

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041720\
 Data File : VX015740.D
 Acq On : 17 Apr 2020 16:01
 Operator : JC/SP
 Sample : L2285-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 01:07:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	167278	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	932633	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	848119	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	391118	29.92	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.73%
60) 4-Bromofluorobenzene	11.12	95	424666	29.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.53%
63) Toluene-d8	8.70	98	1090414	30.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.87%

Target Compounds

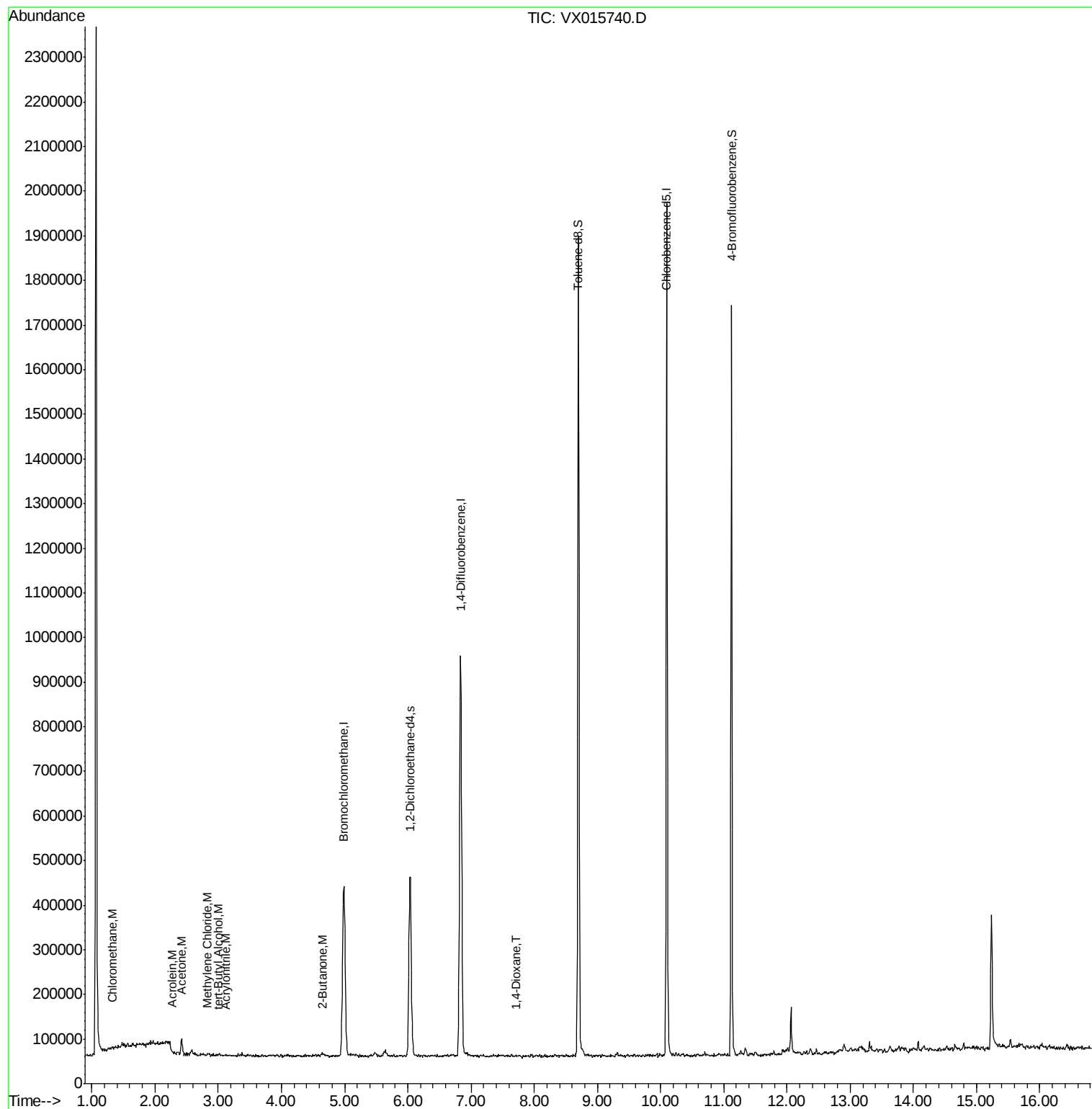
					Ovalue
3) Chloromethane	1.31	50	2499	0.253 ug/l #	50
13) Acrolein	2.28	56	655	0.378 ug/l	86
14) Acrylonitrile	3.12	53	1388	0.243 ug/l #	12
15) Acetone	2.42	58	12417	8.558 ug/l	89
18) Methylene Chloride	2.84	84	2716	0.266 ug/l #	60
23) tert-Butyl Alcohol	3.00	59	1803	0.642 ug/l #	89
30) 2-Butanone	4.66	43	3716	0.442 ug/l #	61
45) 1,4-Dioxane	7.72	88	233	0.860 ug/l #	1

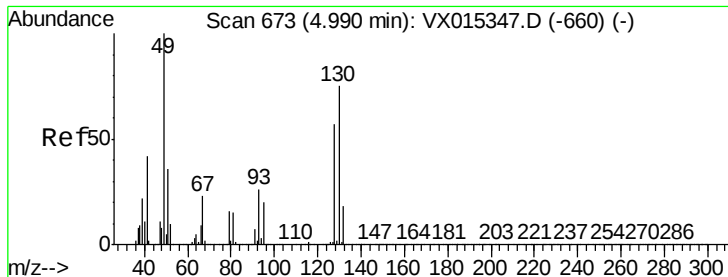
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 26 02:31:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 673

Delta R.T. 0.00 min

Lab File: VX015740.D

Acq: 17 Apr 2020 16:01

Instrument :
MSVOA_X
ClientSampleId :

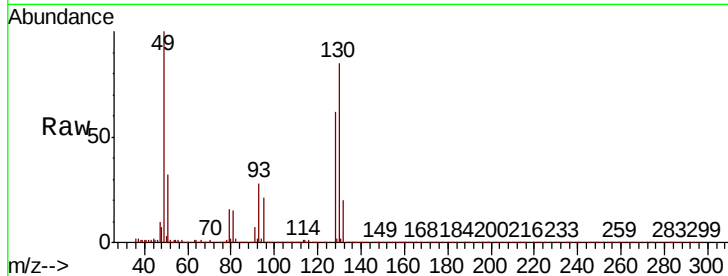
Tot Ion:128 Resp: 167278

Ion Ratio Lower Upper

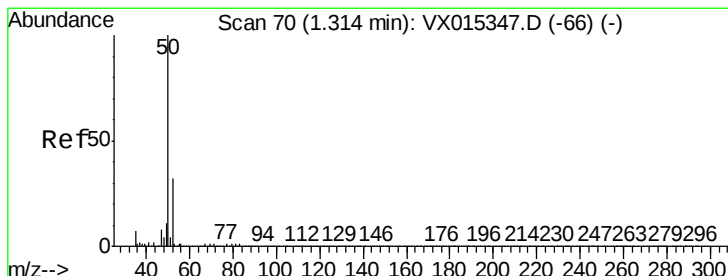
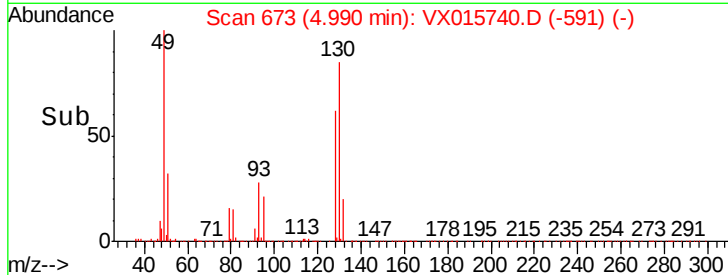
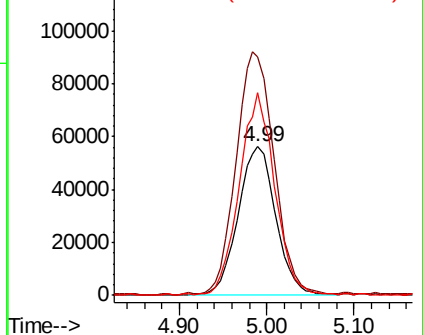
128 100

49 164.4 0.0 428.0

130 127.3 0.0 324.5



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



#3

Chloromethane

Concen: 0.253 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015740.D

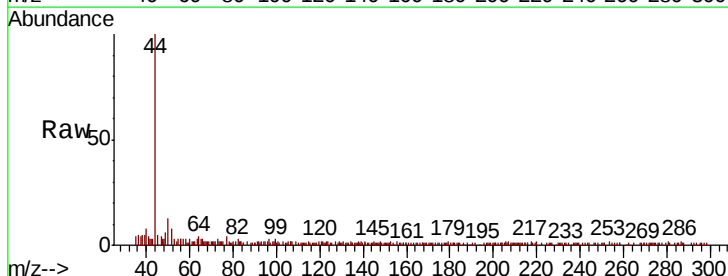
Acq: 17 Apr 2020 16:01

Tgt Ion: 50 Resp: 2499

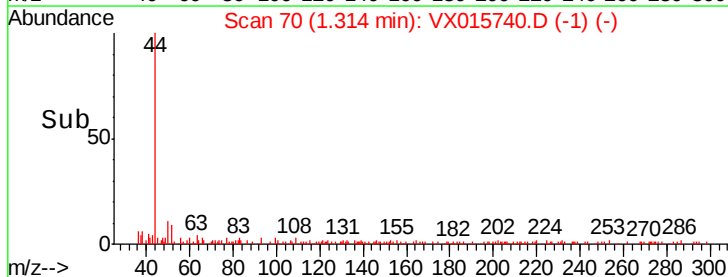
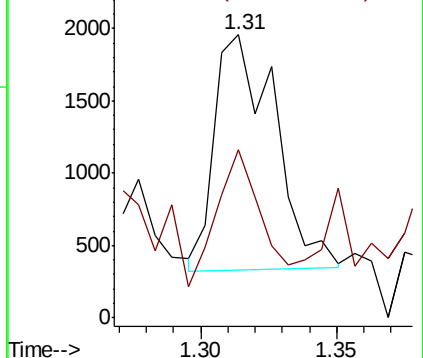
Ion Ratio Lower Upper

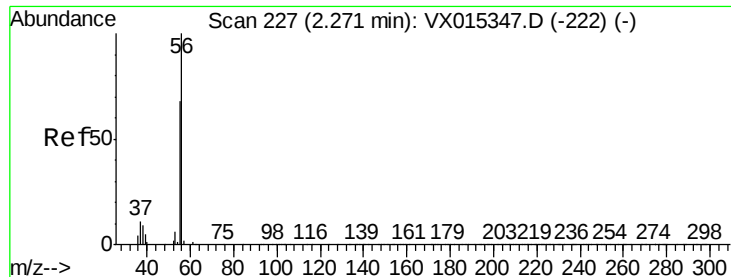
50 100

52 59.7 25.5 38.3#



Abundance Ion 50.00 (49.70 to 50.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

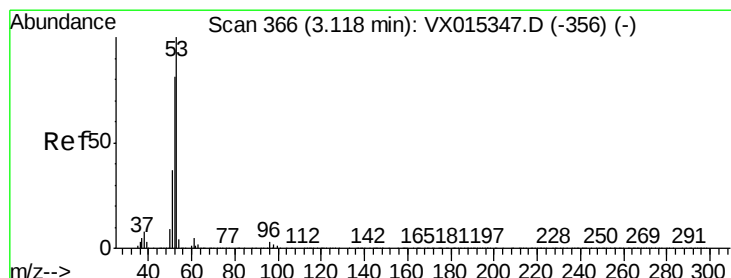
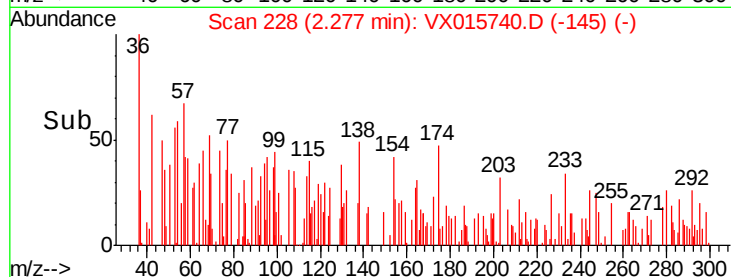
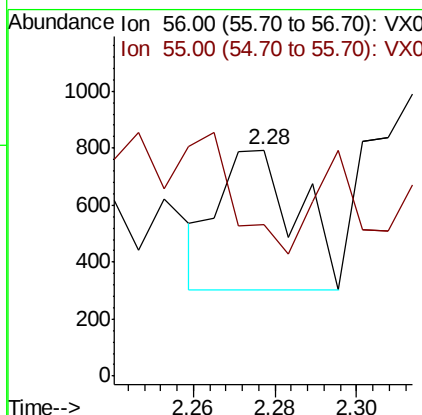
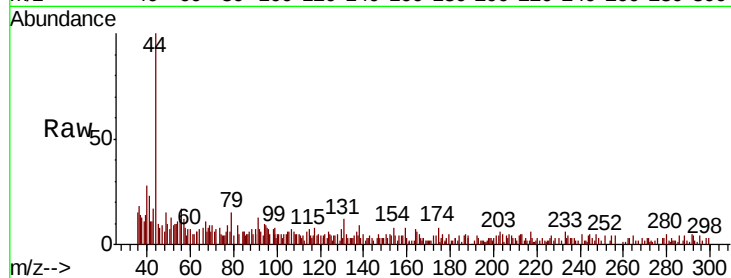




#13
Acrolein
Concen: 0.378 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015740.D
Acq: 17 Apr 2020 16:01

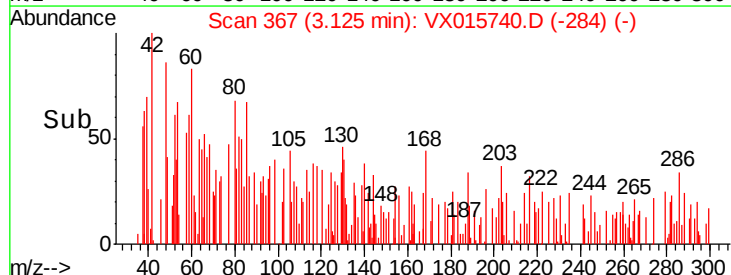
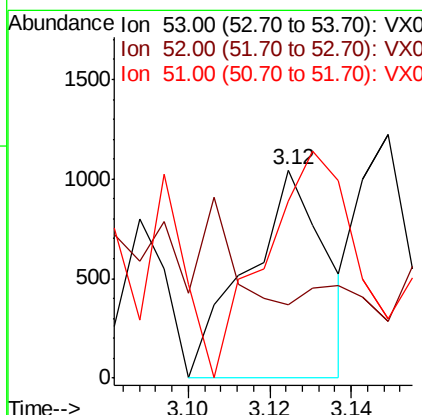
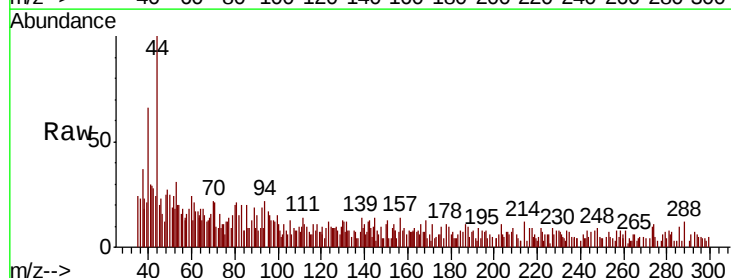
Instrument :
MSVOA_X
ClientSampleId :

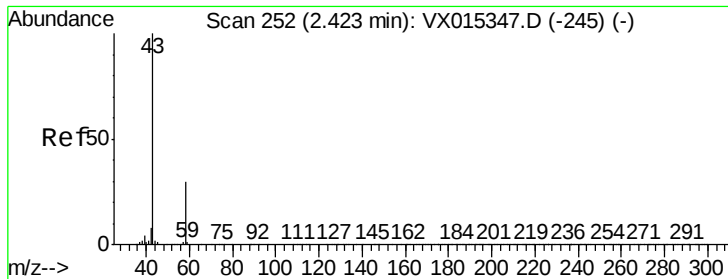
Tot Ion: 56 Resp: 655
Ion Ratio Lower Upper
56 100
55 56.0 53.5 80.3



#14
Acrylonitrile
Concen: 0.243 ug/l
RT: 3.12 min Scan# 367
Delta R.T. 0.01 min
Lab File: VX015740.D
Acq: 17 Apr 2020 16:01

Tgt Ion: 53 Resp: 1388
Ion Ratio Lower Upper
53 100
52 29.5 41.0 123.2#
51 128.2 18.4 55.4#

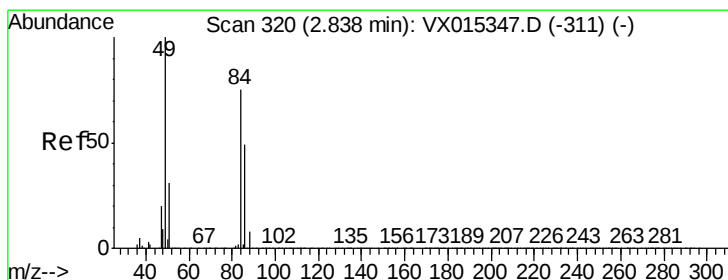
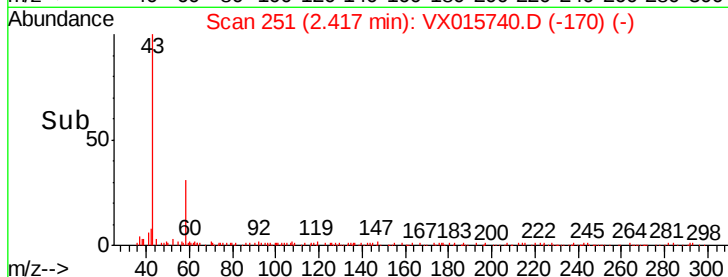
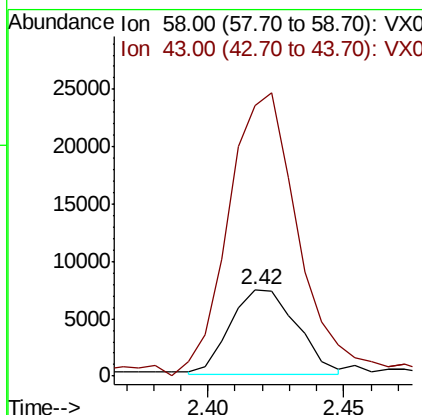
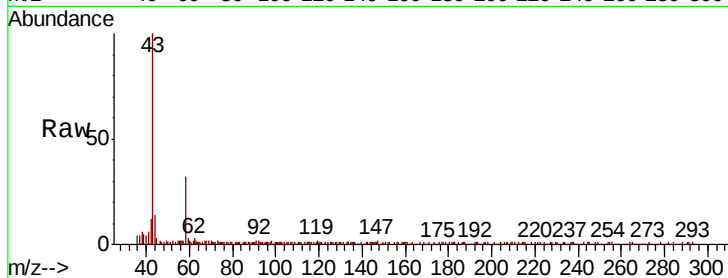




#15
Acetone
Concen: 8.558 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.01 min
Lab File: VX015740.D
Acq: 17 Apr 2020 16:01

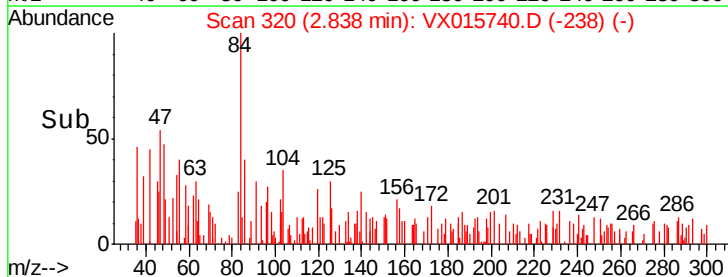
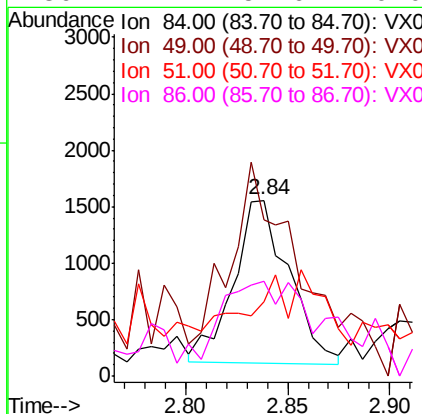
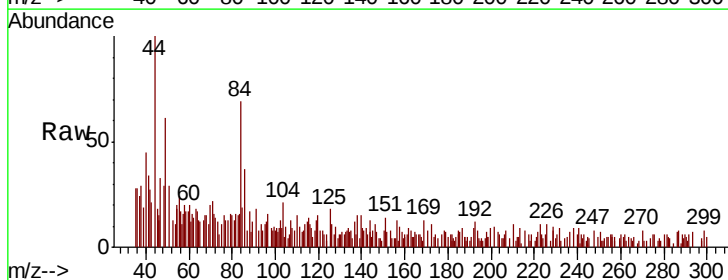
Instrument :
MSVOA_X
ClientSampleId :

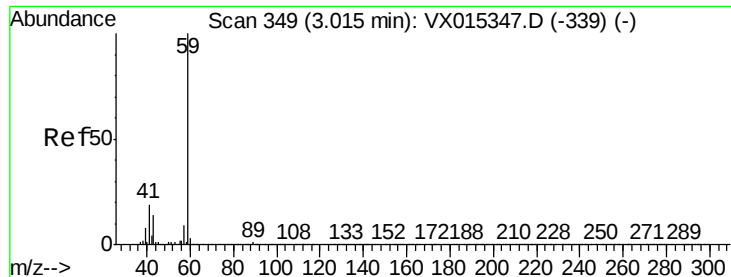
Tot Ion: 58 Resp: 12417
Ion Ratio Lower Upper
58 100
43 312.3 267.8 401.8



#18
Methylene Chloride
Concen: 0.266 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.00 min
Lab File: VX015740.D
Acq: 17 Apr 2020 16:01

Tgt Ion: 84 Resp: 2716
Ion Ratio Lower Upper
84 100
49 81.0 107.0 160.4#
51 17.6 33.4 50.0#
86 41.4 52.6 79.0#

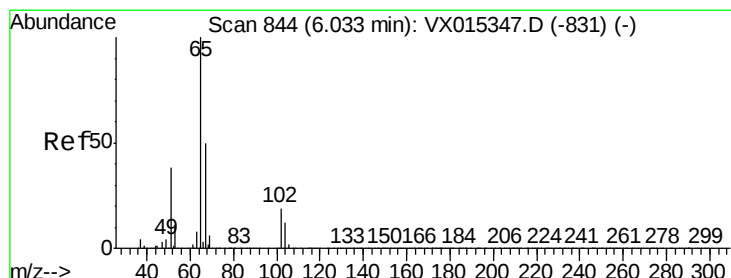
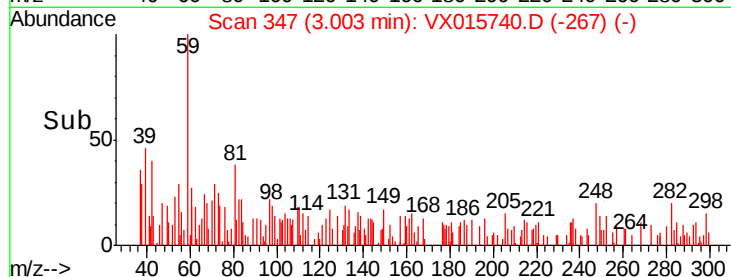
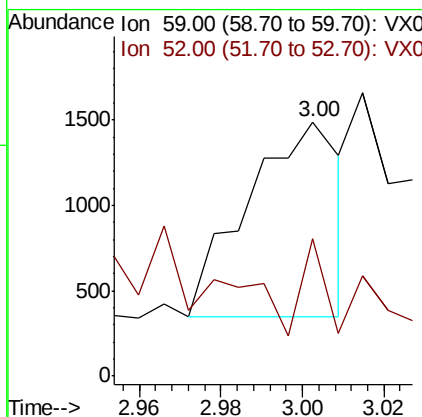
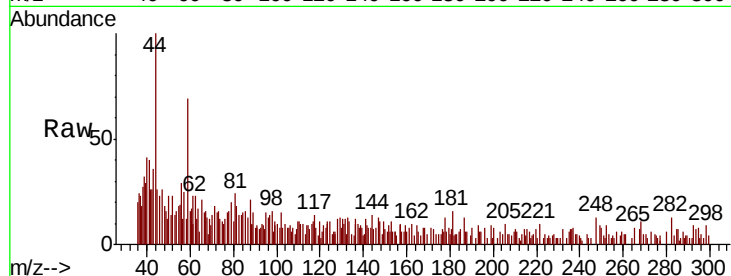




#23
tert-Butyl Alcohol
Concen: 0.642 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015740.D
Acq: 17 Apr 2020 16:01

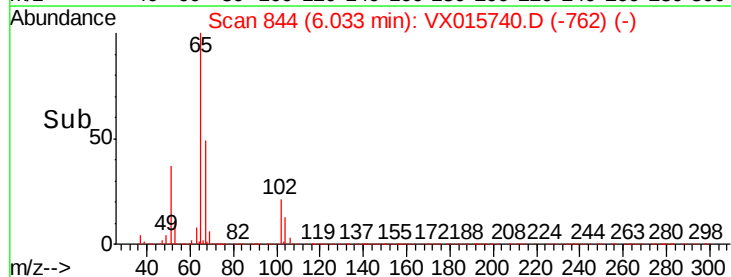
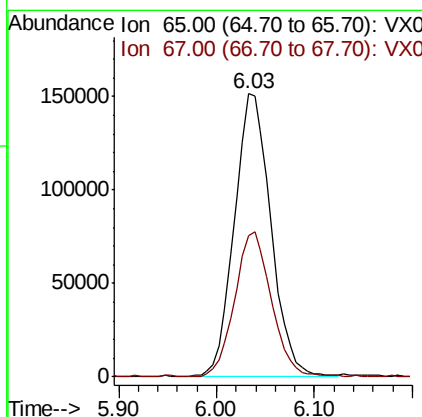
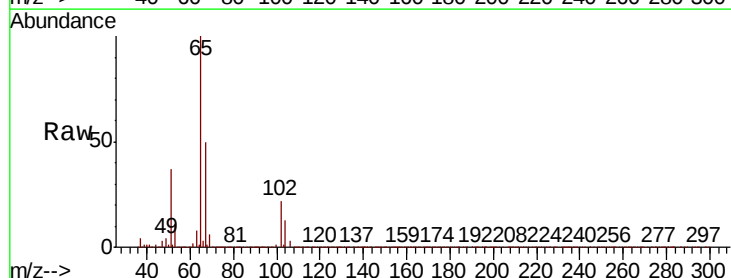
Instrument :
MSVOA_X
ClientSampled :

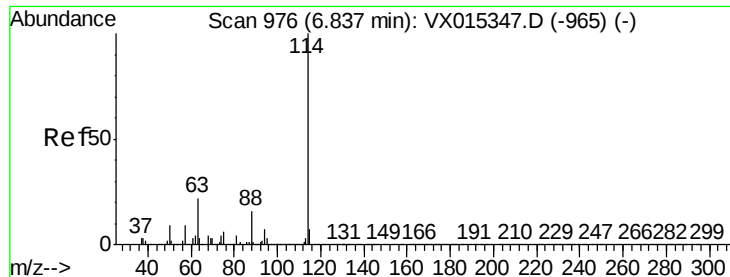
Tot Ion: 59 Resp: 1803
Ion Ratio Lower Upper
59 100
52 14.1 0.2 0.2#



#27
1,2-Dichloroethane-d4
Concen: 29.921 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015740.D
Acq: 17 Apr 2020 16:01

Tgt Ion: 65 Resp: 391118
Ion Ratio Lower Upper
65 100
67 50.9 40.9 61.3

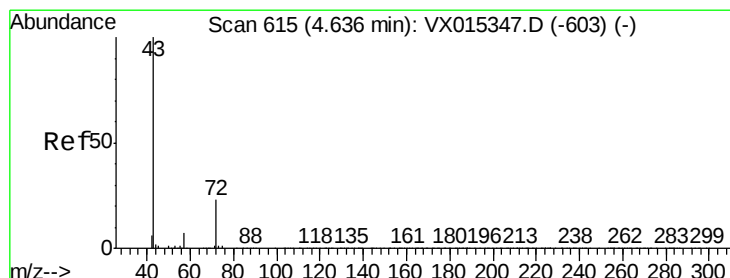
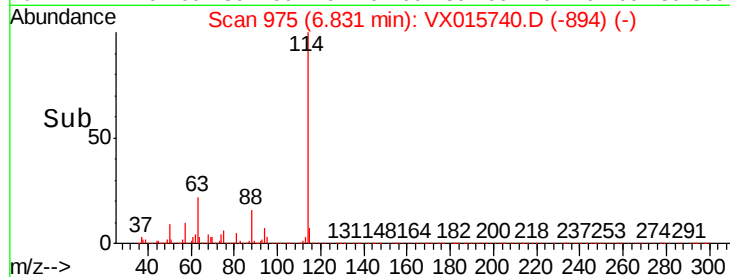
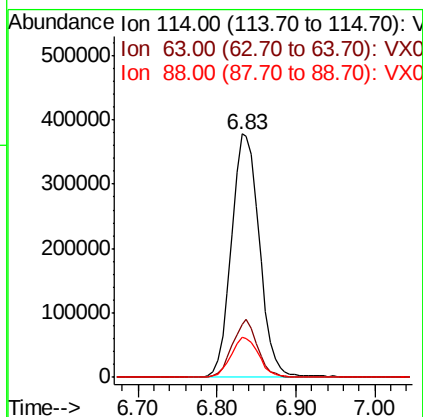
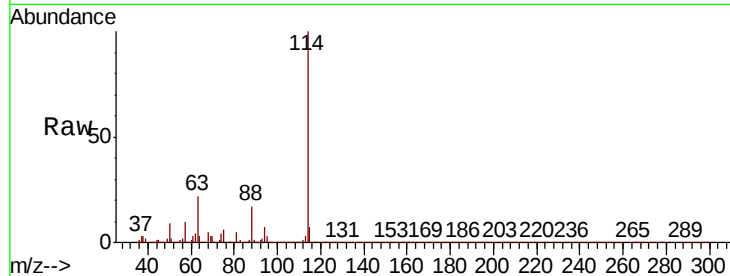




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015740.D
 Acq: 17 Apr 2020 16:01

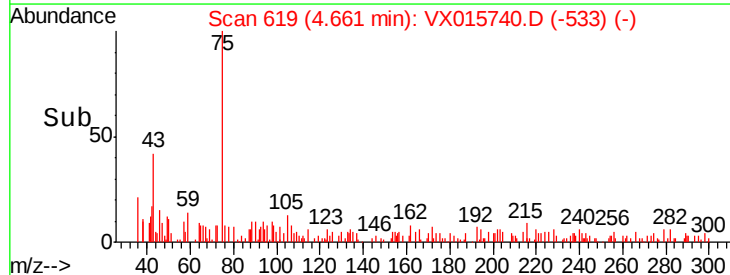
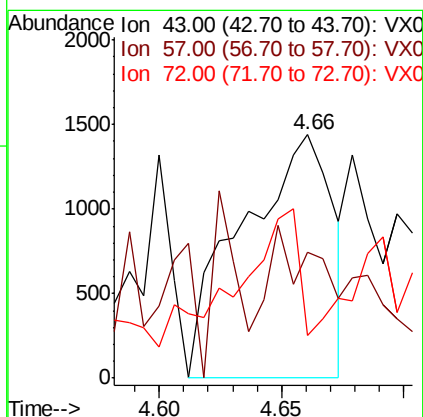
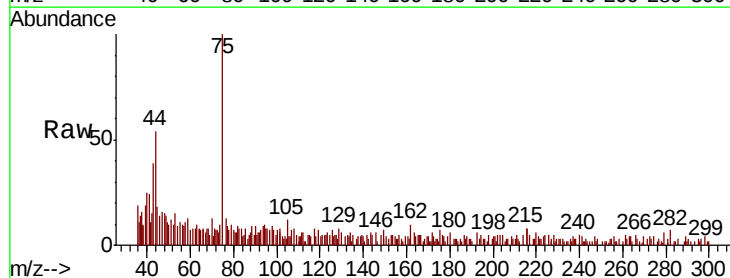
Instrument :
 MSVOA_X
 ClientSampleId :

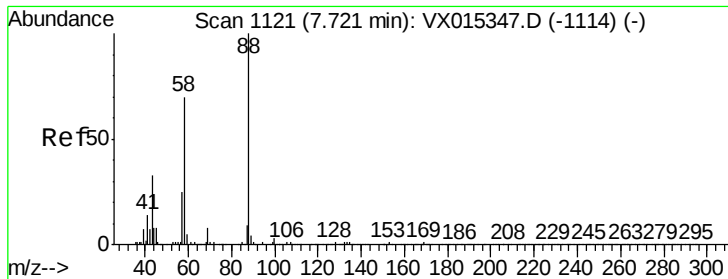
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	17.4	26.2
88	16.2	12.9	19.3



#30
 2-Butanone
 Concen: 0.442 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.02 min
 Lab File: VX015740.D
 Acq: 17 Apr 2020 16:01

Tgt Ion	Ratio	Lower	Upper
43	100		
57	10.9	5.9	8.9#
72	0.0	18.6	27.8#





#45

1,4-Dioxane

Concen: 0.860 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VX015740.D

Acq: 17 Apr 2020 16:01

Instrument :

MSVOA_X

ClientSampled :

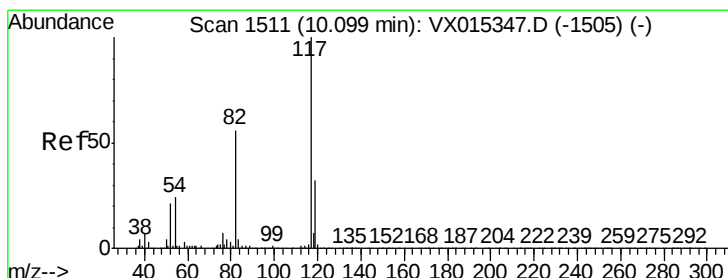
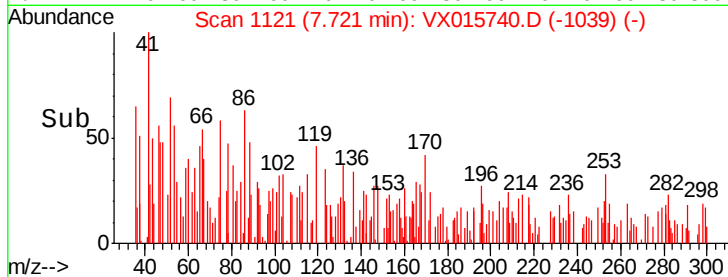
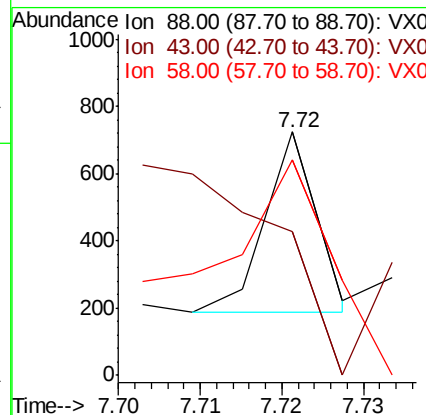
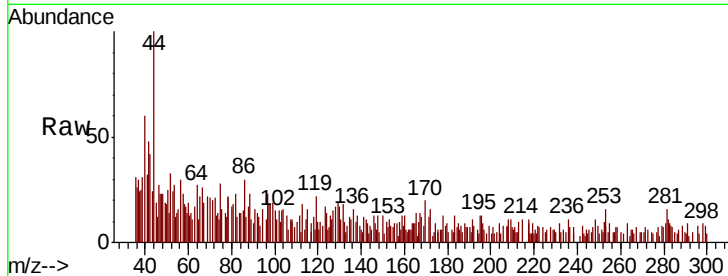
Tot Ion: 88 Resp: 233

Ion Ratio Lower Upper

88 100

43 53.2 32.1 48.1#

58 201.3 59.4 89.0#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015740.D

Acq: 17 Apr 2020 16:01

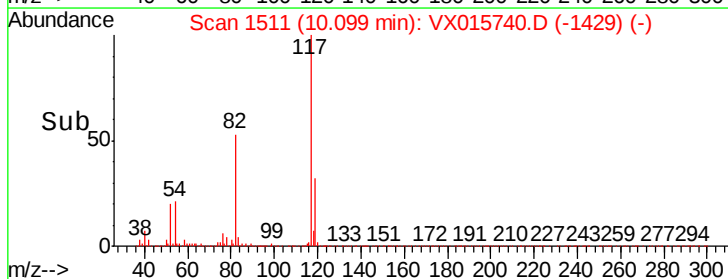
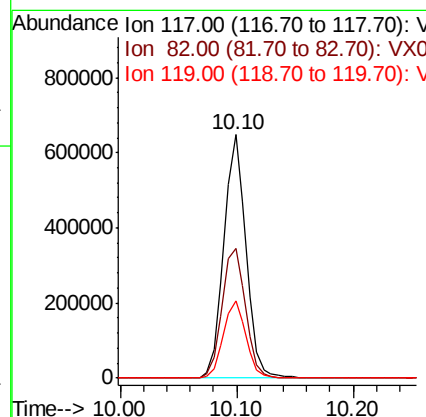
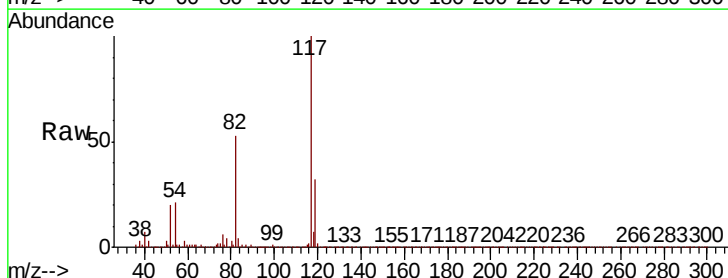
Tgt Ion: 117 Resp: 848119

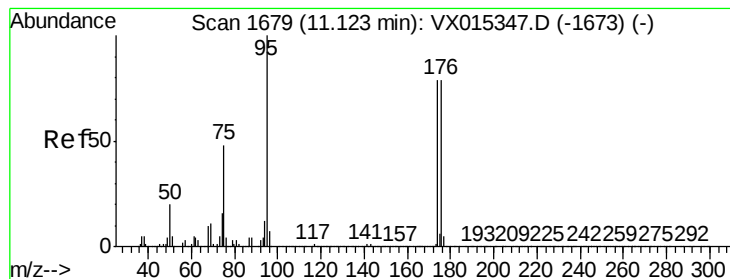
Ion Ratio Lower Upper

117 100

82 56.3 45.0 67.6

119 32.6 25.5 38.3





#60

4-Bromofluorobenzene

Concen: 29.258 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015740.D

Acq: 17 Apr 2020 16:01

Instrument :

MSVOA_X

ClientSampleId :

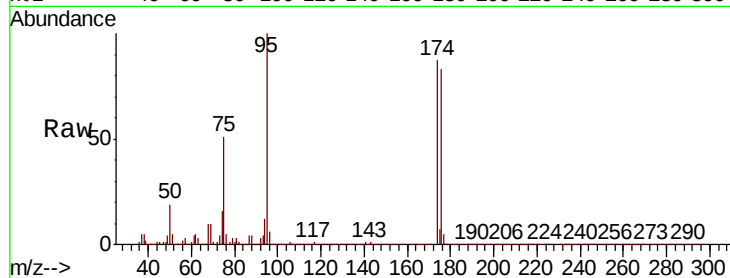
Tot Ion: 95 Resp: 424666

Ion Ratio Lower Upper

95 100

174 88.4 66.4 99.6

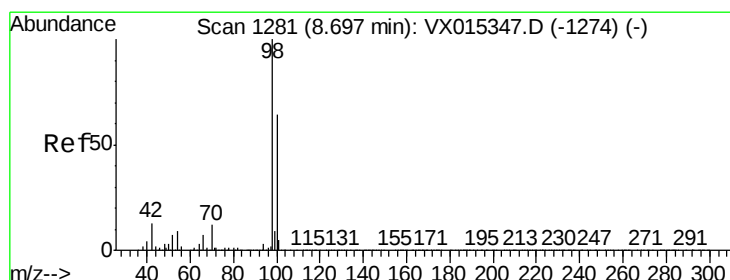
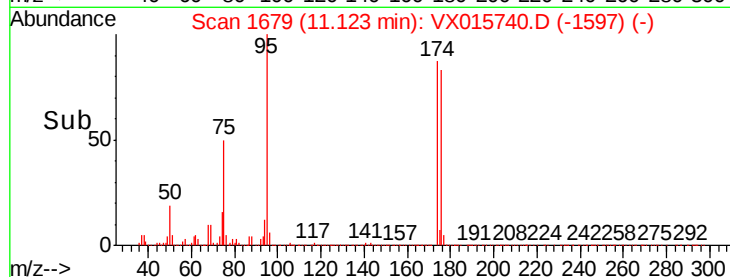
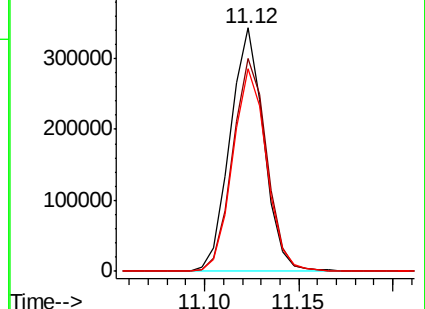
176 83.9 64.1 96.1



Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Toluene-d8

Concen: 30.261 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015740.D

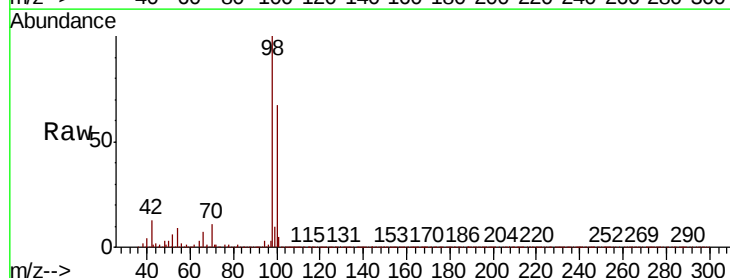
Acq: 17 Apr 2020 16:01

Tgt Ion: 98 Resp: 1090414

Ion Ratio Lower Upper

98 100

100 66.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

