

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050764.D
 Acq On : 20 Aug 2018 10:52
 Operator : MD\SY
 Sample : VN0820WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBL01

Quant Time: Aug 21 02:35:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	109106	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	557482	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	477211	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	218405	29.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.17%
60) 4-Bromofluorobenzene	12.40	95	157587	21.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	71.63%
63) Toluene-d8	10.09	98	656227	28.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.97%

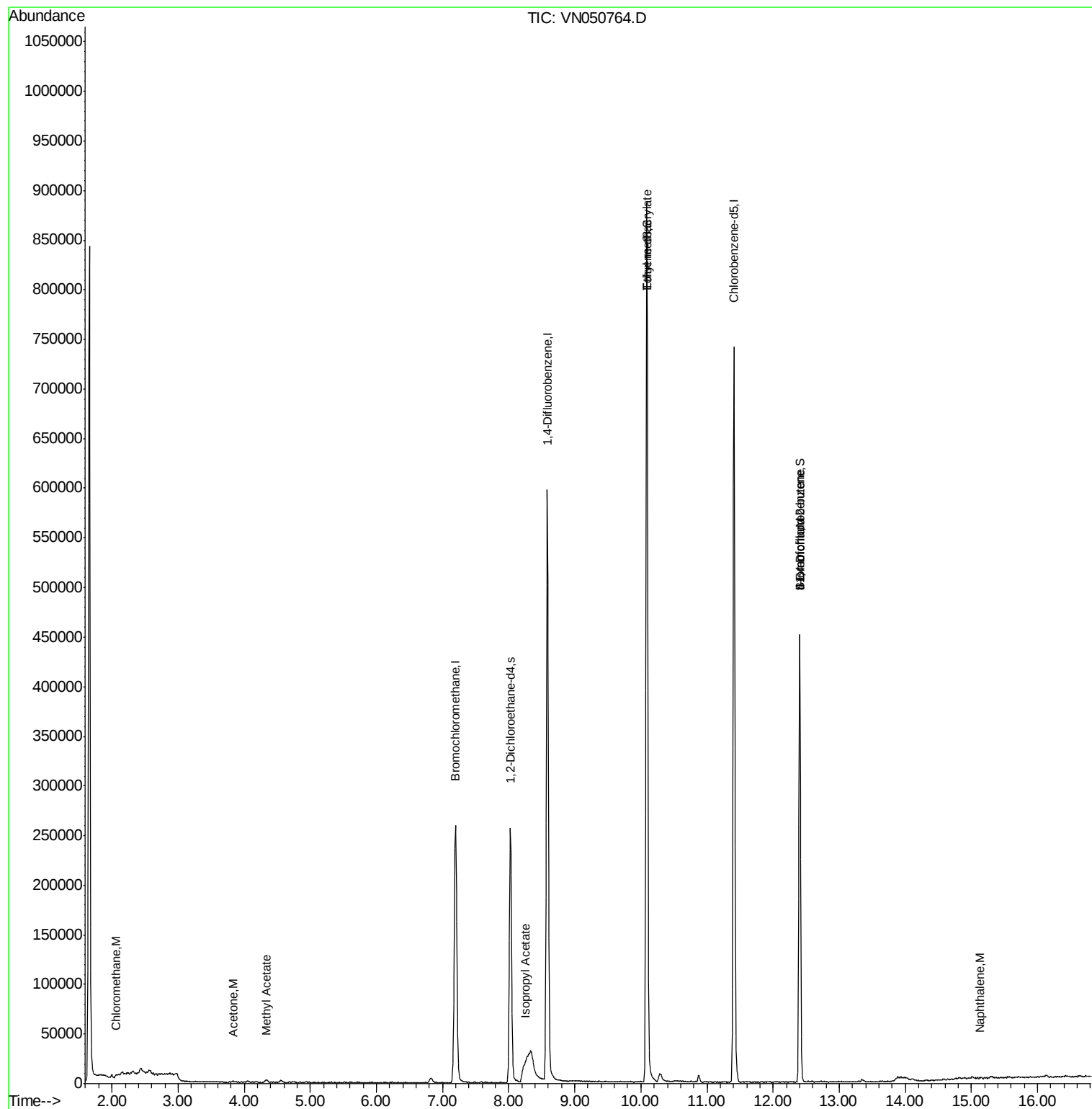
Target Compounds						Ovalue
3) Chloromethane	2.06	50	1802	0.23	ug/l	92
12) Methyl Acetate	4.34	43	5398	0.81	ug/l	99
15) Acetone	3.82	58	225	0.38	ug/l #	31
44) Isopropyl Acetate	8.24	43	12823	1.22	ug/l #	57
51) Ethyl methacrylate	10.09	69	2228	0.30	ug/l	88
56) Bromoform	12.40	173	1862	0.38	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	75888	36.48	ug/l #	14
91) Naphthalene	15.13	128	818	7.68	ug/l #	94

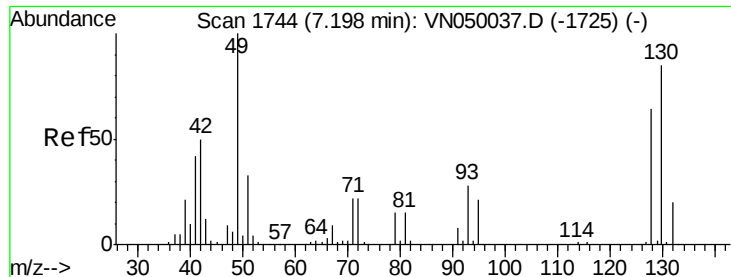
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN050764.D
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBL01

Quant Time: Aug 21 02:35:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

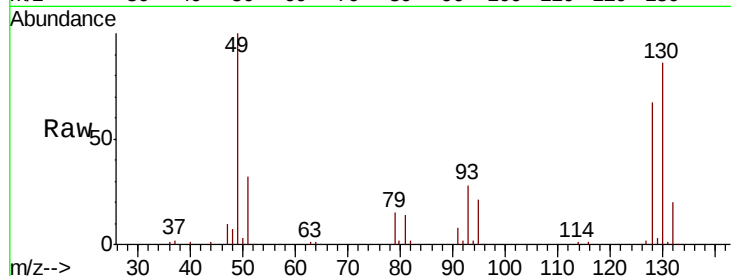




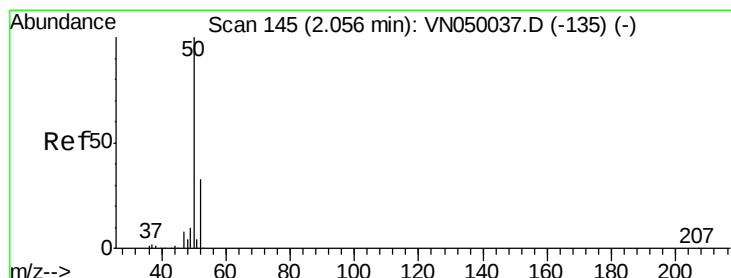
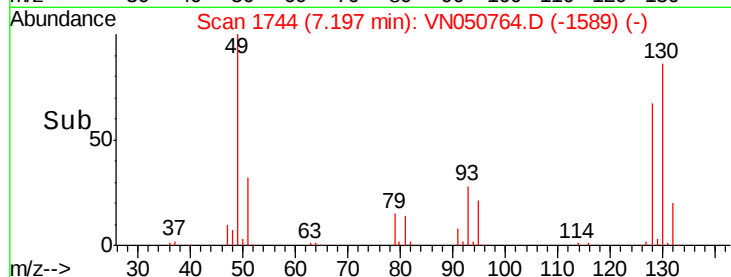
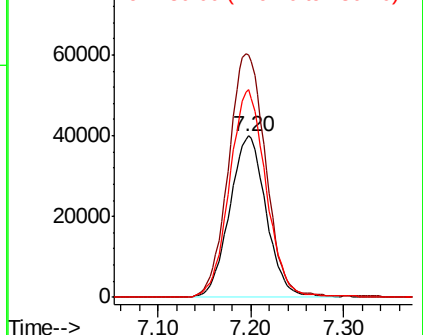
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.20 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VN050764.D
Acq: 20 Aug 2018 10:52

Instrument :
MSVOA_N
ClientSampled :
VN0820WBL01

Tot Ion:128 Resp: 109106
Ion Ratio Lower Upper
128 100
49 154.2 0.0 378.3
130 128.5 0.0 320.7

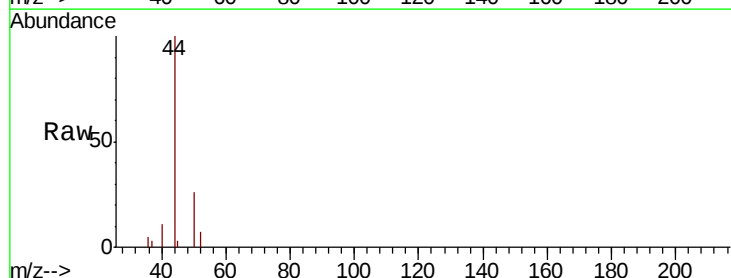


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

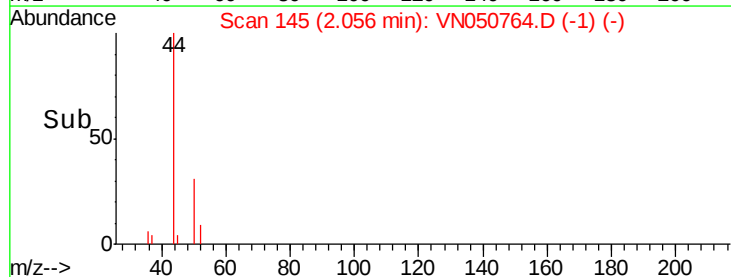
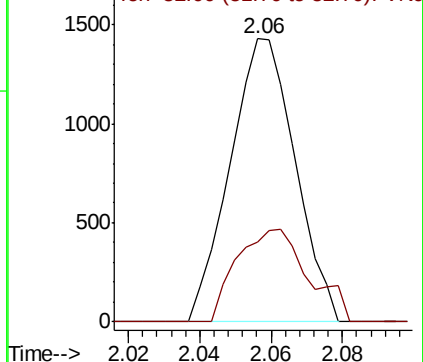


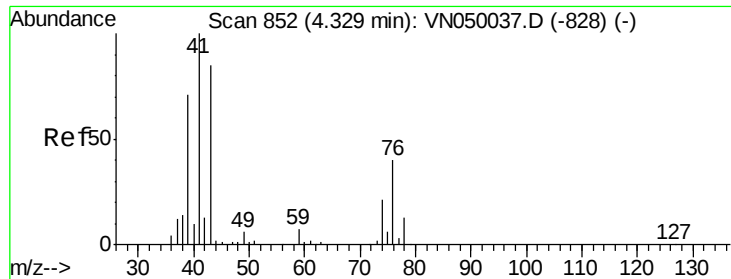
#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.06 min Scan# 145
Delta R.T. -0.00 min
Lab File: VN050764.D
Acq: 20 Aug 2018 10:52

Tgt Ion: 50 Resp: 1802
Ion Ratio Lower Upper
50 100
52 28.4 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VN
Ion 52.00 (51.70 to 52.70): VN

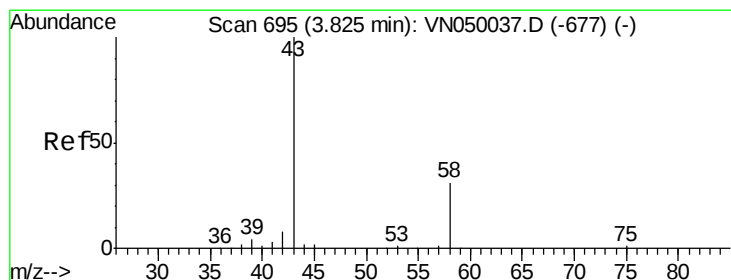
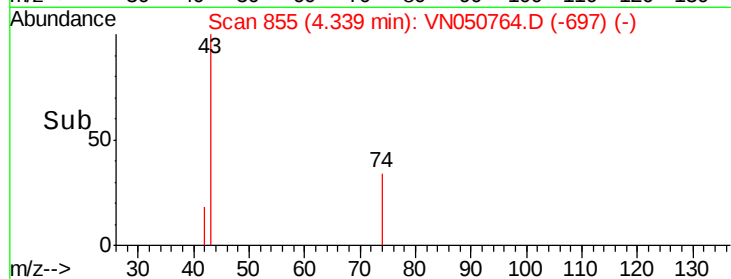
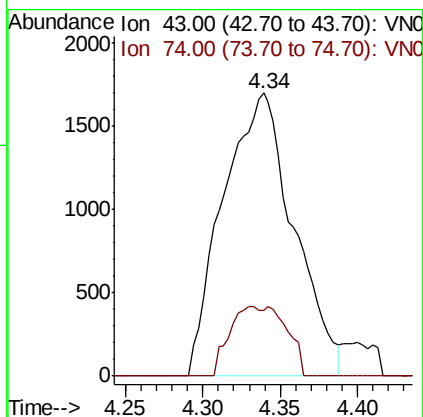
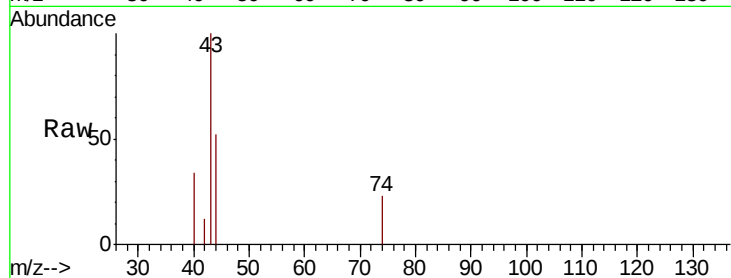




#12
Methvl Acetate
Concen: 0.81 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050764.D
Acq: 20 Aug 2018 10:52

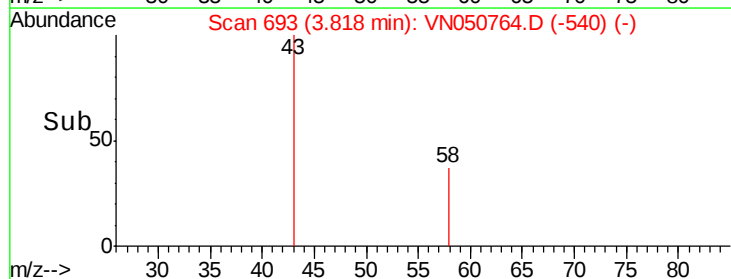
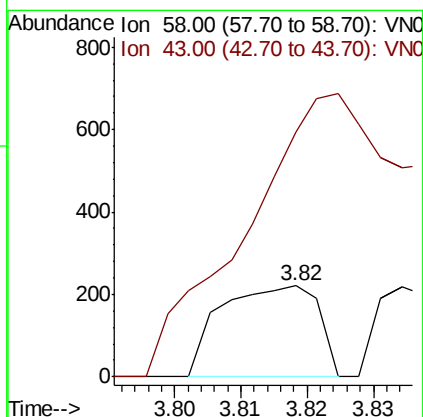
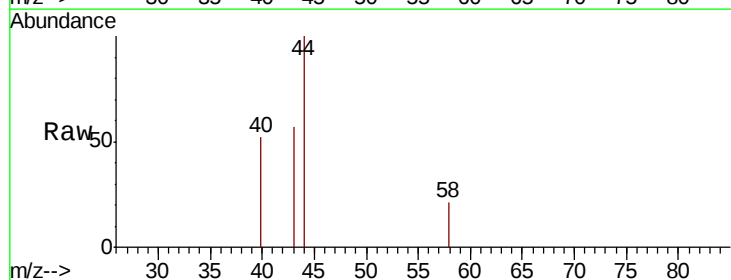
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBL01

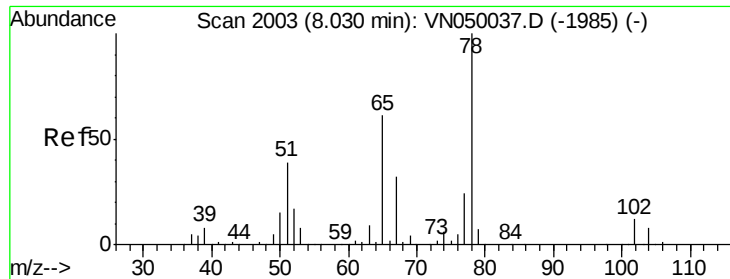
Tot Ion: 43 Resp: 5398
Ion Ratio Lower Upper
43 100
74 24.8 19.3 28.9



#15
Acetone
Concen: 0.38 ug/l
RT: 3.82 min Scan# 693
Delta R.T. -0.01 min
Lab File: VN050764.D
Acq: 20 Aug 2018 10:52

Tgt Ion: 58 Resp: 225
Ion Ratio Lower Upper
58 100
43 174.7 252.0 378.0#

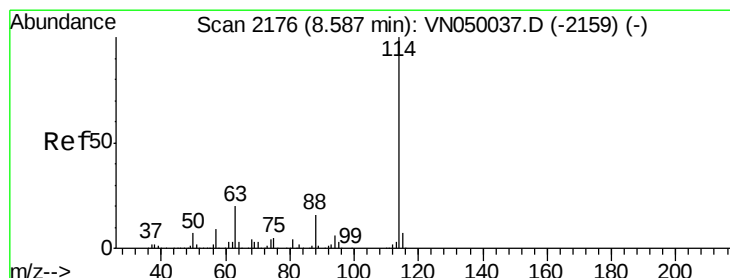
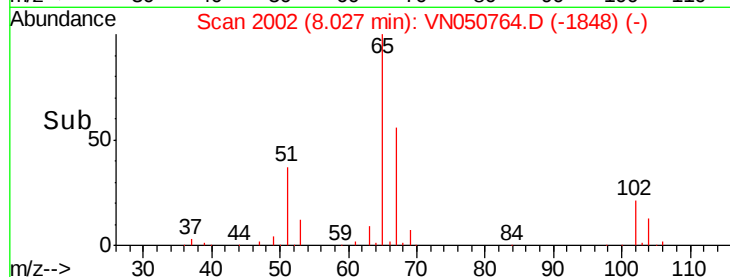
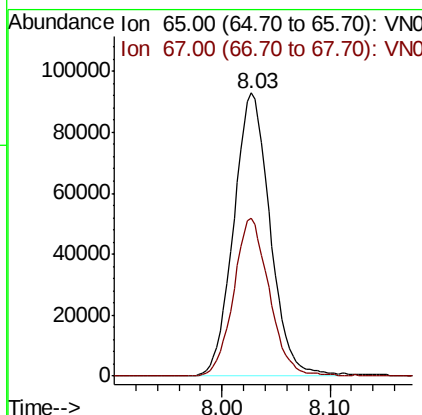
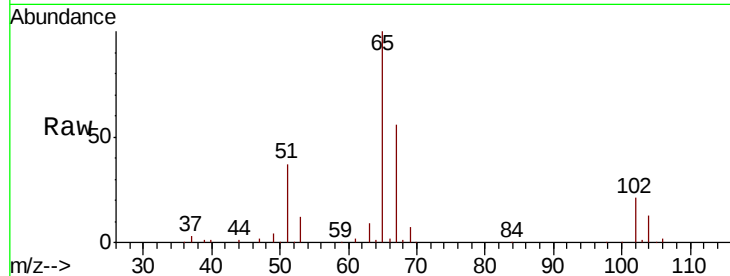




#27
 1,2-Dichloroethane-d4
 Concen: 29.45 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050764.D
 Acq: 20 Aug 2018 10:52

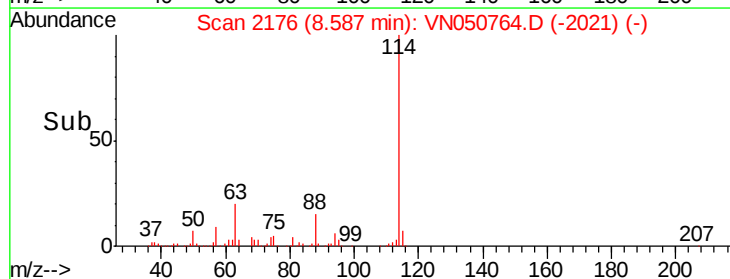
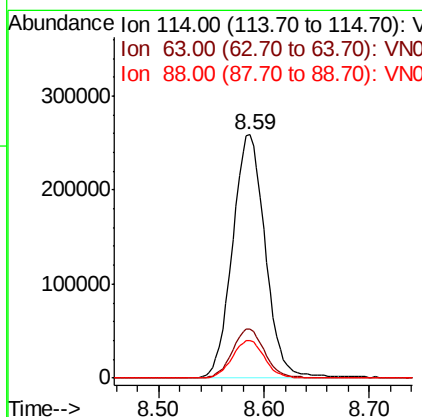
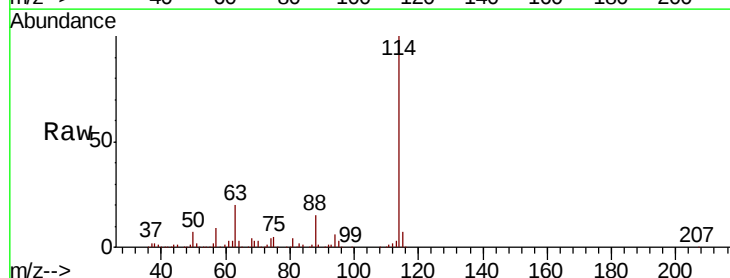
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBL01

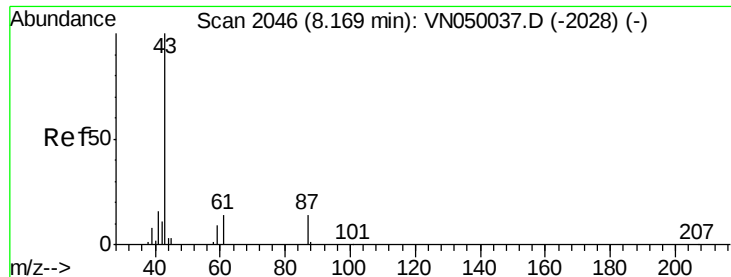
Tot Ion: 65 Resp: 218405
 Ion Ratio Lower Upper
 65 100
 67 54.6 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050764.D
 Acq: 20 Aug 2018 10:52

Tgt Ion: 114 Resp: 557482
 Ion Ratio Lower Upper
 114 100
 63 19.8 16.2 24.2
 88 15.4 12.3 18.5



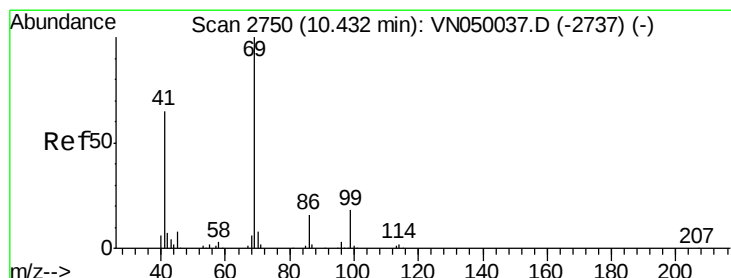
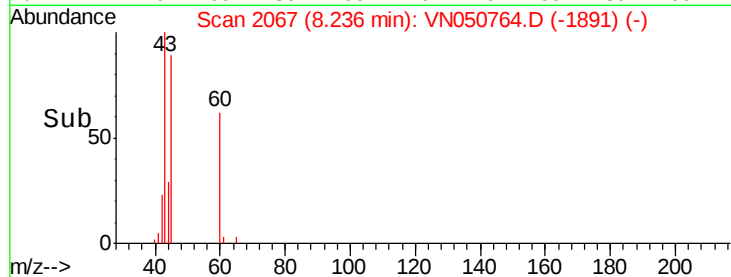
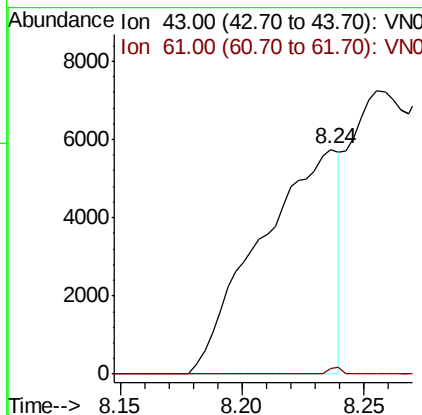
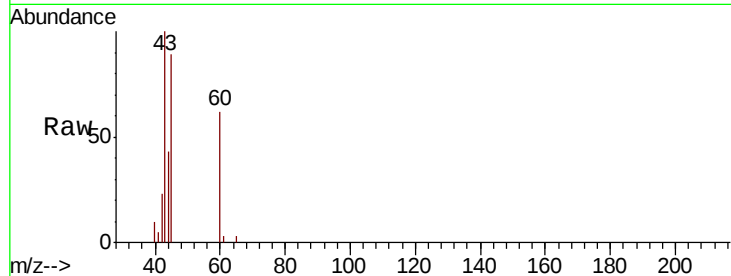


#44

Isopropyl Acetate
 Concen: 1.22 ug/l
 RT: 8.24 min Scan# 2067
 Delta R.T. 0.07 min
 Lab File: VN050764.D
 Acq: 20 Aug 2018 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBL01

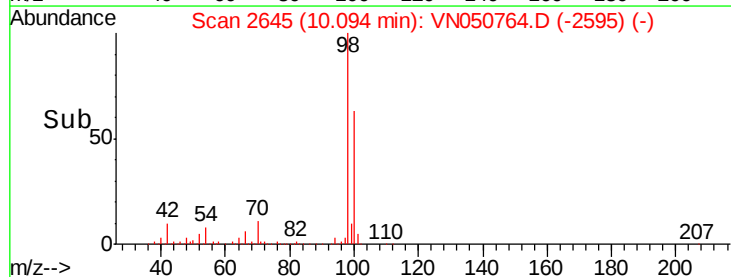
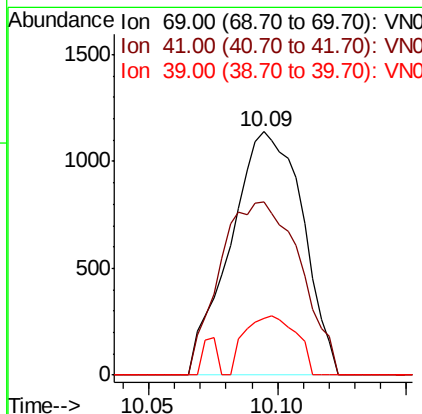
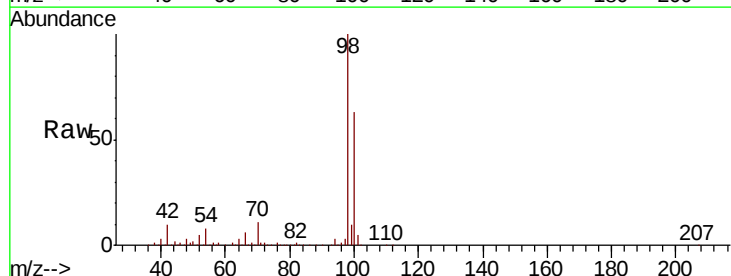
Tot Ion: 43 Resp: 12823
 Ion Ratio Lower Upper
 43 100
 61 0.5 16.4 24.6#

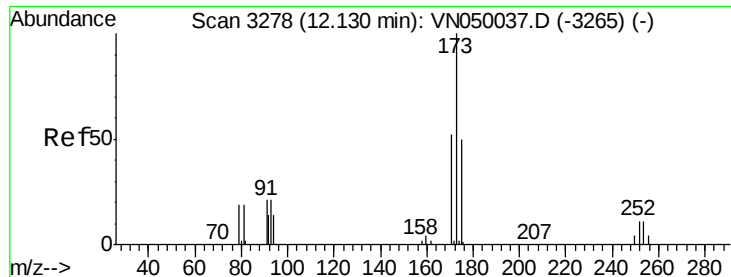


#51

Ethyl methacrylate
 Concen: 0.30 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. -0.34 min
 Lab File: VN050764.D
 Acq: 20 Aug 2018 10:52

Tgt Ion: 69 Resp: 2228
 Ion Ratio Lower Upper
 69 100
 41 71.4 31.9 95.9
 39 23.2 16.7 50.1

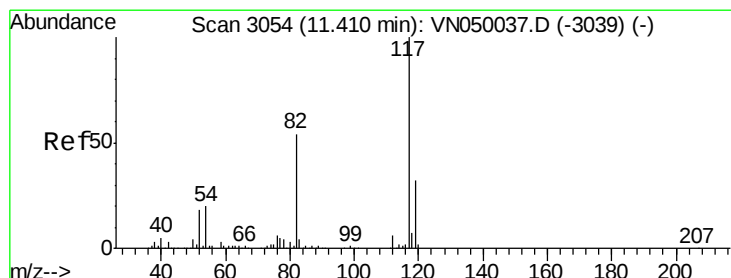
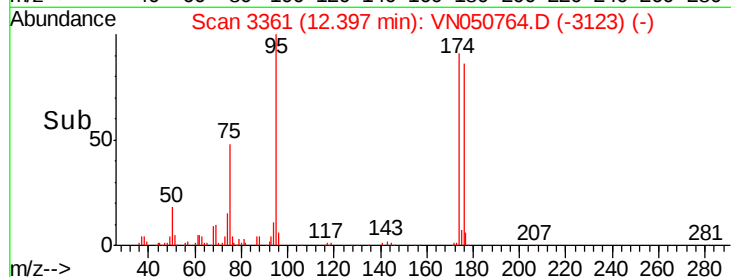
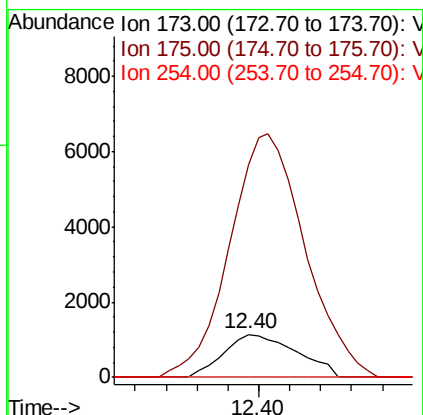
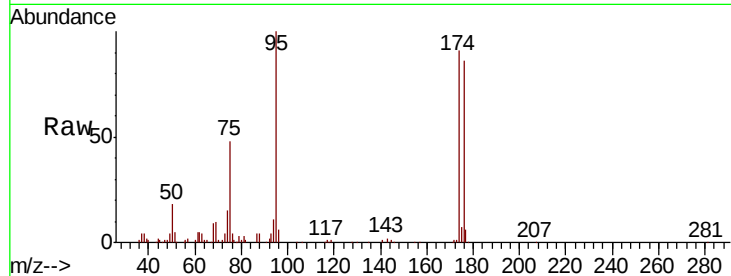




#56
Bromoform
Concen: 0.38 ug/l
RT: 12.40 min Scan# 3361
Delta R.T. 0.27 min
Lab File: VN050764.D
Acq: 20 Aug 2018 10:52

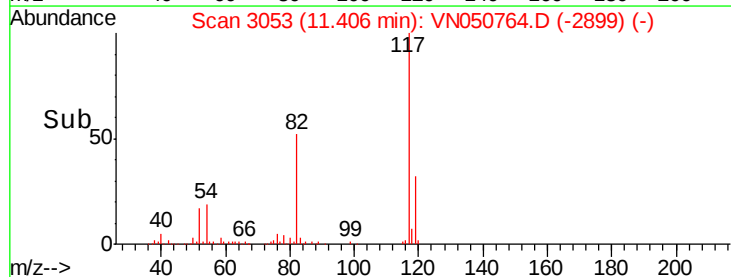
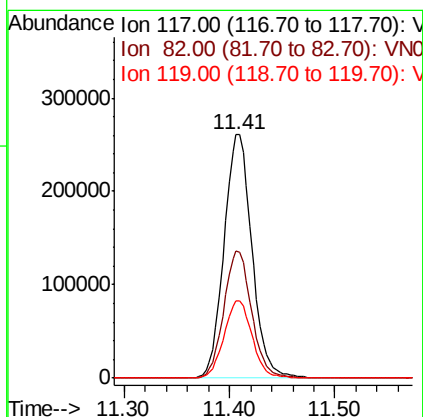
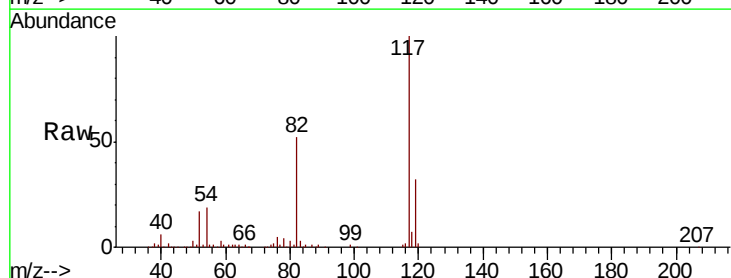
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBL01

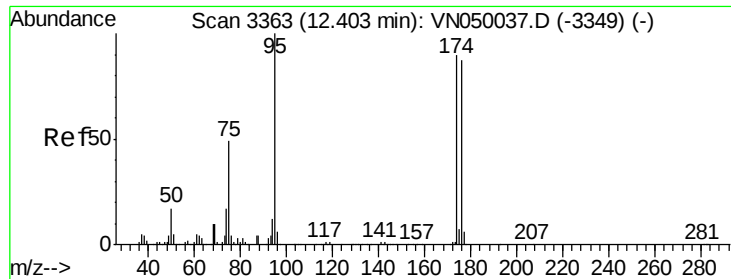
Tot Ion:173 Resp: 1862
Ion Ratio Lower Upper
173 100
175 588.5 38.6 57.8#
254 0.0 8.8 13.2#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050764.D
Acq: 20 Aug 2018 10:52

Tgt Ion:117 Resp: 477211
Ion Ratio Lower Upper
117 100
82 51.9 42.4 63.6
119 32.0 25.4 38.0





#60

4-Bromofluorobenzene

Concen: 21.49 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050764.D

Acq: 20 Aug 2018 10:52

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBL01

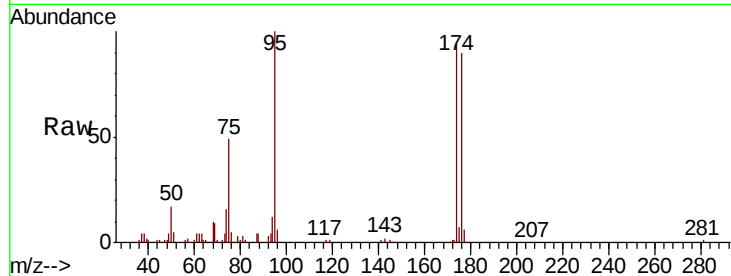
Tot Ion: 95 Resp: 157587

Ion Ratio Lower Upper

95 100

174 94.0 72.3 108.5

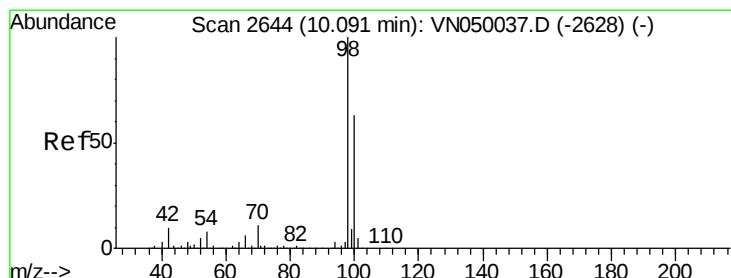
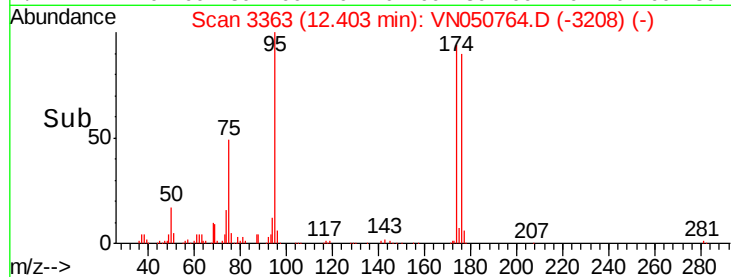
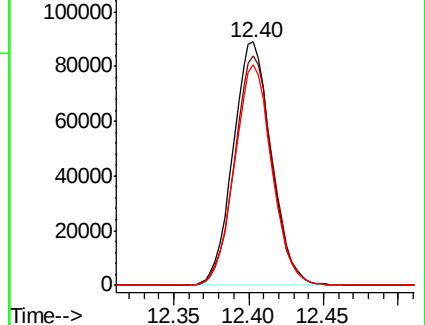
176 88.9 70.0 105.0



Abundance Ion 95.00 (94.70 to 95.70): VN050037.D (-3349) (-)

Ion 174.00 (173.70 to 174.70): VN050037.D (-3349) (-)

Ion 176.00 (175.70 to 176.70): VN050037.D (-3349) (-)



#63

Toluene-d8

Concen: 28.79 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050764.D

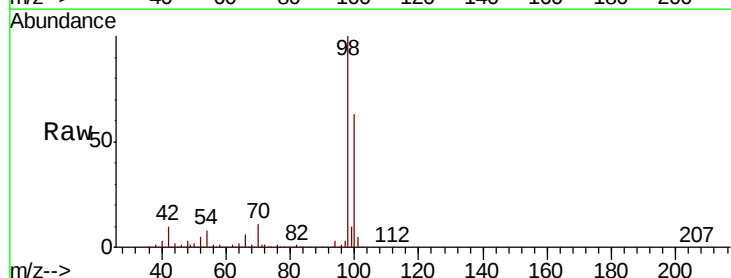
Acq: 20 Aug 2018 10:52

Tgt Ion: 98 Resp: 656227

Ion Ratio Lower Upper

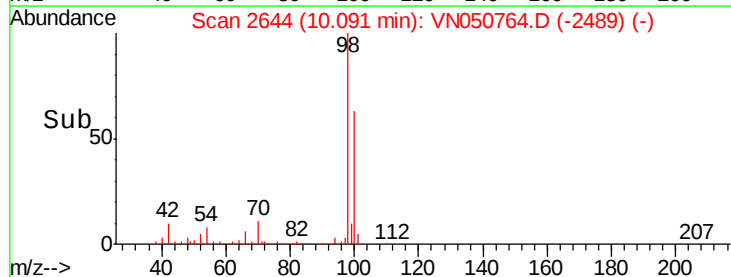
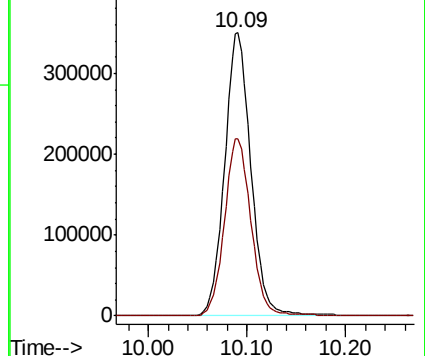
98 100

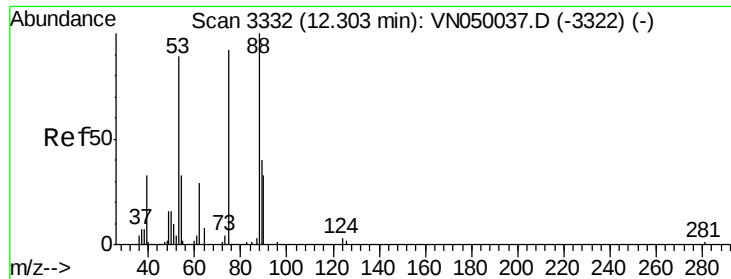
100 63.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN050037.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-2628) (-)

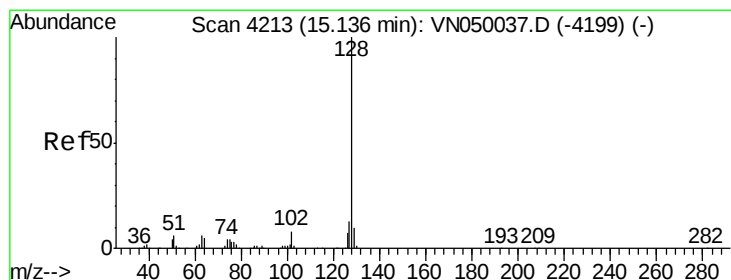
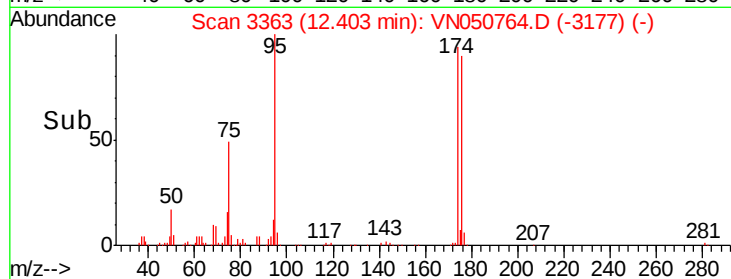
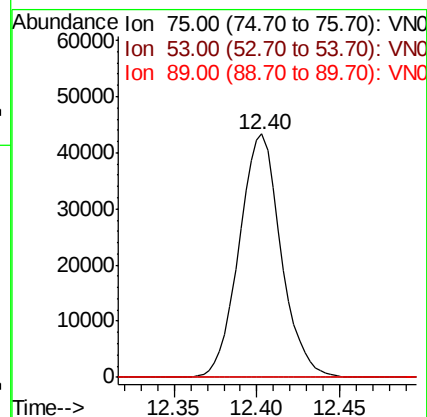
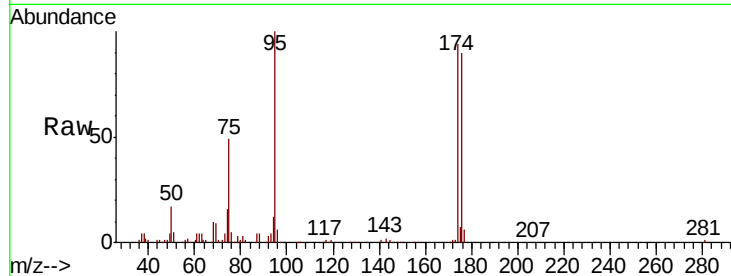




#77
t-1,4-Dichloro-2-butene
Concen: 36.48 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050764.D
Acq: 20 Aug 2018 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBL01

Tot Ion: 75 Resp: 75888
Ion Ratio Lower Upper
75 100
53 0.0 44.6 134.0#
89 0.0 20.7 62.1#



#91
Naphthalene
Concen: 7.68 ug/l
RT: 15.13 min Scan# 4210
Delta R.T. -0.01 min
Lab File: VN050764.D
Acq: 20 Aug 2018 10:52

Tgt Ion: 128 Resp: 818
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 7.6 9.0 13.4#

