

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013654.D
 Acq On : 27 Nov 2019 16:09
 Operator : JC/SP
 Sample : K5960-01 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

Quant Time: Nov 28 00:34:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	107690	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	611521	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	533753	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	232569	29.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.50%
60) 4-Bromofluorobenzene	11.13	95	237809	27.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.40%
63) Toluene-d8	8.71	98	714721	29.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.70%

Target Compounds

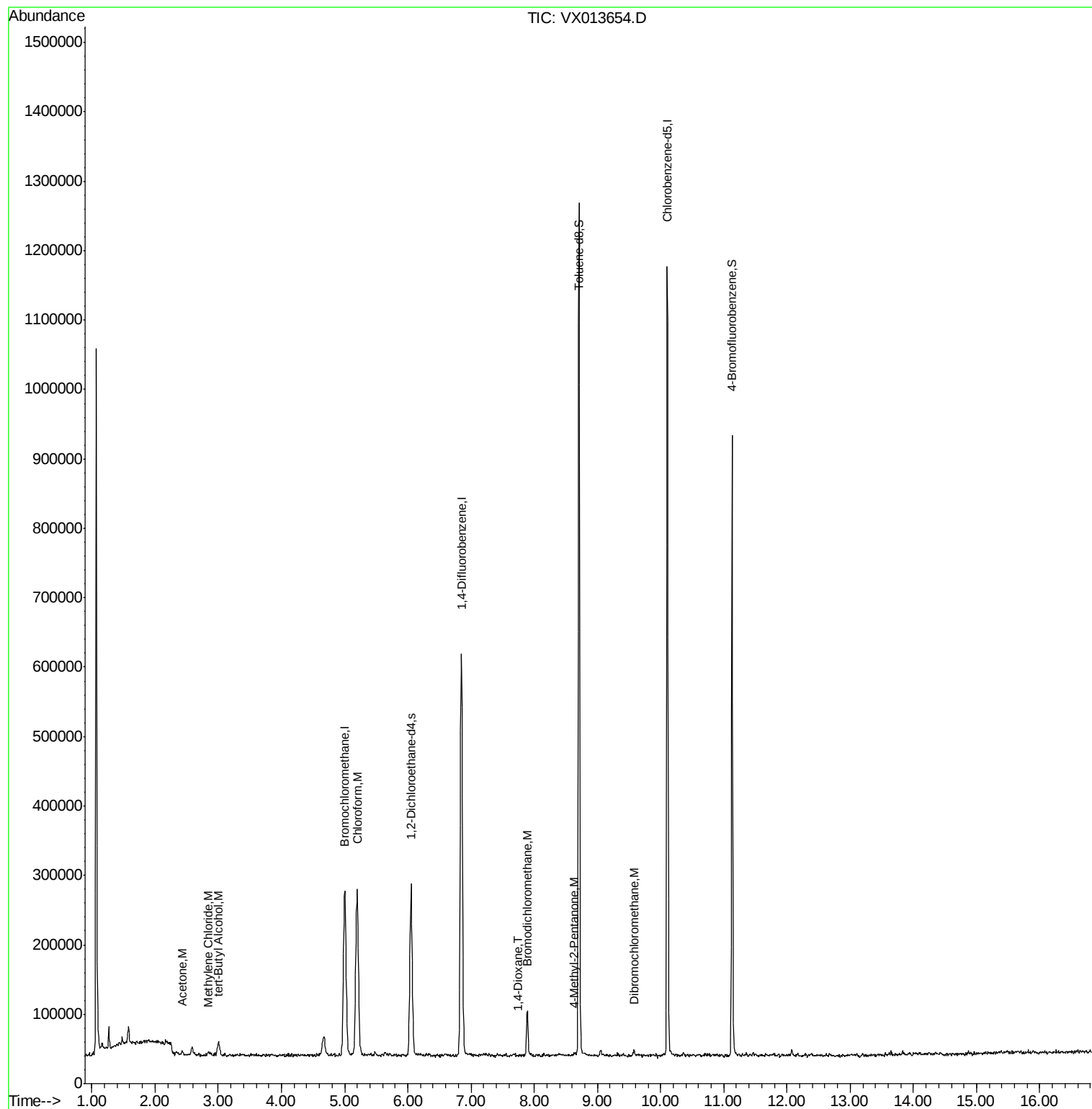
					Ovalue	
15) Acetone	2.43	58	1979	1.525	ug/l	92
18) Methylene Chloride	2.85	84	1968	0.261	ug/l #	73
23) tert-Butyl Alcohol	3.00	59	13286	6.442	ug/l #	99
25) Chloroform	5.20	83	284479	22.644	ug/l	96
41) Bromodichloromethane	7.89	83	42966	4.515	ug/l	98
45) 1,4-Dioxane	7.73	88	293	1.468	ug/l #	18
53) Dibromochloromethane	9.57	129	3524	0.461	ug/l	98
58) 4-Methyl-2-Pentanone	8.63	43	4308	0.386	ug/l #	59

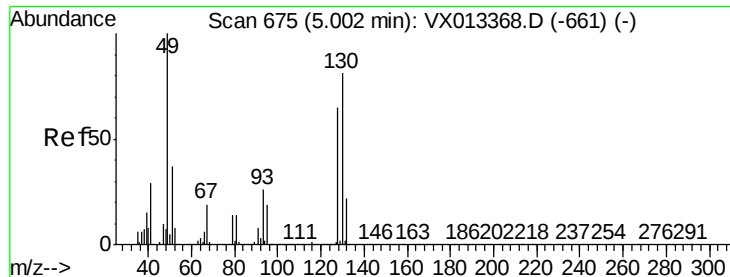
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
14B-1

Quant Time: Nov 28 00:34:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX013654.D

Acq: 27 Nov 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

14B-1

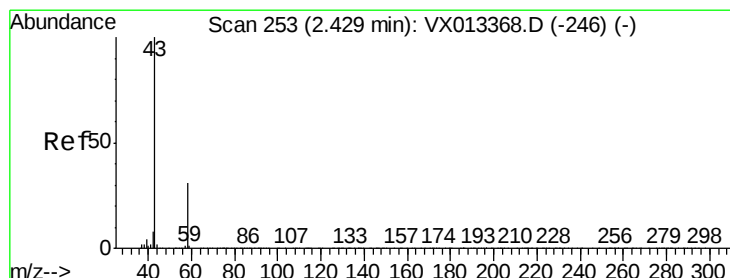
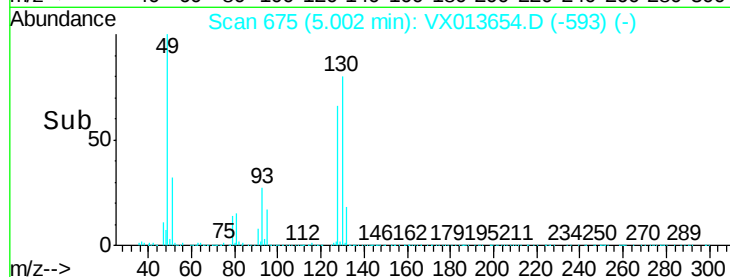
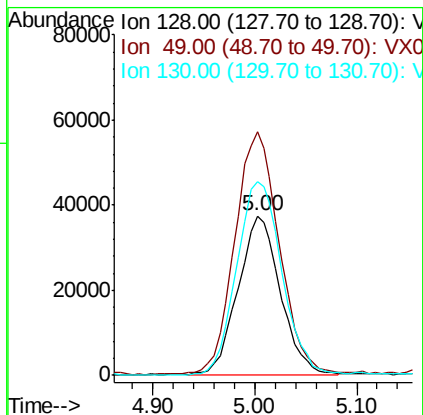
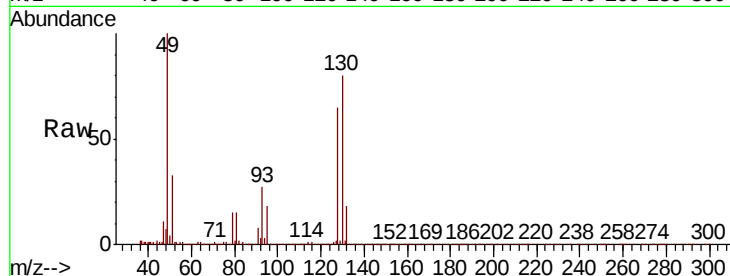
Tot Ion:128 Resp: 107690

Ion Ratio Lower Upper

128 100

49 160.0 0.0 388.3

130 130.7 0.0 318.5



#15

Acetone

Concen: 1.525 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013654.D

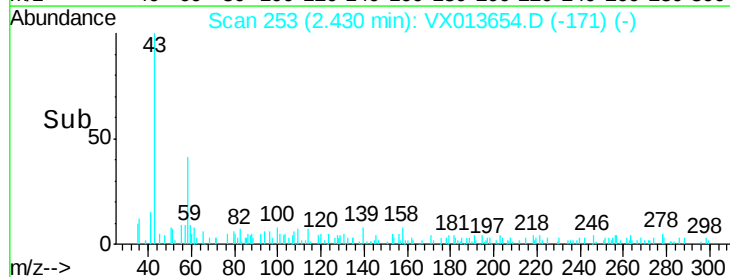
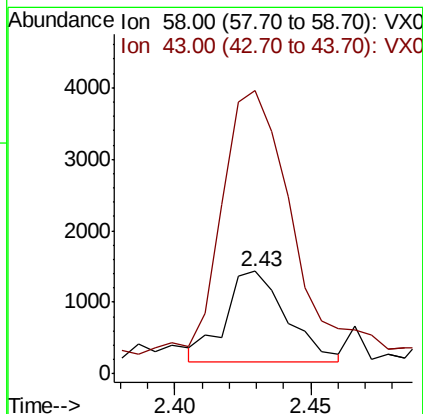
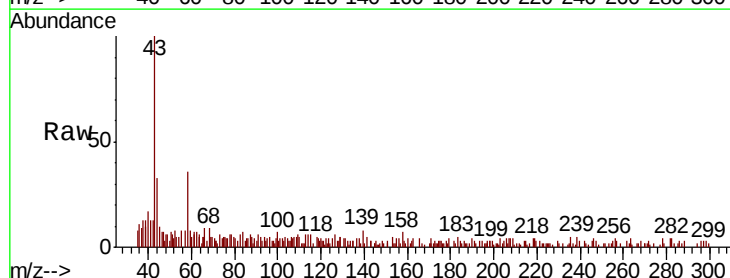
Acq: 27 Nov 2019 16:09

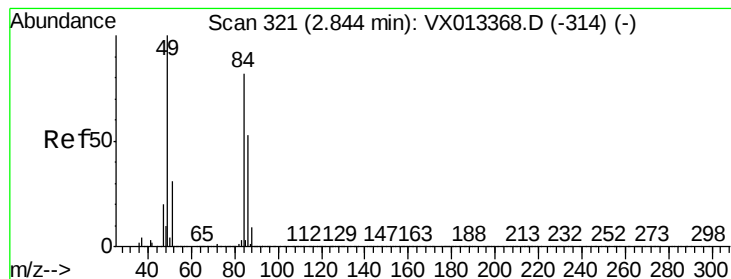
Tgt Ion: 58 Resp: 1979

Ion Ratio Lower Upper

58 100

43 309.4 261.4 392.2





#18

Methylene Chloride

Concen: 0.261 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013654.D

Acq: 27 Nov 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

14B-1

Tot Ion: 84 Resp: 1968

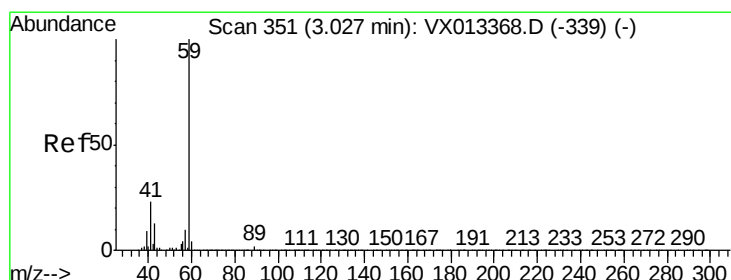
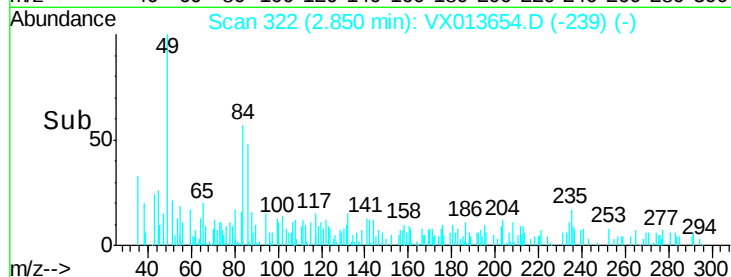
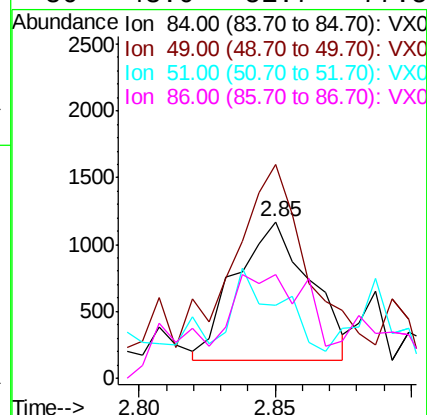
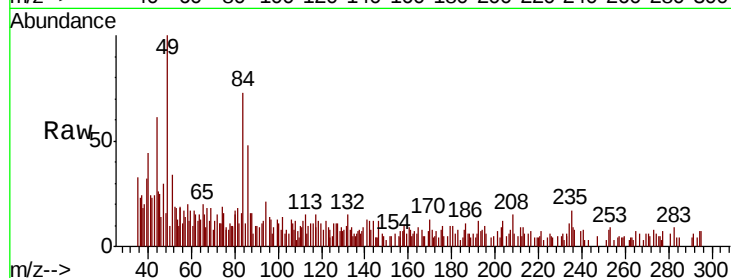
Ion Ratio Lower Upper

84 100

49 95.0 96.8 145.2#

51 14.9 30.0 45.0#

86 43.0 51.7 77.5#



#23

tert-Butyl Alcohol

Concen: 6.442 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.02 min

Lab File: VX013654.D

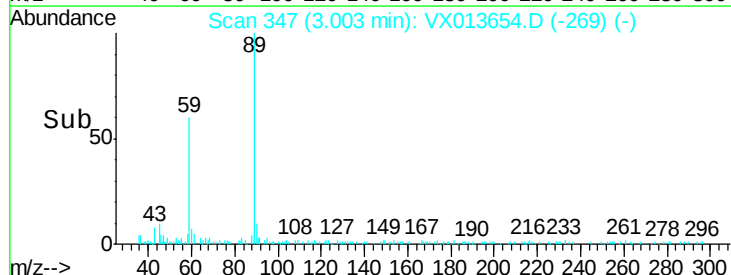
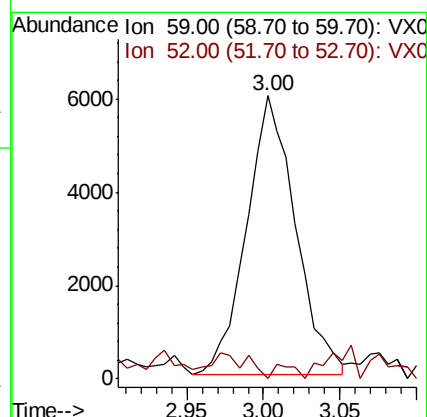
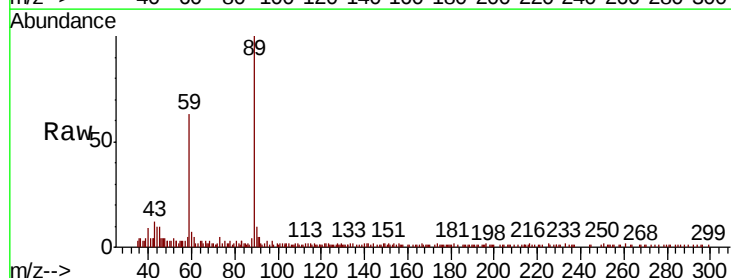
Acq: 27 Nov 2019 16:09

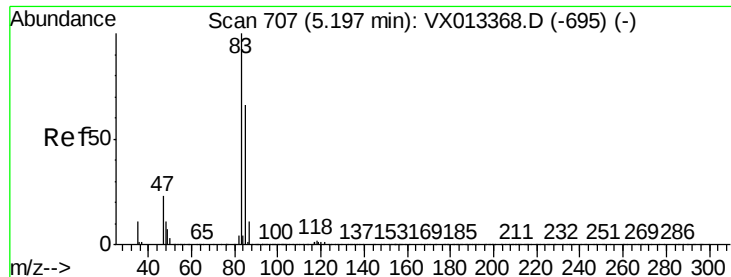
Tgt Ion: 59 Resp: 13286

Ion Ratio Lower Upper

59 100

52 2.4 0.1 0.1#

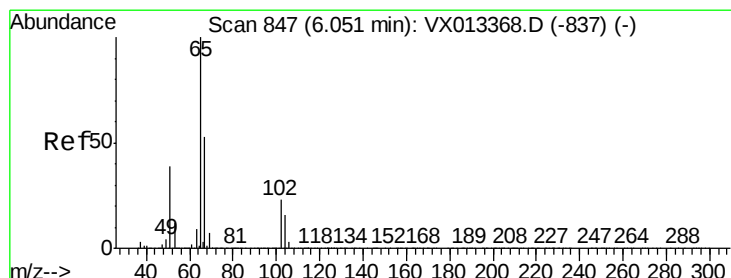
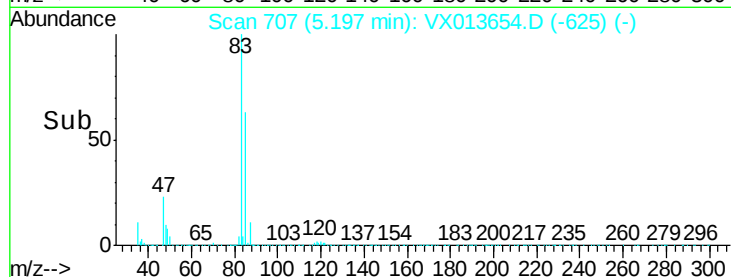
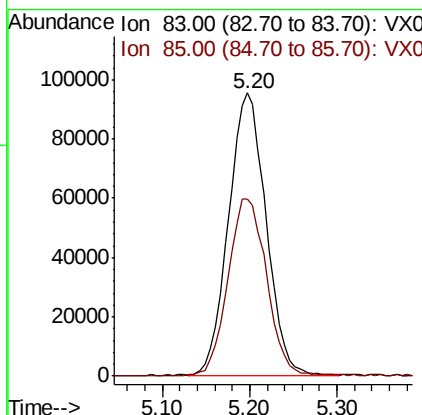
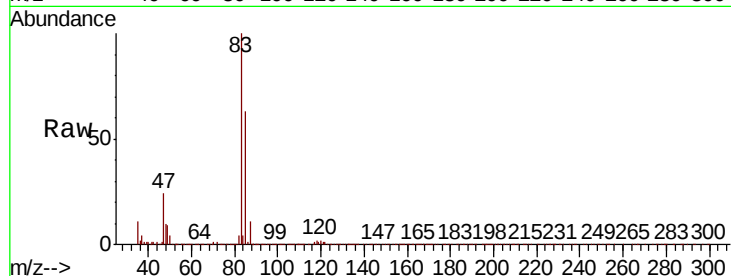




#25
Chloroform
Concen: 22.644 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013654.D
Acq: 27 Nov 2019 16:09

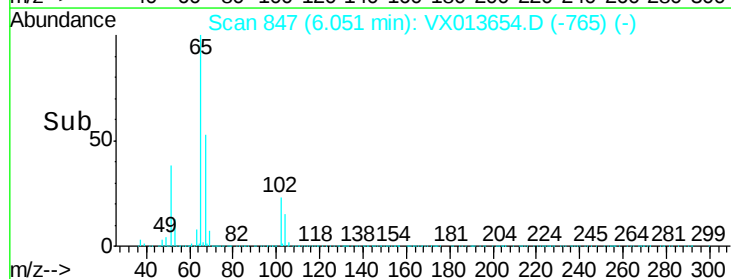
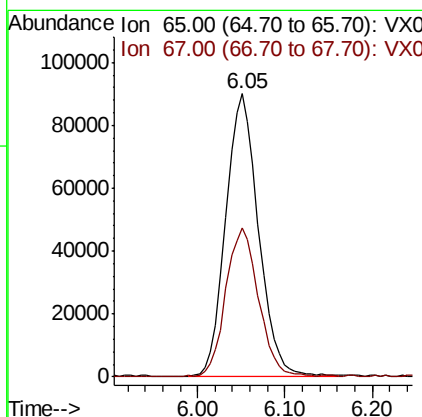
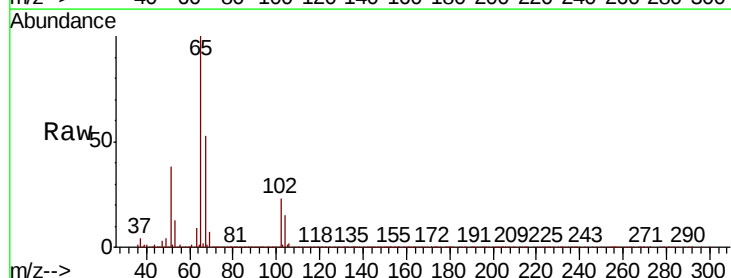
Instrument :
MSVOA_X
ClientSampled :
14B-1

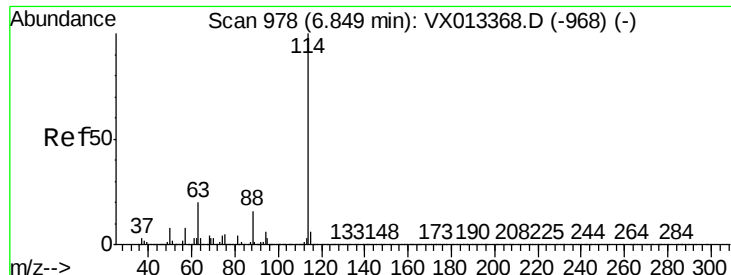
Tot Ion: 83 Resp: 284479
Ion Ratio Lower Upper
83 100
85 62.3 52.4 78.6



#27
1,2-Dichloroethane-d4
Concen: 29.246 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013654.D
Acq: 27 Nov 2019 16:09

Tgt Ion: 65 Resp: 232569
Ion Ratio Lower Upper
65 100
67 52.0 41.0 61.6

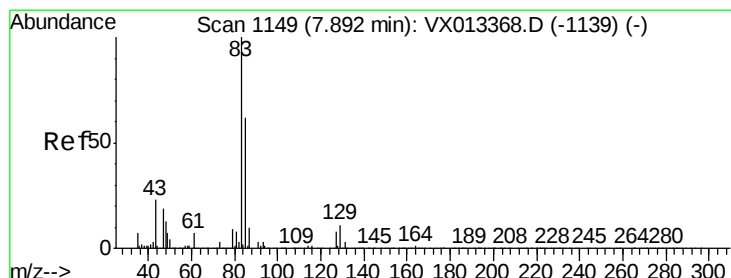
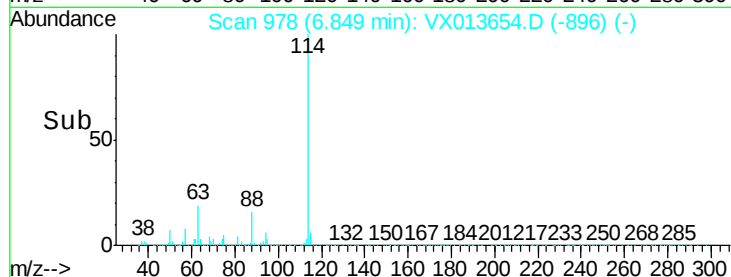
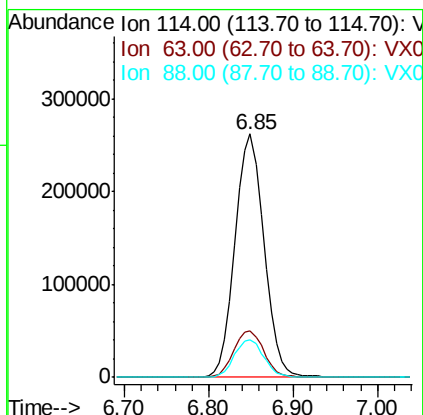
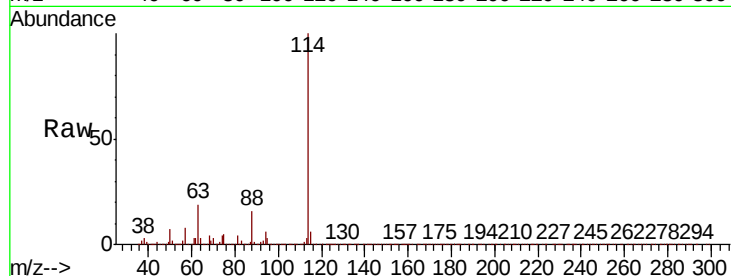




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013654.D
 Acq: 27 Nov 2019 16:09

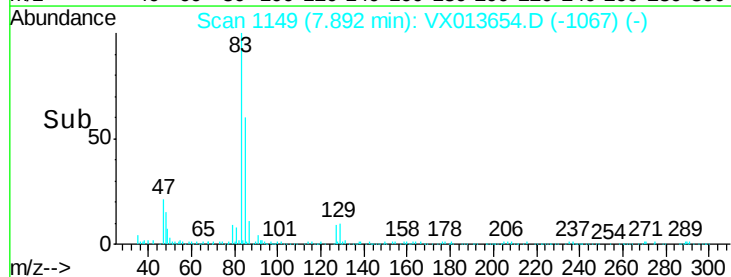
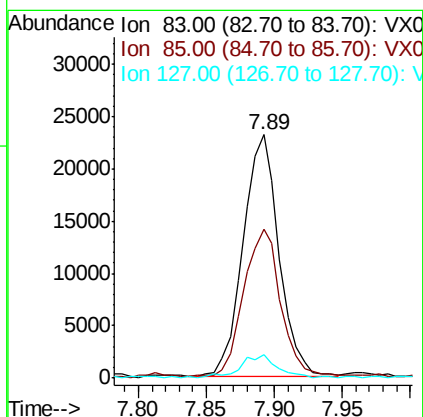
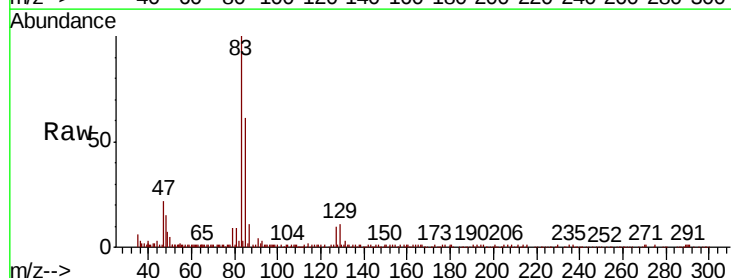
Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

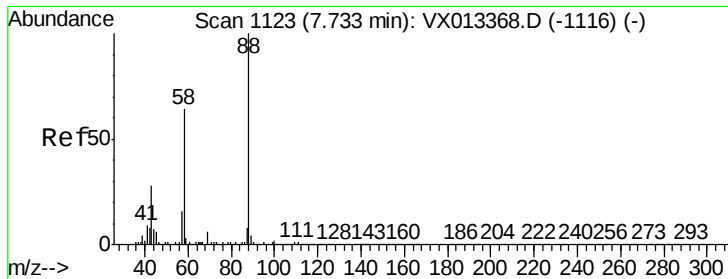
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	16.1	24.1
88	15.4	12.3	18.5



#41
 Bromodichloromethane
 Concen: 4.515 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX013654.D
 Acq: 27 Nov 2019 16:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.3	49.3	73.9
127	9.2	6.6	10.0





#45

1,4-Dioxane

Concen: 1.468 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013654.D

Acq: 27 Nov 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

14B-1

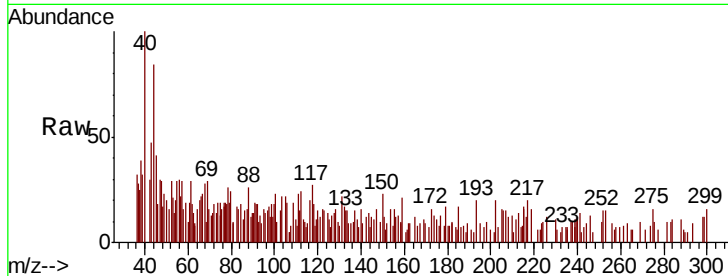
Tot Ion: 88 Resp: 293

Ion Ratio Lower Upper

88 100

43 164.2 26.1 39.1#

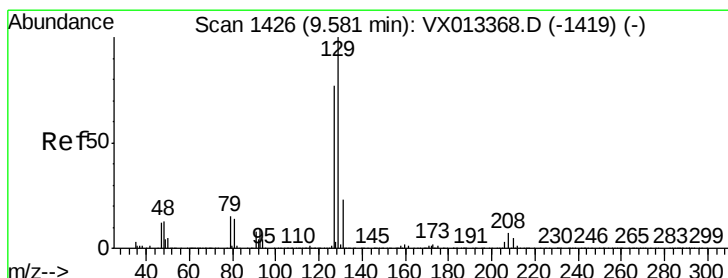
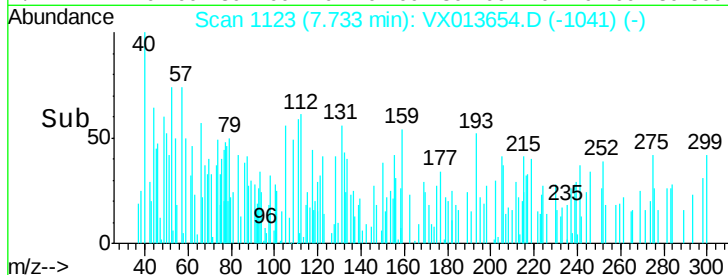
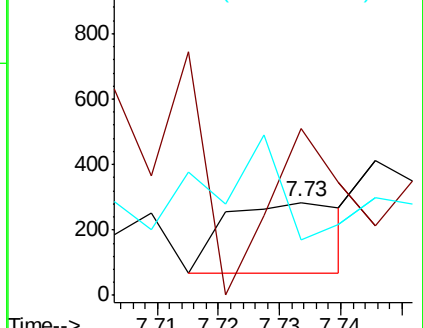
58 79.2 55.8 83.8



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#53

Dibromochloromethane

Concen: 0.461 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX013654.D

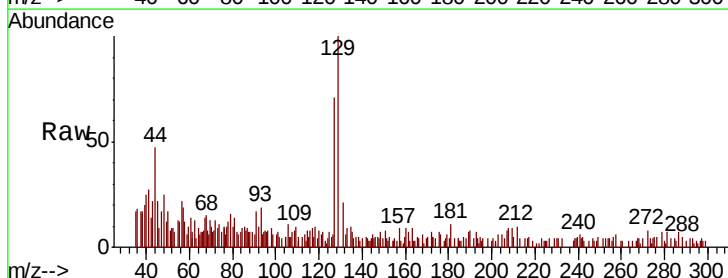
Acq: 27 Nov 2019 16:09

Tgt Ion: 129 Resp: 3524

Ion Ratio Lower Upper

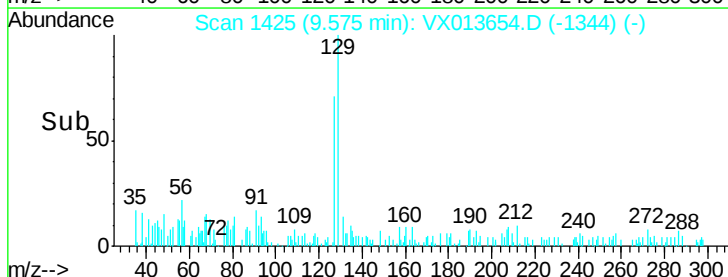
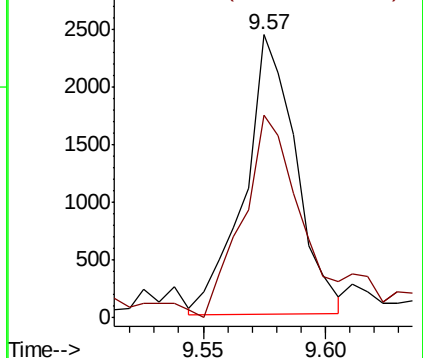
129 100

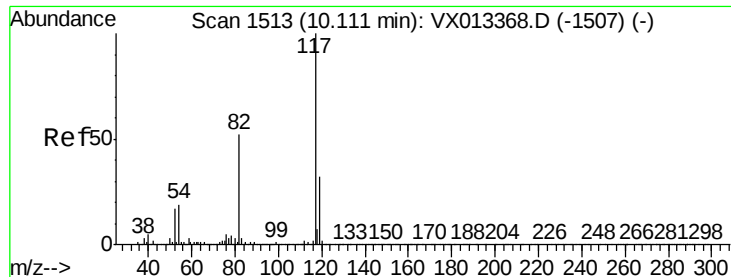
127 81.0 39.6 119.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

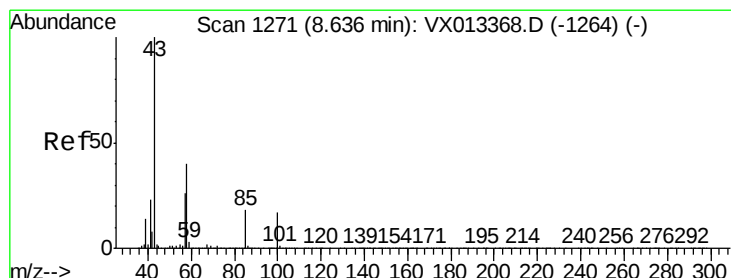
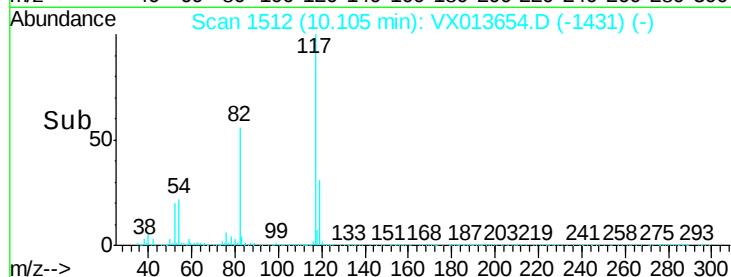
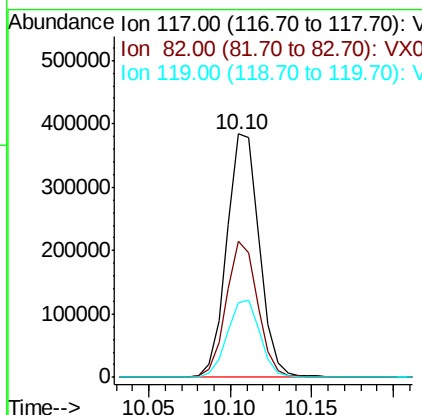
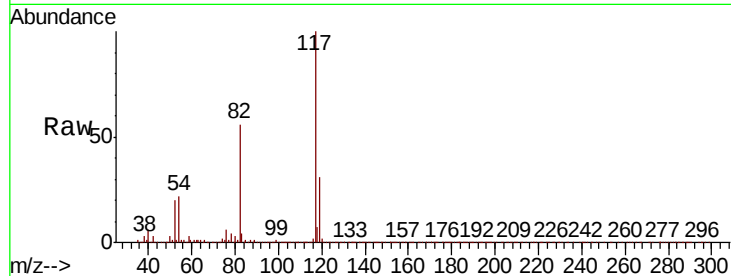




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013654.D
Acq: 27 Nov 2019 16:09

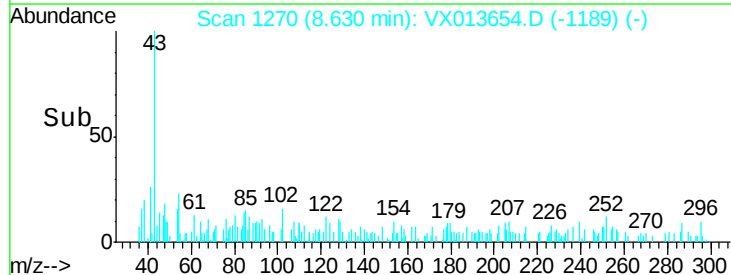
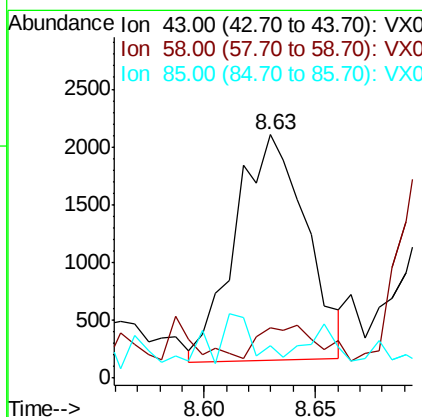
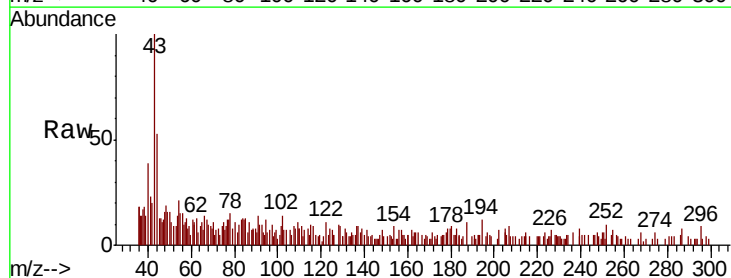
Instrument :
MSVOA_X
ClientSampleId :
14B-1

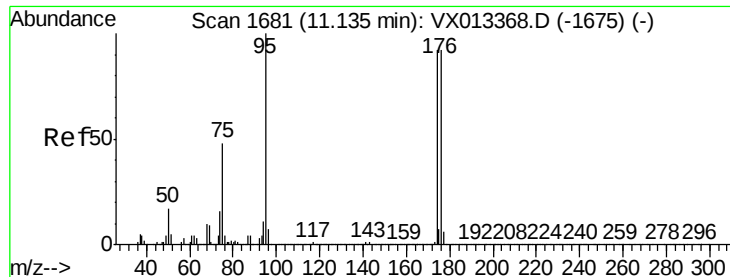
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.7	65.5
119	31.8	25.5	38.3



#58
4-Methyl-2-Pentanone
Concen: 0.386 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX013654.D
Acq: 27 Nov 2019 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	10.5	31.6	47.4#
85	6.2	14.2	21.2#

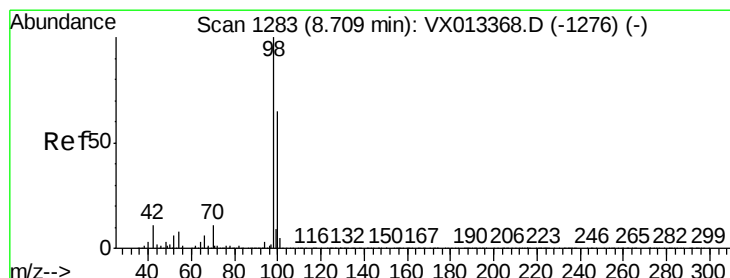
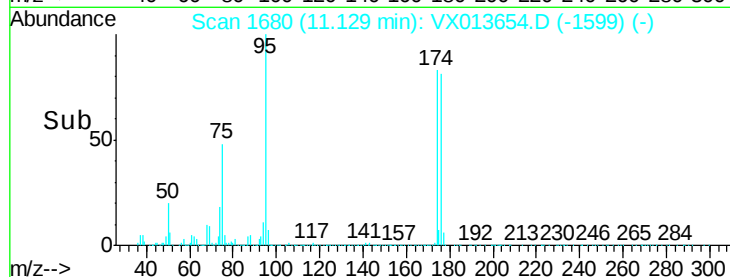
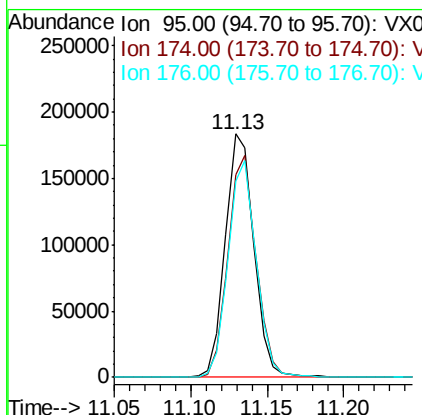
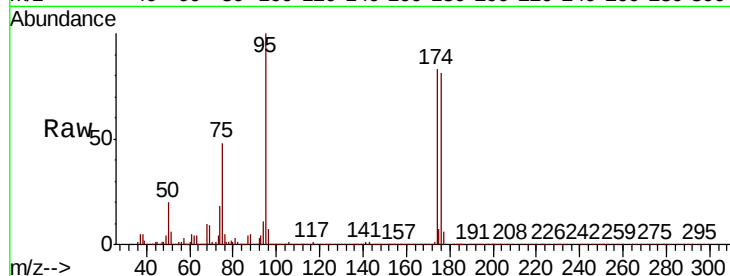




#60
4-Bromofluorobenzene
Concen: 27.720 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013654.D
Acq: 27 Nov 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
14B-1

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.6	70.2	105.2
176	87.3	68.3	102.5



#63
Toluene-d8
Concen: 29.612 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013654.D
Acq: 27 Nov 2019 16:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.5	78.7

