

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055074.D
 Acq On : 16 Apr 2019 13:22
 Operator : JC/SP
 Sample : K2408-02 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Apr 17 01:33:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	71481	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	376323	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	321737	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	164769	30.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.80%
60) 4-Bromofluorobenzene	12.40	95	121249	24.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.70%
63) Toluene-d8	10.09	98	469820	30.71	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.37%

Target Compounds

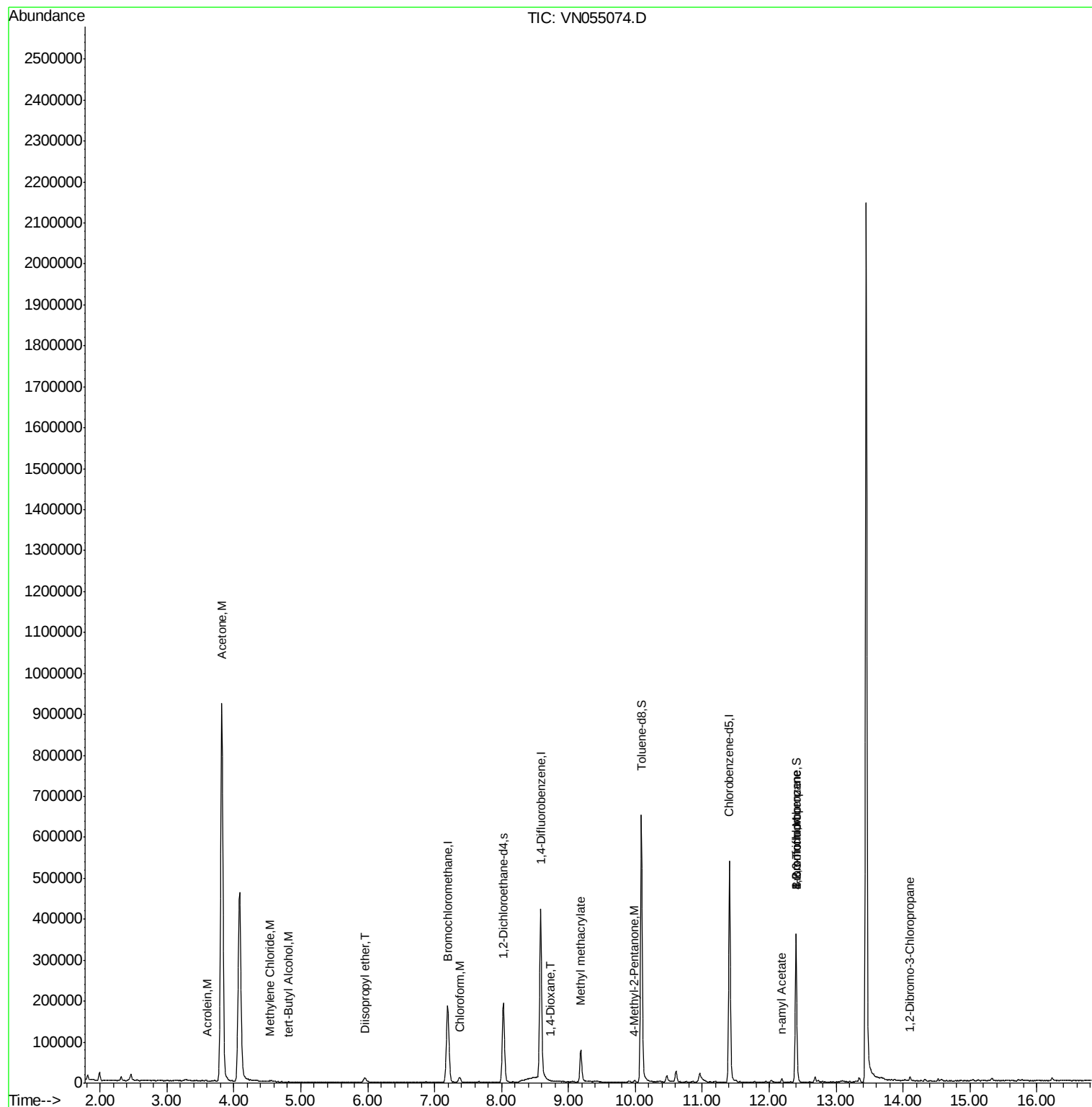
					Ovalue
13) Acrolein	3.61	56	224	0.655 ug/l	97
15) Acetone	3.82	58	410992	1039.157 ug/l	97
18) Methylene Chloride	4.54	84	1790	0.382 ug/l #	60
20) Diisopropyl ether	5.95	45	11994	0.758 ug/l #	85
23) tert-Butyl Alcohol	4.81	59	104	0.408 ug/l #	100
25) Chloroform	7.37	83	12486	1.542 ug/l	94
45) 1,4-Dioxane	8.72	88	69	1.854 ug/l #	1
46) Methyl methacrylate	9.18	41	1556	0.448 ug/l #	50
47) n-amyl Acetate	12.19	43	1602	0.324 ug/l	92
56) Bromoform	12.40	173	1093	0.459 ug/l #	1
58) 4-Methyl-2-Pentanone	9.99	43	2006	0.541 ug/l #	88
72) 1,2,3-Trichloropropane	12.40	75	62924	17.849 ug/l	1
88) 1,2-Dibromo-3-Chloropropan	14.12	75	139	0.245 ug/l #	4

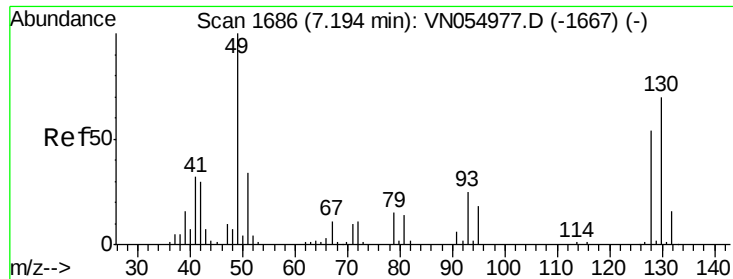
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041619\
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Quant Time: Apr 17 01:33:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055074.D

Acq: 16 Apr 2019 13:22

Instrument :

MSVOA_N

ClientSampled :

EFF-WW

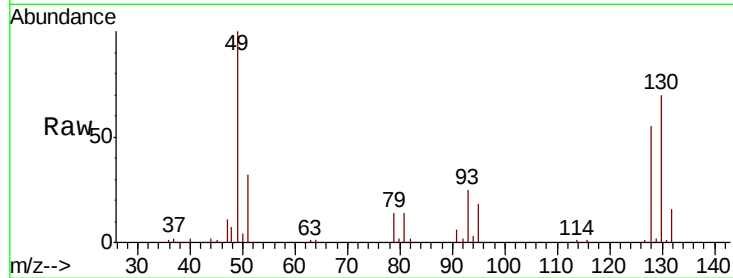
Tot Ion:128 Resp: 71481

Ion Ratio Lower Upper

128 100

49 185.3 0.0 480.3

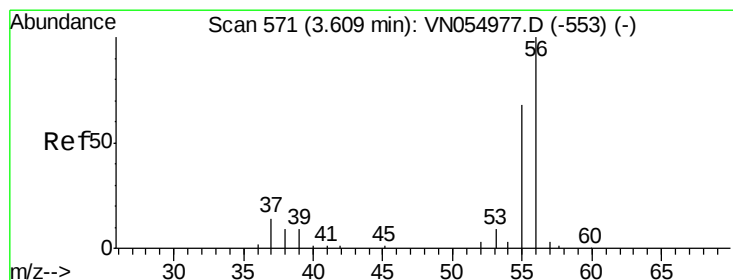
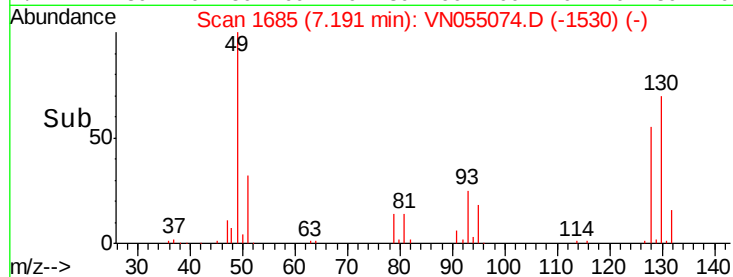
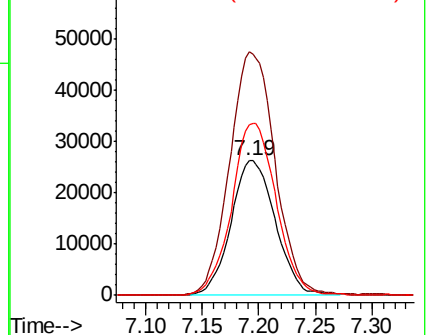
130 128.1 0.0 322.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#13

Acrolein

Concen: 0.655 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055074.D

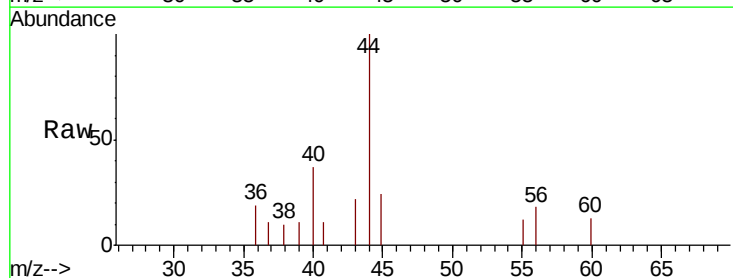
Acq: 16 Apr 2019 13:22

Tgt Ion: 56 Resp: 224

Ion Ratio Lower Upper

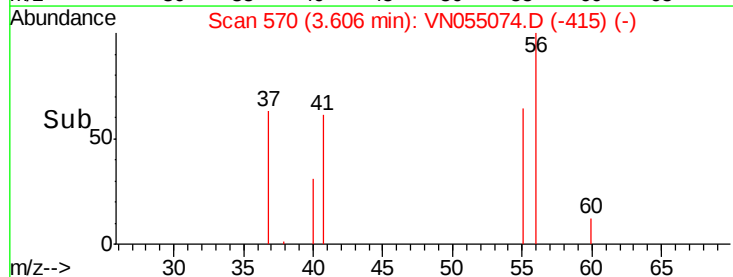
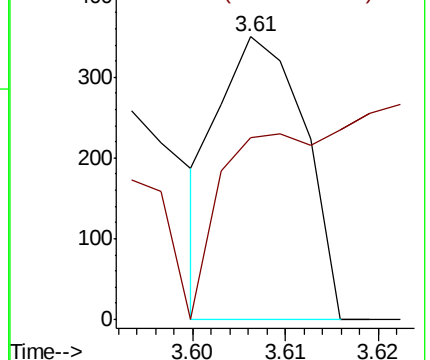
56 100

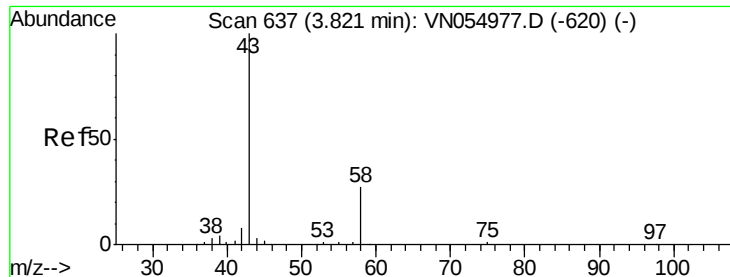
55 73.7 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acetone

Concen: 1039.157 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055074.D

Acq: 16 Apr 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

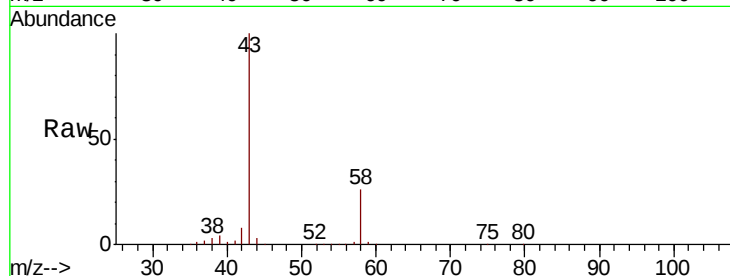
EFF-WW

Tot Ion: 58 Resp: 410992

Ion Ratio Lower Upper

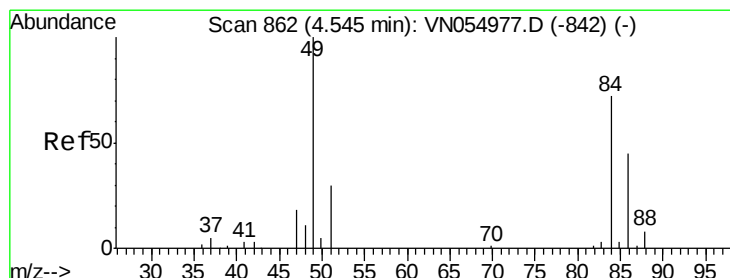
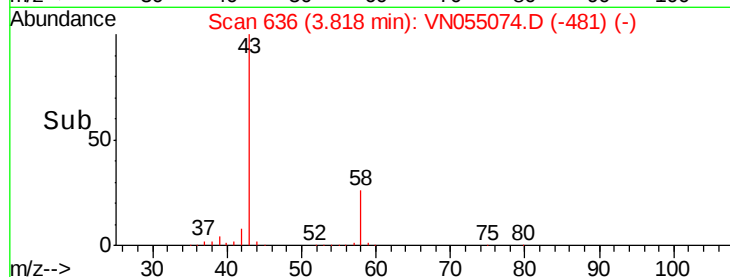
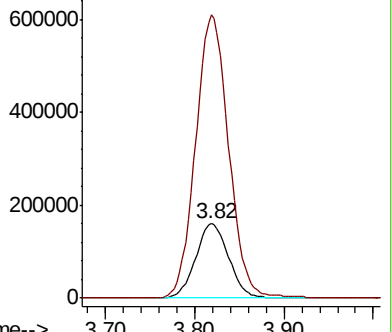
58 100

43 378.9 297.2 445.8



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#18

Methylene Chloride

Concen: 0.382 ug/l

RT: 4.54 min Scan# 860

Delta R.T. -0.01 min

Lab File: VN055074.D

Acq: 16 Apr 2019 13:22

Tgt Ion: 84 Resp: 1790

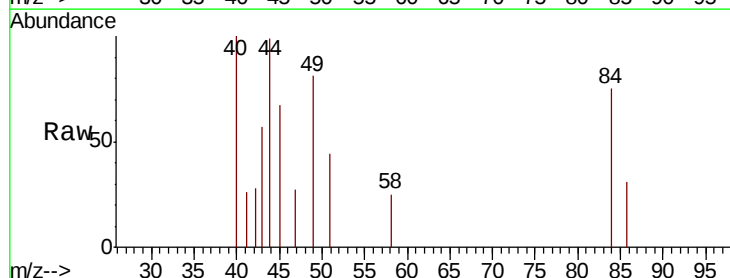
Ion Ratio Lower Upper

84 100

49 77.9 111.0 166.4#

51 58.6 33.4 50.2#

86 41.6 49.5 74.3#

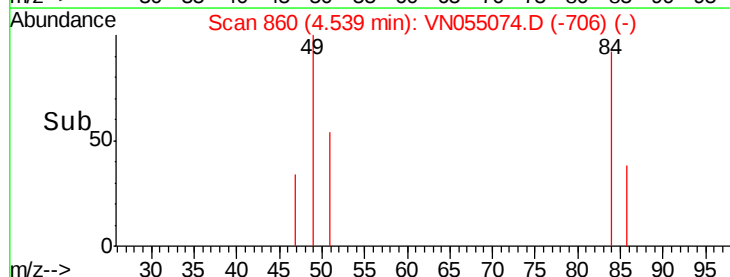
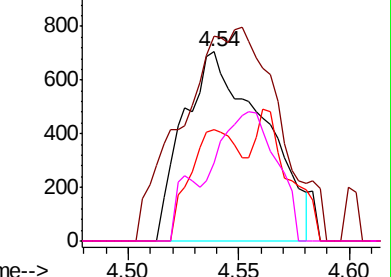


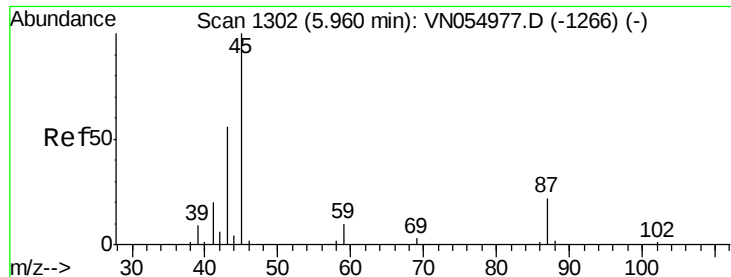
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

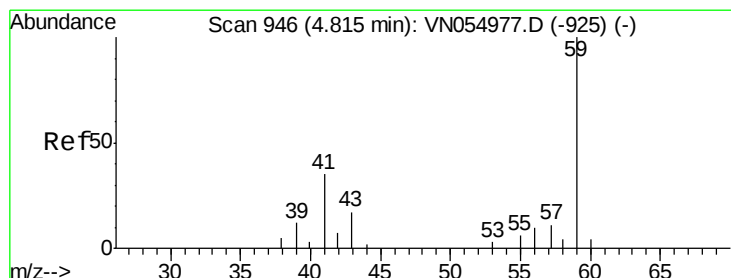
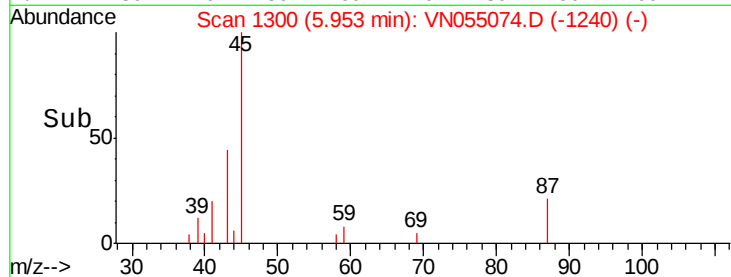
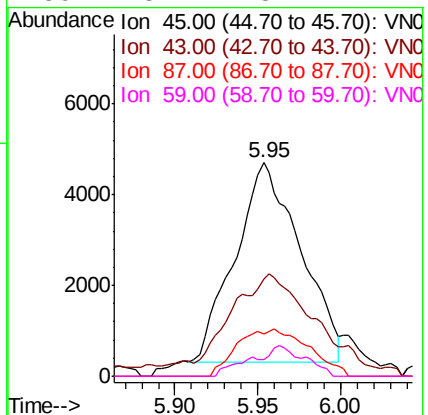
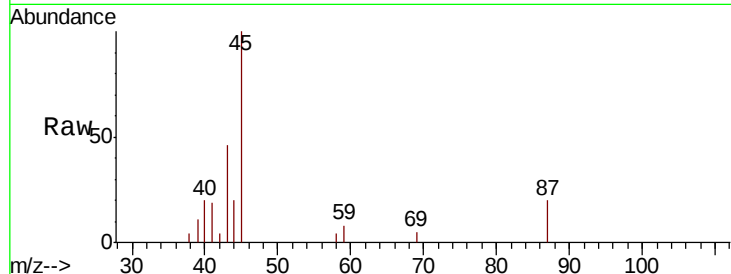




#20
Diisopropyl ether
Concen: 0.758 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VN055074.D
Acq: 16 Apr 2019 13:22

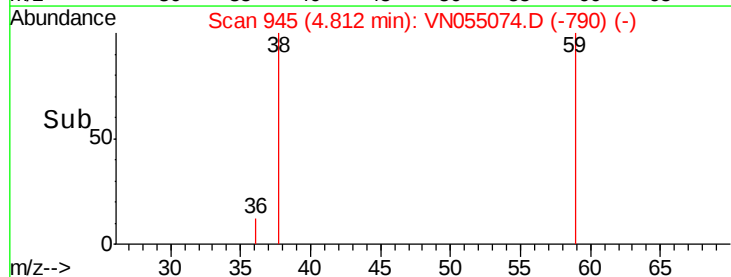
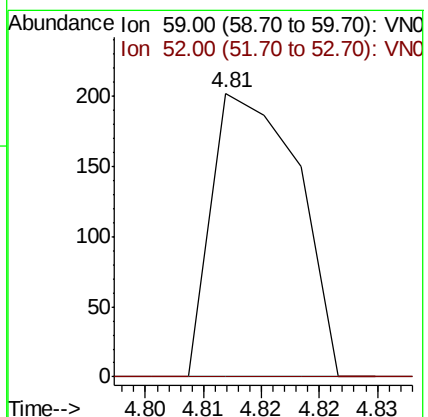
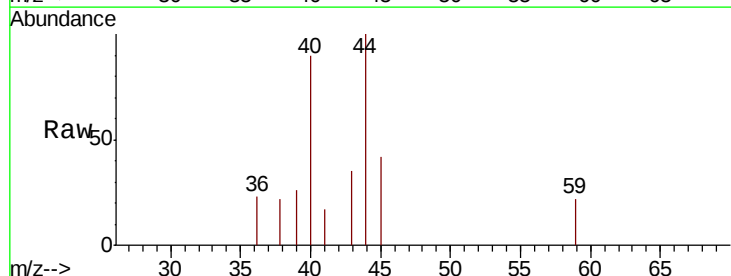
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

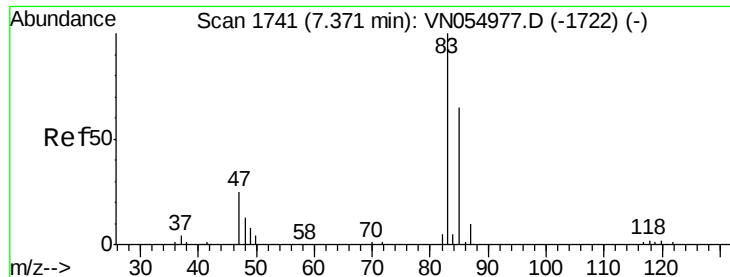
Tot Ion:	45	Resp:	11994
Ion	Ratio	Lower	Upper
45	100		
43	41.7	45.8	68.8#
87	21.4	18.2	27.4
59	8.2	8.2	12.2



#23
tert-Butyl Alcohol
Concen: 0.408 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.00 min
Lab File: VN055074.D
Acq: 16 Apr 2019 13:22

Tgt Ion:	59	Resp:	104
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

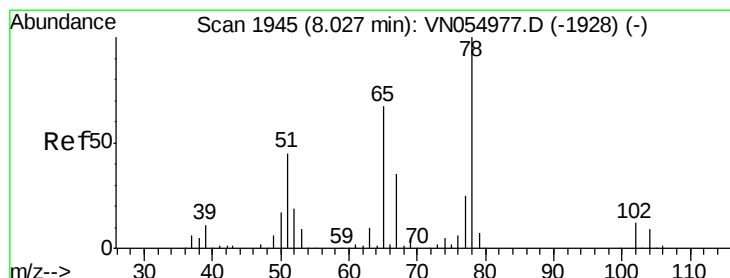
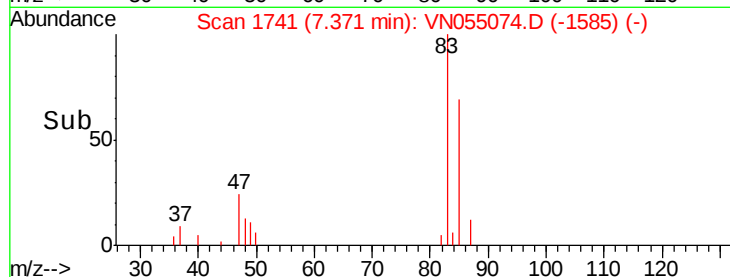
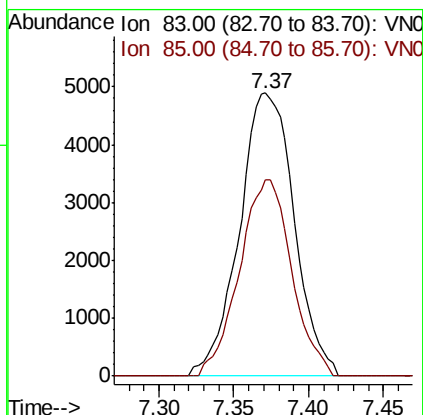
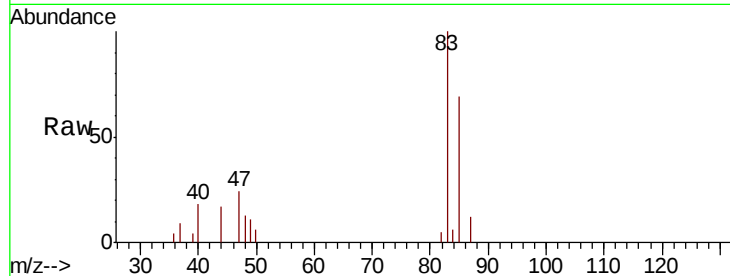




#25
Chloroform
Concen: 1.542 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055074.D
Acq: 16 Apr 2019 13:22

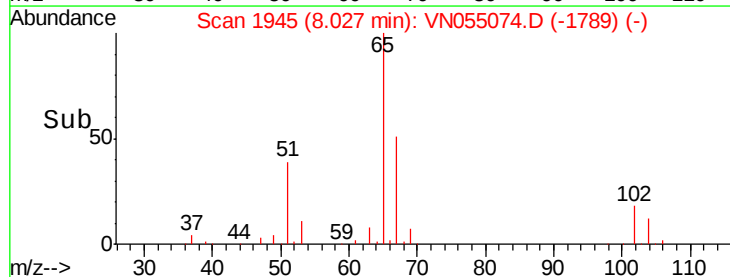
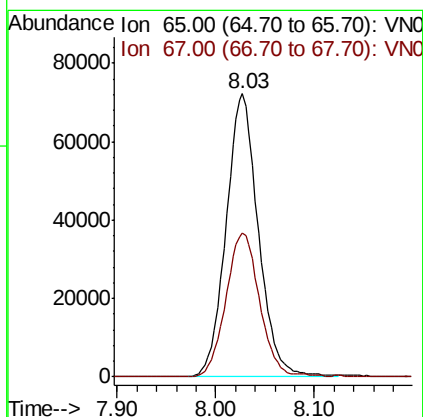
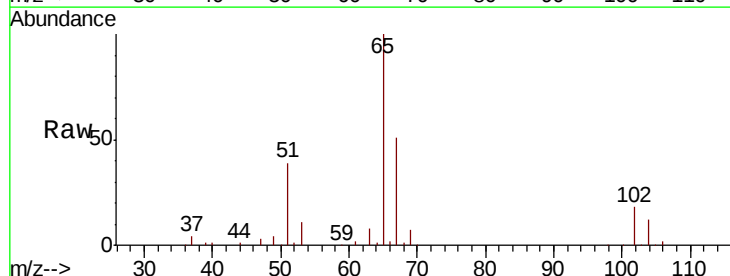
Instrument :
MSVOA_N
ClientSampled :
EFF-WW

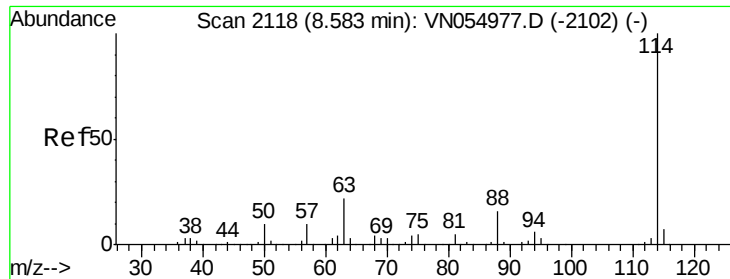
Tot Ion: 83 Resp: 12486
Ion Ratio Lower Upper
83 100
85 69.4 51.8 77.8



#27
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055074.D
Acq: 16 Apr 2019 13:22

Tgt Ion: 65 Resp: 164769
Ion Ratio Lower Upper
65 100
67 52.6 41.8 62.8

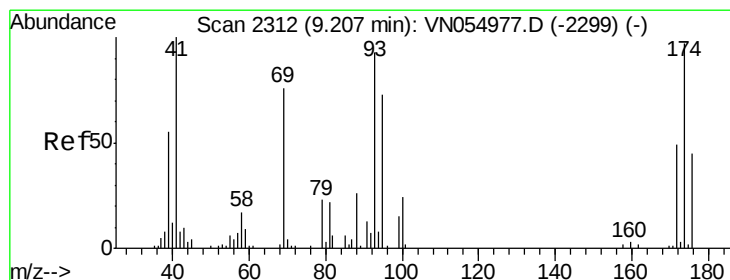
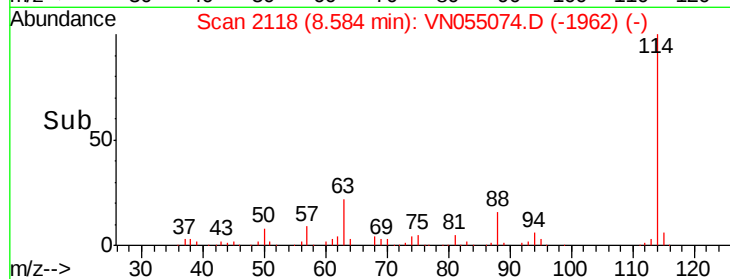
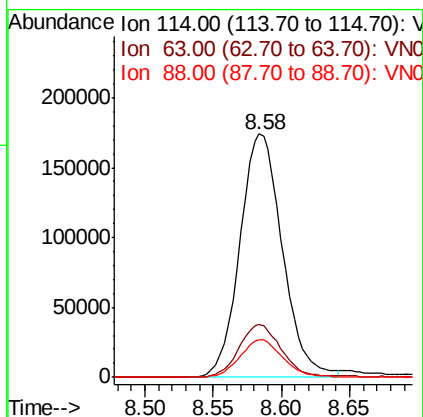
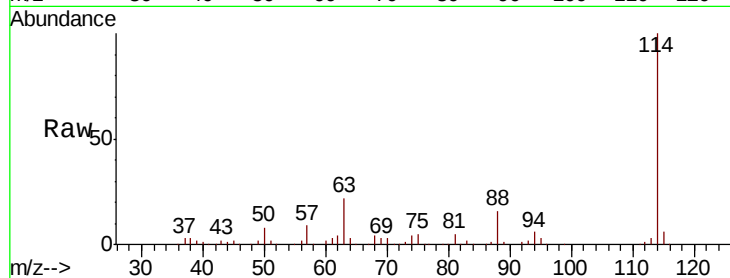




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055074.D
 Acq: 16 Apr 2019 13:22

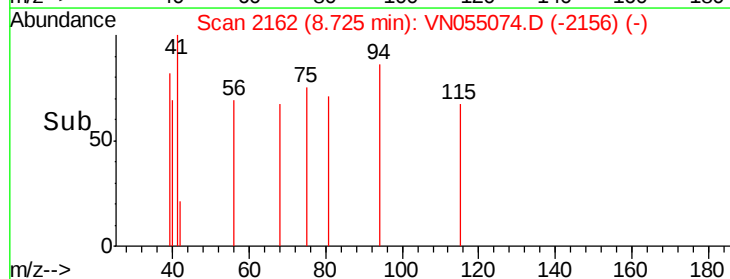
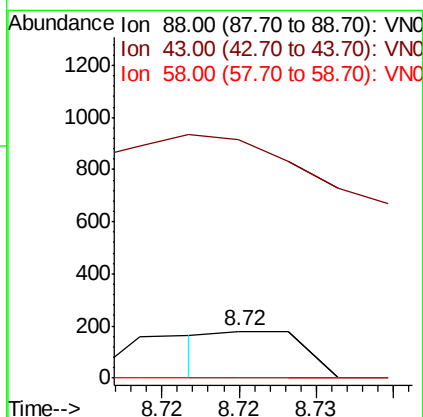
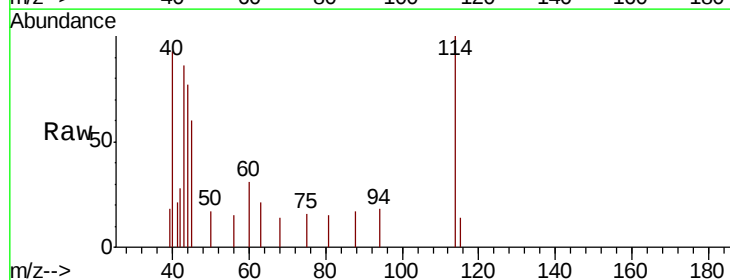
Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

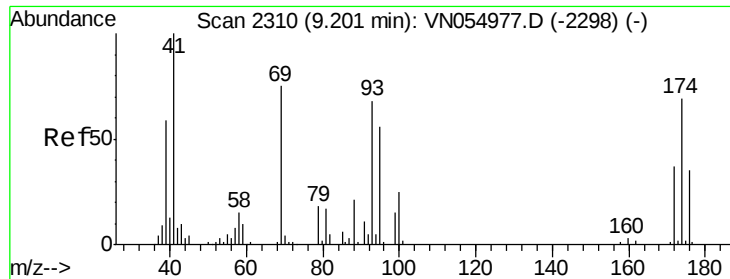
Tot Ion:114 Resp: 376323
 Ion Ratio Lower Upper
 114 100
 63 22.0 17.0 25.4
 88 15.6 12.3 18.5



#45
 1,4-Dioxane
 Concen: 1.854 ug/l
 RT: 8.72 min Scan# 2162
 Delta R.T. -0.48 min
 Lab File: VN055074.D
 Acq: 16 Apr 2019 13:22

Tgt Ion: 88 Resp: 69
 Ion Ratio Lower Upper
 88 100
 43 669.6 34.5 51.7#
 58 0.0 60.3 90.5#

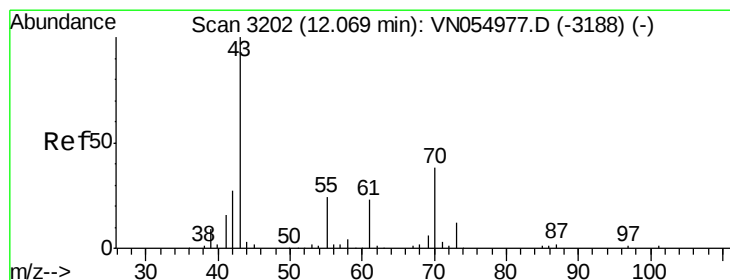
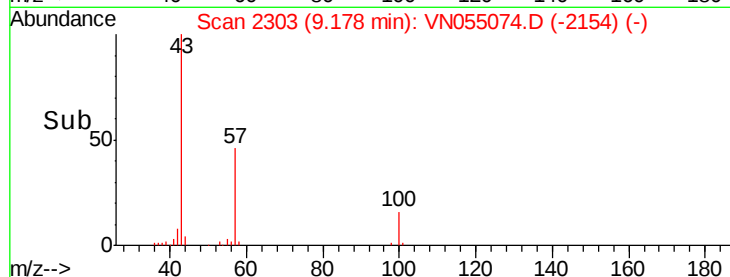
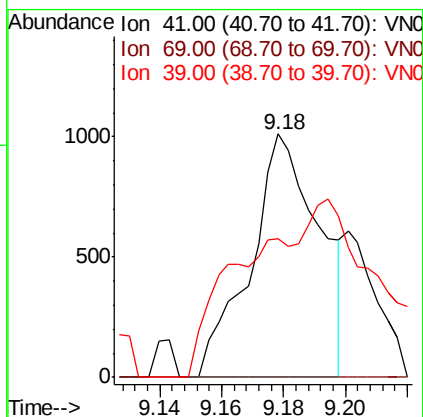
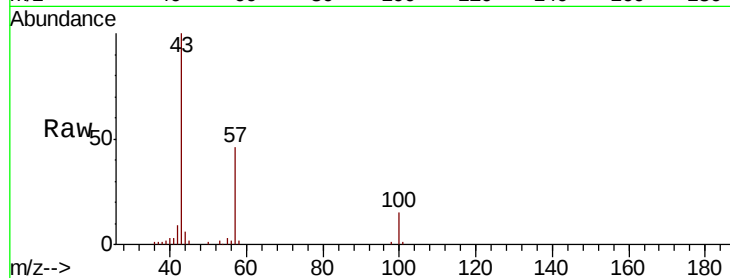




#46
Methvl methacrylate
Concen: 0.448 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN055074.D
Acq: 16 Apr 2019 13:22

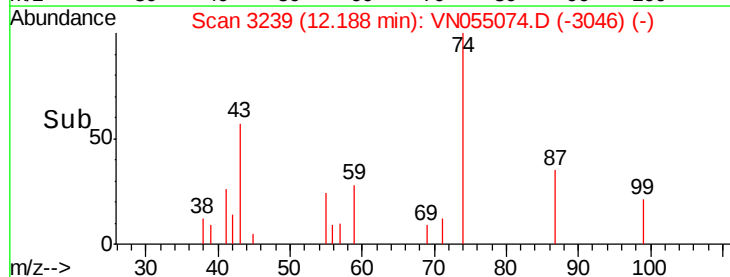
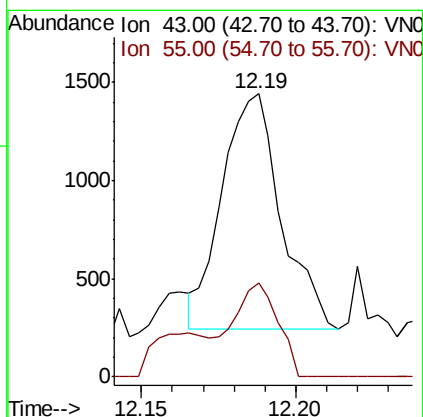
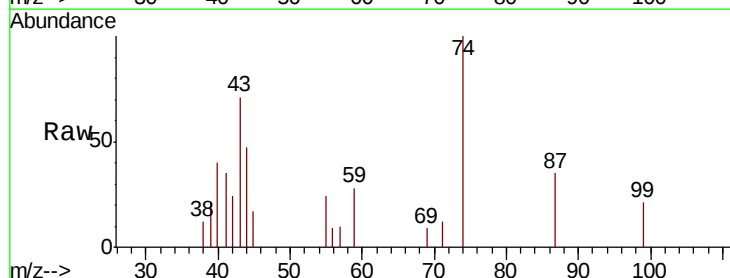
Instrument :
MSVOA_N
ClientSampled :
EFF-WW

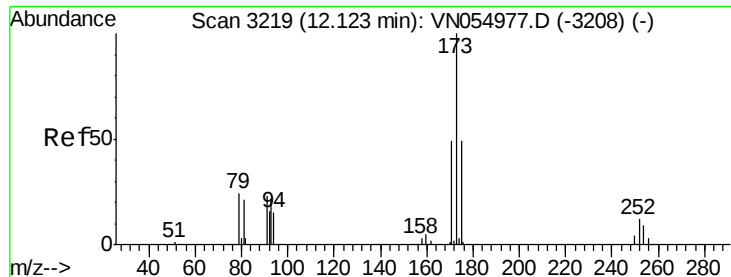
Tot Ion: 41 Resp: 1556
Ion Ratio Lower Upper
41 100
69 0.0 37.3 111.9#
39 57.1 29.4 88.2



#47
n-amy1 Acetate
Concen: 0.324 ug/l
RT: 12.19 min Scan# 3239
Delta R.T. 0.12 min
Lab File: VN055074.D
Acq: 16 Apr 2019 13:22

Tgt Ion: 43 Resp: 1602
Ion Ratio Lower Upper
43 100
55 28.5 19.8 29.6





#56

Bromoform

Concen: 0.459 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN055074.D

Acq: 16 Apr 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

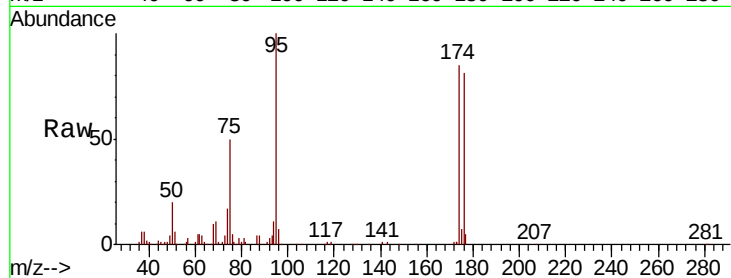
Tot Ion:173 Resp: 1093

Ion Ratio Lower Upper

173 100

175 735.6 38.6 57.8#

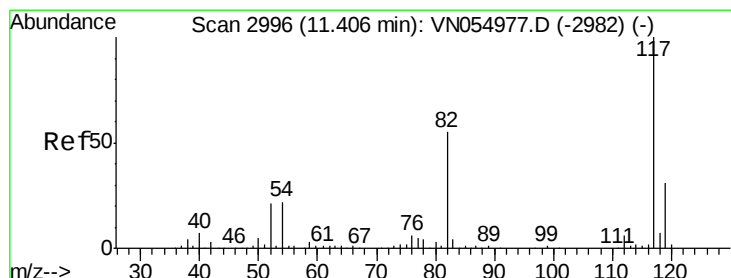
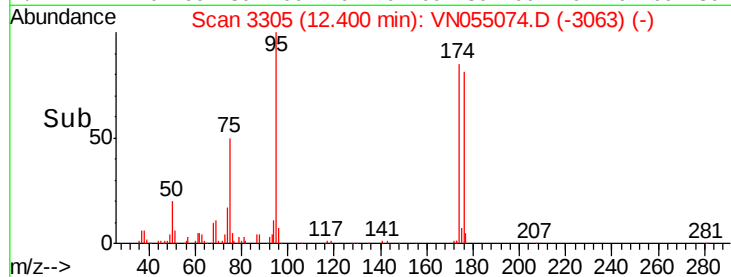
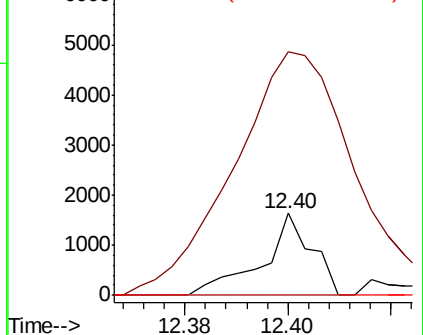
254 0.0 6.8 10.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055074.D

Acq: 16 Apr 2019 13:22

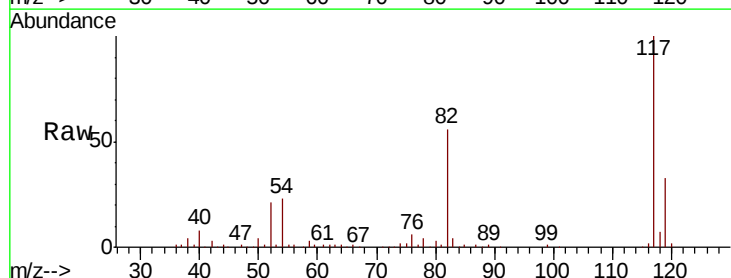
Tgt Ion:117 Resp: 321737

Ion Ratio Lower Upper

117 100

82 55.5 45.2 67.8

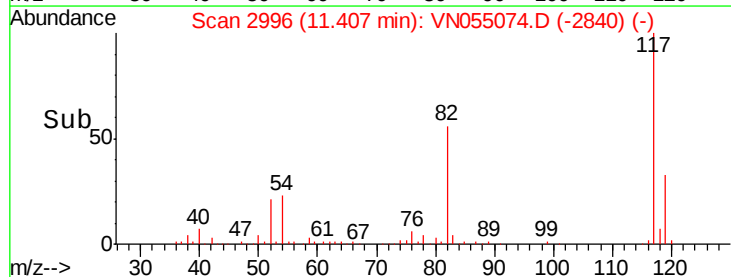
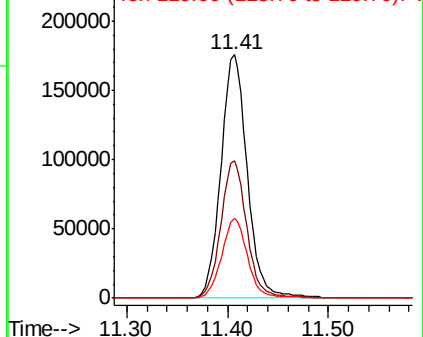
119 31.8 25.4 38.2

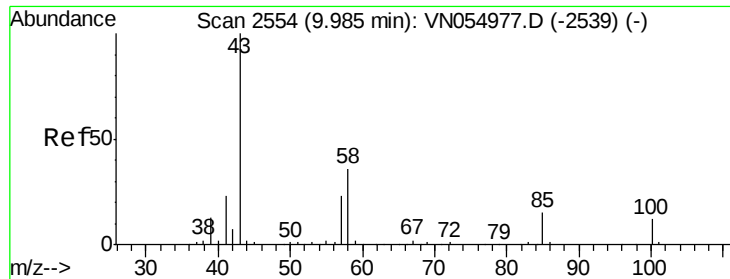


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

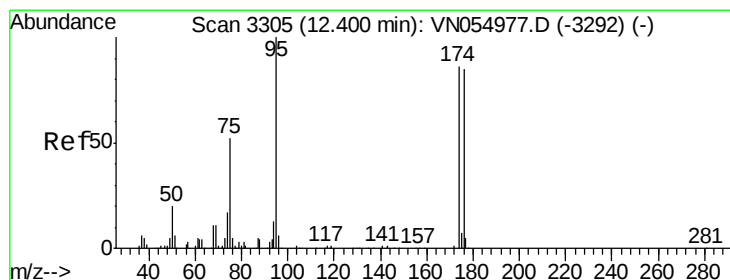
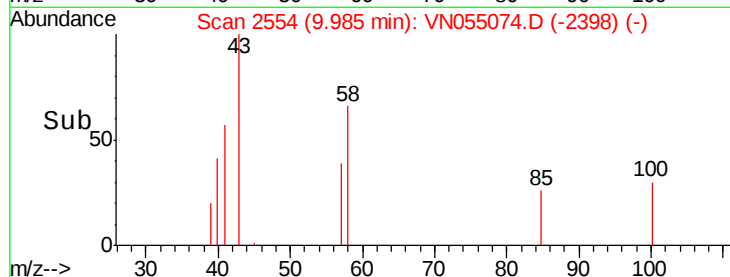
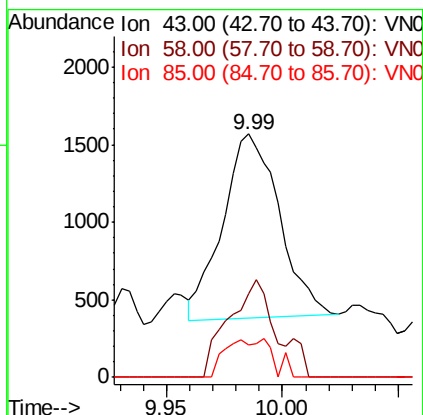
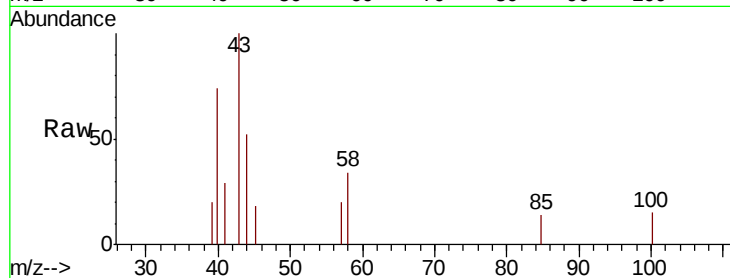




#58
4-Methyl-2-Pentanone
Concen: 0.541 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055074.D
Acq: 16 Apr 2019 13:22

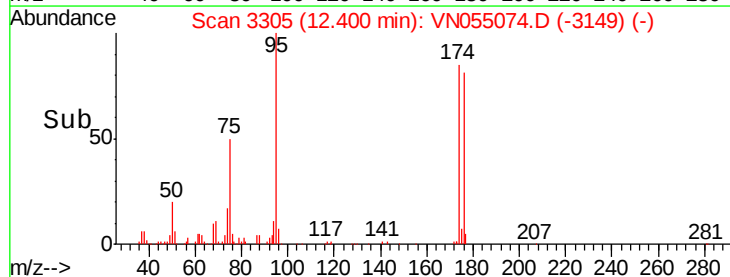
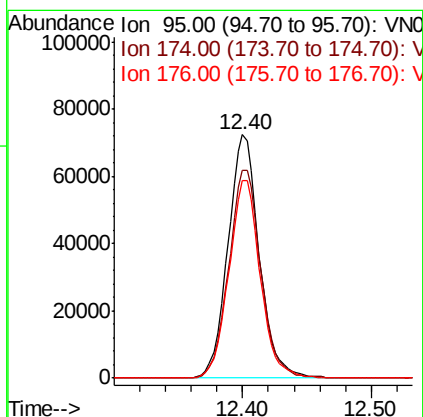
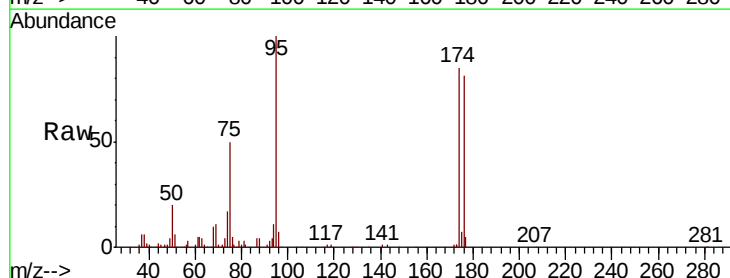
Instrument :
MSVOA_N
ClientSampled :
EFF-WW

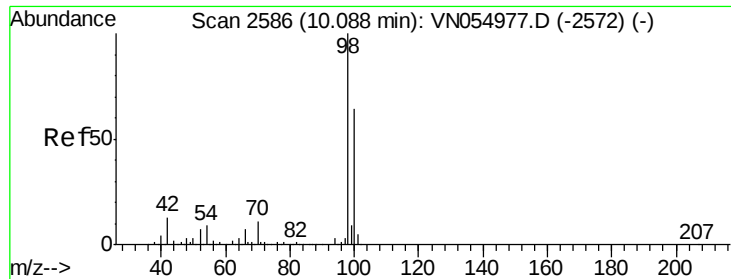
Tot Ion: 43 Resp: 2006
Ion Ratio Lower Upper
43 100
58 40.8 28.7 43.1
85 6.4 11.8 17.6#



#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055074.D
Acq: 16 Apr 2019 13:22

Tgt Ion: 95 Resp: 121249
Ion Ratio Lower Upper
95 100
174 88.0 69.4 104.2
176 81.9 67.4 101.2





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055074.D

Acq: 16 Apr 2019 13:22

Instrument :

MSVOA_N

ClientSampled :

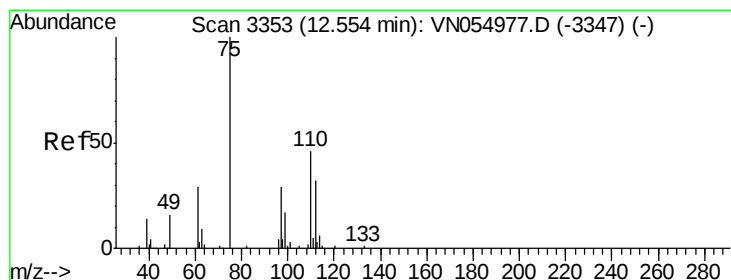
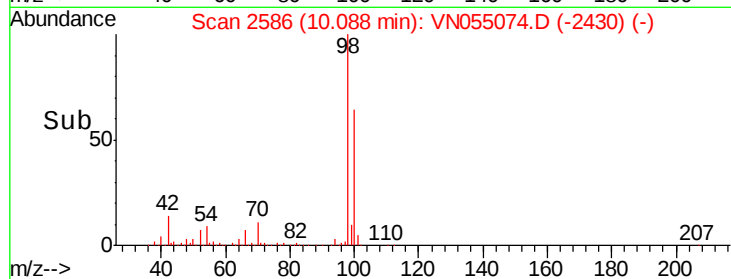
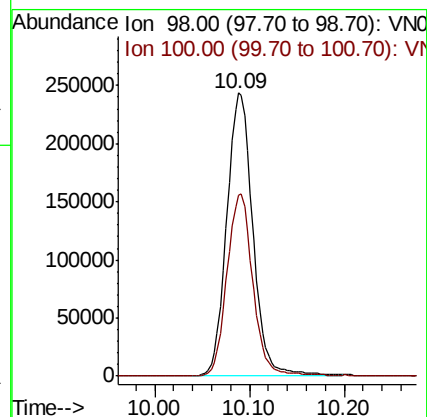
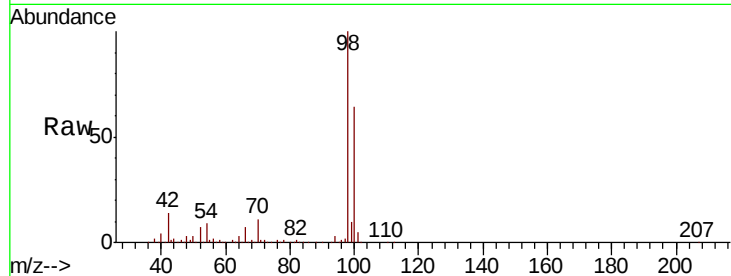
EFF-WW

Tot Ion: 98 Resp: 469820

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



#72

1,2,3-Trichloropropane

Concen: 17.849 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055074.D

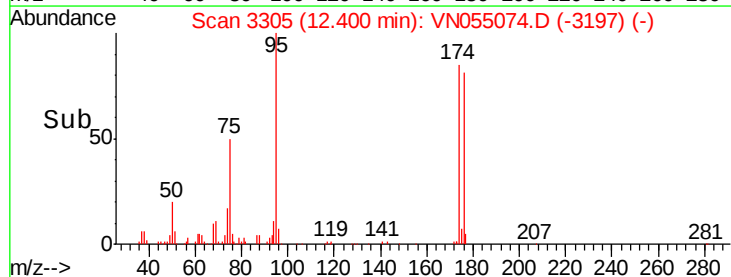
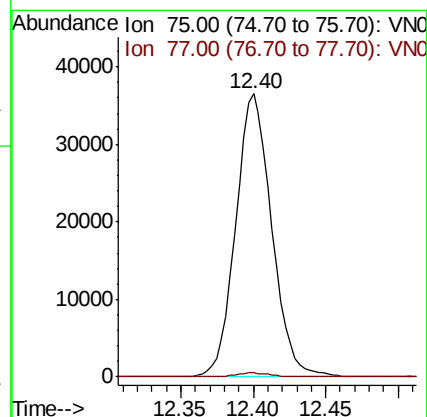
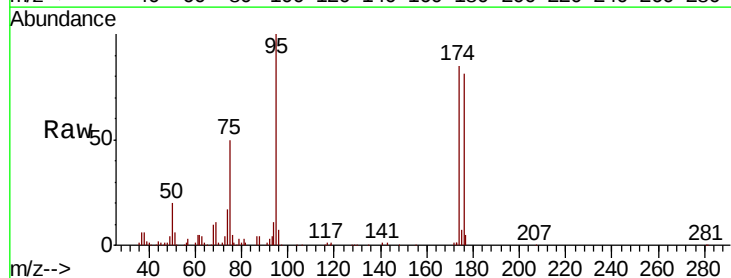
Acq: 16 Apr 2019 13:22

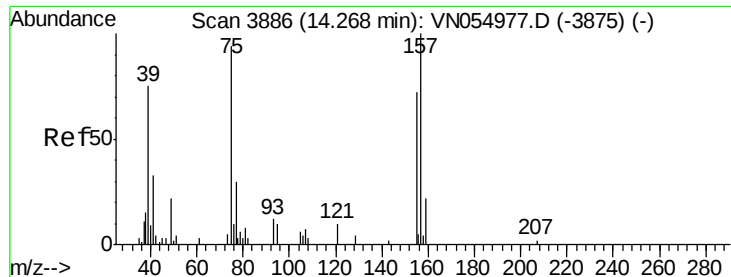
Tgt Ion: 75 Resp: 62924

Ion Ratio Lower Upper

75 100

77 1.2 0.0 466.6





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.245 ug/l

RT: 14.12 min Scan# 3839

Delta R.T. -0.15 min

Lab File: VN055074.D

Acq: 16 Apr 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

Tot Ion: 75 Resp: 139

Ion Ratio Lower Upper

75 100

155 0.0 61.8 92.8#

157 0.0 82.7 124.1#

