

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063042.D
 Acq On : 20 Aug 2020 17:36
 Operator : JC/MD
 Sample : L3706-01 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Aug 21 06:31:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 14:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	31332	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	155566	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	143814	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	68446	30.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.77%
60) 4-Bromofluorobenzene	12.38	95	56922	25.05	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	83.50%
63) Toluene-d8	10.06	98	194975	29.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.47%

Target Compounds

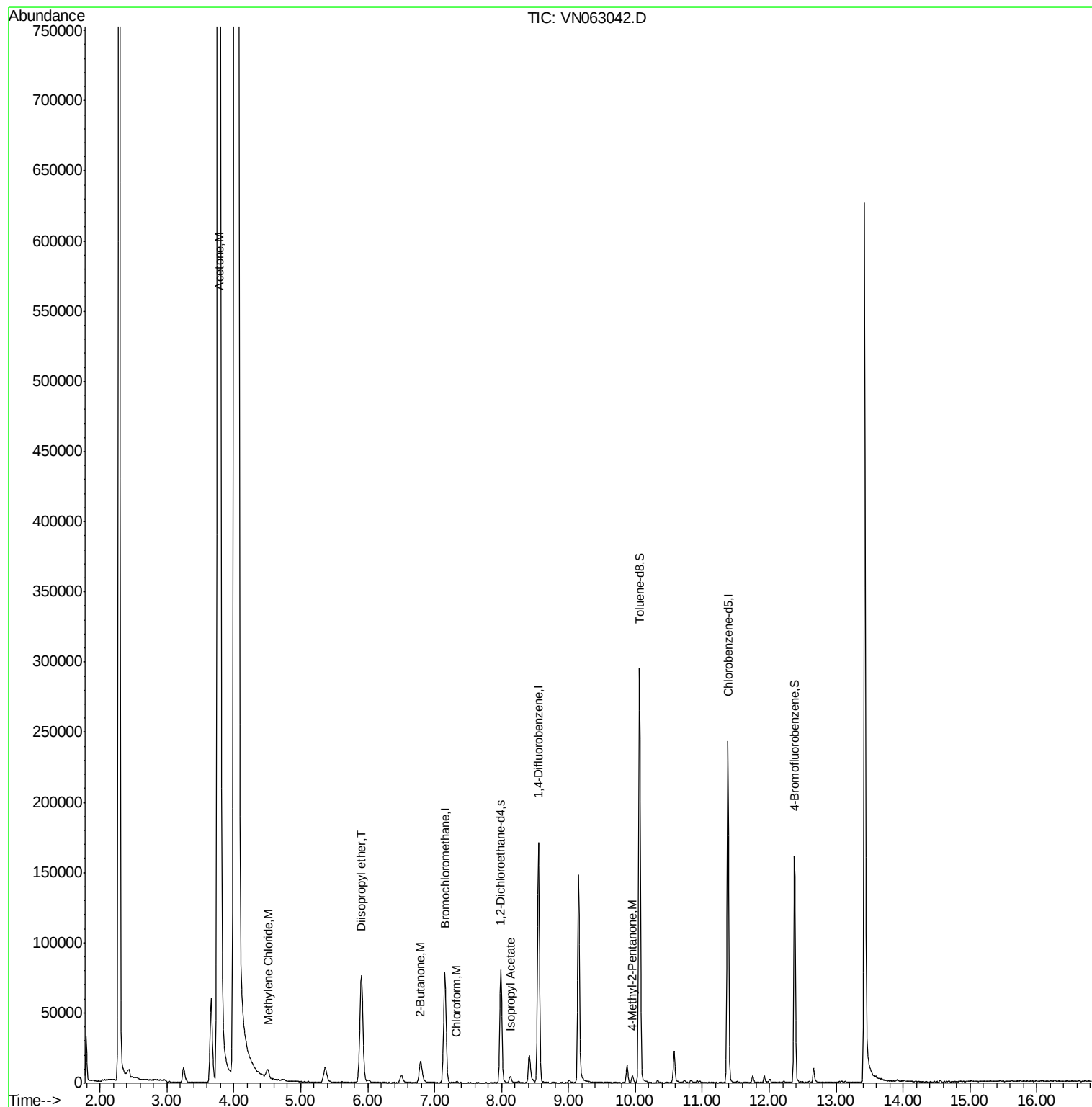
					Ovalue	
15) Acetone	3.78	58	1494227	6049.974	ug/l	94
18) Methylene Chloride	4.51	84	4311	2.107	ug/l	96
20) Diisopropyl ether	5.91	45	97044	15.444	ug/l	91
25) Chloroform	7.33	83	1209	0.352	ug/l	88
30) 2-Butanone	6.80	43	25341	24.066	ug/l #	93
44) Isopropyl Acetate	8.13	43	5818	1.724	ug/l #	89
58) 4-Methyl-2-Pentanone	9.96	43	4037	1.951	ug/l #	91

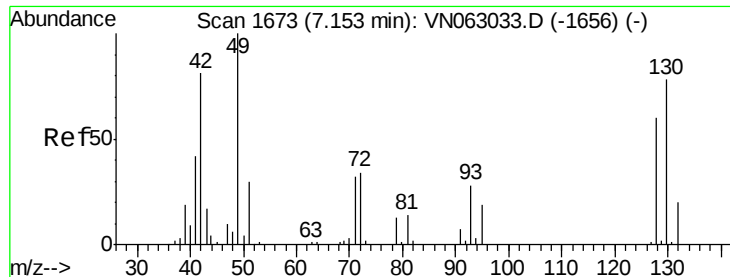
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 21 06:31:26 2020
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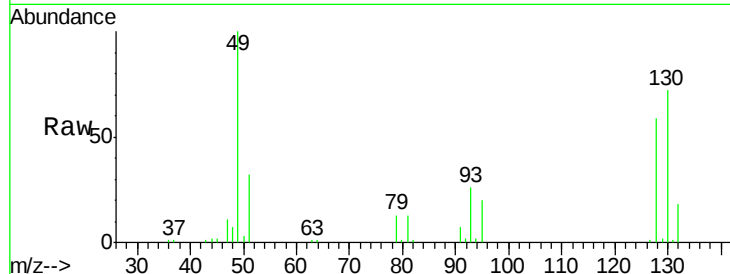




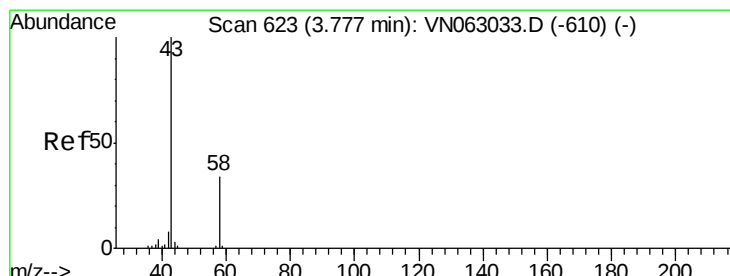
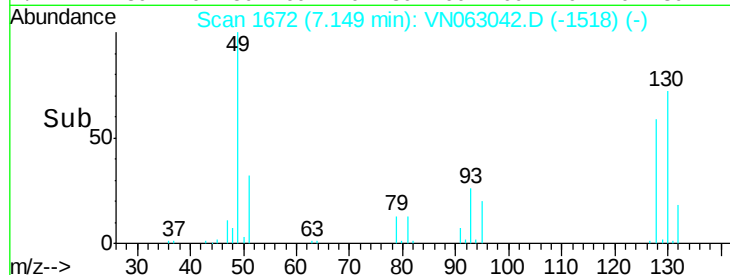
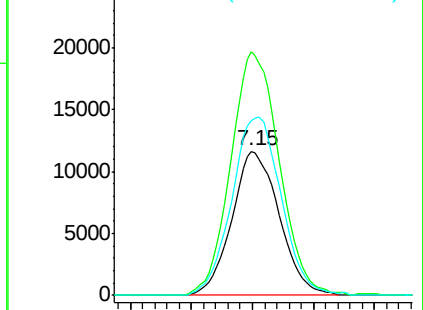
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN063042.D
 Acq: 20 Aug 2020 17:36

Instrument :
 MSVOA_N
 ClientSampled :
 EFF-WW

Tot Ion:128 Resp: 31332
 Ion Ratio Lower Upper
 128 100
 49 172.9 0.0 437.5
 130 129.2 0.0 327.3

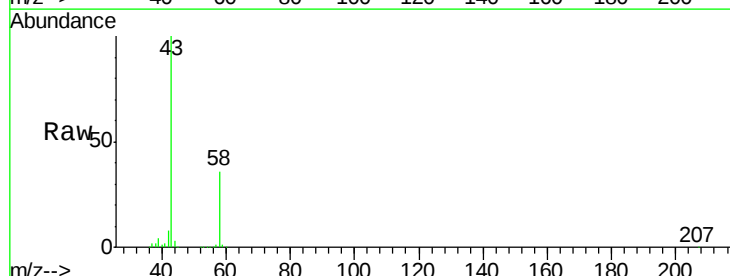


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): V
 Ion 130.00 (129.70 to 130.70): V

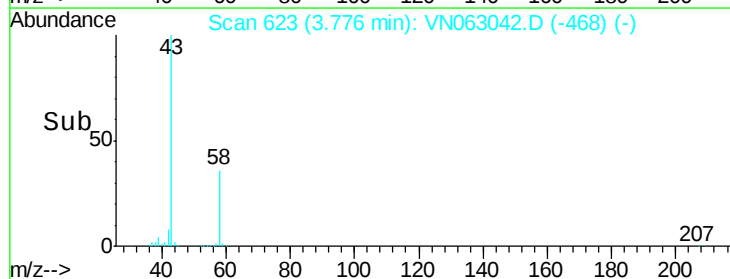
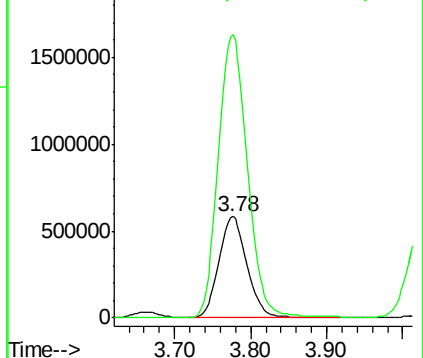


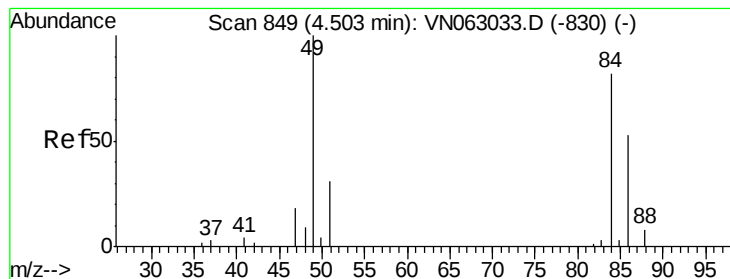
#15
 Acetone
 Concen: 6049.974 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VN063042.D
 Acq: 20 Aug 2020 17:36

Tgt Ion: 58 Resp: 1494227
 Ion Ratio Lower Upper
 58 100
 43 279.7 233.2 349.8



Abundance Ion 58.00 (57.70 to 58.70): V
 Ion 43.00 (42.70 to 43.70): V





#18

Methvlene Chloride

Concen: 2.107 ug/l

RT: 4.51 min Scan# 851

Delta R.T. 0.01 min

Lab File: VN063042.D

Acq: 20 Aug 2020 17:36

Instrument :

MSVOA_N

ClientSampled :

EFF-WW

Tot Ion: 84 Resp: 4311

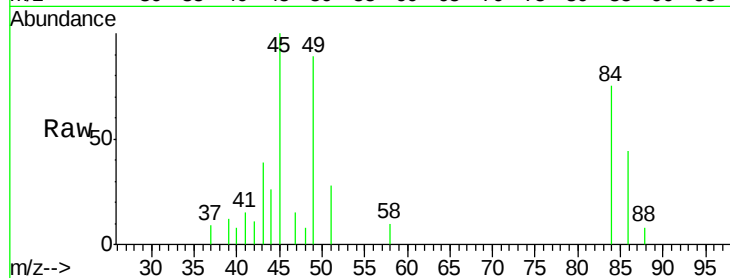
Ion Ratio Lower Upper

84 100

49 118.7 97.8 146.8

51 37.3 30.7 46.1

86 59.2 51.5 77.3

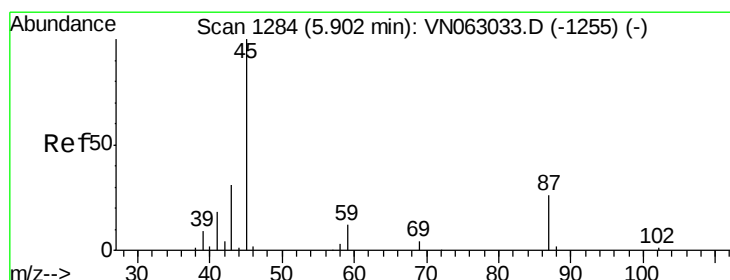
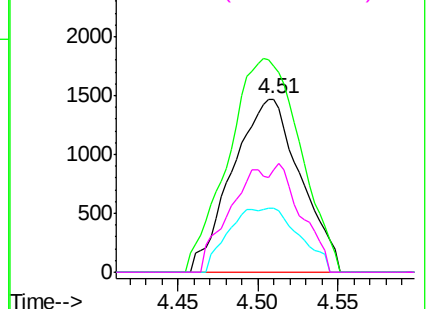
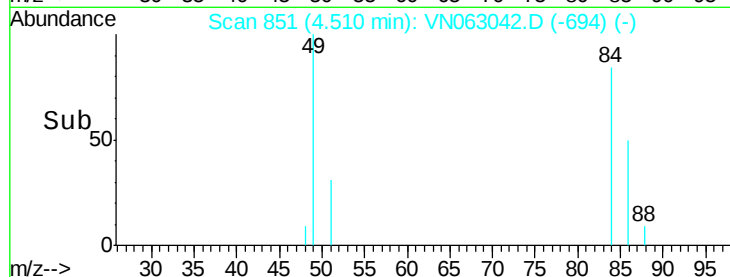


Abundance Ion 84.00 (83.70 to 84.70): VN0

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: 15.444 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN063042.D

Acq: 20 Aug 2020 17:36

Tgt Ion: 45 Resp: 97044

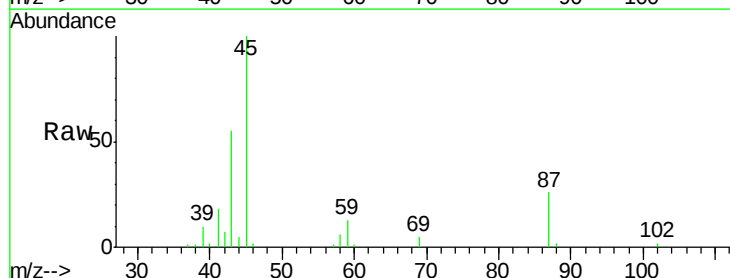
Ion Ratio Lower Upper

45 100

43 55.1 51.8 77.6

87 26.2 21.8 32.6

59 13.3 9.6 14.4

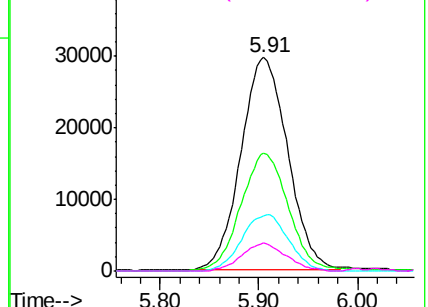
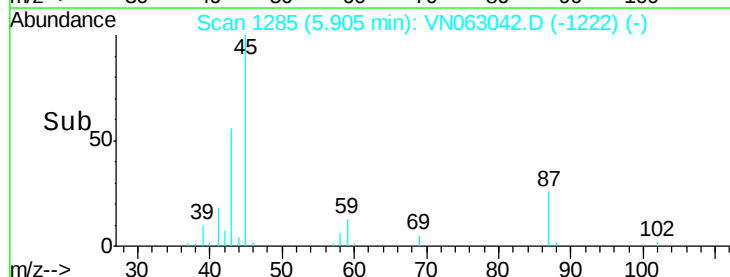


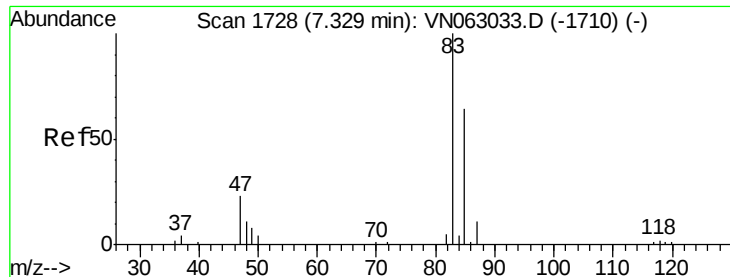
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#25

Chloroform

Concen: 0.352 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN063042.D

Acq: 20 Aug 2020 17:36

Instrument :

MSVOA_N

ClientSampleId :

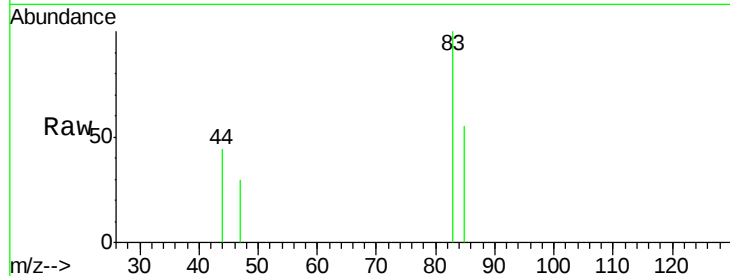
EFF-WW

Tot Ion: 83 Resp: 1209

Ion Ratio Lower Upper

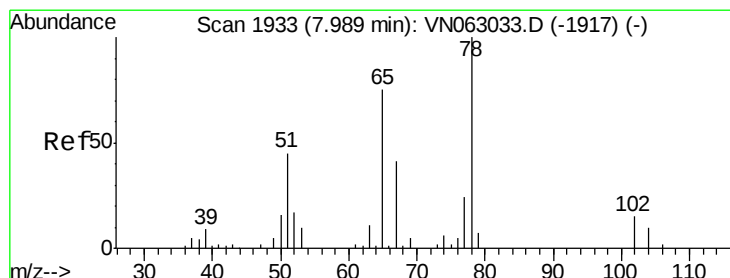
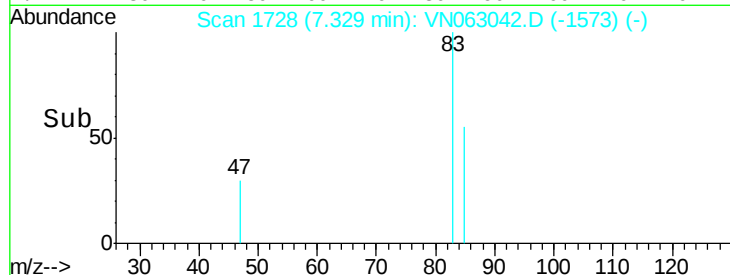
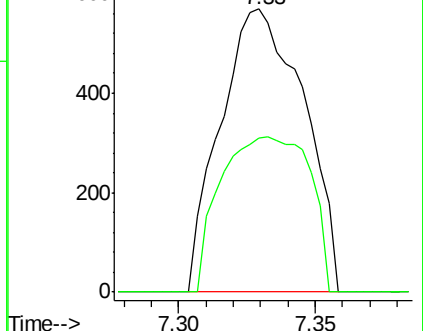
83 100

85 54.7 51.0 76.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#27

1,2-Dichloroethane-d4

Concen: 30.832 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN063042.D

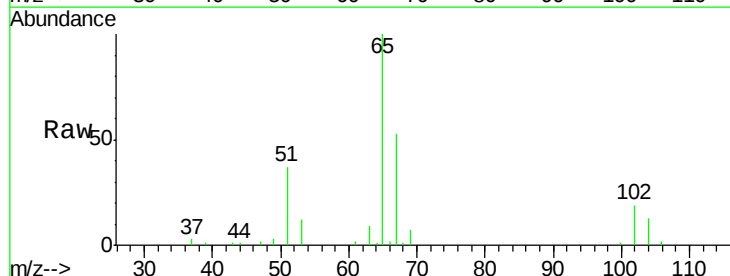
Acq: 20 Aug 2020 17:36

Tgt Ion: 65 Resp: 68446

Ion Ratio Lower Upper

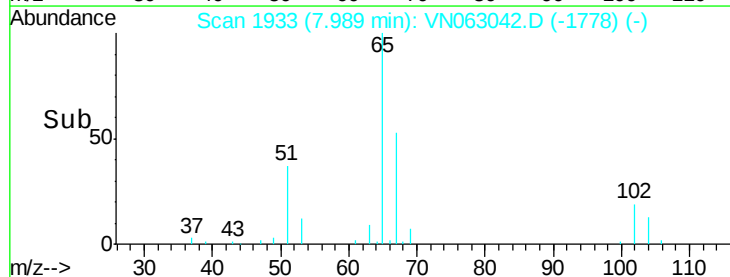
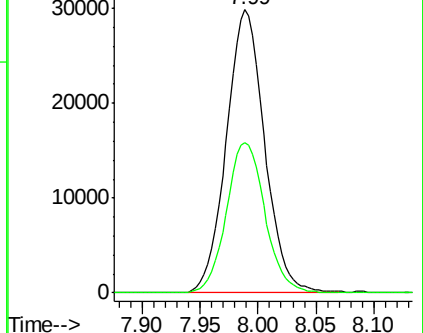
65 100

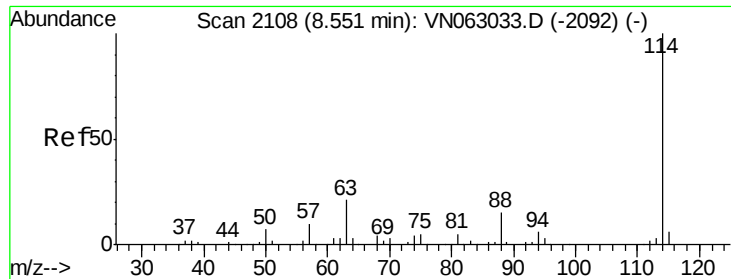
67 53.3 43.8 65.6



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

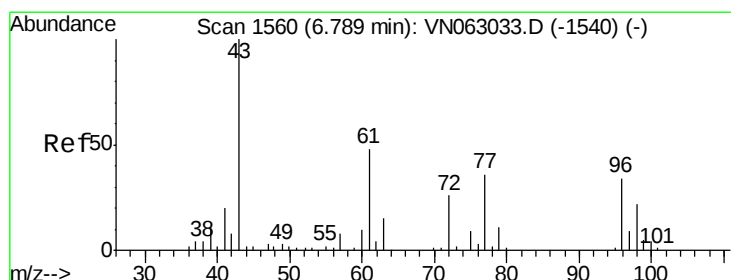
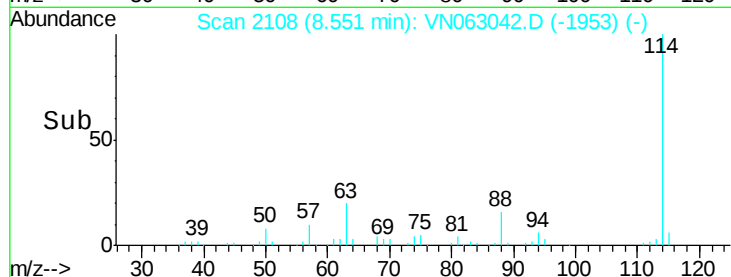
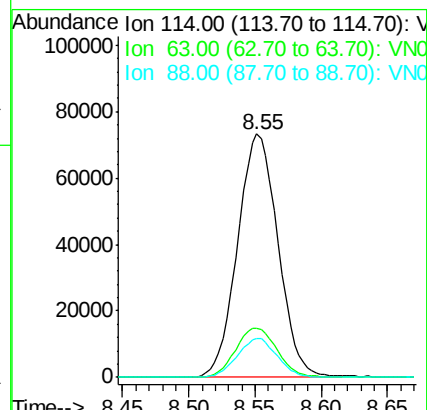
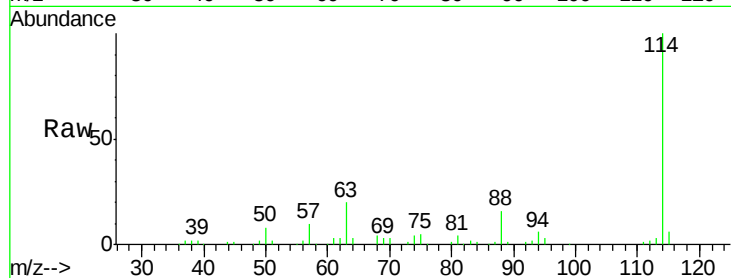




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063042.D
 Acq: 20 Aug 2020 17:36

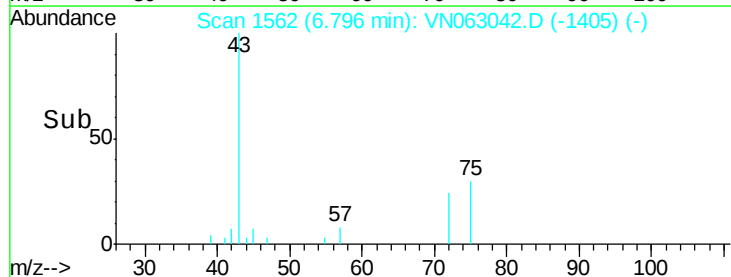
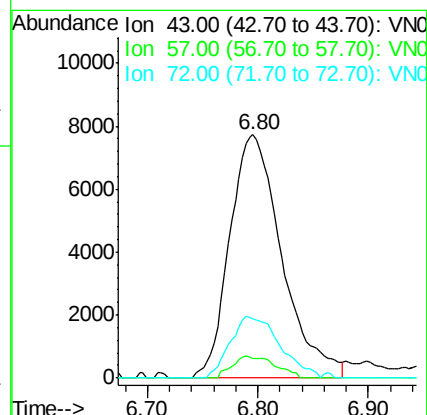
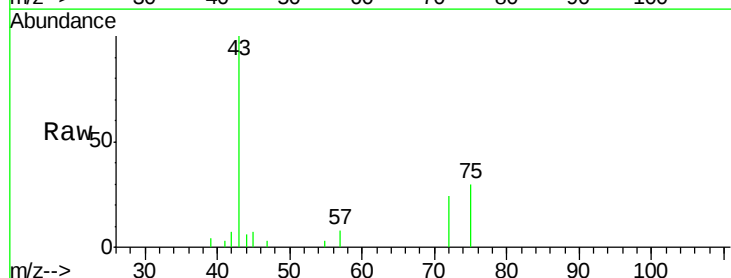
Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

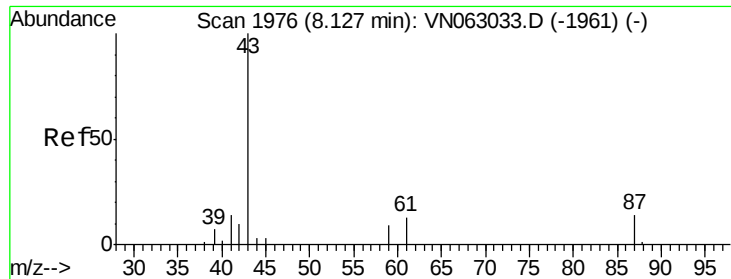
Tot Ion:114 Resp: 155566
 Ion Ratio Lower Upper
 114 100
 63 20.7 17.0 25.6
 88 15.7 12.6 18.8



#30
 2-Butanone
 Concen: 24.066 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.01 min
 Lab File: VN063042.D
 Acq: 20 Aug 2020 17:36

Tgt Ion: 43 Resp: 25341
 Ion Ratio Lower Upper
 43 100
 57 3.6 6.6 9.8#
 72 24.1 21.3 31.9





#44

Isopropyl Acetate

Concen: 1.724 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN063042.D

Acq: 20 Aug 2020 17:36

Instrument :

MSVOA_N

ClientSampled :

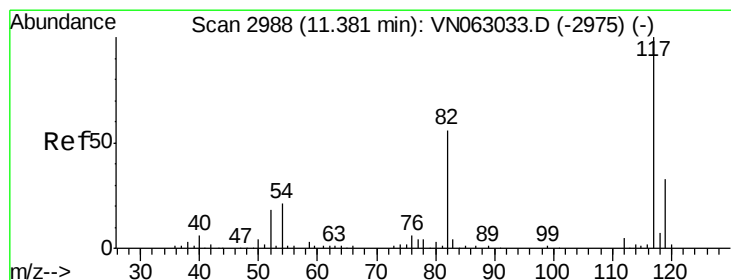
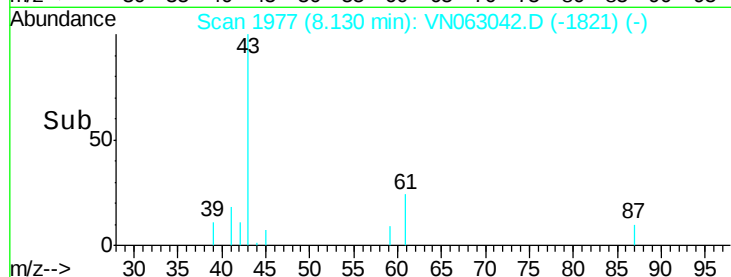
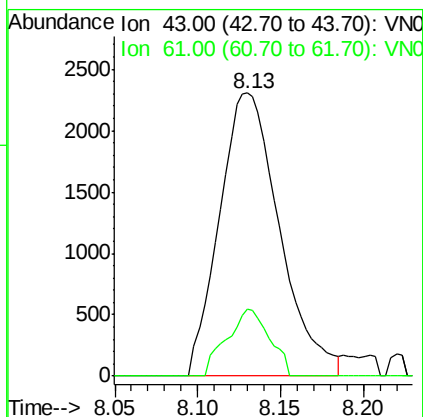
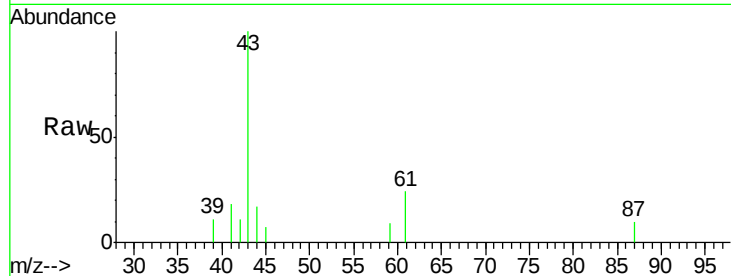
EFF-WW

Tot Ion: 43 Resp: 5818

Ion Ratio Lower Upper

43 100

61 16.9 17.5 26.3#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN063042.D

Acq: 20 Aug 2020 17:36

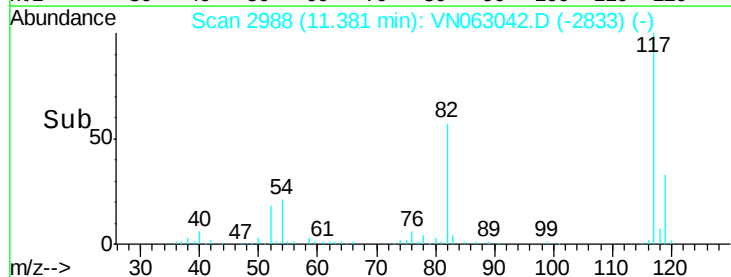
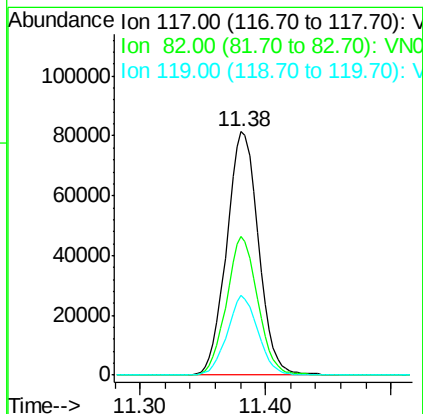
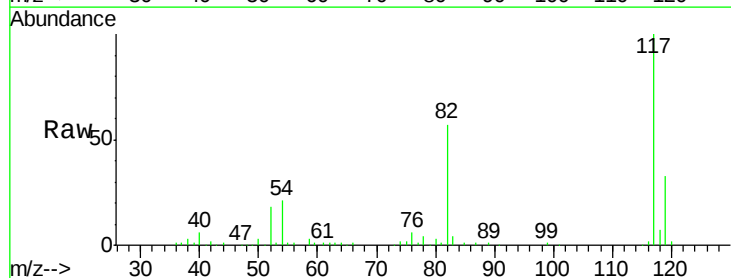
Tgt Ion: 117 Resp: 143814

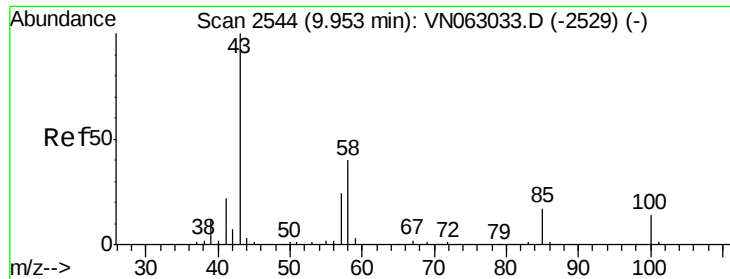
Ion Ratio Lower Upper

117 100

82 55.5 44.9 67.3

119 31.5 26.0 39.0

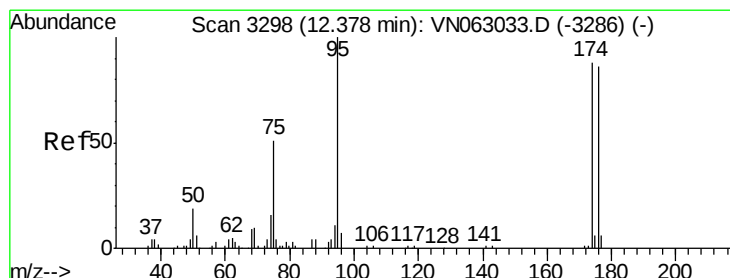
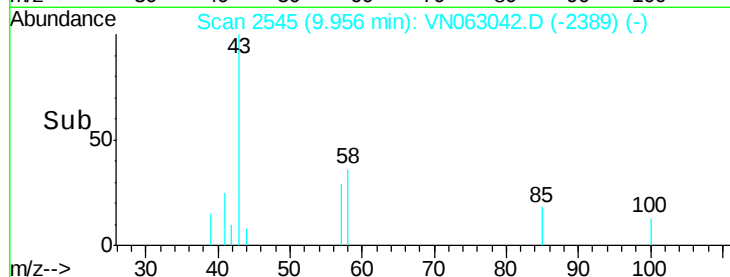
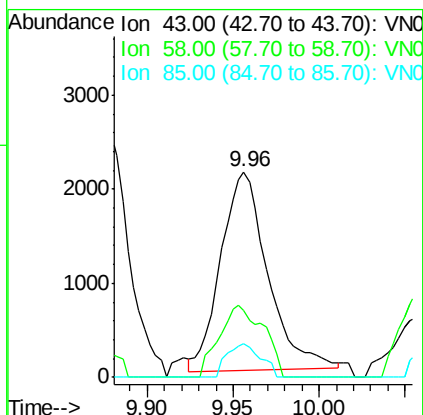
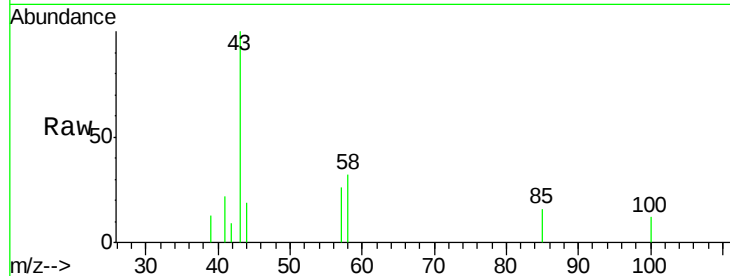




#58
4-Methyl-2-Pentanone
Concen: 1.951 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN063042.D
Acq: 20 Aug 2020 17:36

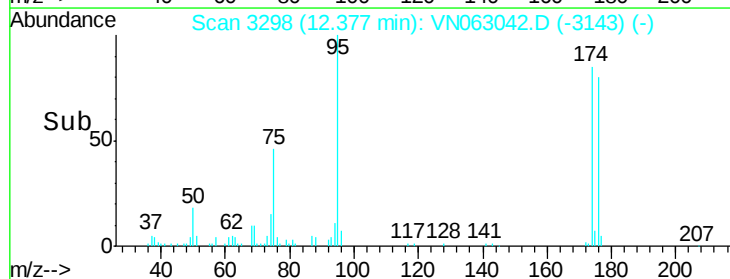
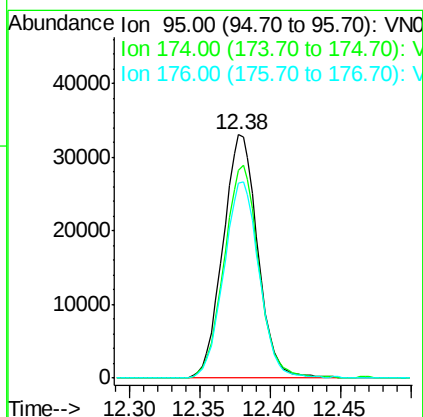
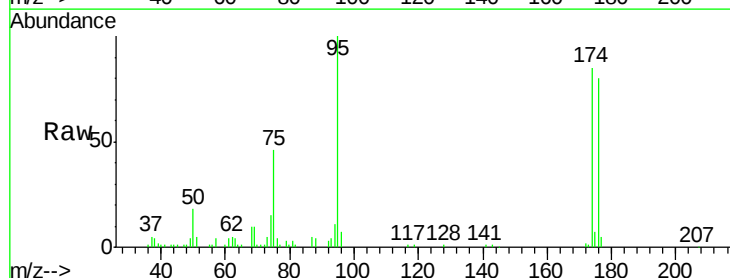
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

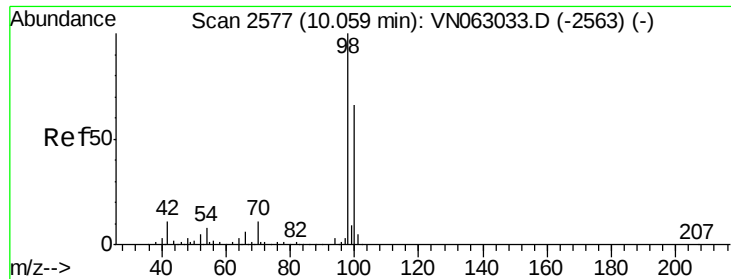
Tot Ion: 43 Resp: 4037
Ion Ratio Lower Upper
43 100
58 34.0 31.4 47.0
85 12.2 13.4 20.2#



#60
4-Bromofluorobenzene
Concen: 25.048 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN063042.D
Acq: 20 Aug 2020 17:36

Tgt Ion: 95 Resp: 56922
Ion Ratio Lower Upper
95 100
174 87.4 70.1 105.1
176 81.5 66.8 100.2





#63
Toluene-d8
Concen: 29.541 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063042.D
Acq: 20 Aug 2020 17:36

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tot Ion: 98 Resp: 194975
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.2

