

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013543.D
 Acq On : 22 Nov 2019 19:04
 Operator : JC/SP
 Sample : K5960-03 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

Quant Time: Nov 22 22:26:37 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	110015	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	598570	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	521294	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	234834	28.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.37%
60) 4-Bromofluorobenzene	11.14	95	227997	27.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.70%
63) Toluene-d8	8.71	98	711381	30.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.60%

Target Compounds

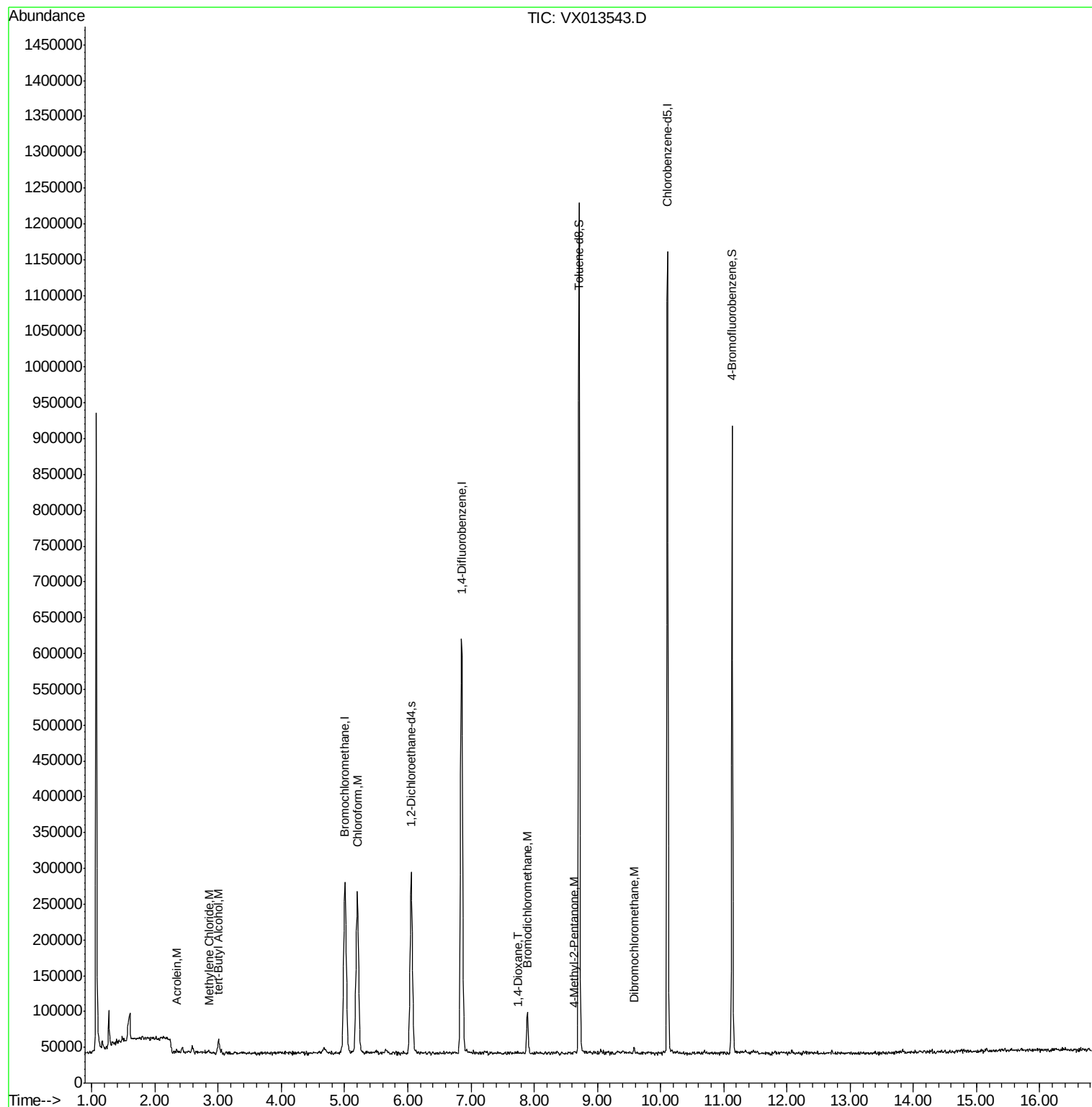
					Ovalue	
13) Acrolein	2.34	56	264	0.209	ug/l	94
18) Methylene Chloride	2.85	84	2056	0.267	ug/l #	84
23) tert-Butyl Alcohol	3.00	59	11994	5.693	ug/l #	99
25) Chloroform	5.20	83	263280	20.514	ug/l	98
41) Bromodichloromethane	7.89	83	38348	4.117	ug/l	99
45) 1,4-Dioxane	7.73	88	161	0.824	ug/l #	1
53) Dibromochloromethane	9.58	129	3091	0.413	ug/l	87
58) 4-Methyl-2-Pentanone	8.63	43	2850	0.262	ug/l #	65

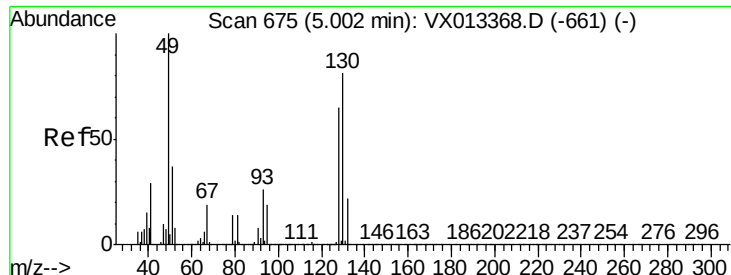
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112219\
Data File : VX013543.D
Acq On : 22 Nov 2019 19:04
Operator : JC/SP
Sample : K5960-03 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
14B-3

Quant Time: Nov 22 22:26:37 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

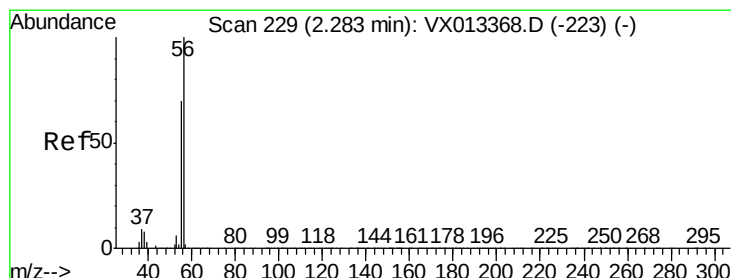
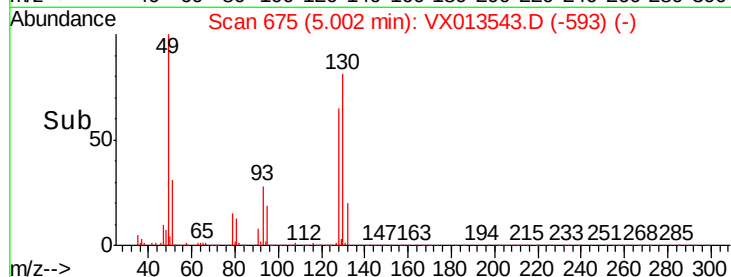
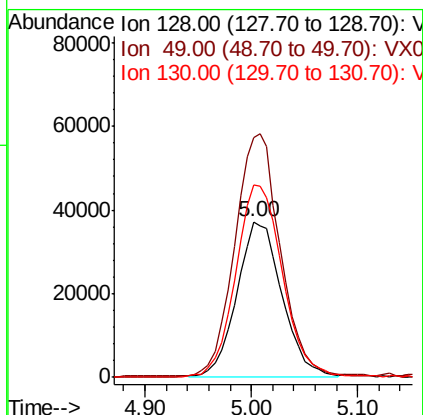
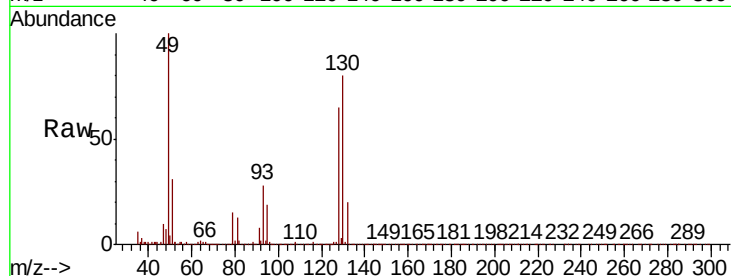




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013543.D
Acq: 22 Nov 2019 19:04

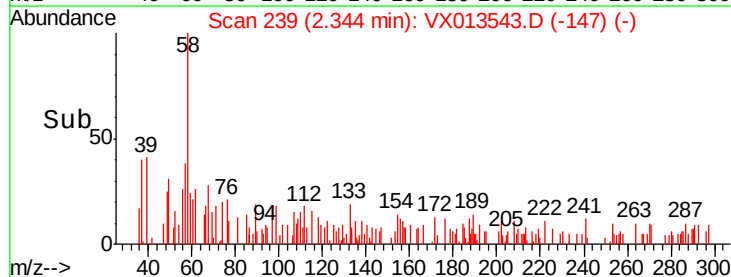
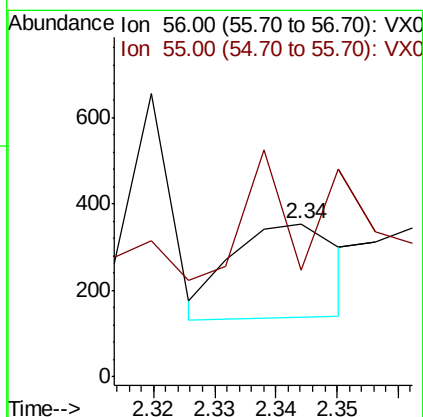
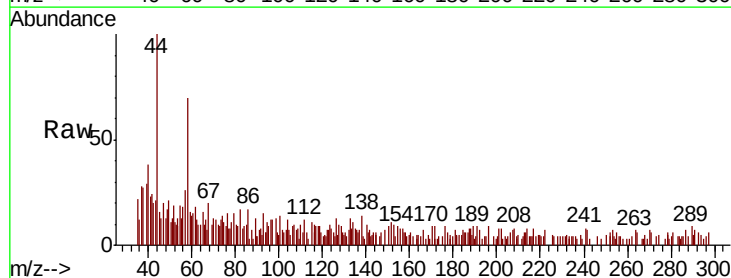
Instrument :
MSVOA_X
ClientSampleId :
14B-3

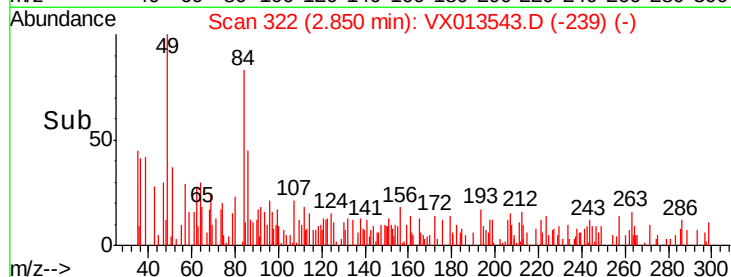
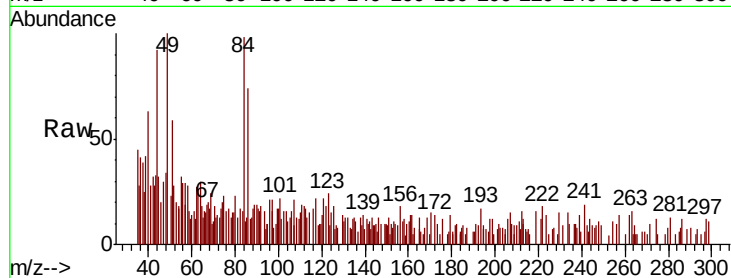
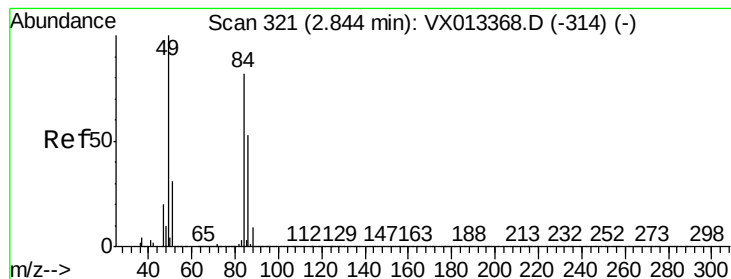
Tot Ion	Ratio	Lower	Upper
128	100		
49	157.1	0.0	388.3
130	128.9	0.0	318.5



#13
Acrolein
Concen: 0.209 ug/l
RT: 2.34 min Scan# 239
Delta R.T. 0.06 min
Lab File: VX013543.D
Acq: 22 Nov 2019 19:04

Tgt Ion	Ratio	Lower	Upper
56	100		
55	65.2	55.8	83.8





#18

Methylene Chloride

Concen: 0.267 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013543.D

Acq: 22 Nov 2019 19:04

Instrument :

MSVOA_X

ClientSampled :

14B-3

Tot Ion: 84 Resp: 2056

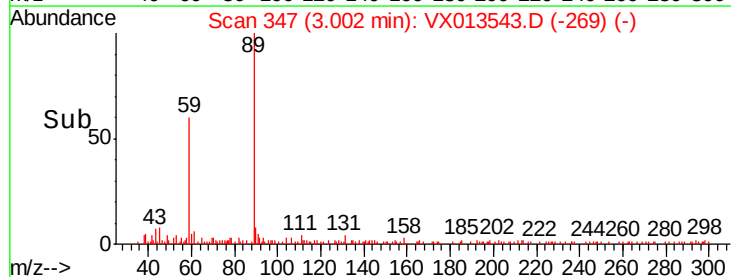
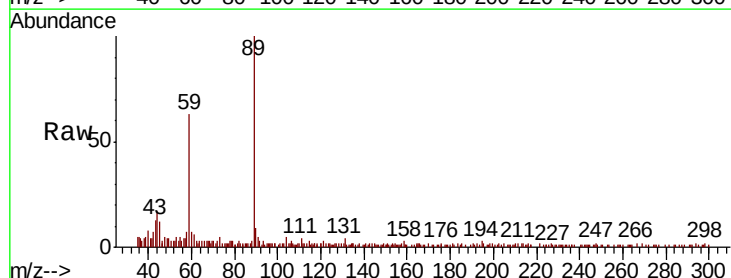
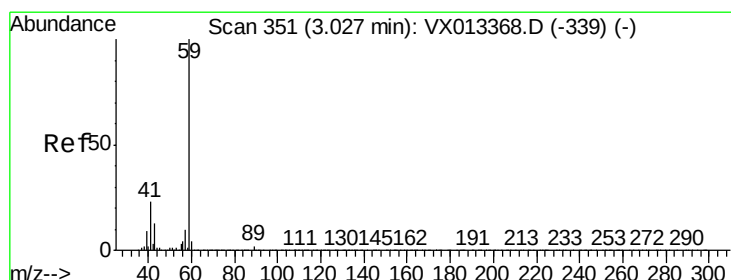
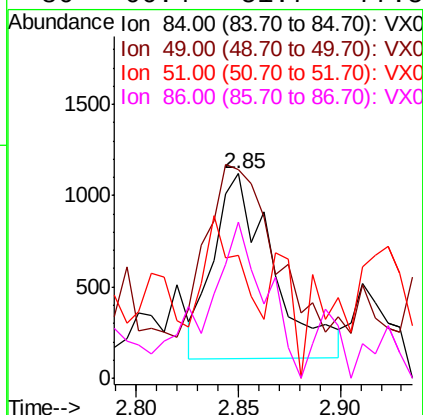
Ion Ratio Lower Upper

84 100

49 95.0 96.8 145.2#

51 46.0 30.0 45.0#

86 66.4 51.7 77.5



#23

tert-Butyl Alcohol

Concen: 5.693 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.02 min

Lab File: VX013543.D

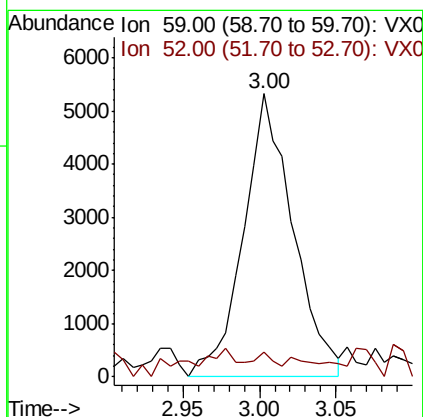
Acq: 22 Nov 2019 19:04

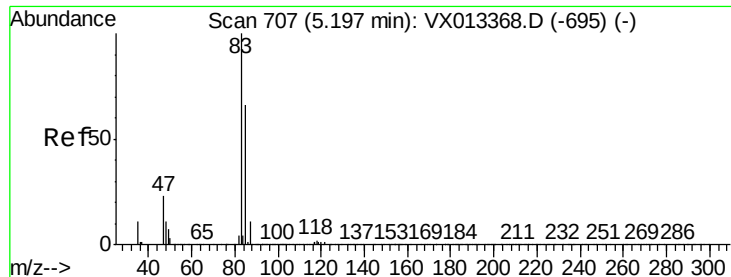
Tgt Ion: 59 Resp: 11994

Ion Ratio Lower Upper

59 100

52 1.3 0.1 0.1#

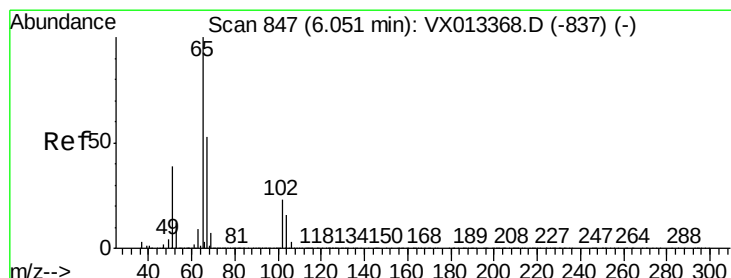
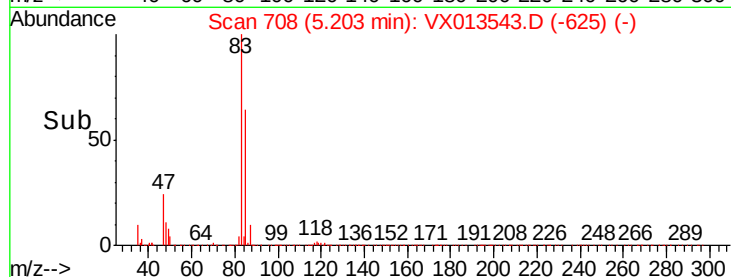
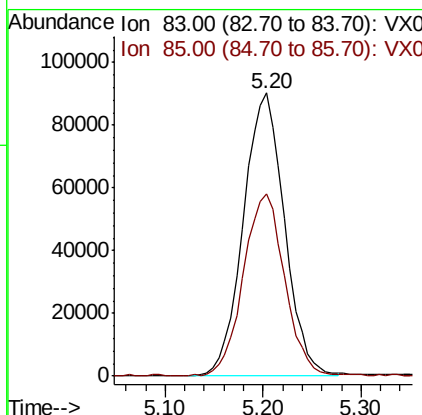
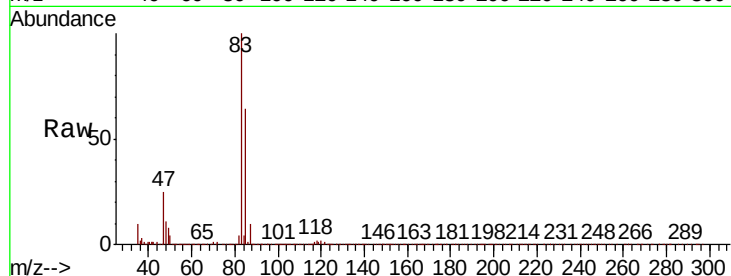




#25
Chloroform
Concen: 20.514 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013543.D
Acq: 22 Nov 2019 19:04

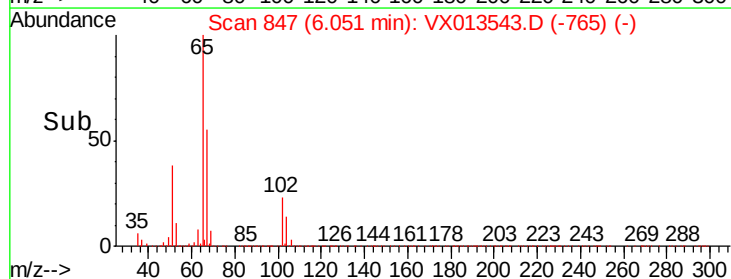
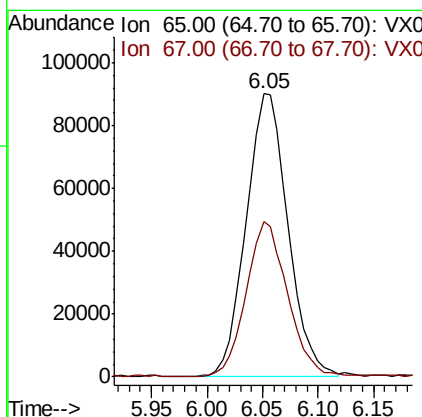
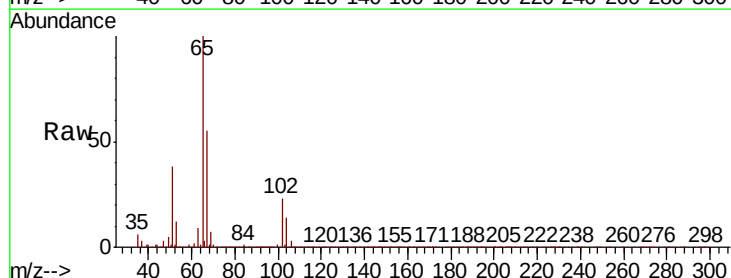
Instrument :
MSVOA_X
ClientSampleId :
14B-3

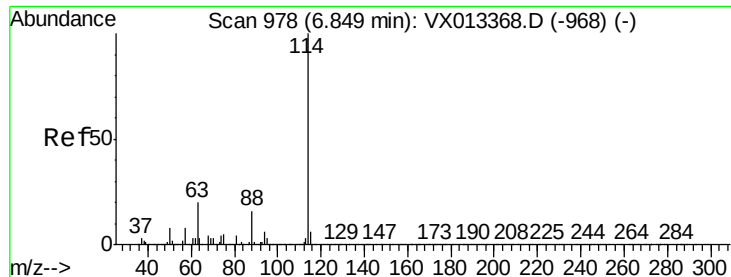
Tot Ion: 83 Resp: 263280
Ion Ratio Lower Upper
83 100
85 64.1 52.4 78.6



#27
1,2-Dichloroethane-d4
Concen: 28.907 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013543.D
Acq: 22 Nov 2019 19:04

Tgt Ion: 65 Resp: 234834
Ion Ratio Lower Upper
65 100
67 53.9 41.0 61.6

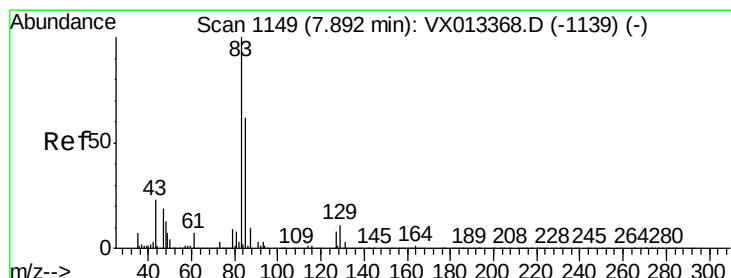
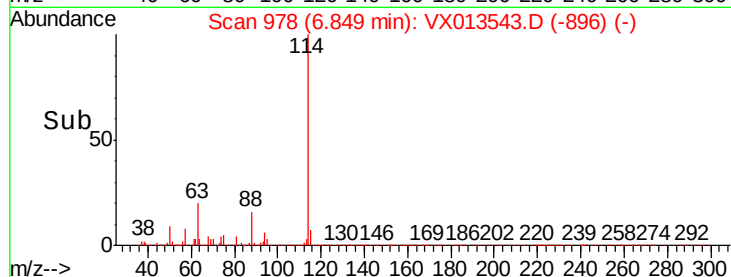
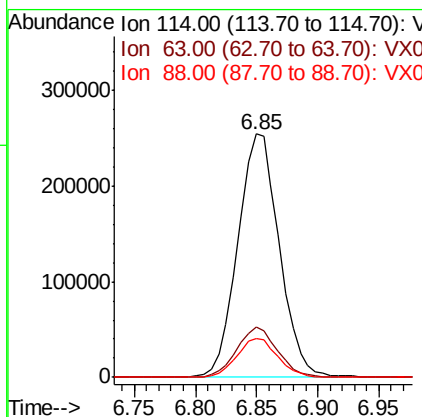
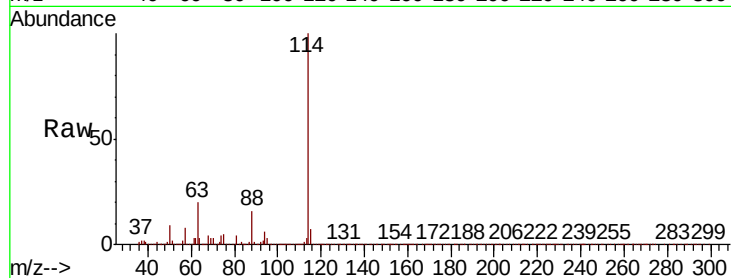




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013543.D
 Acq: 22 Nov 2019 19:04

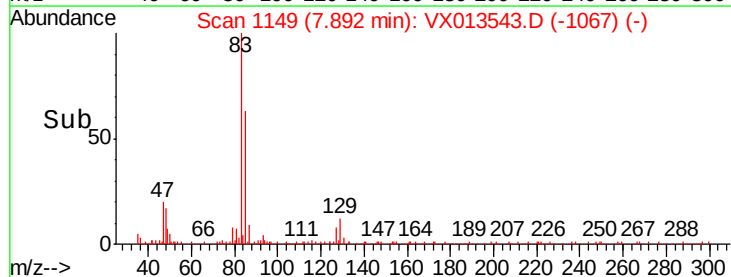
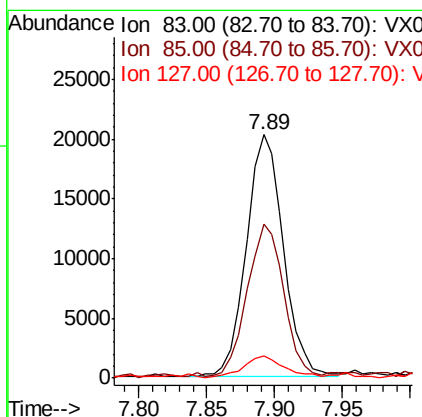
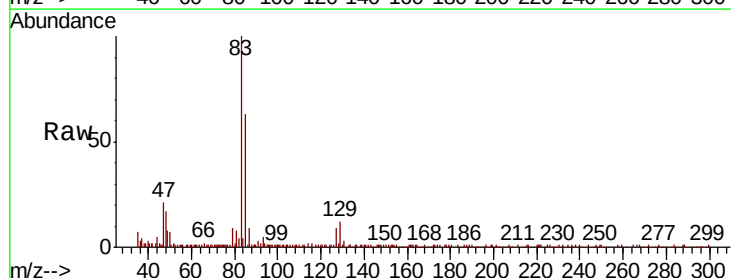
Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

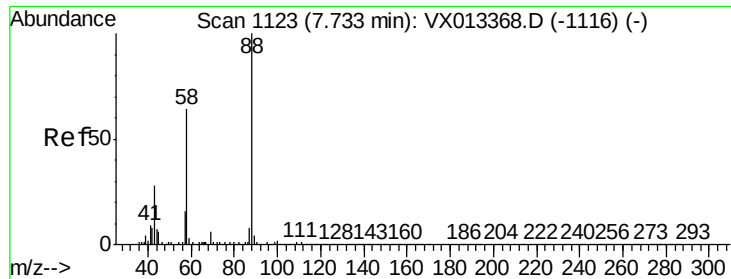
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.1	24.1
88	15.6	12.3	18.5



#41
 Bromodichloromethane
 Concen: 4.117 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX013543.D
 Acq: 22 Nov 2019 19:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.3	73.9
127	7.6	6.6	10.0





#45

1,4-Dioxane

Concen: 0.824 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX013543.D

Acq: 22 Nov 2019 19:04

Instrument :

MSVOA_X

ClientSampleId :

14B-3

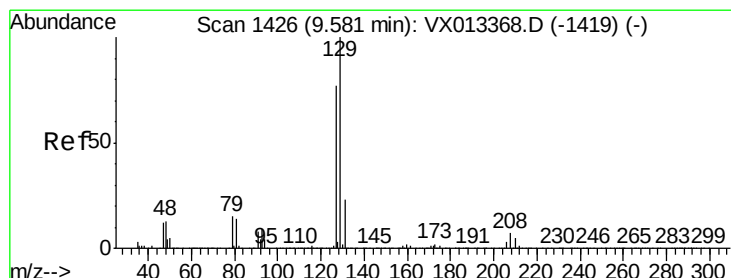
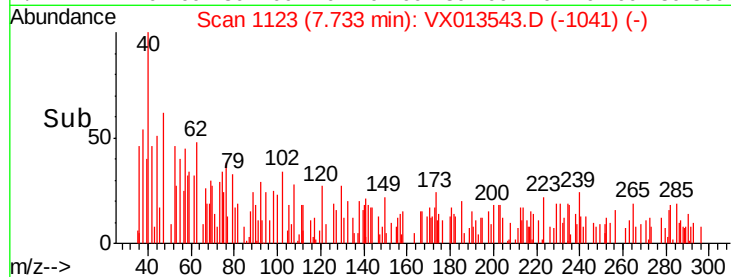
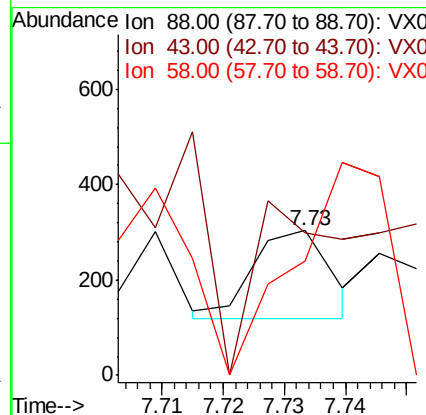
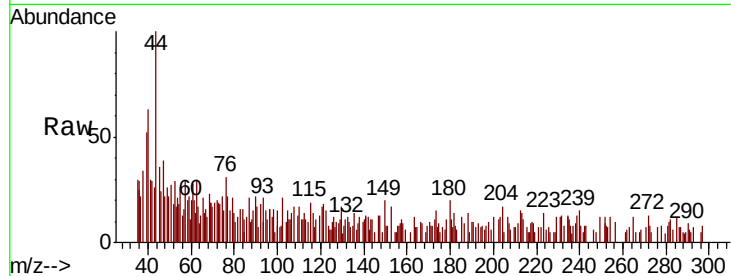
Tot Ion: 88 Resp: 161

Ion Ratio Lower Upper

88 100

43 216.8 26.1 39.1#

58 0.0 55.8 83.8#



#53

Dibromochloromethane

Concen: 0.413 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. -0.00 min

Lab File: VX013543.D

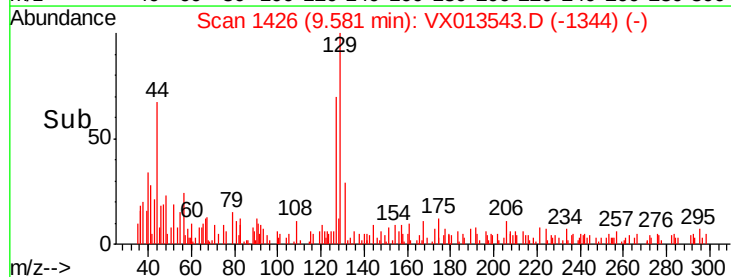
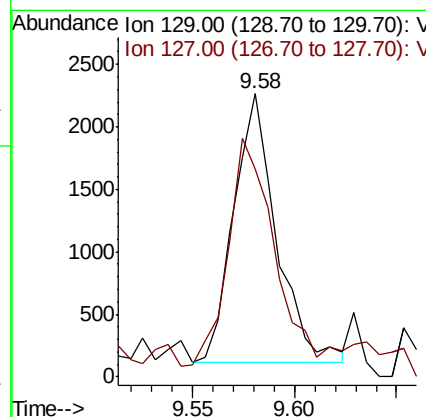
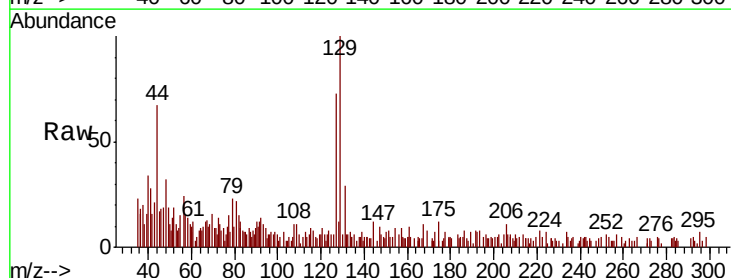
Acq: 22 Nov 2019 19:04

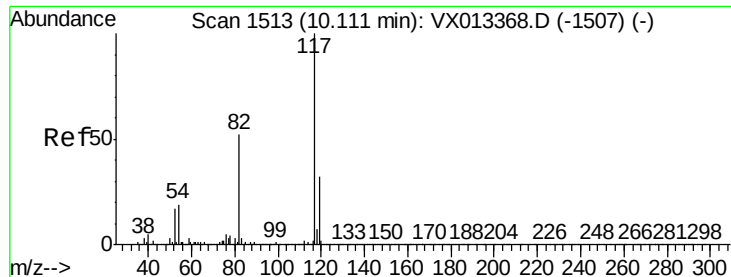
Tgt Ion: 129 Resp: 3091

Ion Ratio Lower Upper

129 100

127 90.7 39.6 119.0

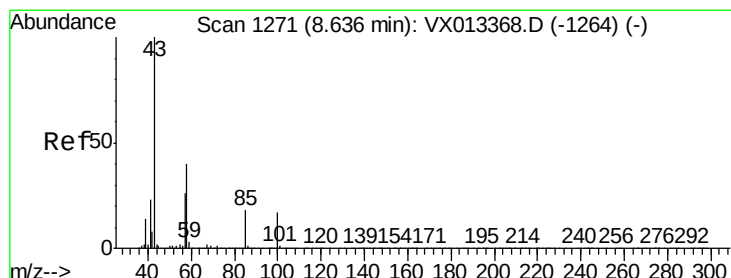
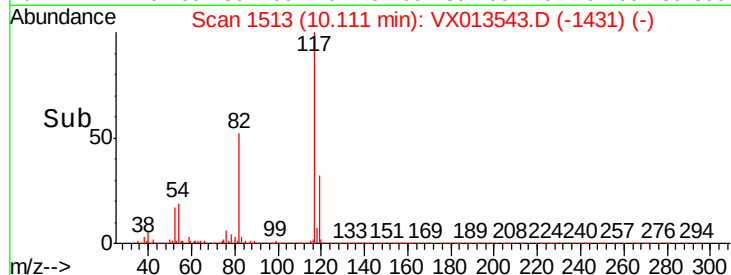
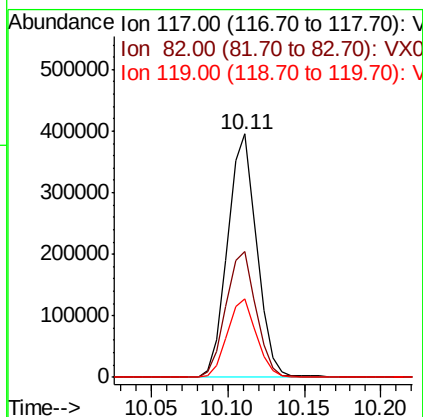
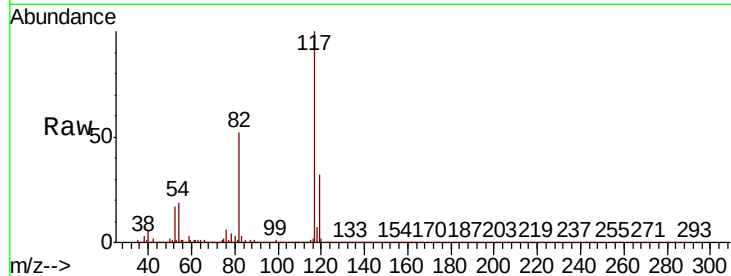




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013543.D
Acq: 22 Nov 2019 19:04

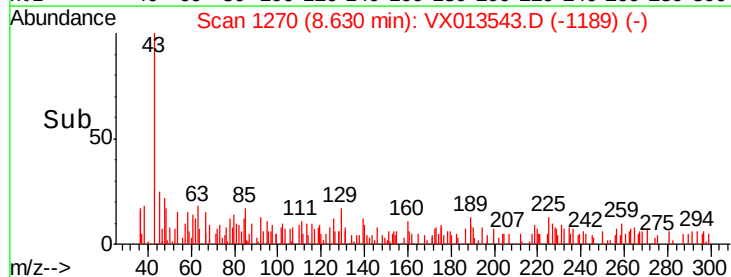
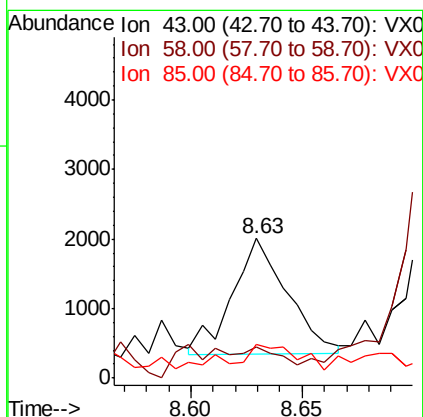
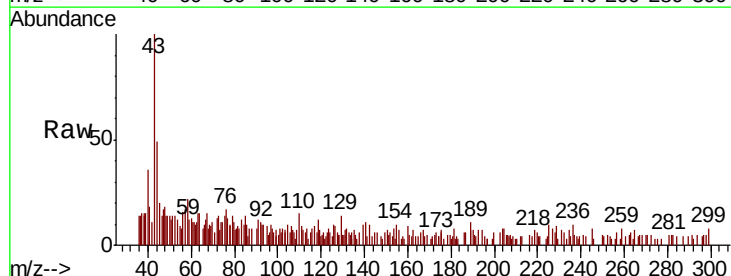
Instrument :
MSVOA_X
ClientSampled :
14B-3

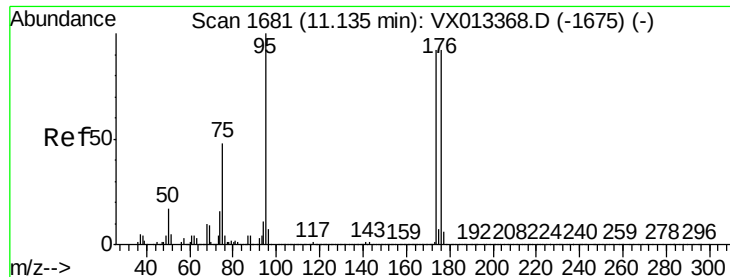
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.7	65.5
119	32.1	25.5	38.3



#58
4-Methyl-2-Pentanone
Concen: 0.262 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX013543.D
Acq: 22 Nov 2019 19:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	9.6	31.6	47.4#
85	19.3	14.2	21.2

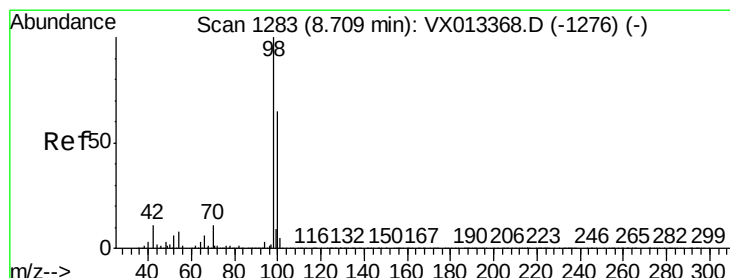
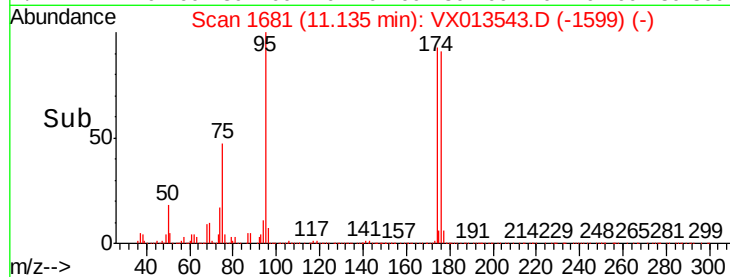
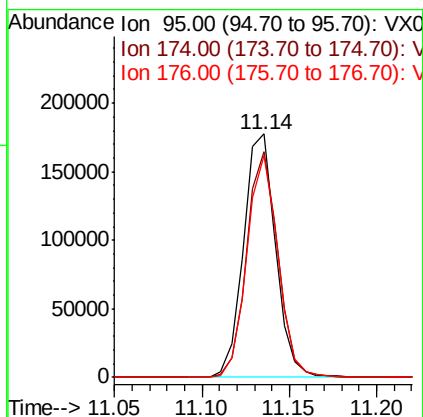
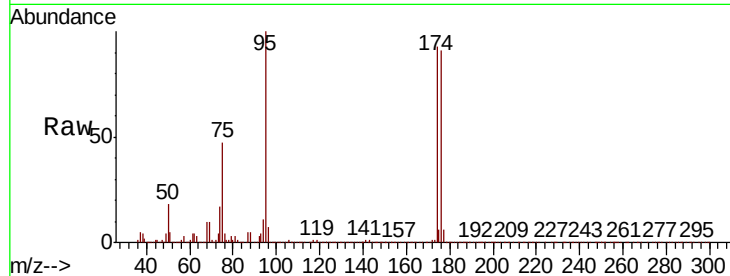




#60
4-Bromofluorobenzene
Concen: 27.212 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013543.D
Acq: 22 Nov 2019 19:04

Instrument :
MSVOA_X
ClientSampleId :
14B-3

Tot Ion	Ratio	Lower	Upper
95	100		
174	90.0	70.2	105.2
176	87.4	68.3	102.5



#63
Toluene-d8
Concen: 30.178 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013543.D
Acq: 22 Nov 2019 19:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.5	78.7

