

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011520\
 Data File : VX014623.D
 Acq On : 15 Jan 2020 17:01
 Operator : JC/SP
 Sample : L1135-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TE-MW-A-1

Quant Time: Jan 16 01:12:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	75035	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	401722	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	352162	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	159739	30.29	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.97%
60) 4-Bromofluorobenzene	11.13	95	155200	27.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.80%
63) Toluene-d8	8.71	98	483258	30.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.27%

Target Compounds

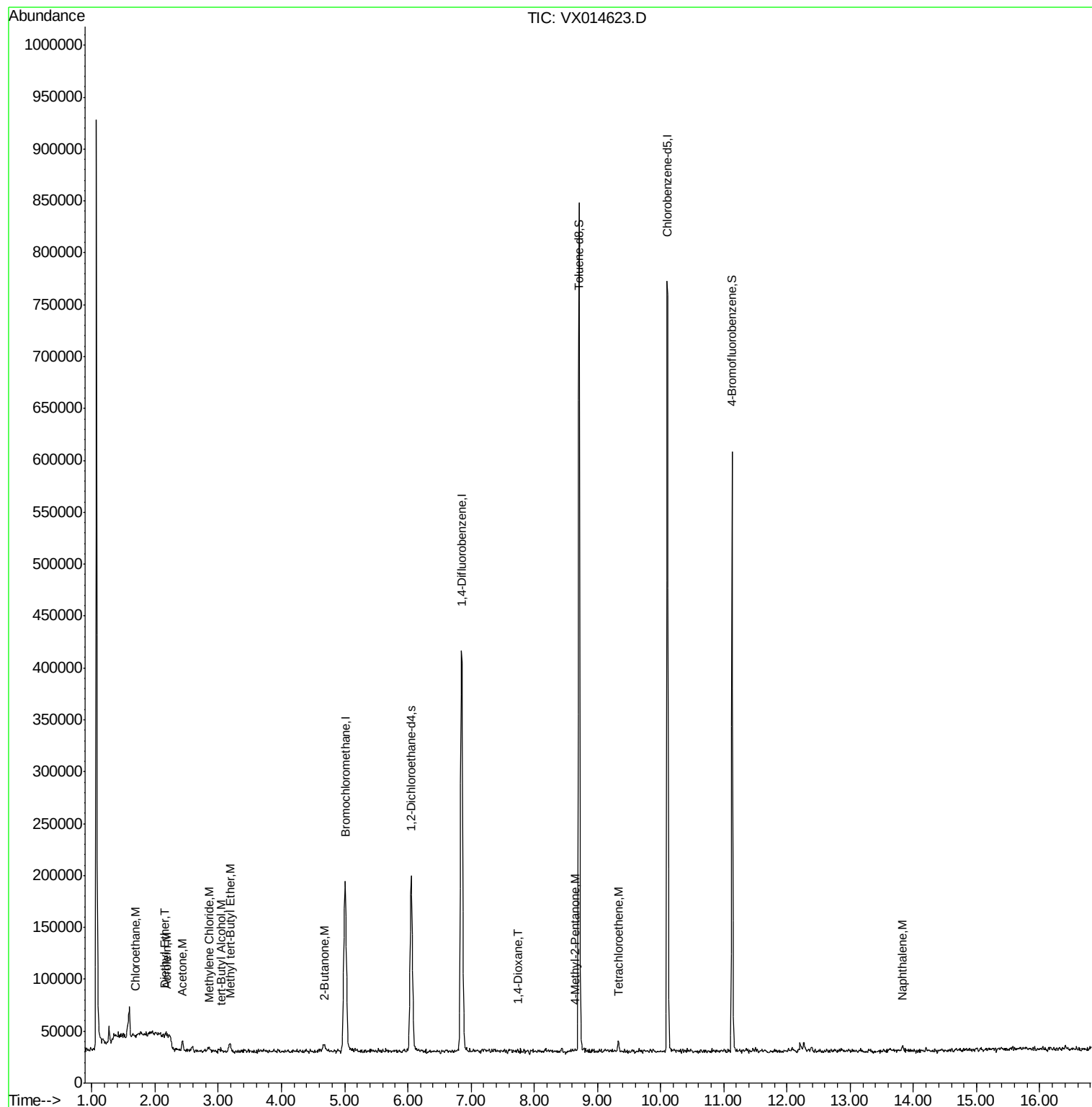
					Qvalue
6) Chloroethane	1.70	64	819	0.228 ug/l	89
8) Diethyl Ether	2.15	74	690	0.224 ug/l	28
13) Acrolein	2.20	56	292	0.370 ug/l	93
15) Acetone	2.43	58	3211	3.730 ug/l	92
18) Methylene Chloride	2.86	84	2827	0.582 ug/l #	68
23) tert-Butyl Alcohol	3.06	59	374	0.352 ug/l #	5
24) Methyl tert-Butyl Ether	3.19	73	9289	0.672 ug/l	98
30) 2-Butanone	4.67	43	1954	0.524 ug/l #	93
45) 1,4-Dioxane	7.74	88	247	2.266 ug/l #	69
58) 4-Methyl-2-Pentanone	8.64	43	1827	0.275 ug/l #	74
61) Tetrachloroethene	9.32	164	2361	0.454 ug/l #	69
91) Naphthalene	13.82	128	3730	0.202 ug/l #	90

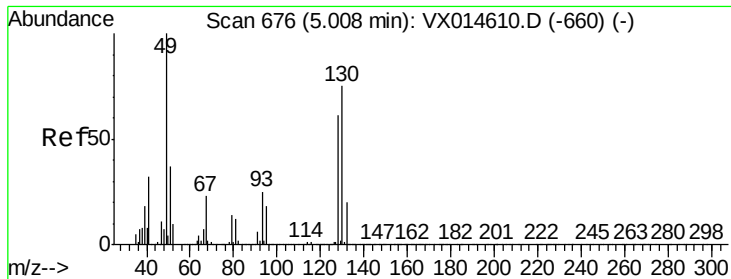
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 16 01:12:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014623.D

Acq: 15 Jan 2020 17:01

Instrument :

MSVOA_X

ClientSampled :

TE-MW-A-1

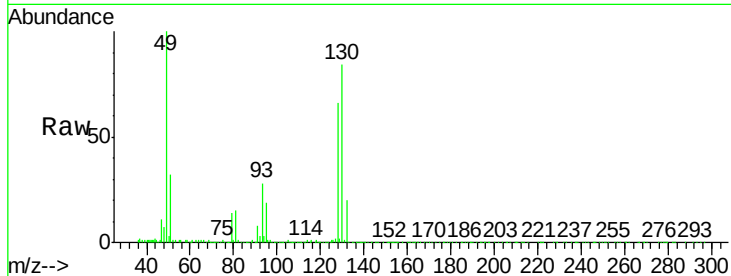
Tgt Ion:128 Resp: 75035

Ion Ratio Lower Upper

128 100

49 159.1 0.0 405.0

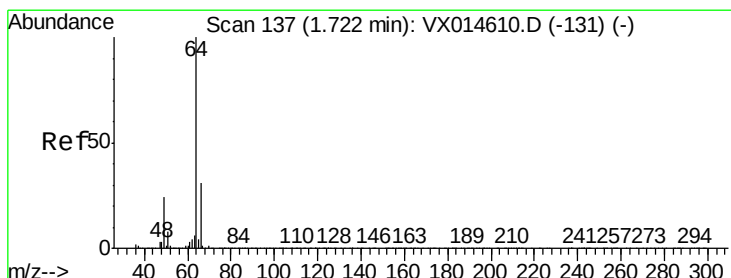
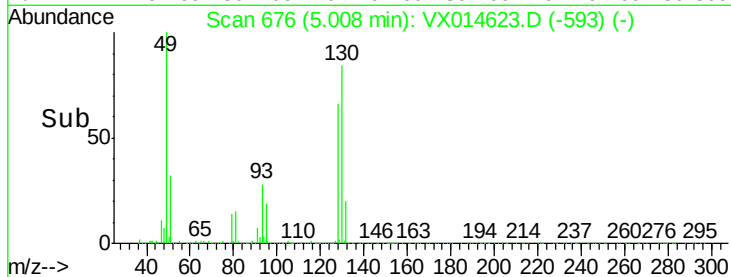
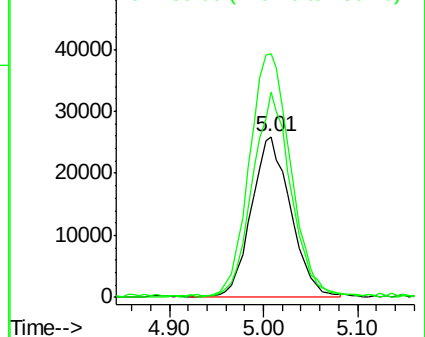
130 127.2 0.0 321.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#6

Chloroethane

Concen: 0.228 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX014623.D

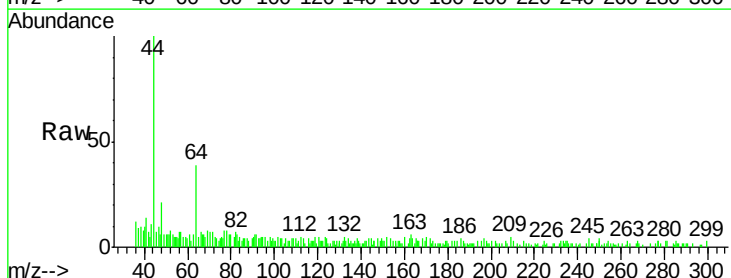
Acq: 15 Jan 2020 17:01

Tgt Ion: 64 Resp: 819

Ion Ratio Lower Upper

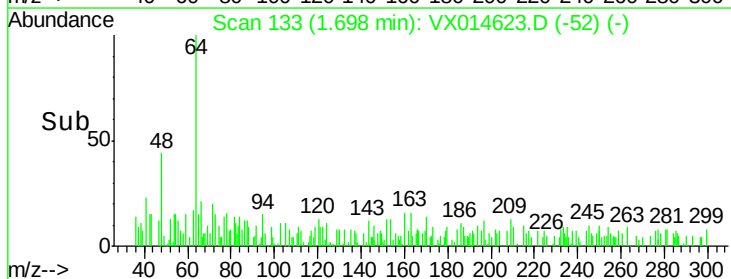
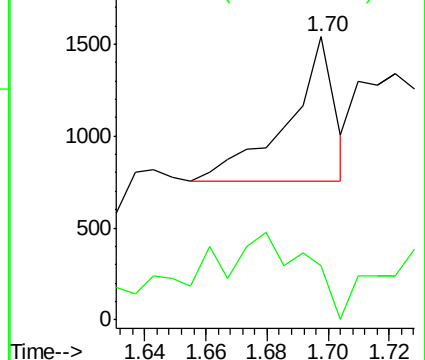
64 100

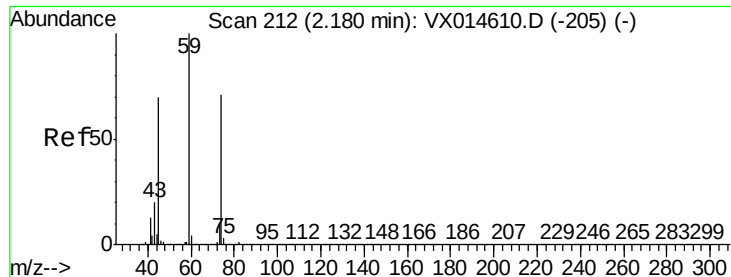
66 37.5 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#8

Diethyl Ether

Concen: 0.224 ug/l

RT: 2.15 min Scan# 208

Delta R.T. -0.02 min

Lab File: VX014623.D

Acq: 15 Jan 2020 17:01

Instrument :

MSVOA_X

ClientSampled :

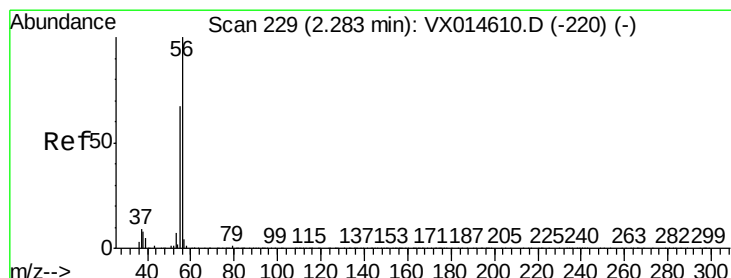
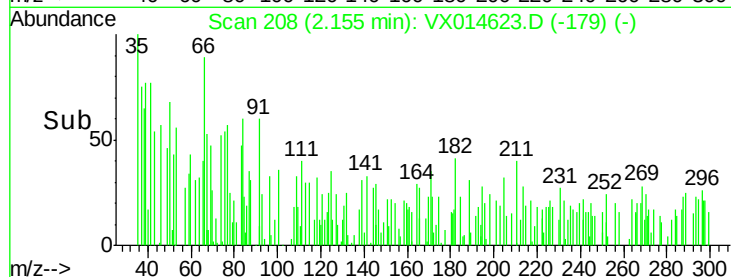
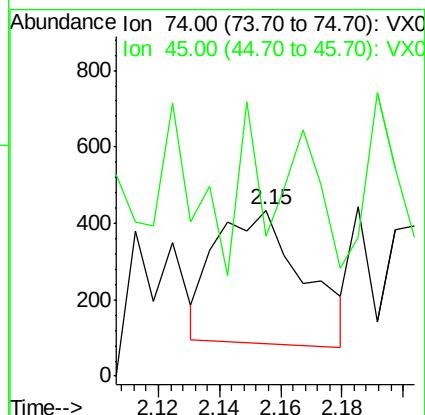
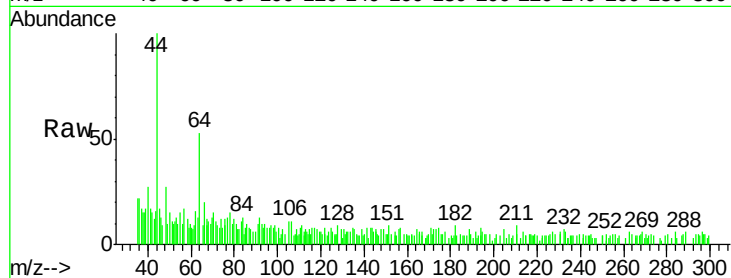
TE-MW-A-1

Tgt Ion: 74 Resp: 690

Ion Ratio Lower Upper

74 100

45 29.7 20.6 185.0



#13

Acrolein

Concen: 0.370 ug/l

RT: 2.20 min Scan# 215

Delta R.T. -0.09 min

Lab File: VX014623.D

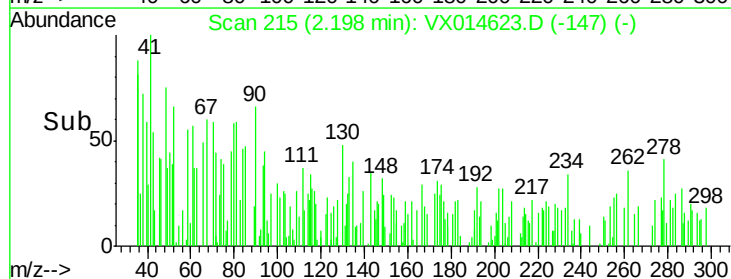
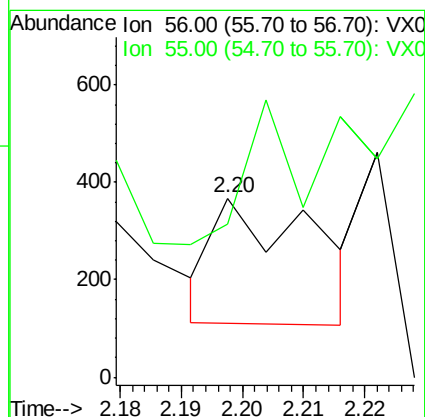
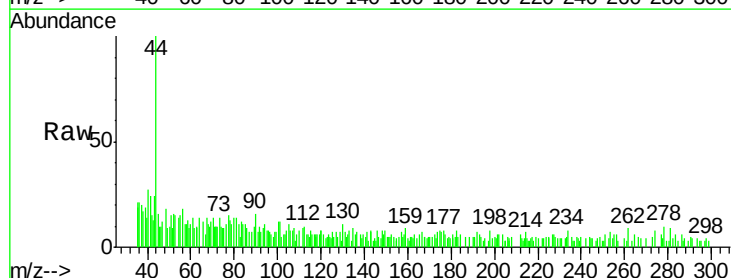
Acq: 15 Jan 2020 17:01

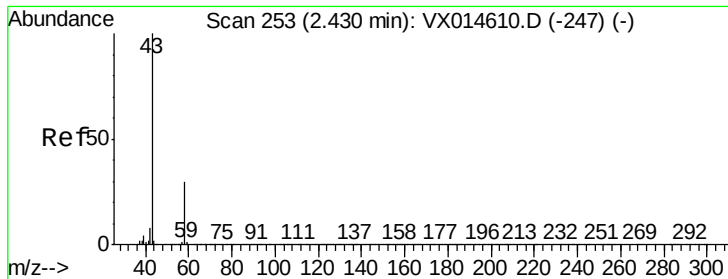
Tgt Ion: 56 Resp: 292

Ion Ratio Lower Upper

56 100

55 62.7 54.9 82.3





#15

Acetone

Concen: 3.730 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014623.D

Acq: 15 Jan 2020 17:01

Instrument :

MSVOA_X

ClientSampled :

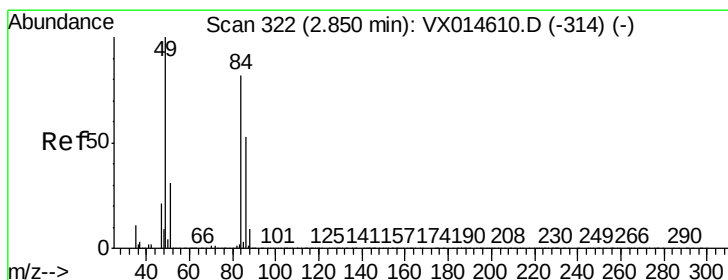
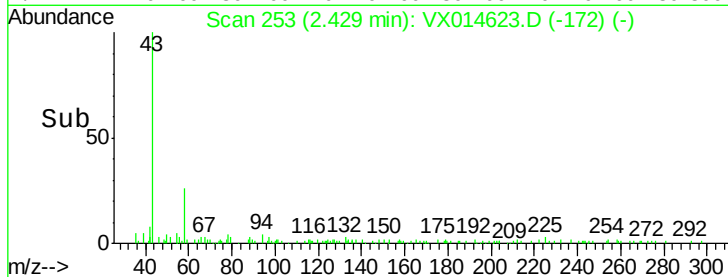
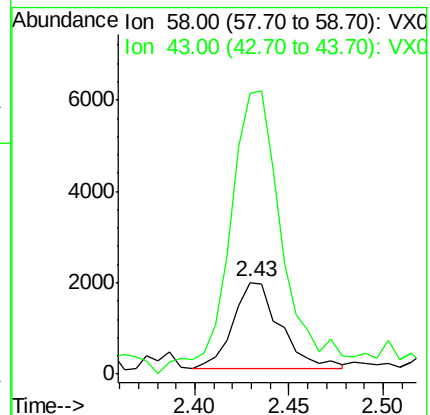
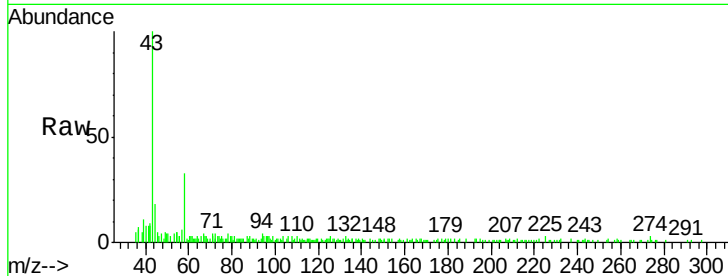
TE-MW-A-1

Tgt Ion: 58 Resp: 3211

Ion Ratio Lower Upper

58 100

43 310.3 236.3 354.5



#18

Methylene Chloride

Concen: 0.582 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX014623.D

Acq: 15 Jan 2020 17:01

Tgt Ion: 84 Resp: 2827

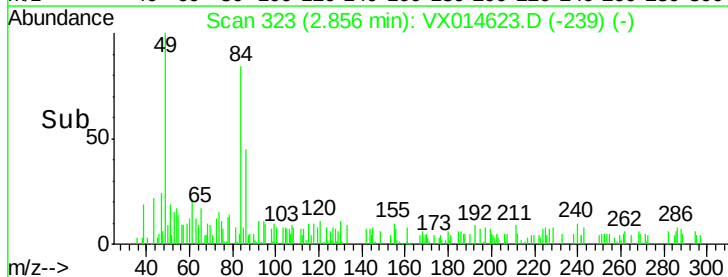
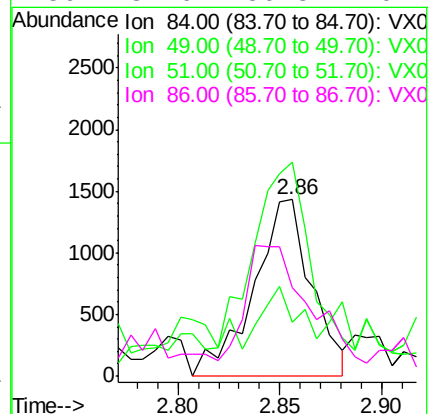
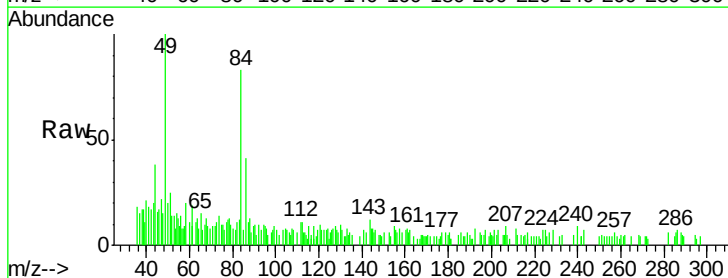
Ion Ratio Lower Upper

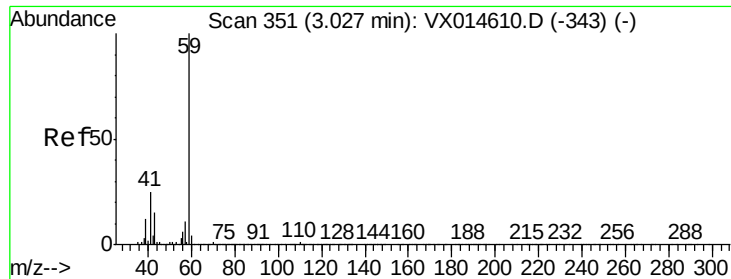
84 100

49 99.0 102.2 153.2#

51 6.6 31.4 47.0#

86 37.6 50.8 76.2#



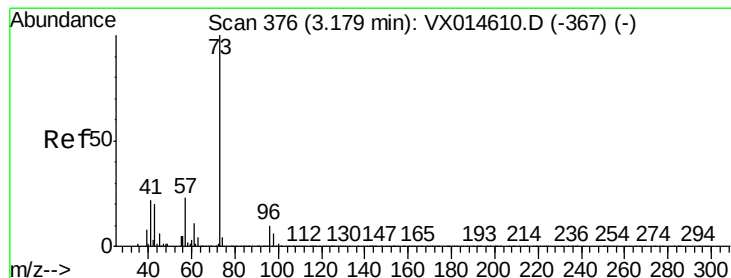
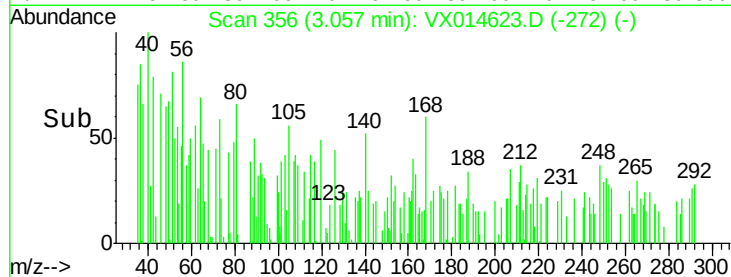
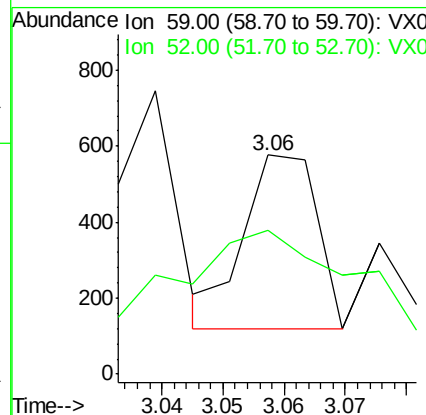
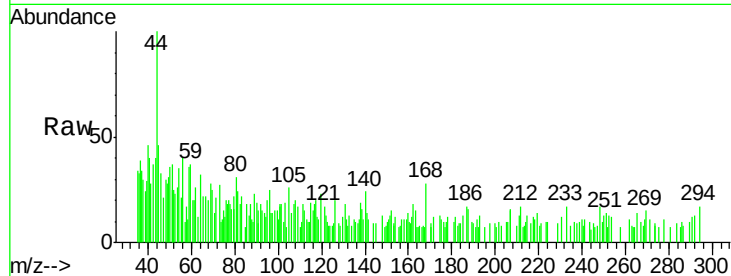


#23

tert-Butyl Alcohol
 Concen: 0.352 ug/l
 RT: 3.06 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VX014623.D
 Acq: 15 Jan 2020 17:01

Instrument :
 MSVOA_X
 ClientSampleId :
 TE-MW-A-1

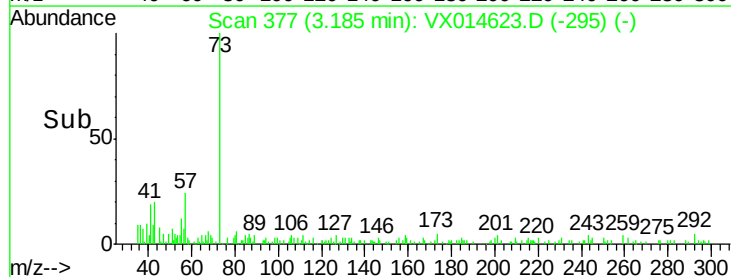
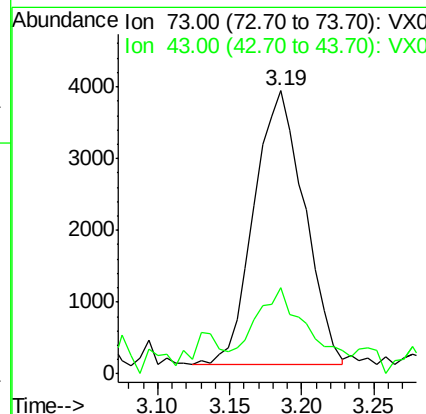
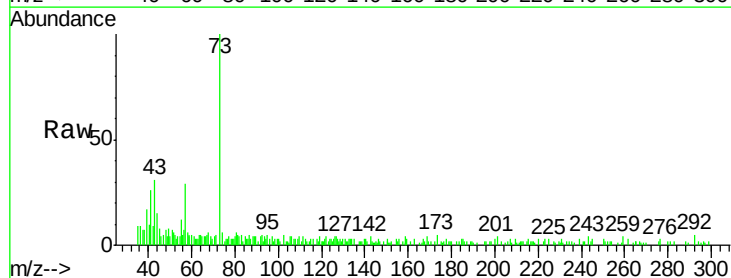
Tgt Ion: 59 Resp: 374
 Ion Ratio Lower Upper
 59 100
 52 122.2 0.2 0.2#

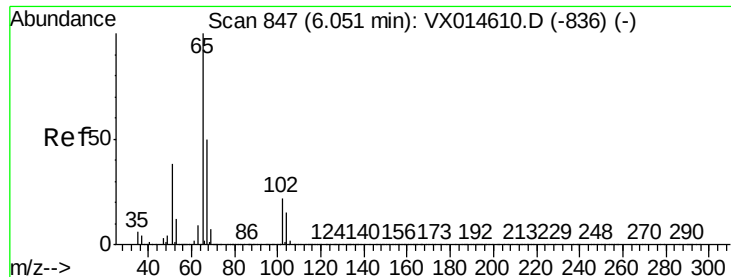


#24

Methyl tert-Butyl Ether
 Concen: 0.672 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX014623.D
 Acq: 15 Jan 2020 17:01

Tgt Ion: 73 Resp: 9289
 Ion Ratio Lower Upper
 73 100
 43 21.8 16.6 25.0





#27

1,2-Dichloroethane-d4

Concen: 30.287 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014623.D

Acq: 15 Jan 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

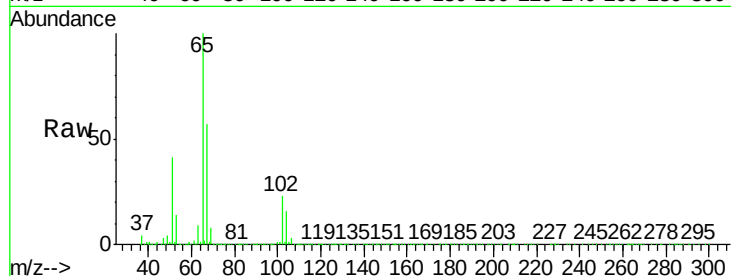
TE-MW-A-1

Tgt Ion: 65 Resp: 159739

Ion Ratio Lower Upper

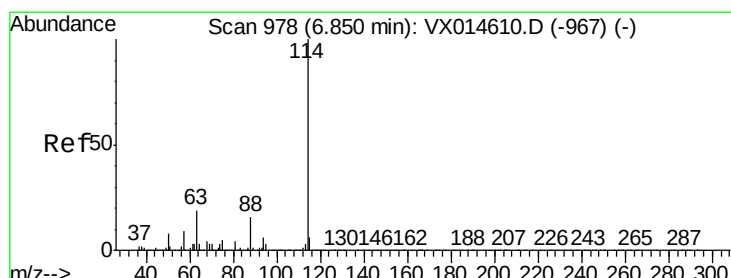
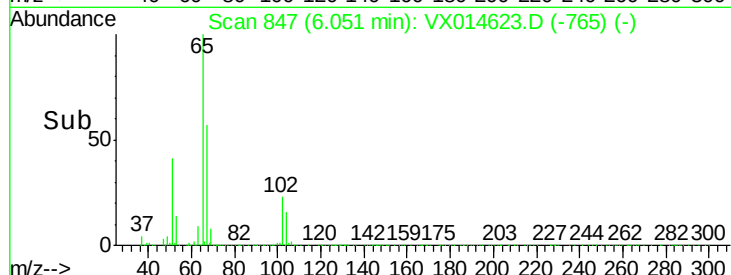
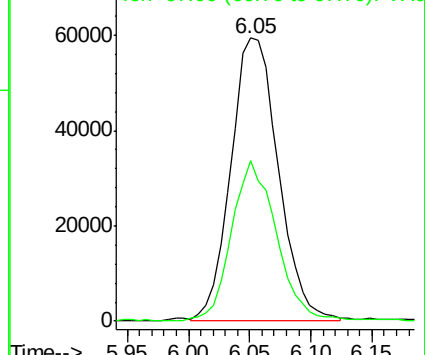
65 100

67 53.0 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014623.D

Acq: 15 Jan 2020 17:01

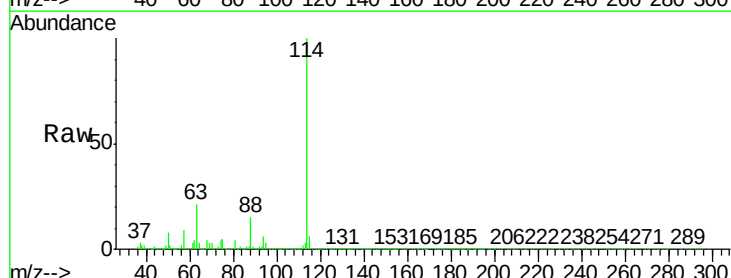
Tgt Ion: 114 Resp: 401722

Ion Ratio Lower Upper

114 100

63 20.8 16.1 24.1

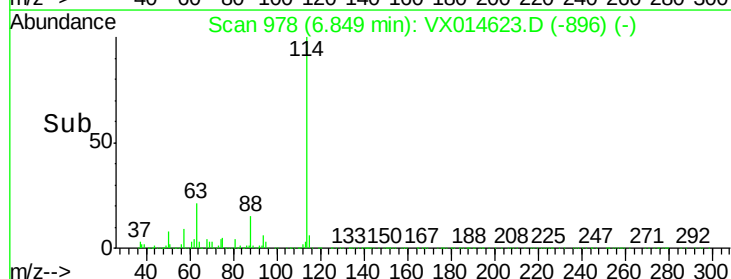
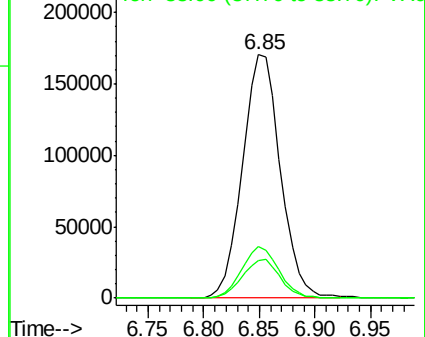
88 15.9 12.5 18.7

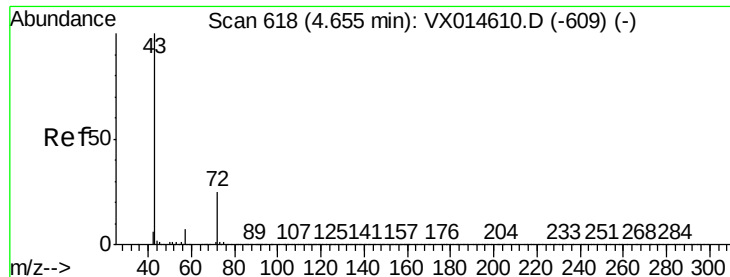


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

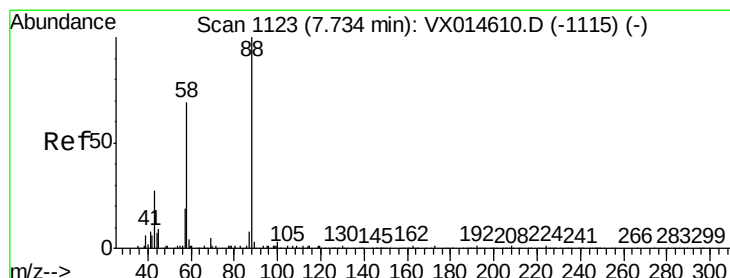
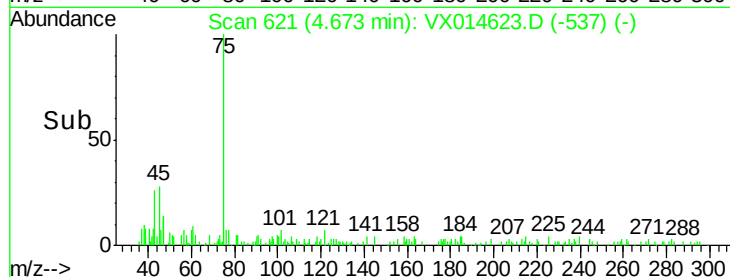
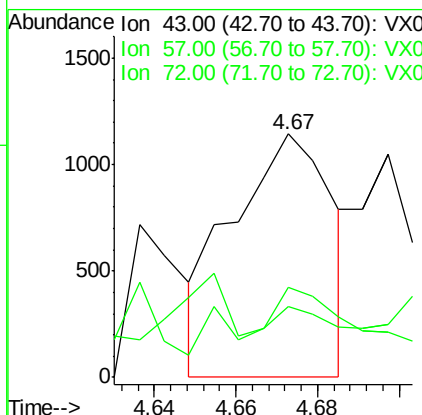
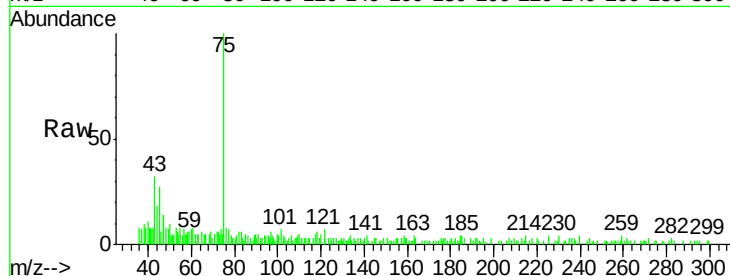




#30
2-Butanone
Concen: 0.524 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX014623.D
Acq: 15 Jan 2020 17:01

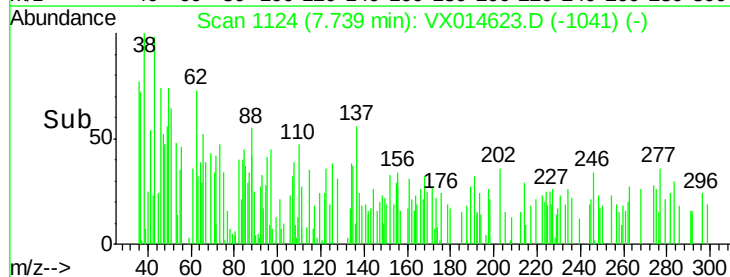
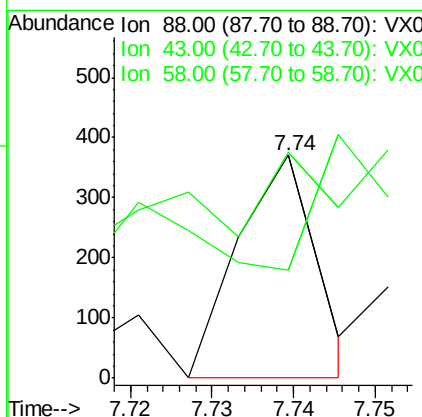
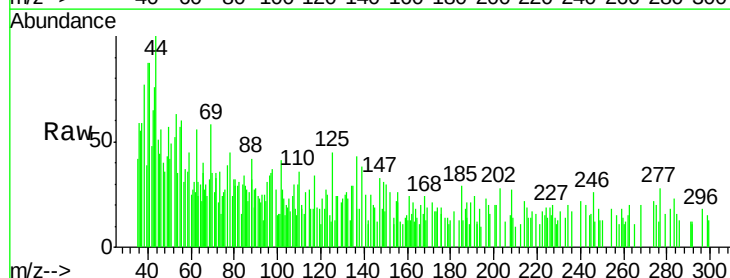
Instrument :
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ClientSampled :
TE-MW-A-1

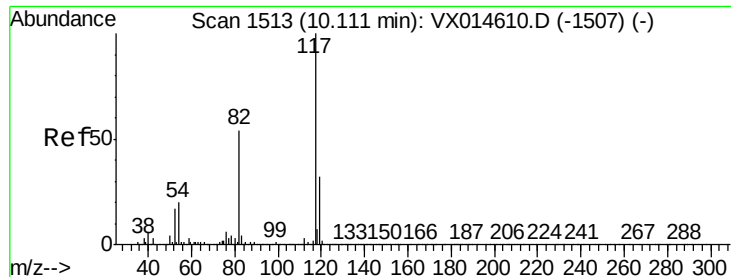
Tgt Ion: 43 Resp: 1954
Ion Ratio Lower Upper
43 100
57 10.8 6.2 9.2#
72 28.9 20.3 30.5



#45
1,4-Dioxane
Concen: 2.266 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014623.D
Acq: 15 Jan 2020 17:01

Tgt Ion: 88 Resp: 247
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 54.7 56.5 84.7#

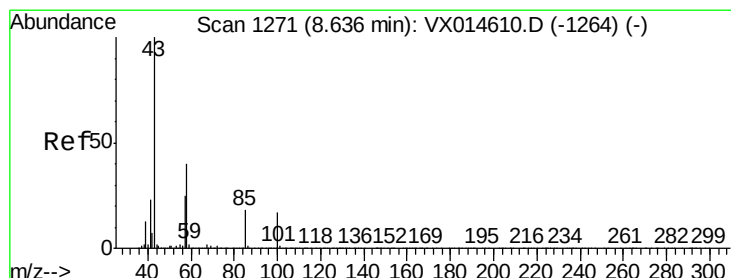
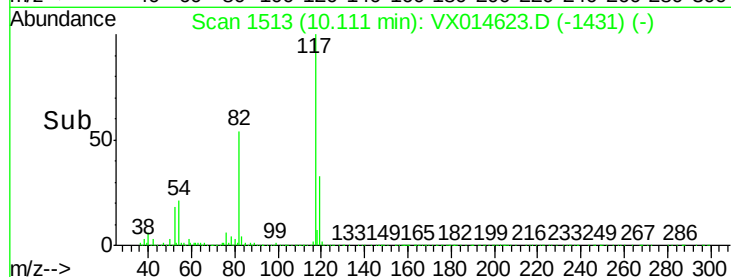
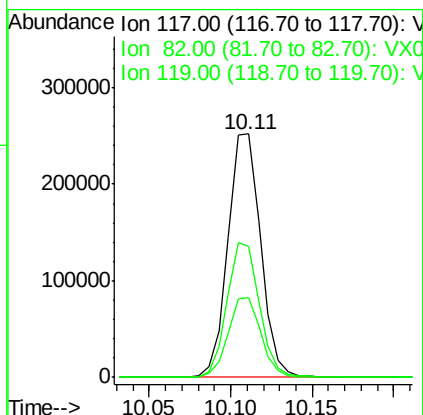
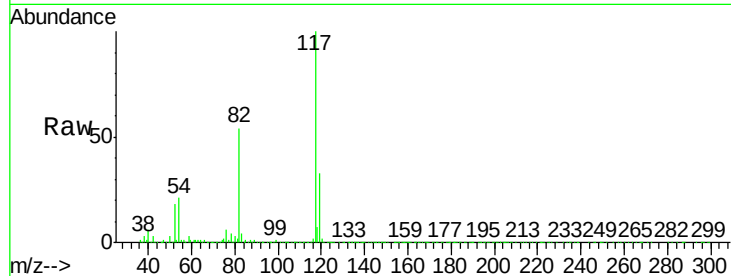




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014623.D
Acq: 15 Jan 2020 17:01

Instrument :
MSVOA_X
ClientSampled :
TE-MW-A-1

Tgt Ion:117 Resp: 352162
Ion Ratio Lower Upper
117 100
82 54.8 43.8 65.6
119 32.7 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.275 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX014623.D
Acq: 15 Jan 2020 17:01

Tgt Ion: 43 Resp: 1827
Ion Ratio Lower Upper
43 100
58 25.1 31.2 46.8#
85 31.9 14.2 21.2#

