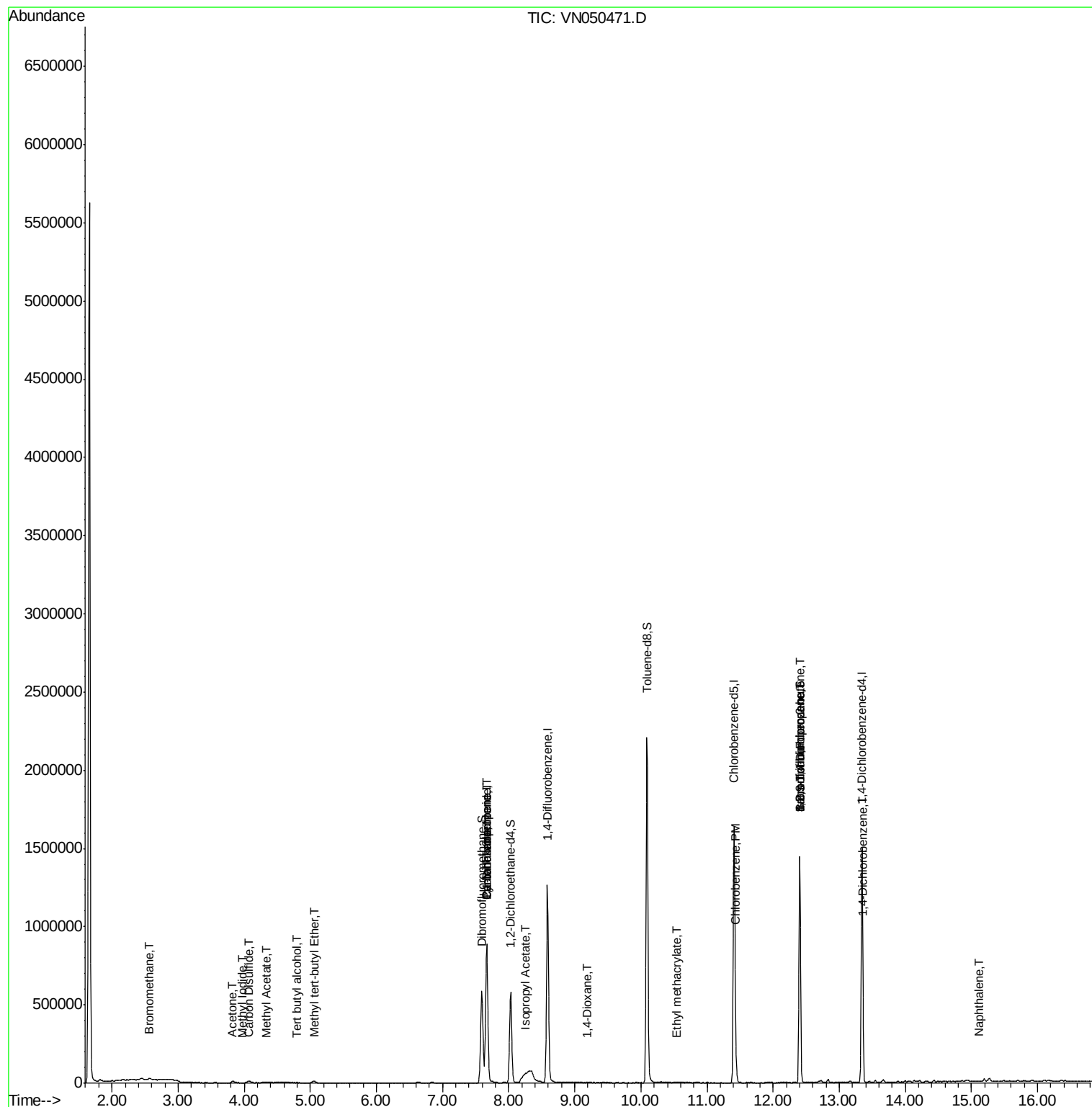
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	5319	Below Cal		91
5) Bromomethane	2.57	94	3599	0.83 ug/l		97
10) Methyl Iodide	3.96	142	1431	0.37 ug/l #		54
11) Tert butyl alcohol	4.79	59	276	0.33 ug/l #		72
16) Acetone	3.83	43	19120	5.84 ug/l		93
17) Carbon Disulfide	4.05	76	9791	0.36 ug/l		100
18) Methyl Acetate	4.34	43	5196	0.46 ug/l		98
19) Methyl tert-butyl Ether	5.05	73	12232	0.51 ug/l #		44
20) Methylene Chloride	4.56	84	1534	Below Cal #		87
31) Cyclohexane	7.66	56	20371	0.75 ug/l #		6
36) 1,1-Dichloropropene	7.67	75	52900	4.05 ug/l #		48
38) Carbon Tetrachloride	7.67	117	68933	5.06 ug/l #		17
43) Isopropyl Acetate	8.24	43	55554	3.42 ug/l #		61
49) 1,4-Dioxane	9.19	88	29	0.23 ug/l #		1
56) Ethyl methacrylate	10.53	69	31	1.71 ug/l #		1
65) Chlorobenzene	11.44	112	86922	3.41 ug/l		100
71) Bromoform	12.41	173	3662	0.54 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	232617	29.81 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	232617	104.72 ug/l #		13
88) 1,4-Dichlorobenzene	13.37	146	3440	0.22 ug/l #		1
95) Naphthalene	15.12	128	106	3.62 ug/l #		69

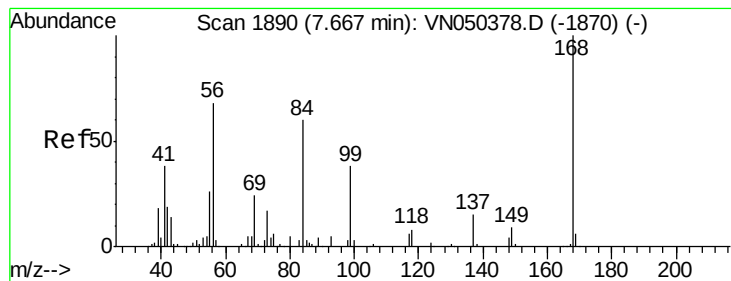
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
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: VN050471.D

Acq: 8 Aug 2018 20:12

Instrument :

MSVOA_N

ClientSampled :

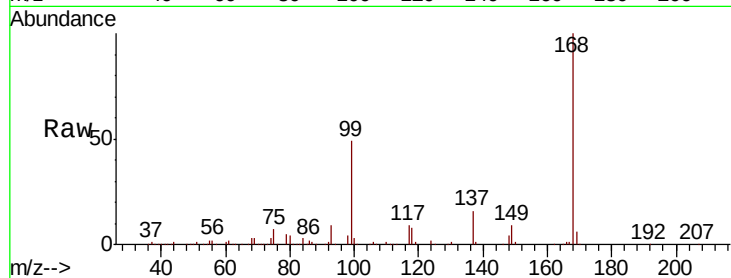
MW-08

Tot Ion:168 Resp: 775142

Ion Ratio Lower Upper

168 100

99 48.9 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

300000

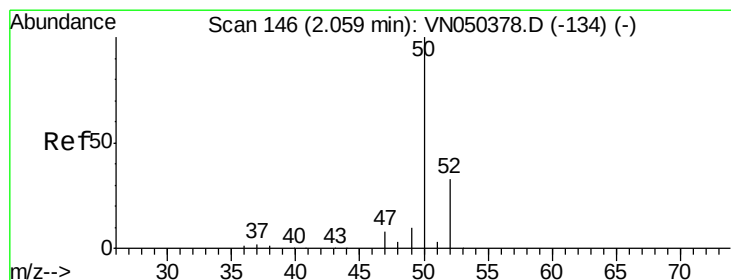
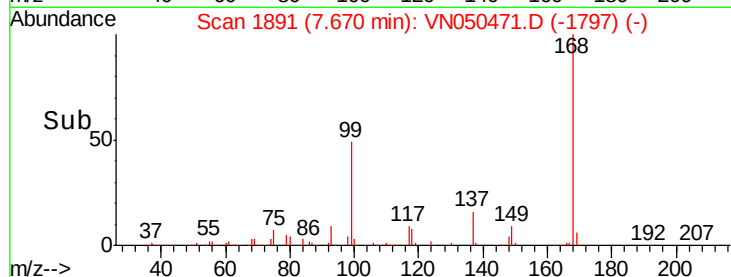
200000

100000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050471.D

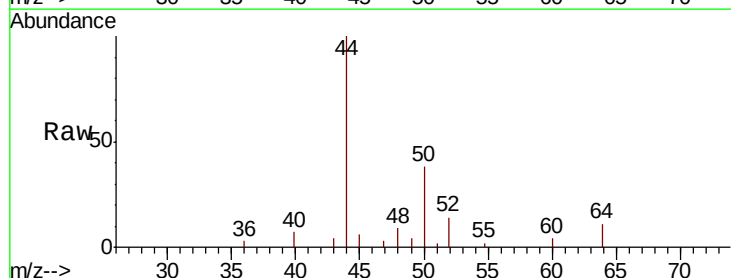
Acq: 8 Aug 2018 20:12

Tgt Ion: 50 Resp: 5319

Ion Ratio Lower Upper

50 100

52 37.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

4000

3000

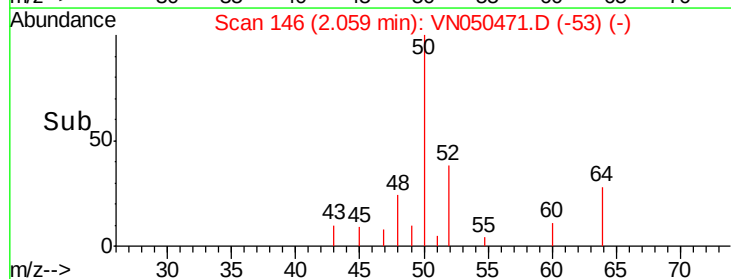
2000

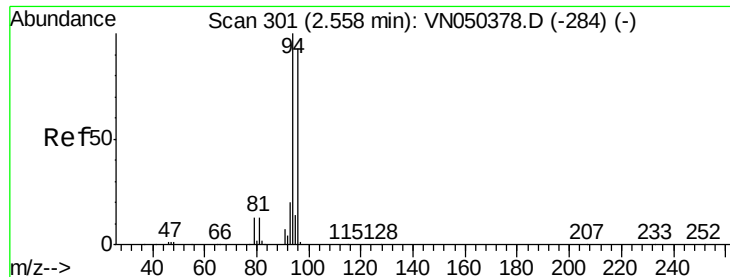
1000

0

Time-->

2.00 2.05 2.10





#5

Bromomethane

Concen: 0.83 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050471.D

Acq: 8 Aug 2018 20:12

Instrument :

MSVOA_N

ClientSampled :

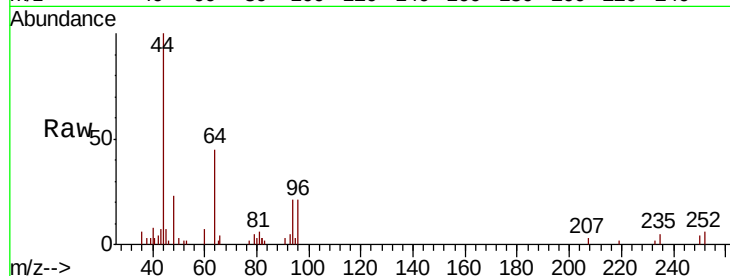
MW-08

Tot Ion: 94 Resp: 3599

Ion Ratio Lower Upper

94 100

96 95.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050378.D (-284) (-)

2000

1500

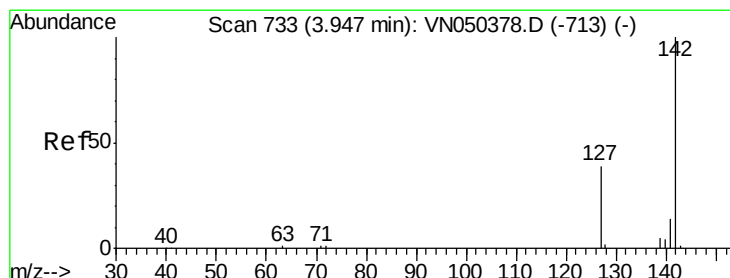
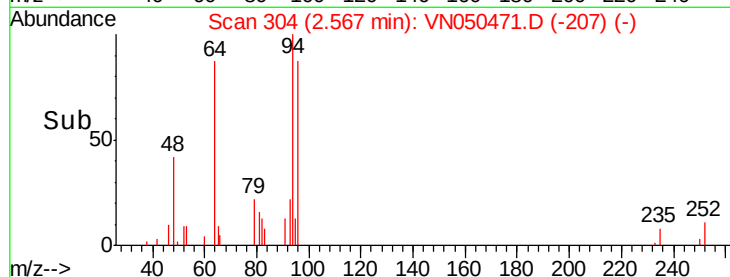
1000

500

0

Time--> 2.50 2.55 2.60

2.57



#10

Methyl Iodide

Concen: 0.37 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN050471.D

Acq: 8 Aug 2018 20:12

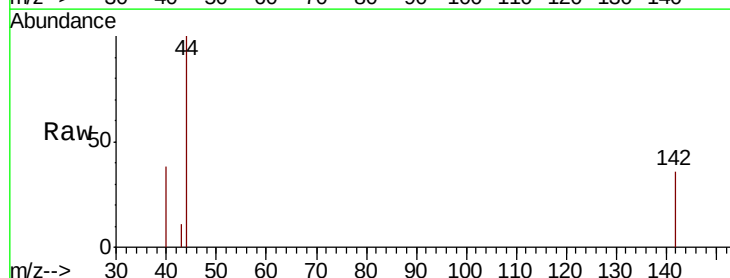
Tgt Ion: 142 Resp: 1431

Ion Ratio Lower Upper

142 100

127 10.3 33.4 50.2#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050378.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050378.D (-713) (-)

600

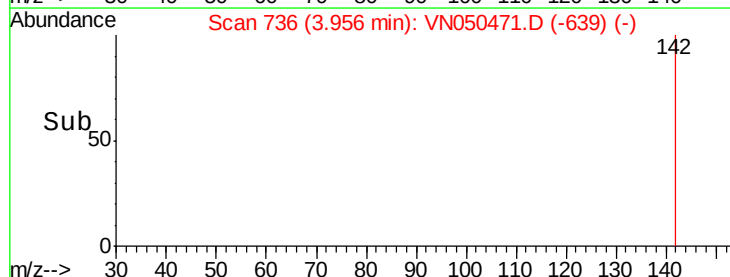
400

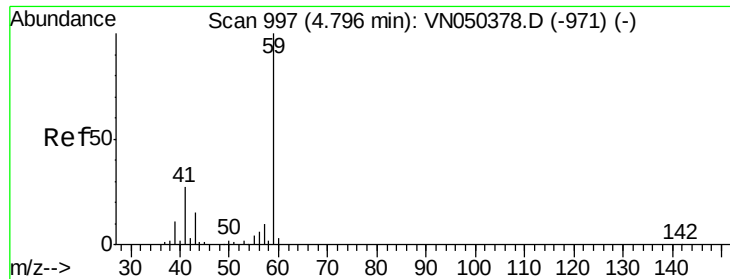
200

0

Time--> 3.90 3.95 4.00

3.96

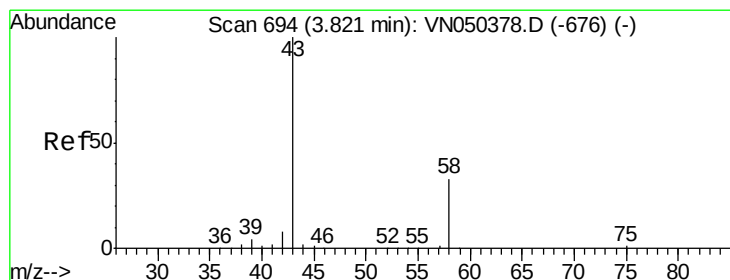
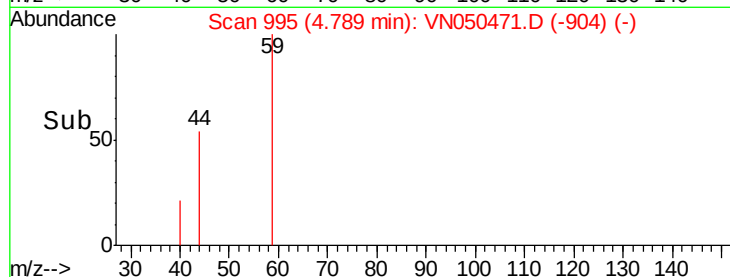
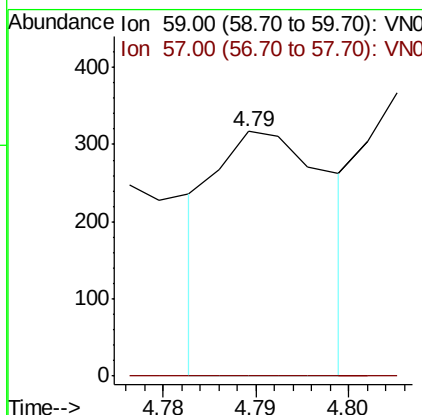
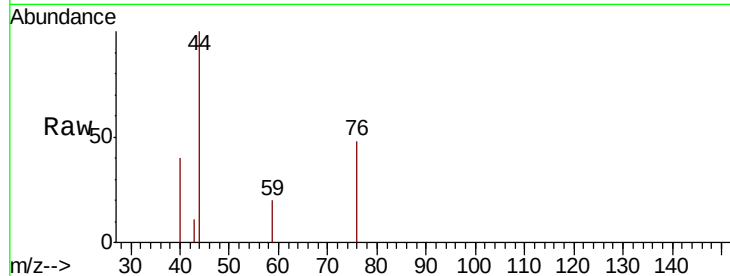




#11
Tert butyl alcohol
Concen: 0.33 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN050471.D
Acq: 8 Aug 2018 20:12

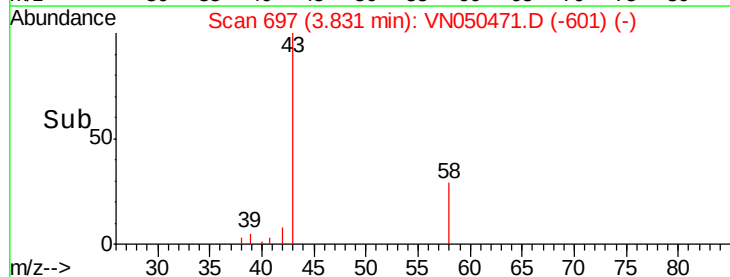
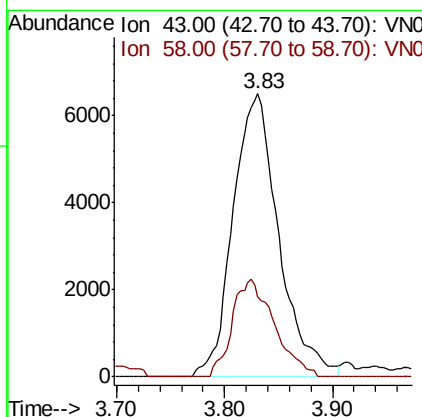
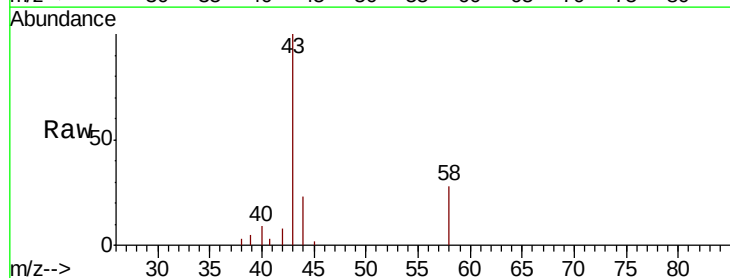
Instrument :
MSVOA_N
ClientSampled :
MW-08

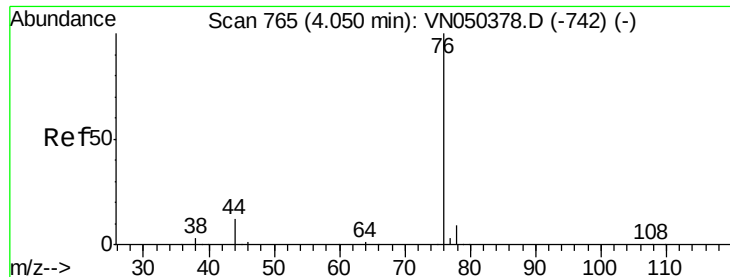
Tot Ion: 59 Resp: 276
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 5.84 ug/l
RT: 3.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VN050471.D
Acq: 8 Aug 2018 20:12

Tgt Ion: 43 Resp: 19120
Ion Ratio Lower Upper
43 100
58 28.3 25.8 38.8





#17

Carbon Disulfide

Concen: 0.36 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050471.D

Acq: 8 Aug 2018 20:12

Instrument :

MSVOA_N

ClientSampled :

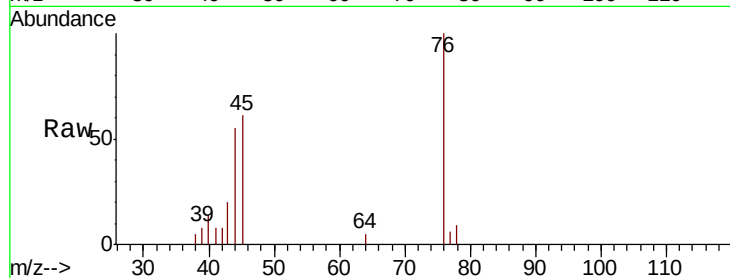
MW-08

Tot Ion: 76 Resp: 9791

Ion Ratio Lower Upper

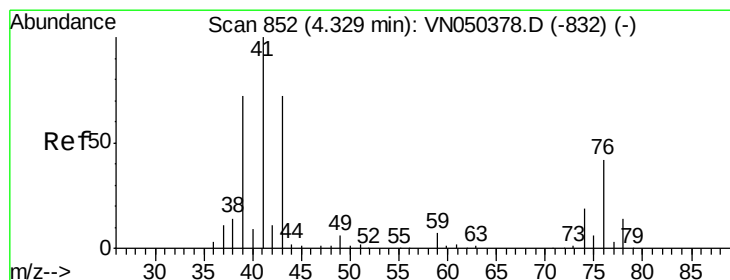
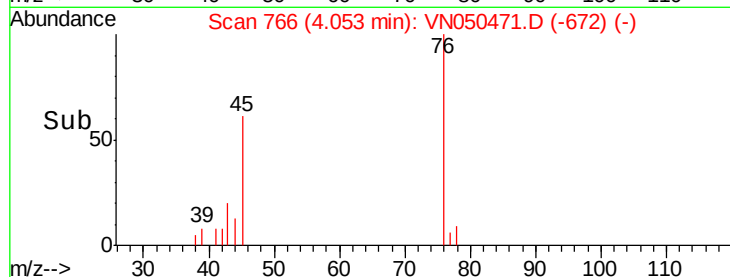
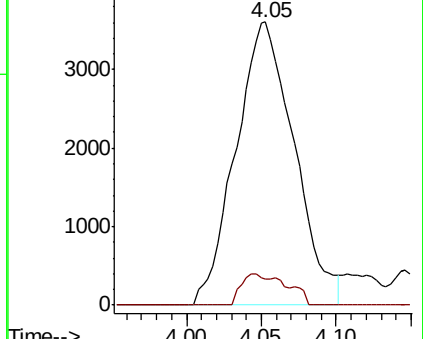
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.46 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050471.D

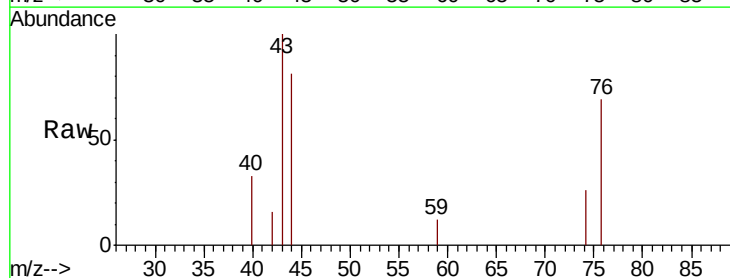
Acq: 8 Aug 2018 20:12

Tgt Ion: 43 Resp: 5196

Ion Ratio Lower Upper

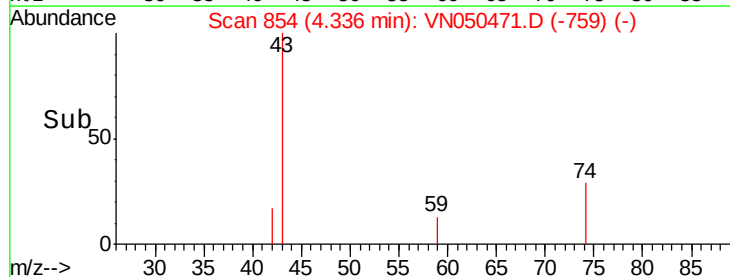
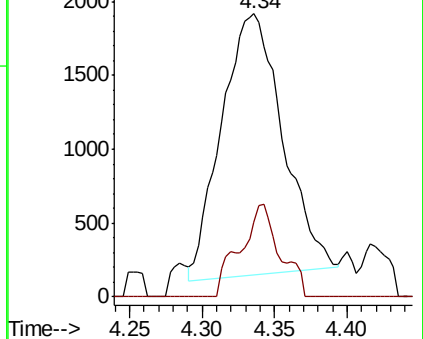
43 100

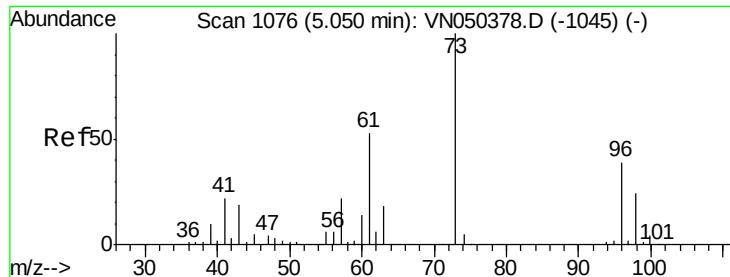
74 23.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 0.51 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VN050471.D

Acq: 8 Aug 2018 20:12

Instrument :

MSVOA_N

ClientSampled :

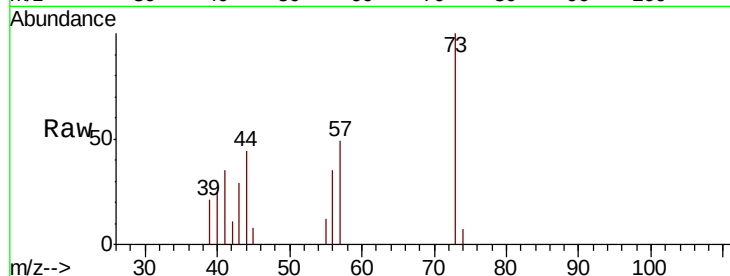
MW-08

Tot Ion: 73 Resp: 12232

Ion Ratio Lower Upper

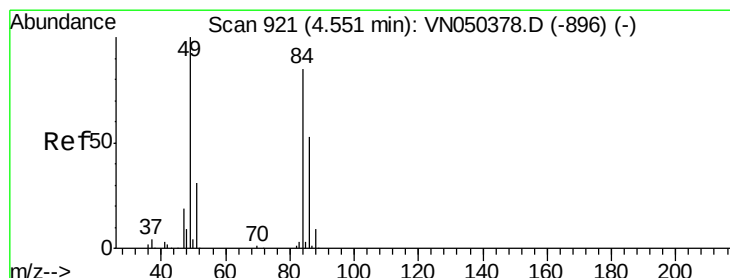
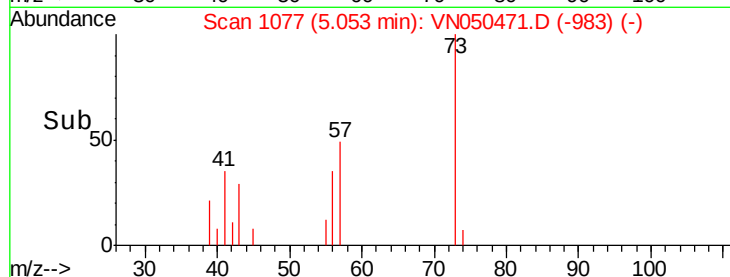
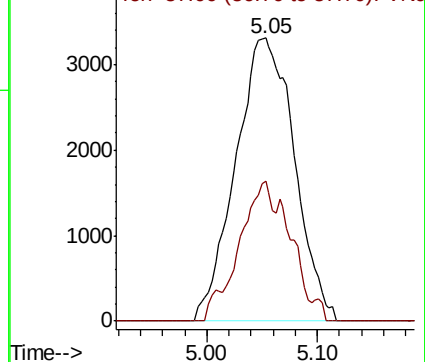
73 100

57 49.4 18.0 27.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.56 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN050471.D

Acq: 8 Aug 2018 20:12

Tgt Ion: 84 Resp: 1534

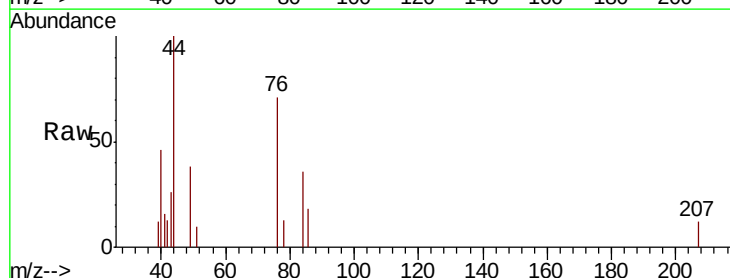
Ion Ratio Lower Upper

84 100

49 105.1 94.8 142.2

51 27.9 28.3 42.5#

86 51.3 51.0 76.6

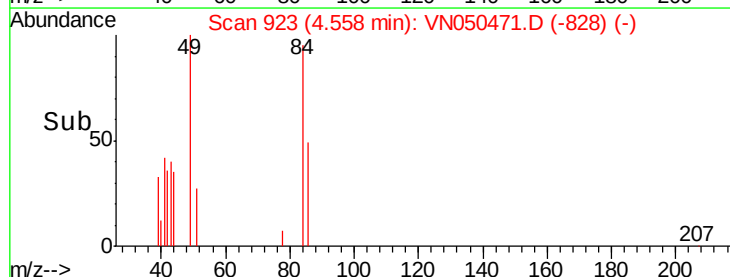
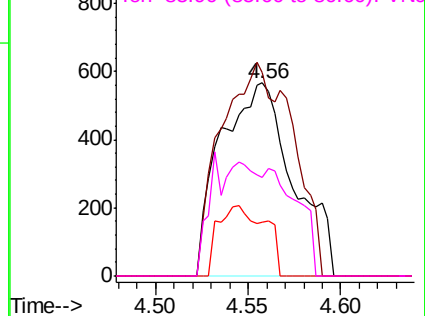


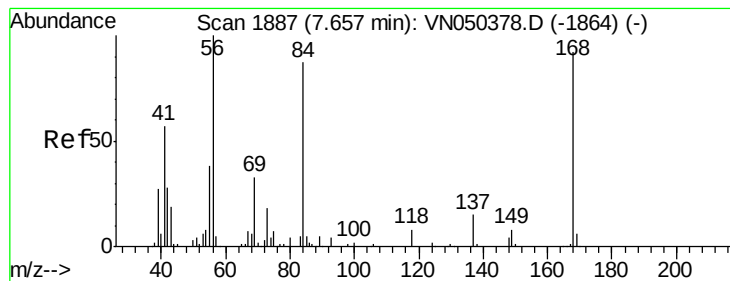
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#31

Cyclohexane

Concen: 0.75 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050471.D

Acq: 8 Aug 2018 20:12

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MSVOA_N

ClientSampled :

MW-08

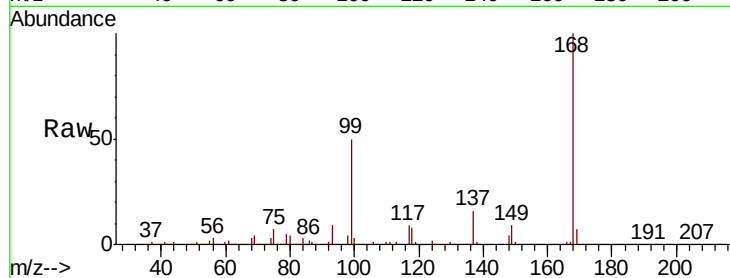
Tot Ion: 56 Resp: 20371

Ion Ratio Lower Upper

56 100

69 143.6 26.2 39.4#

84 132.8 67.4 101.0#

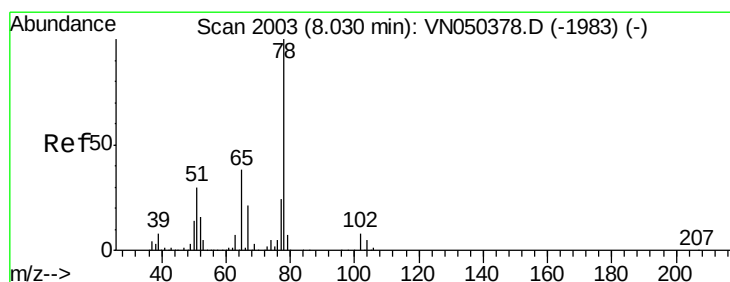
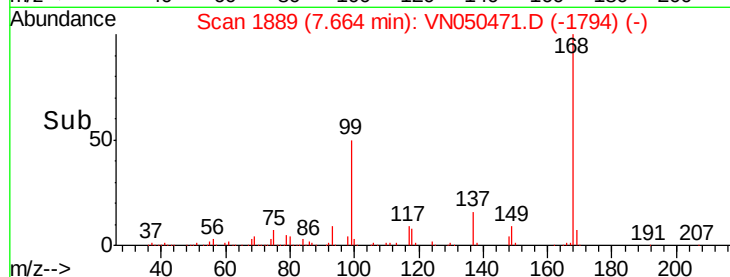
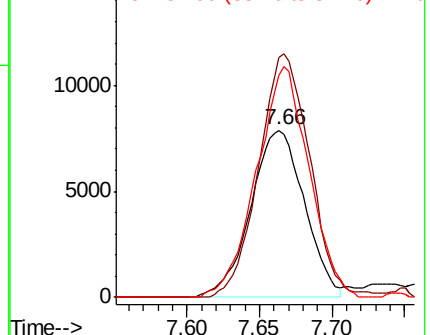


Abundance

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: 47.76 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050471.D

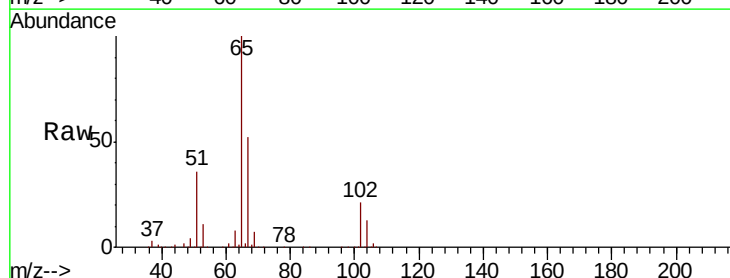
Acq: 8 Aug 2018 20:12

Tgt Ion: 65 Resp: 494632

Ion Ratio Lower Upper

65 100

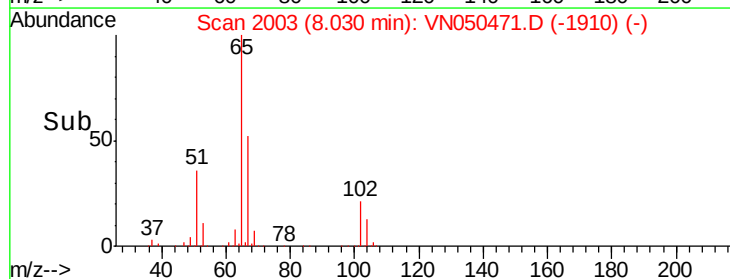
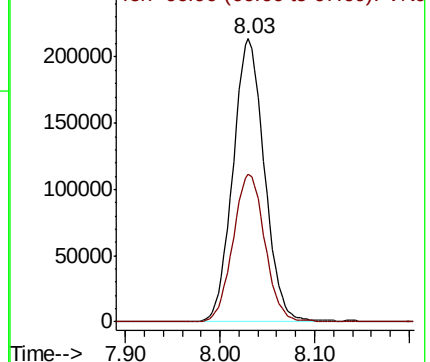
67 53.0 0.0 108.4

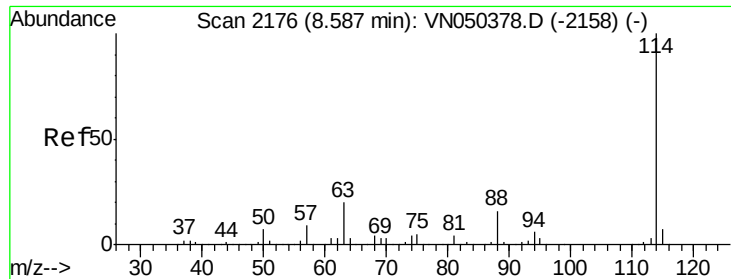


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



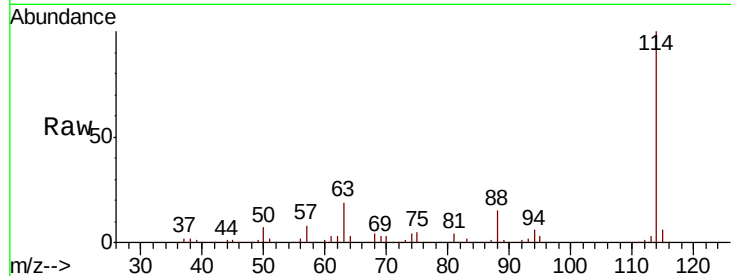


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050471.D
 Acq: 8 Aug 2018 20:12

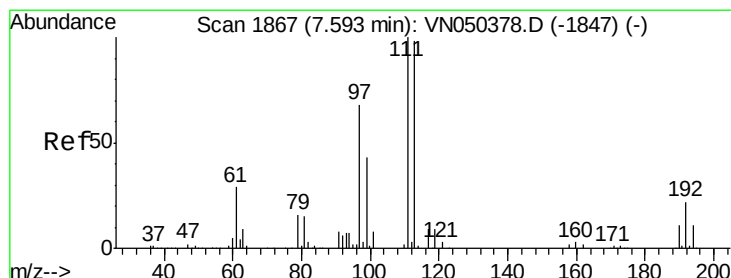
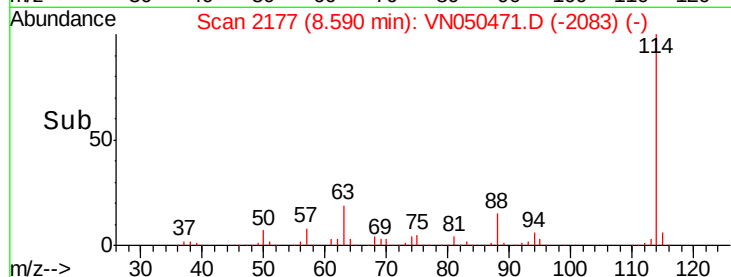
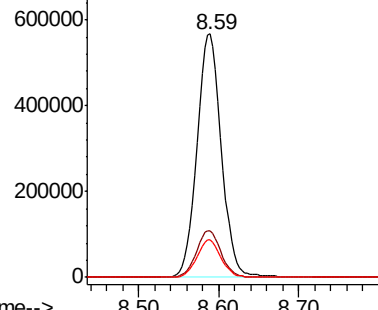
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-08

Tot Ion:114 Resp: 1189512

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	40.0
88	15.2	0.0	31.2



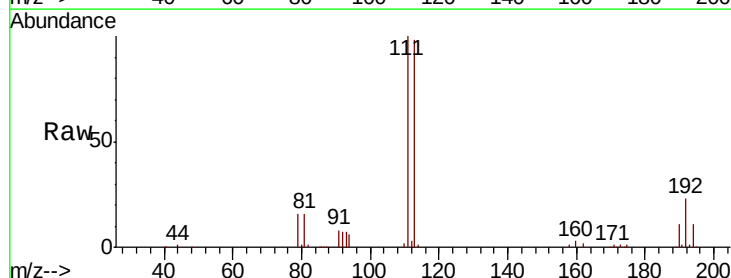
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



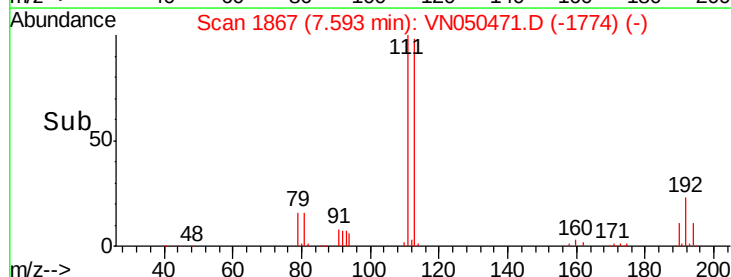
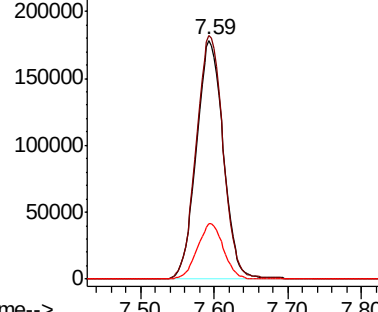
#35
 Dibromofluoromethane
 Concen: 47.33 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050471.D
 Acq: 8 Aug 2018 20:12

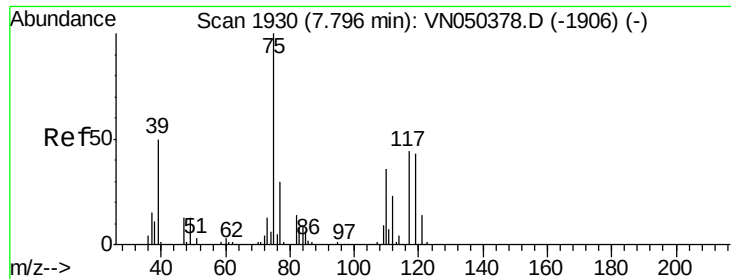
Tgt Ion:113 Resp: 451727

Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.7	121.1
192	22.6	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: 4.05 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050471.D

Acq: 8 Aug 2018 20:12

Instrument :

MSVOA_N

ClientSampled :

MW-08

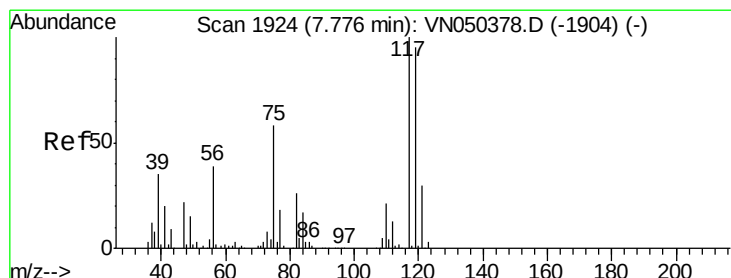
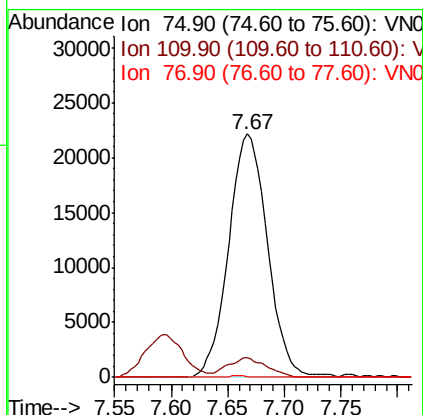
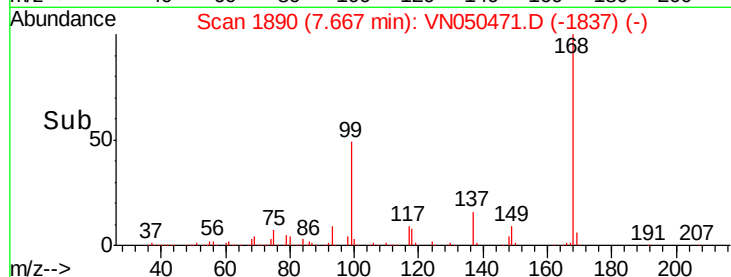
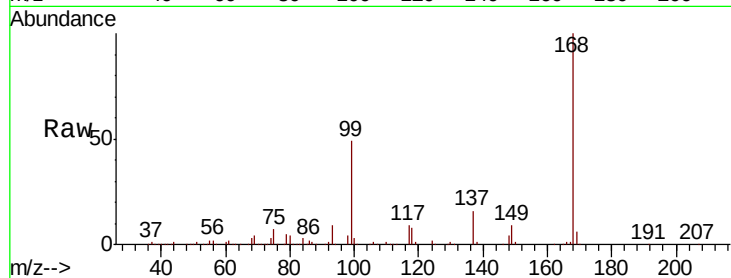
Tot Ion: 75 Resp: 52900

Ion Ratio Lower Upper

75 100

110 8.1 18.4 55.2#

77 0.2 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.06 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050471.D

Acq: 8 Aug 2018 20:12

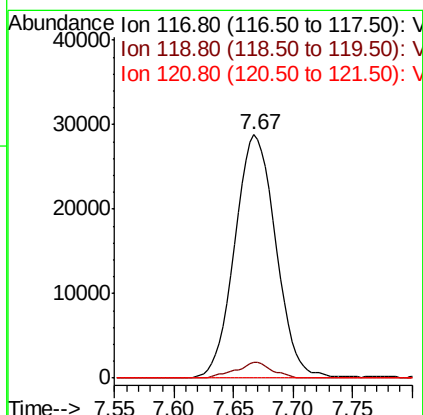
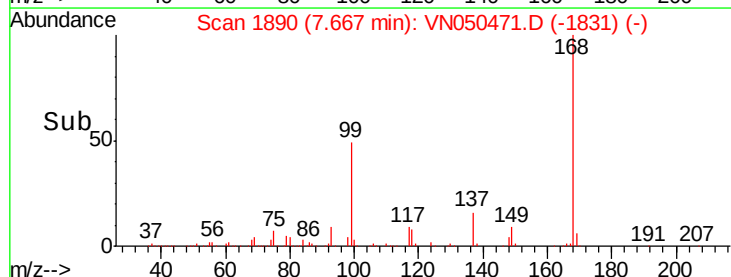
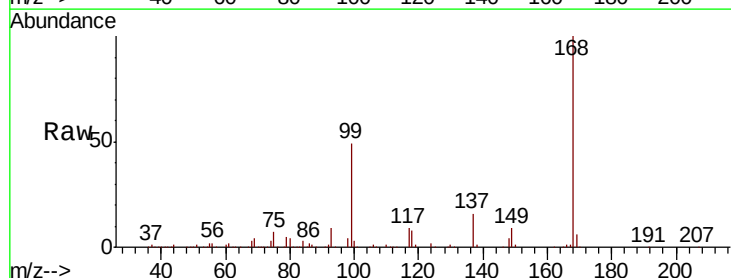
Tgt Ion: 117 Resp: 68933

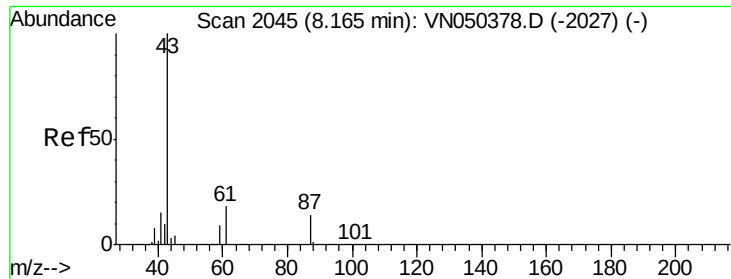
Ion Ratio Lower Upper

117 100

119 6.5 77.4 116.0#

121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 3.42 ug/l

RT: 8.24 min Scan# 2067

Delta R.T. 0.07 min

Lab File: VN050471.D

Acq: 8 Aug 2018 20:12

Instrument :

MSVOA_N

ClientSampled :

MW-08

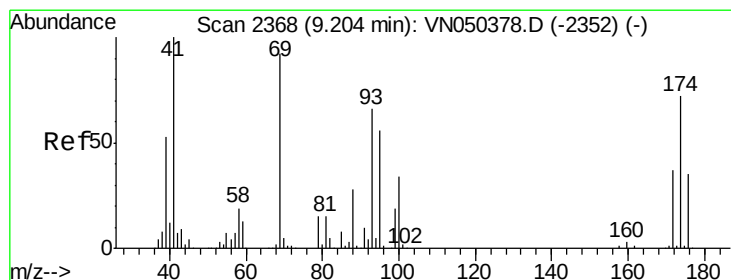
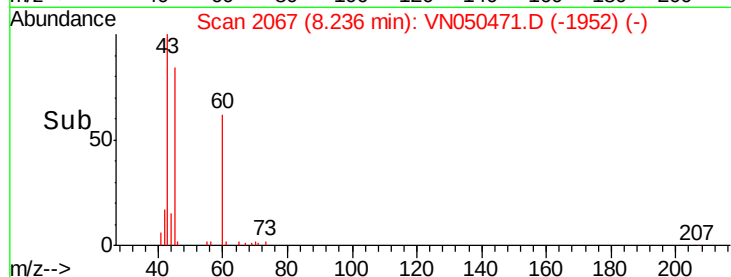
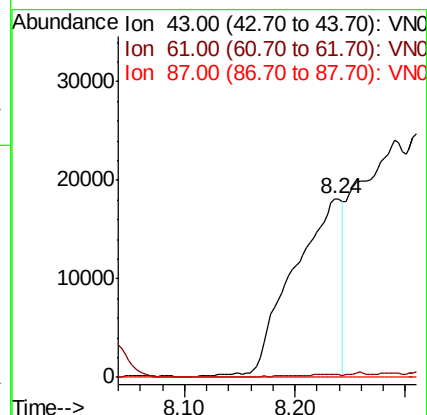
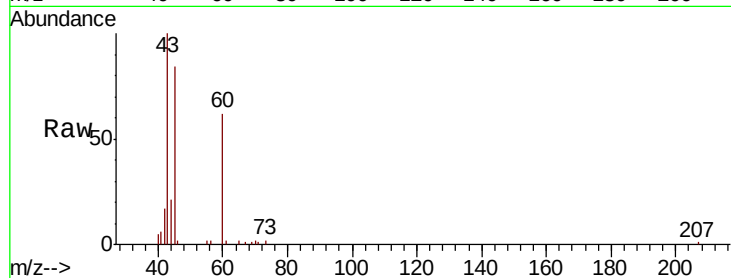
Tot Ion: 43 Resp: 55554

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 10.3 15.5#



#49

1,4-Dioxane

Concen: 0.23 ug/l

RT: 9.19 min Scan# 2364

Delta R.T. -0.01 min

Lab File: VN050471.D

Acq: 8 Aug 2018 20:12

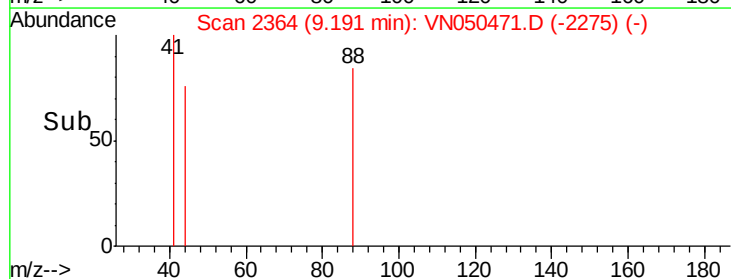
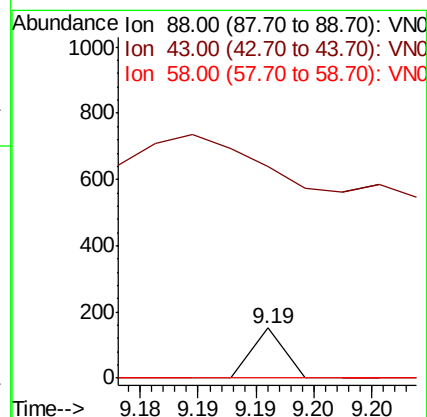
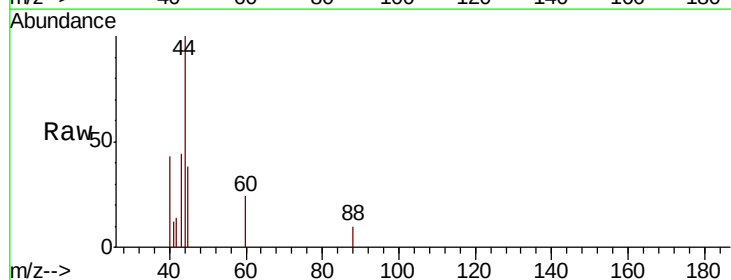
Tgt Ion: 88 Resp: 29

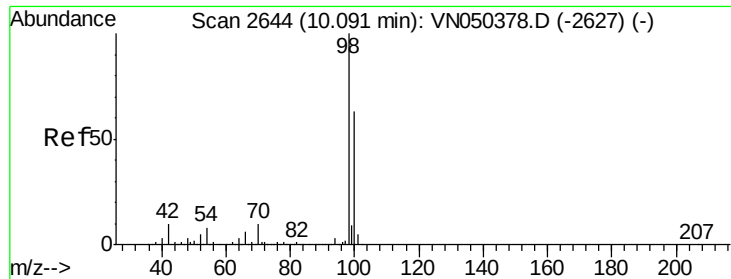
Ion Ratio Lower Upper

88 100

43 1048.3 26.9 40.3#

58 0.0 57.3 85.9#

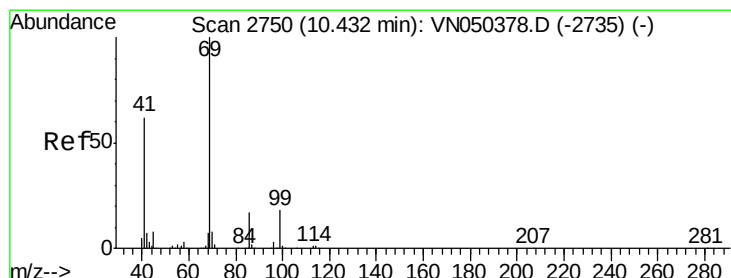
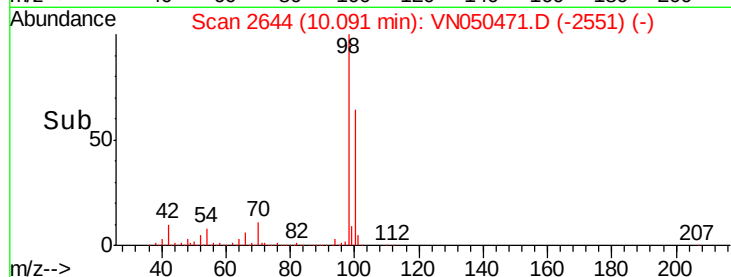
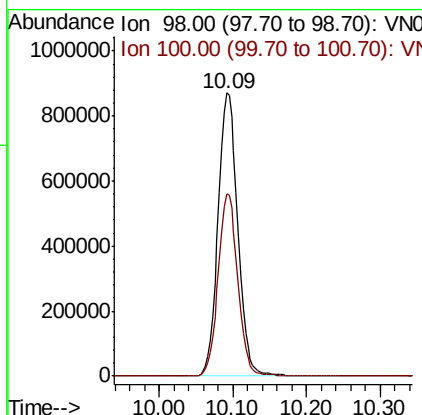
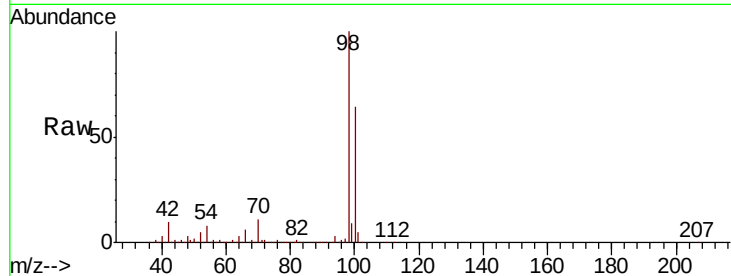




#50
Toluene-d8
Concen: 45.08 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050471.D
Acq: 8 Aug 2018 20:12

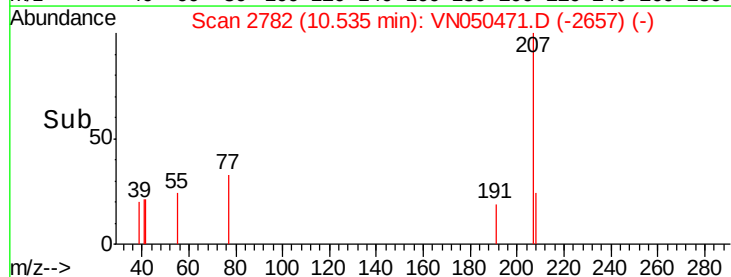
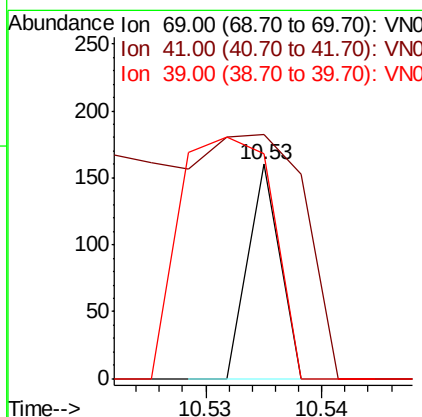
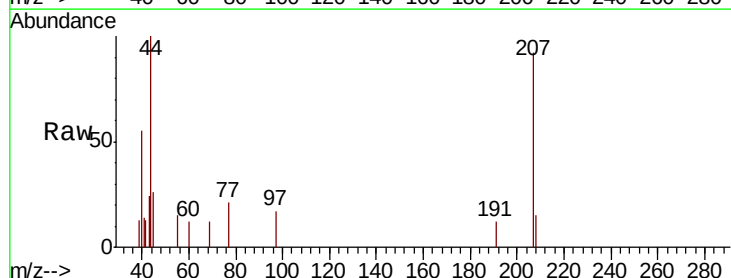
Instrument :
MSVOA_N
ClientSampleId :
MW-08

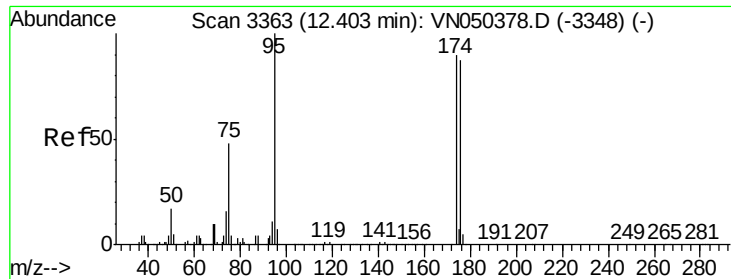
Tot Ion: 98 Resp: 1617825
Ion Ratio Lower Upper
98 100
100 63.9 50.7 76.1



#56
Ethyl methacrylate
Concen: 1.71 ug/l
RT: 10.53 min Scan# 2782
Delta R.T. 0.10 min
Lab File: VN050471.D
Acq: 8 Aug 2018 20:12

Tgt Ion: 69 Resp: 31
Ion Ratio Lower Upper
69 100
41 622.6 51.0 76.4#
39 322.6 26.6 40.0#

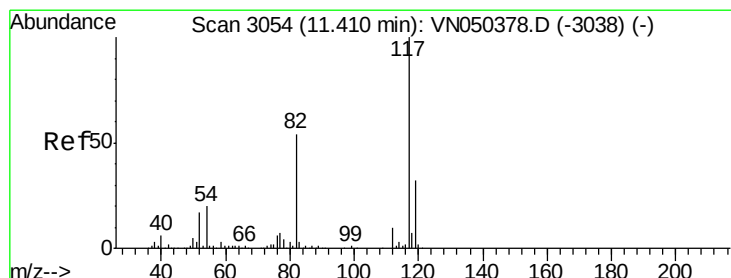
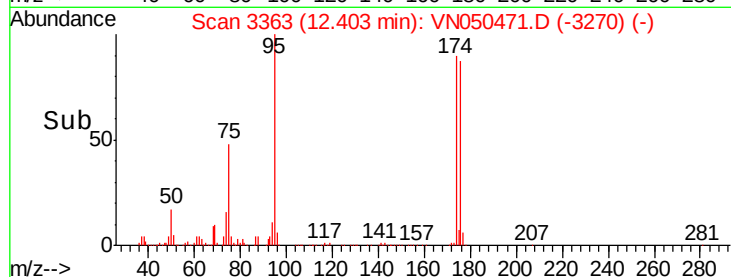
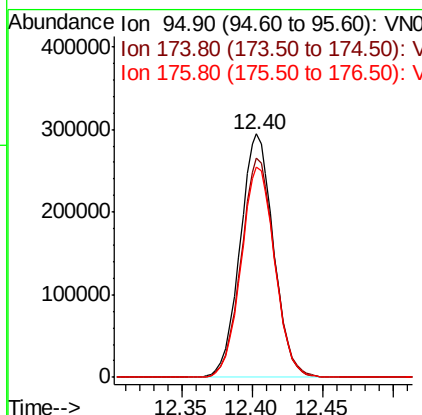
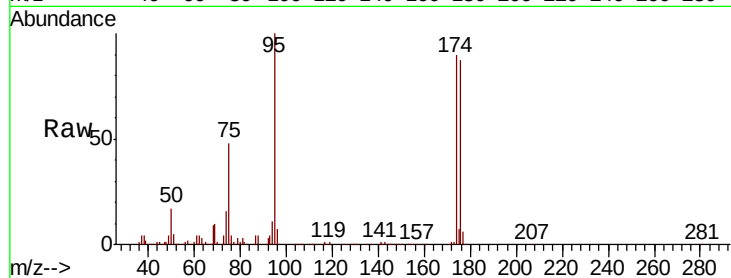




#62
4-Bromofluorobenzene
Concen: 39.82 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050471.D
Acq: 8 Aug 2018 20:12

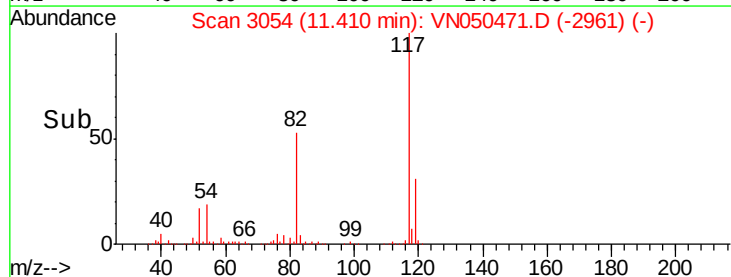
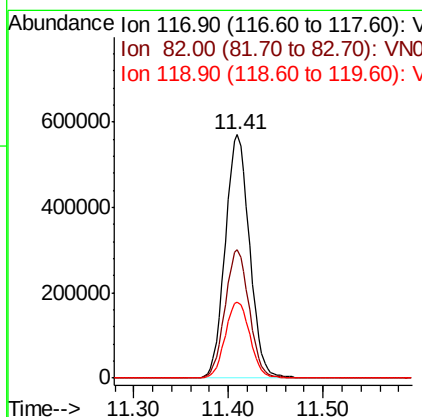
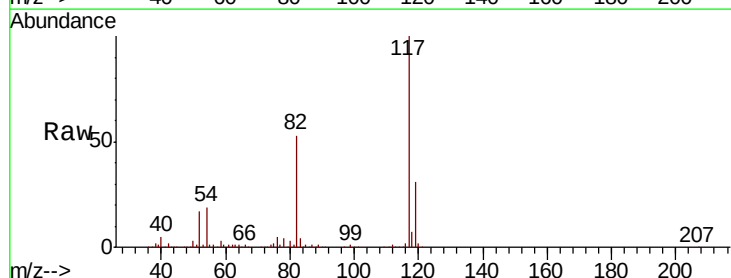
Instrument :
MSVOA_N
ClientSampleId :
MW-08

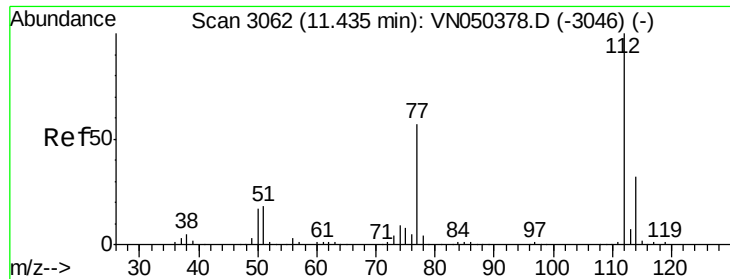
Tot Ion: 95 Resp: 487065
Ion Ratio Lower Upper
95 100
174 90.7 0.0 178.2
176 87.2 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050471.D
Acq: 8 Aug 2018 20:12

Tgt Ion: 117 Resp: 1018120
Ion Ratio Lower Upper
117 100
82 52.8 43.7 65.5
119 31.4 26.1 39.1

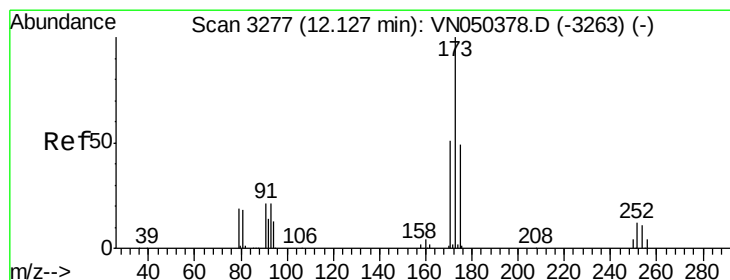
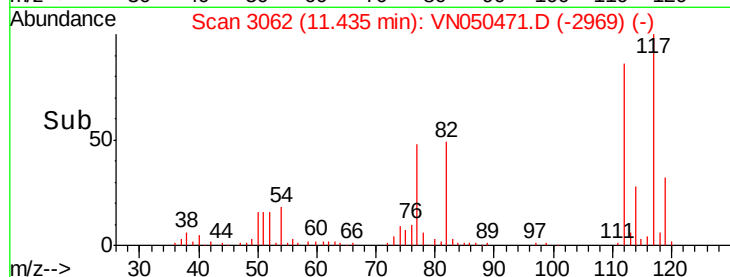
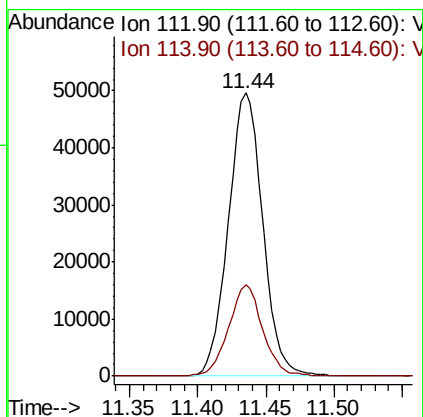
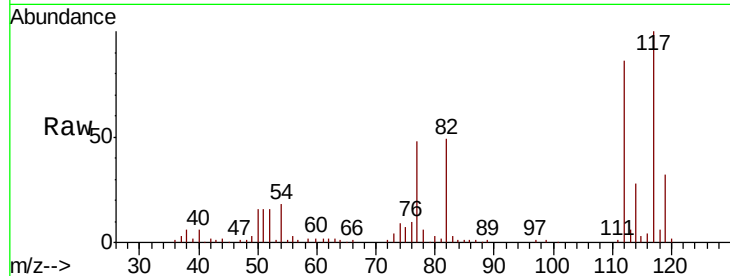




#65
Chlorobenzene
Concen: 3.41 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050471.D
Acq: 8 Aug 2018 20:12

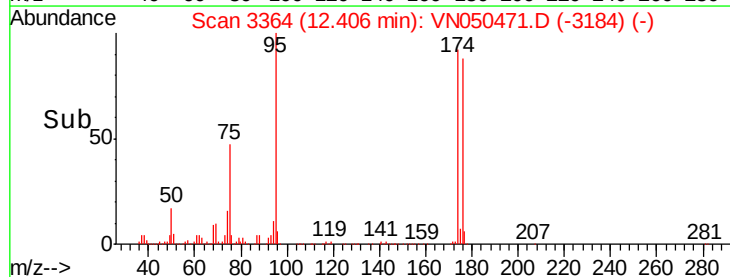
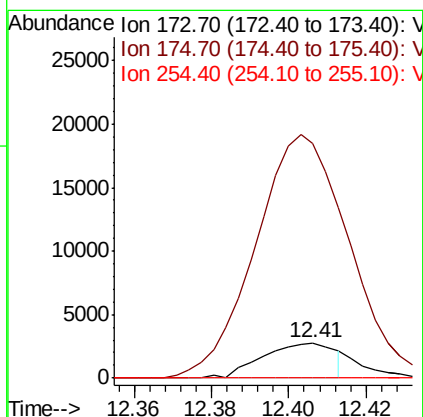
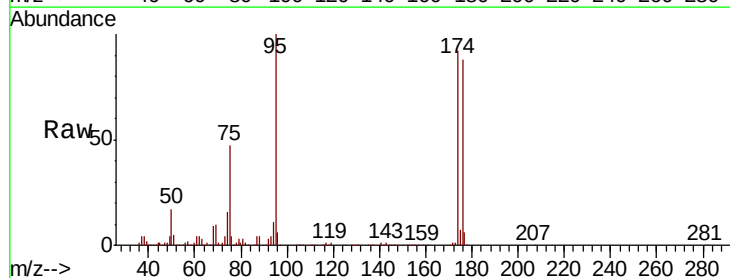
Instrument :
MSVOA_N
ClientSampled :
MW-08

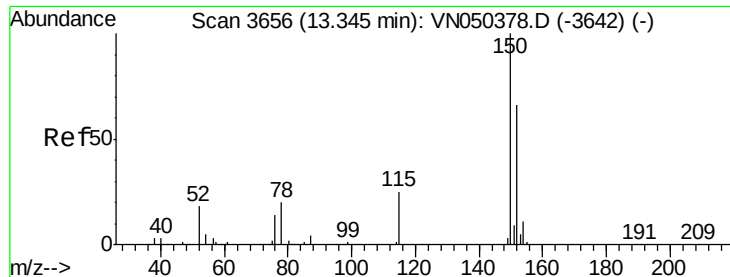
Tot Ion:112 Resp: 86922
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#71
Bromoform
Concen: 0.54 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050471.D
Acq: 8 Aug 2018 20:12

Tgt Ion:173 Resp: 3662
Ion Ratio Lower Upper
173 100
175 727.9 24.1 72.2#
254 0.0 0.2 0.2#



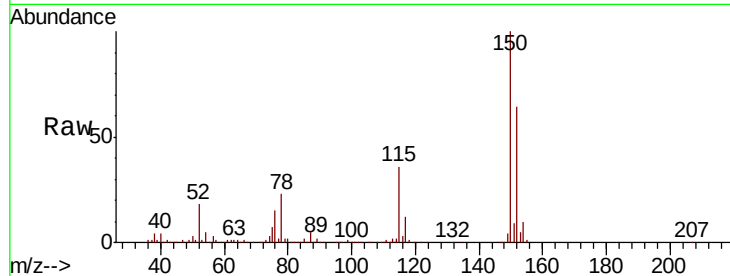


#72

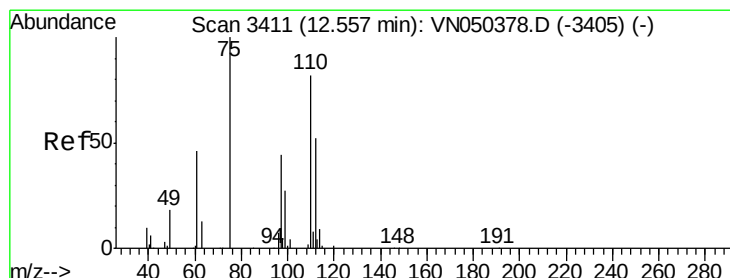
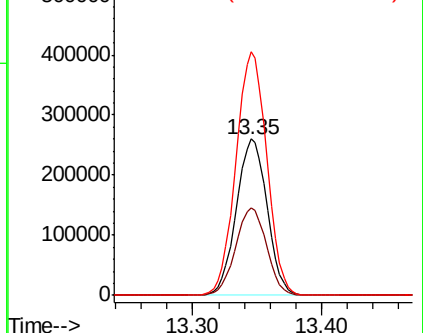
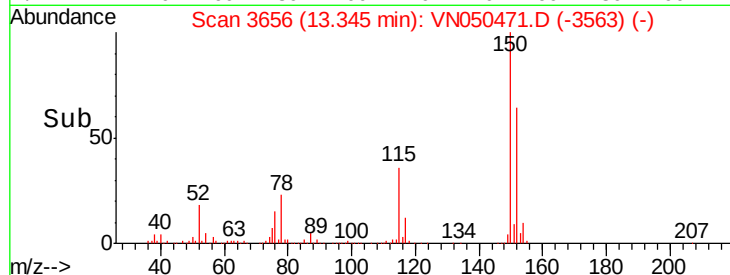
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050471.D
Acq: 8 Aug 2018 20:12

Instrument :
MSVOA_N
ClientSampled :
MW-08

Tot Ion:152 Resp: 431156
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.3
150 156.3 0.0 348.6



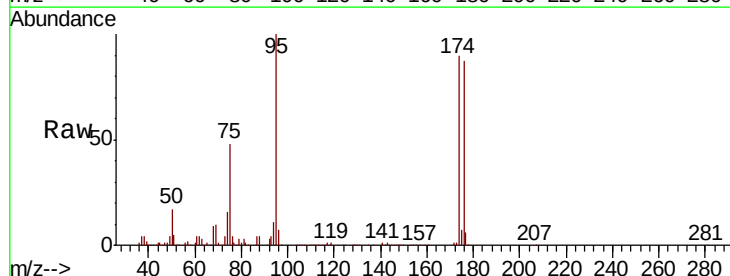
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



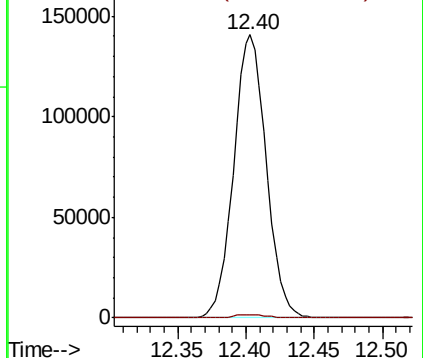
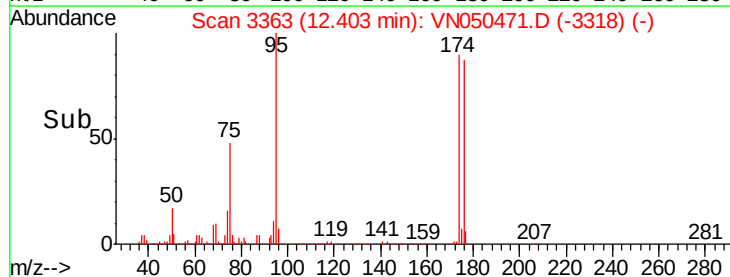
#76

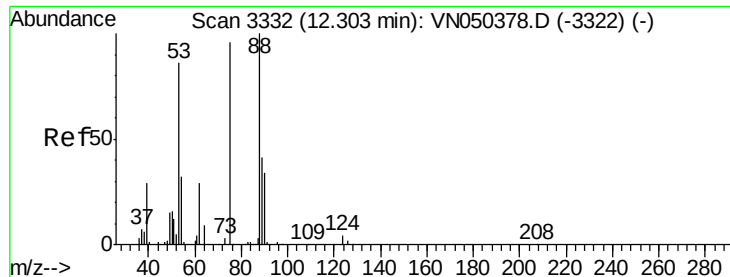
1,2,3-Trichloropropane
Concen: 29.81 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.15 min
Lab File: VN050471.D
Acq: 8 Aug 2018 20:12

Tgt Ion: 75 Resp: 232617
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 104.72 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050471.D

Acq: 8 Aug 2018 20:12

Instrument :

MSVOA_N

ClientSampleId :

MW-08

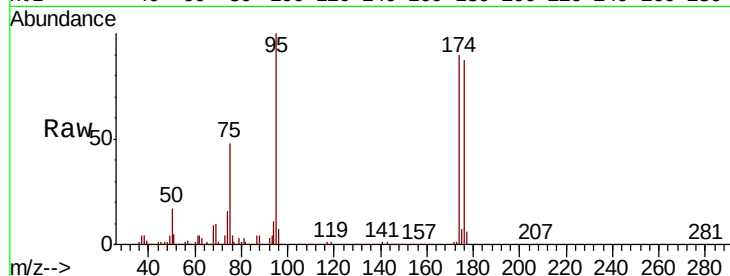
Tot Ion: 75 Resp: 232617

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

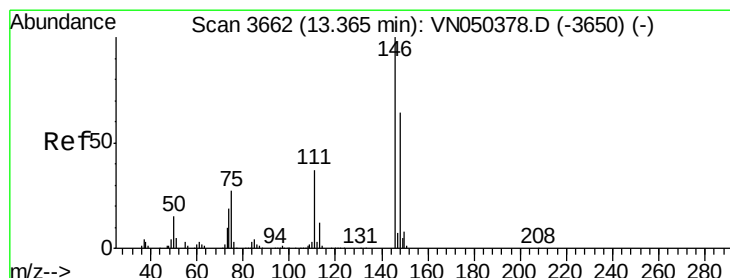
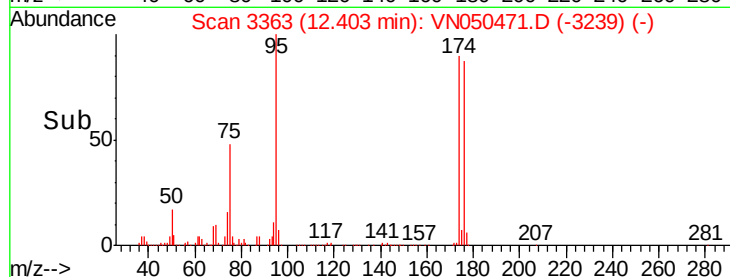
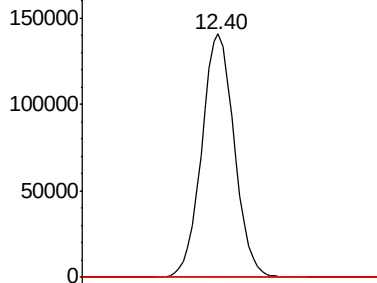
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#88

1,4-Dichlorobenzene

Concen: 0.22 ug/l

RT: 13.37 min Scan# 3663

Delta R.T. 0.00 min

Lab File: VN050471.D

Acq: 8 Aug 2018 20:12

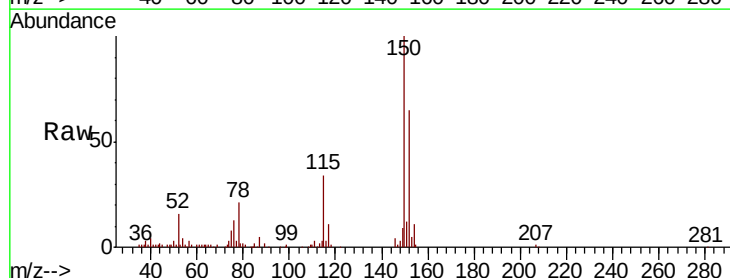
Tgt Ion: 146 Resp: 3440

Ion Ratio Lower Upper

146 100

111 196.3 18.3 54.9#

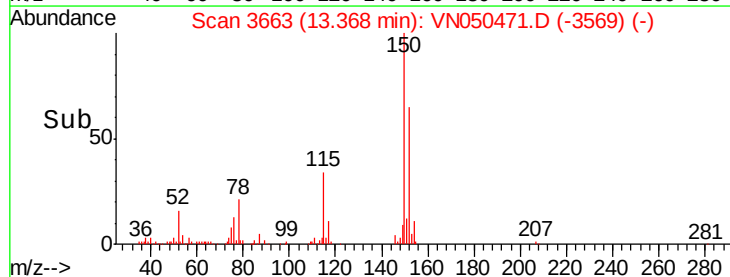
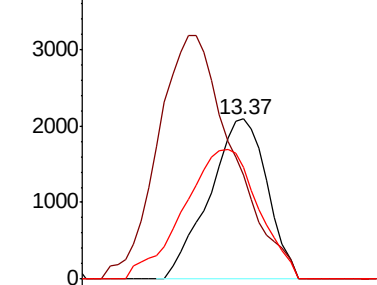
148 104.1 31.9 95.9#

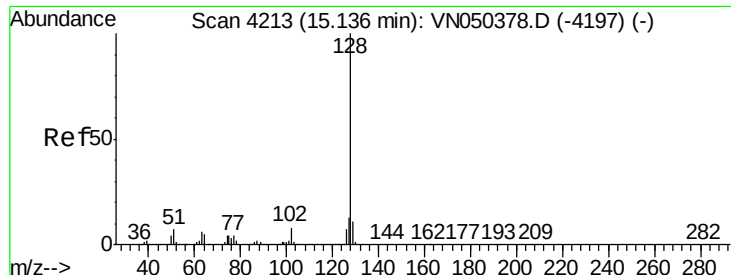


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#95
 Naphthalene
 Concen: 3.62 ug/l
 RT: 15.12 min Scan# 4209
 Delta R.T. -0.01 min
 Lab File: VN050471.D
 Acq: 8 Aug 2018 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-08

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

