

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022219\
 Data File : VX007658.D
 Acq On : 22 Feb 2019 14:29
 Operator : JC/SP
 Sample : K1570-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 25-10

Quant Time: Feb 23 00:31:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	66497	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	332786	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	295142	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	131940	30.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.23%
60) 4-Bromofluorobenzene	11.13	95	125577	27.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.40%
63) Toluene-d8	8.71	98	391686	29.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.87%

Target Compounds

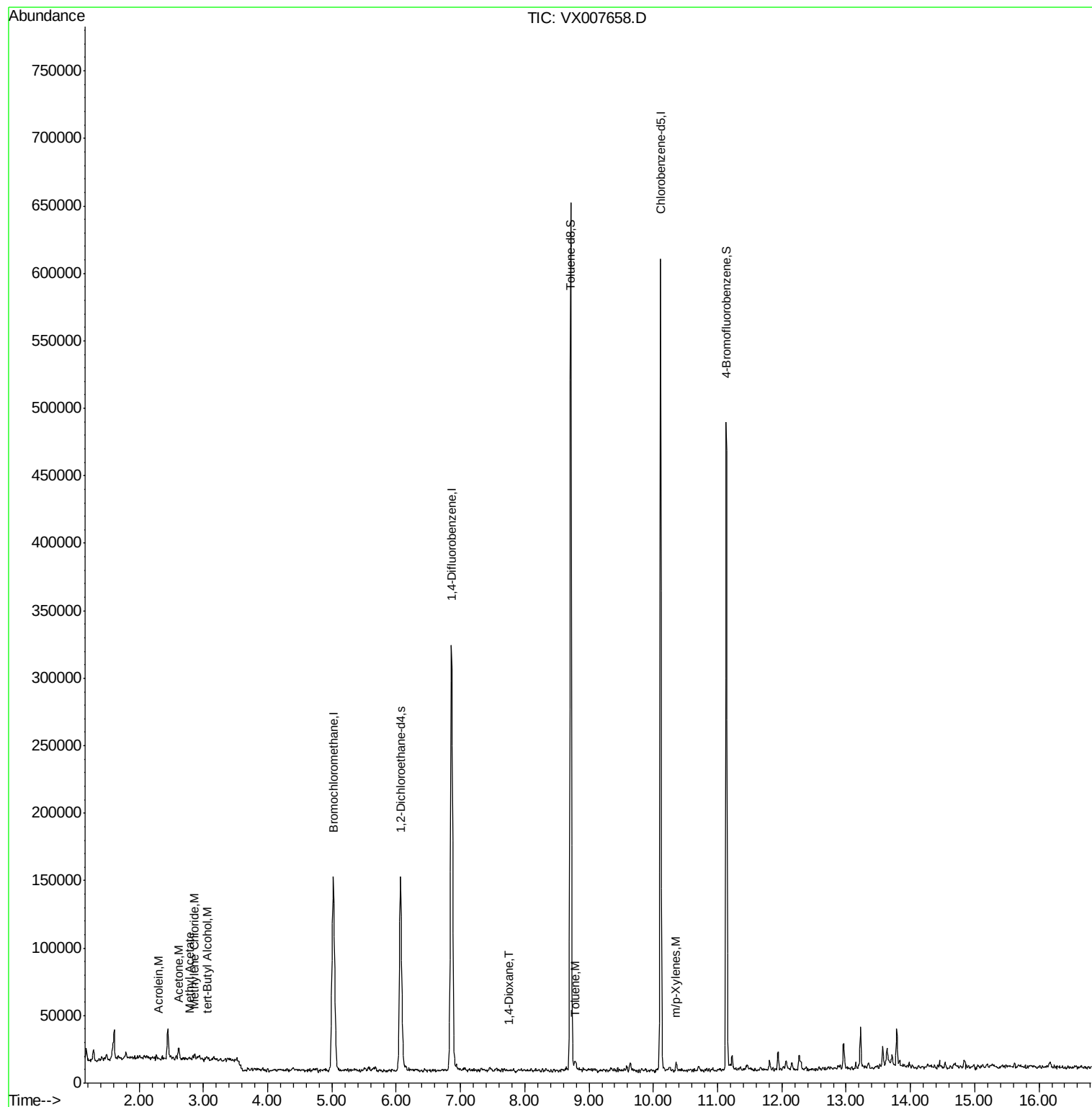
					Ovalue
12) Methyl Acetate	2.78	43	1969	0.391 ug/l	92
13) Acrolein	2.31	56	288	0.328 ug/l	84
15) Acetone	2.61	58	367	0.583 ug/l	78
18) Methylene Chloride	2.86	84	1013	0.247 ug/l #	70
23) tert-Butyl Alcohol	3.07	59	392	0.402 ug/l #	100
45) 1,4-Dioxane	7.76	88	290	3.025 ug/l #	76
62) Toluene	8.78	91	3647	0.227 ug/l	97
67) m/p-Xylenes	10.35	106	1506	0.225 ug/l	82

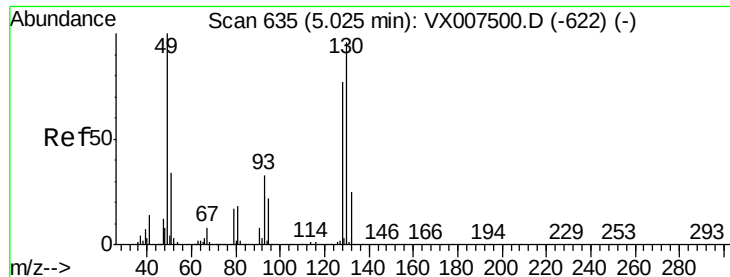
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 13 07:51:18 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.01 min

Lab File: VX007658.D

Acq: 22 Feb 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

25-10

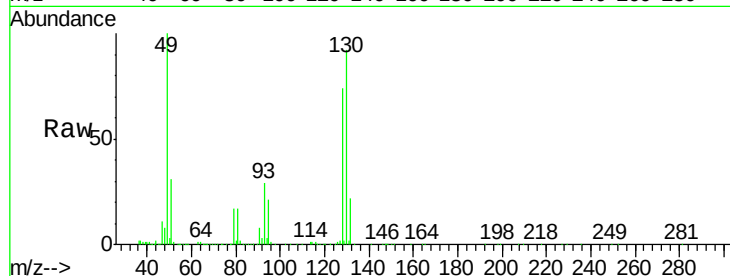
Tot Ion:128 Resp: 66497

Ion Ratio Lower Upper

128 100

49 136.7 0.0 350.8

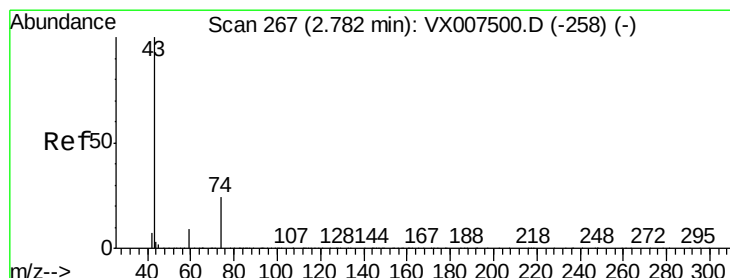
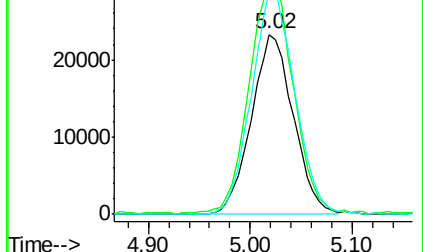
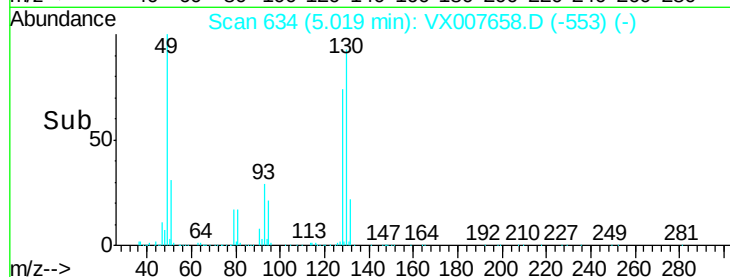
130 128.8 0.0 325.8



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



#12

Methyl Acetate

Concen: 0.391 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007658.D

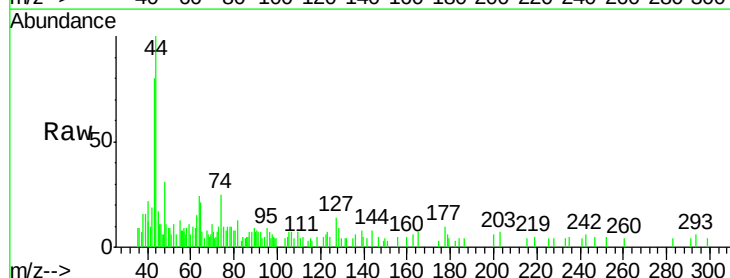
Acq: 22 Feb 2019 14:29

Tgt Ion: 43 Resp: 1969

Ion Ratio Lower Upper

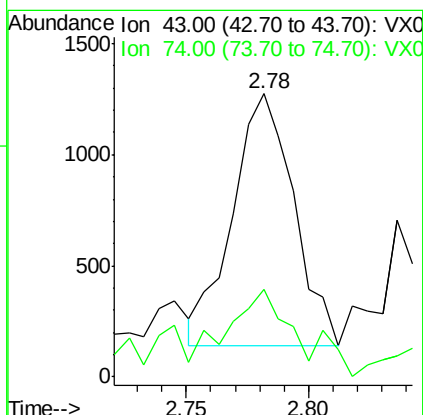
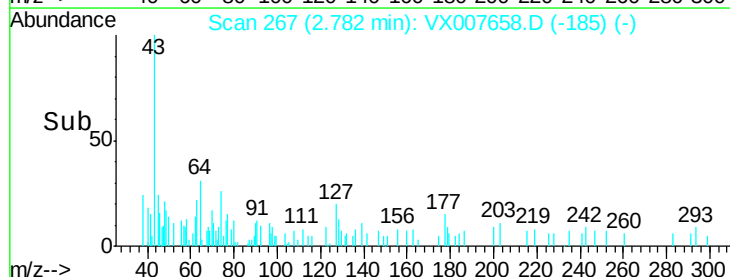
43 100

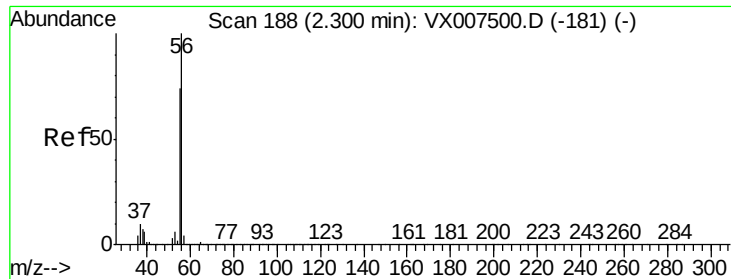
74 28.2 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

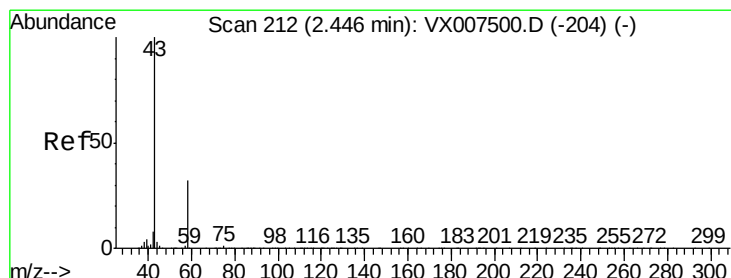
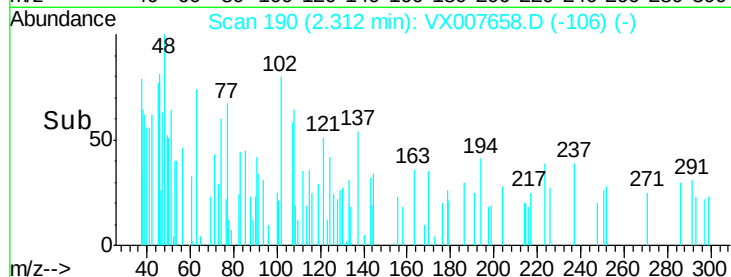
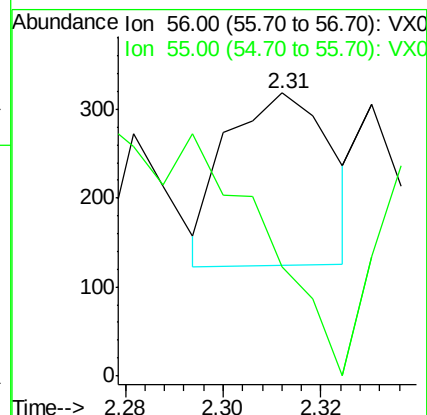
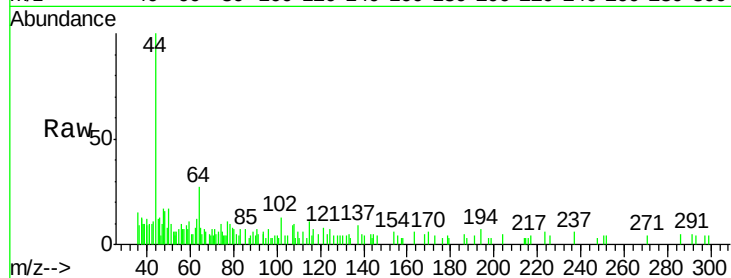




#13
Acrolein
Concen: 0.328 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.01 min
Lab File: VX007658.D
Acq: 22 Feb 2019 14:29

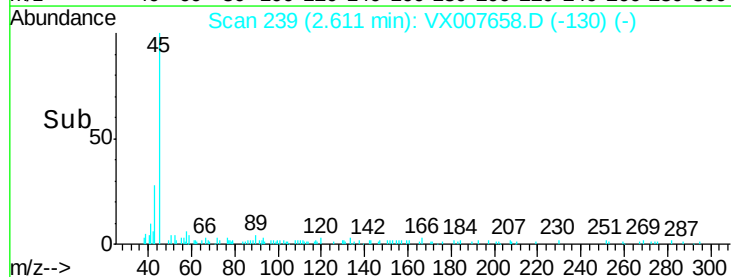
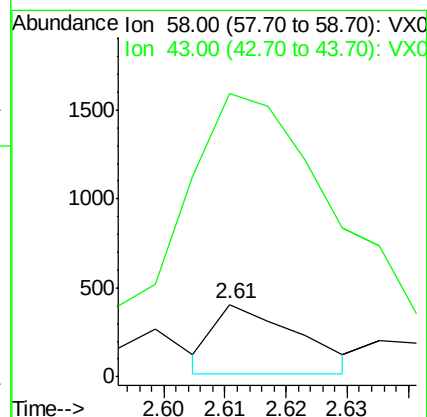
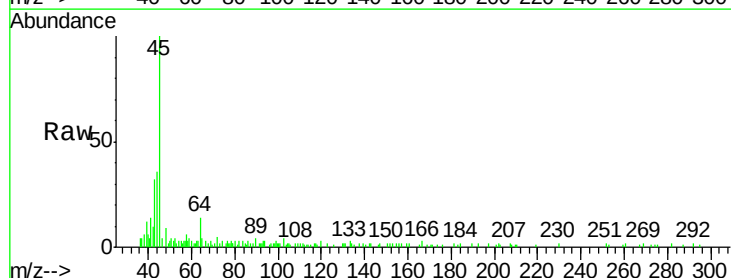
Instrument :
MSVOA_X
ClientSampled :
25-10

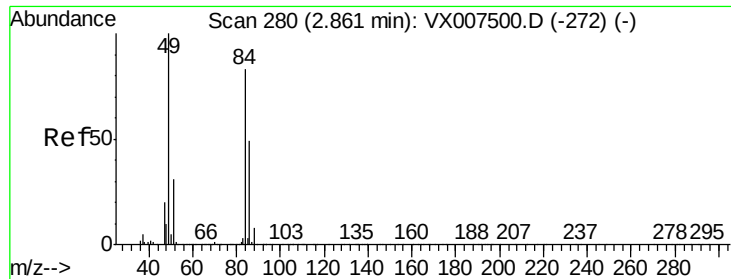
Tot Ion: 56 Resp: 288
Ion Ratio Lower Upper
56 100
55 86.5 58.6 87.8



#15
Acetone
Concen: 0.583 ug/l
RT: 2.61 min Scan# 239
Delta R.T. 0.16 min
Lab File: VX007658.D
Acq: 22 Feb 2019 14:29

Tgt Ion: 58 Resp: 367
Ion Ratio Lower Upper
58 100
43 267.0 249.8 374.6

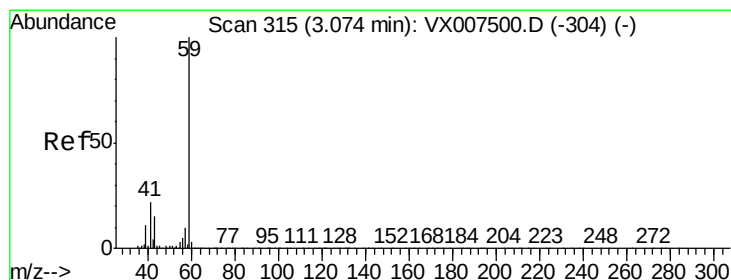
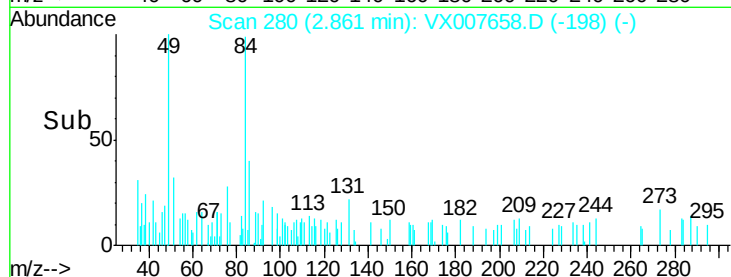
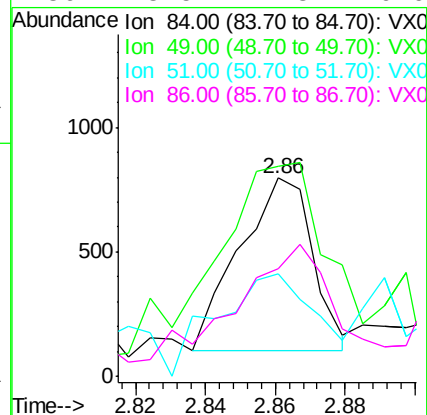
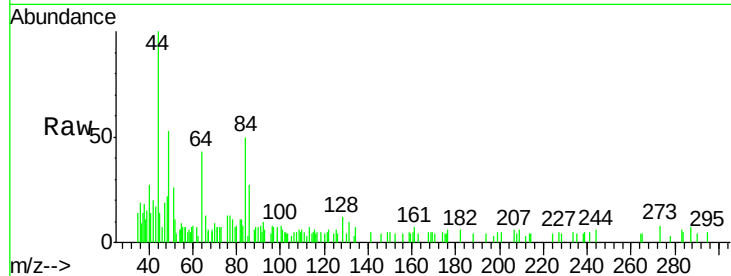




#18
Methylene Chloride
Concen: 0.247 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007658.D
Acq: 22 Feb 2019 14:29

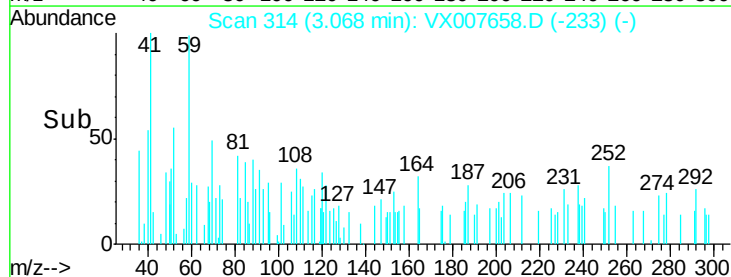
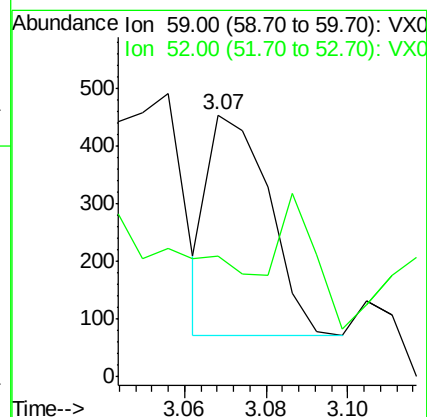
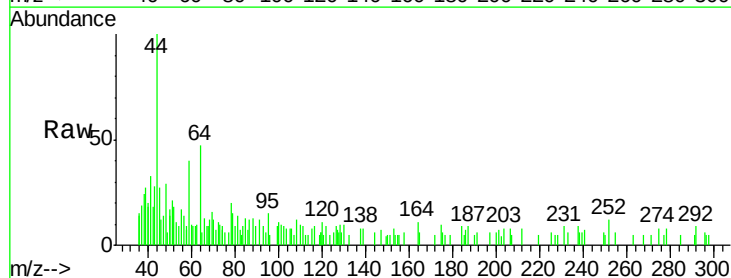
Instrument :
MSVOA_X
ClientSampleId :
25-10

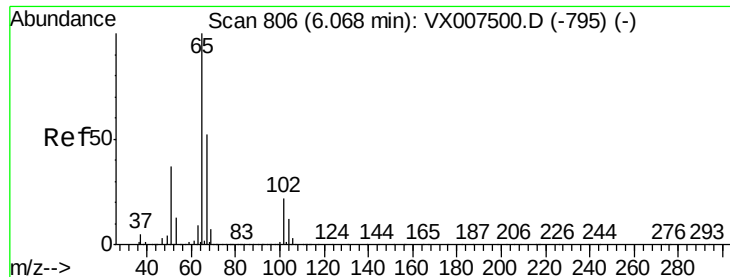
Tot Ion	Ratio	Lower	Upper
84	100		
49	73.6	96.1	144.1#
51	38.6	29.1	43.7
86	43.5	47.3	70.9#



#23
tert-Butyl Alcohol
Concen: 0.402 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007658.D
Acq: 22 Feb 2019 14:29

Tgt Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.2	0.2#

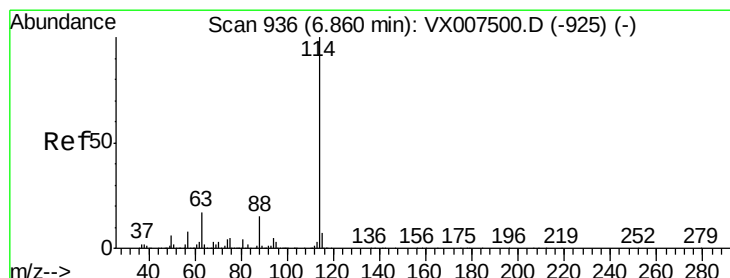
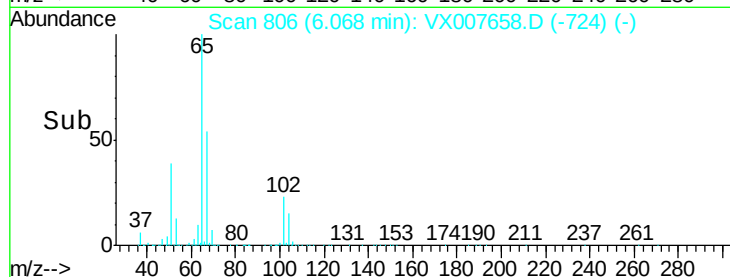
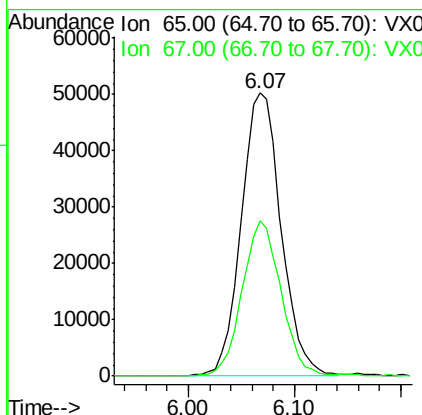
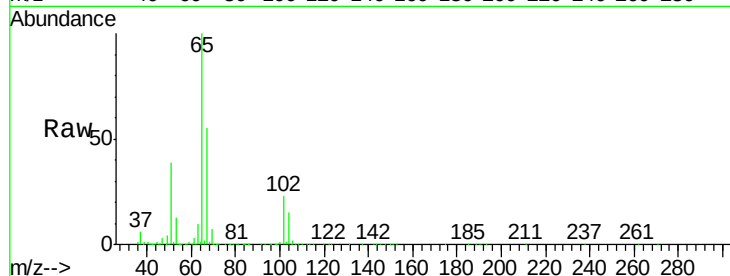




#27
 1,2-Dichloroethane-d4
 Concen: 30.673 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007658.D
 Acq: 22 Feb 2019 14:29

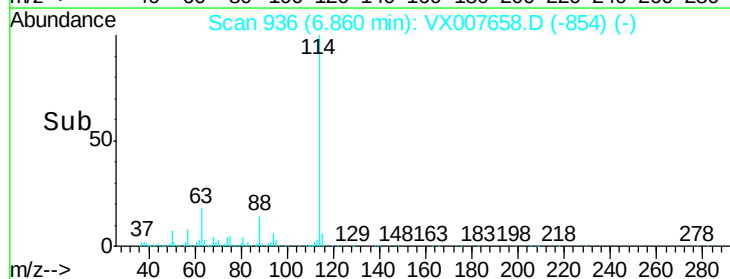
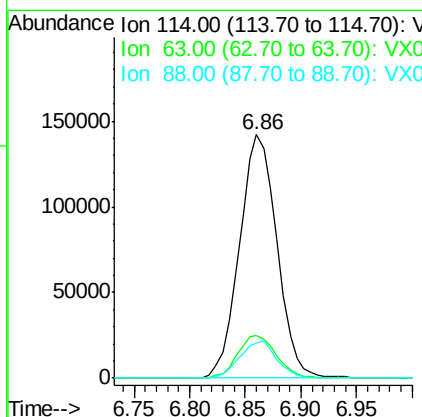
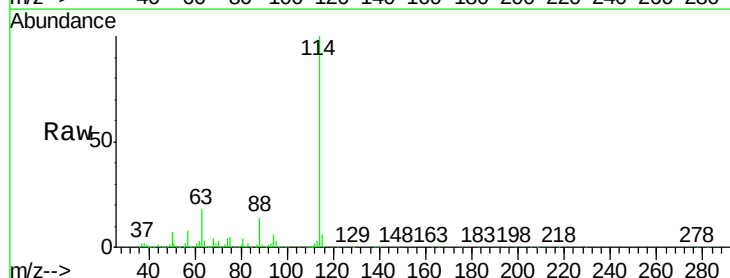
Instrument :
 MSVOA_X
 ClientSampled :
 25-10

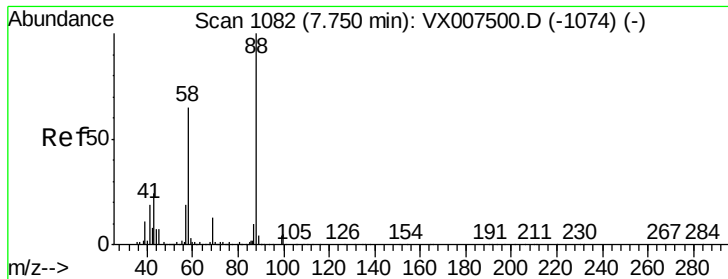
Tot Ion: 65 Resp: 131940
 Ion Ratio Lower Upper
 65 100
 67 53.2 42.9 64.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007658.D
 Acq: 22 Feb 2019 14:29

Tgt Ion: 114 Resp: 332786
 Ion Ratio Lower Upper
 114 100
 63 18.2 14.2 21.4
 88 14.9 11.9 17.9





#45

1,4-Dioxane

Concen: 3.025 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX007658.D

Acq: 22 Feb 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

25-10

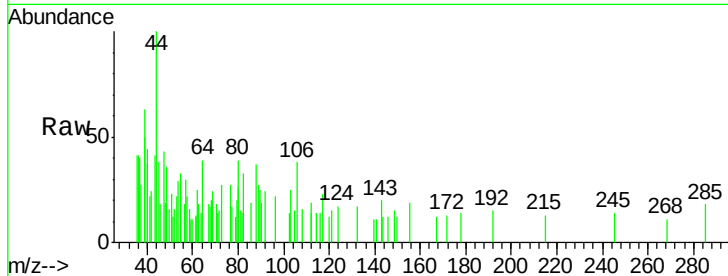
Tot Ion: 88 Resp: 290

Ion Ratio Lower Upper

88 100

43 46.6 23.6 35.4#

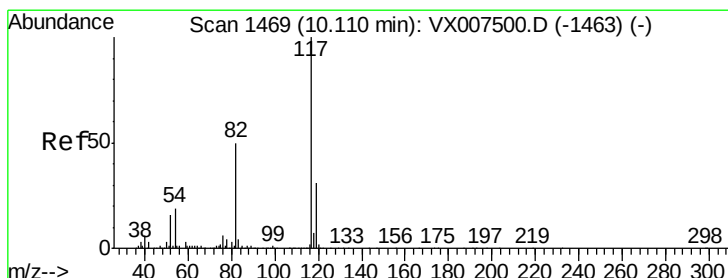
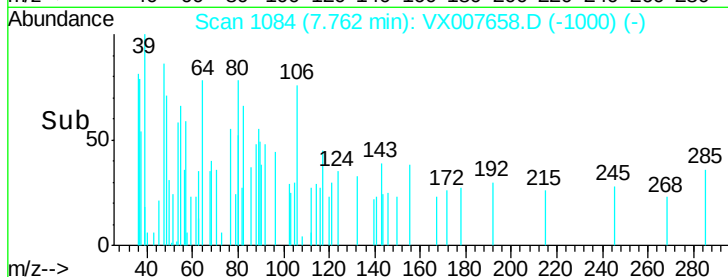
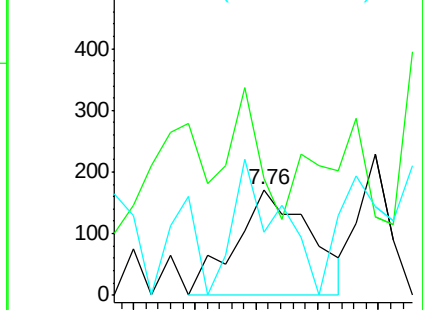
58 49.0 51.6 77.4#



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



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007658.D

Acq: 22 Feb 2019 14:29

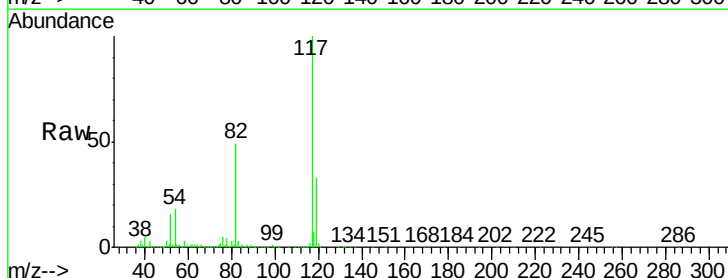
Tgt Ion: 117 Resp: 295142

Ion Ratio Lower Upper

117 100

82 51.2 40.4 60.6

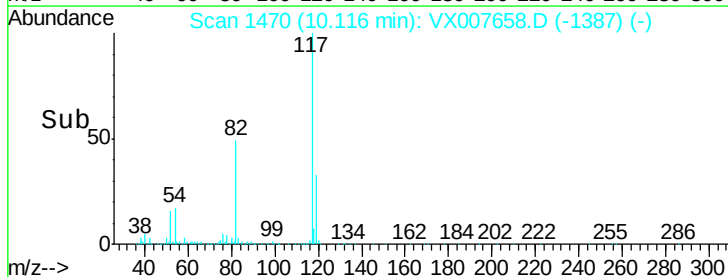
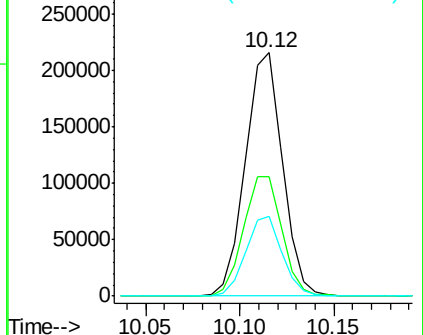
119 32.1 25.8 38.6

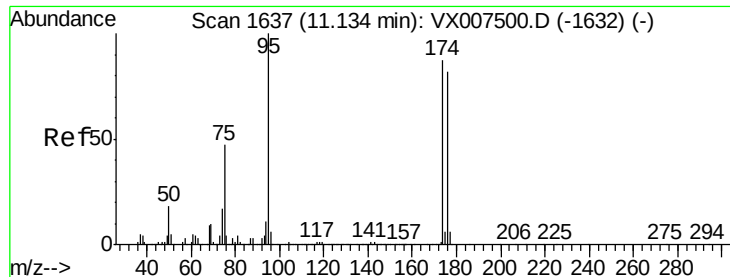


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

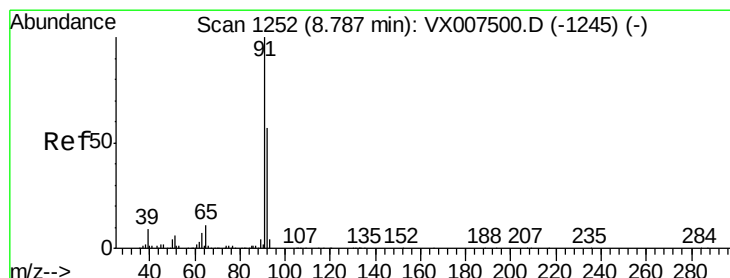
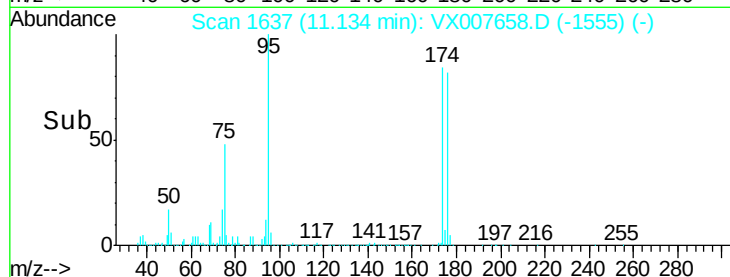
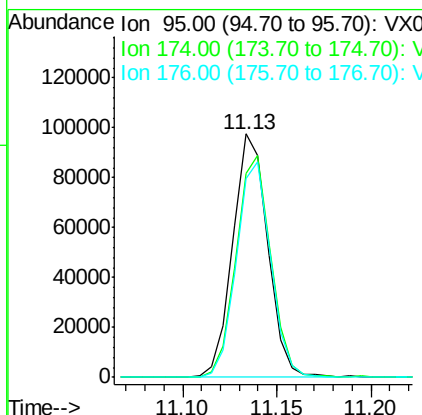
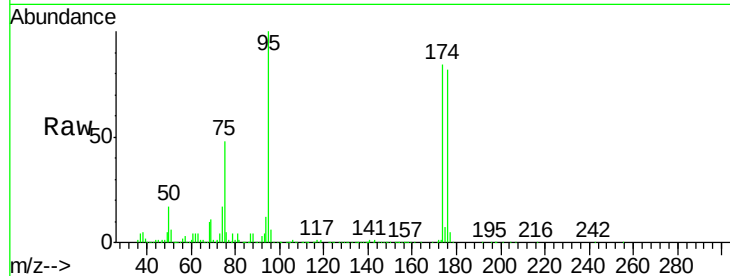




#60
4-Bromofluorobenzene
Concen: 27.722 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007658.D
Acq: 22 Feb 2019 14:29

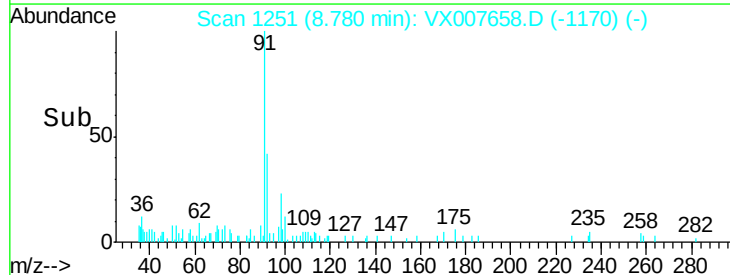
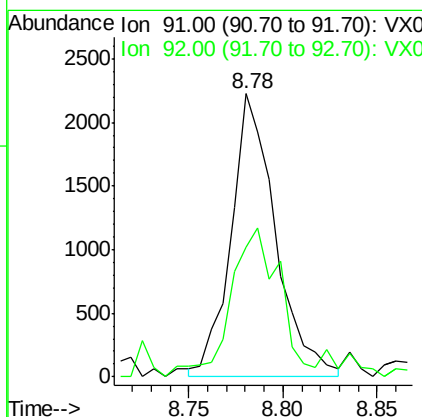
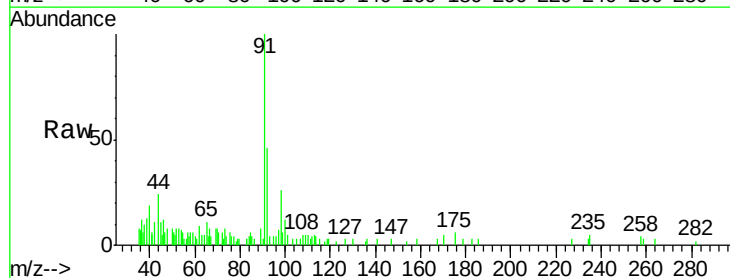
Instrument :
MSVOA_X
ClientSampleId :
25-10

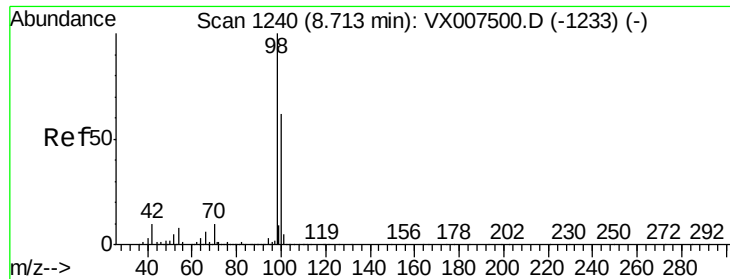
Tot Ion: 95 Resp: 125577
Ion Ratio Lower Upper
95 100
174 90.4 74.9 112.3
176 86.8 70.7 106.1



#62
Toluene
Concen: 0.227 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX007658.D
Acq: 22 Feb 2019 14:29

Tgt Ion: 91 Resp: 3647
Ion Ratio Lower Upper
91 100
92 55.4 46.4 69.6





#63

Toluene-d8

Concen: 29.362 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007658.D

Acq: 22 Feb 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

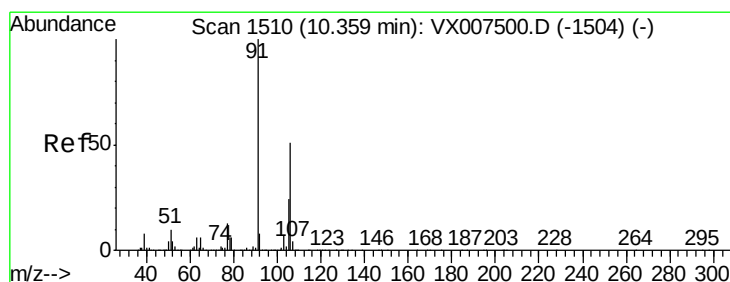
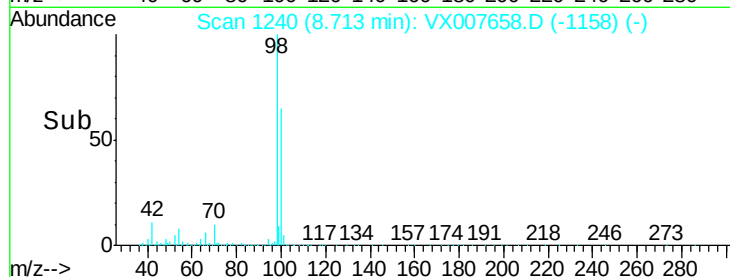
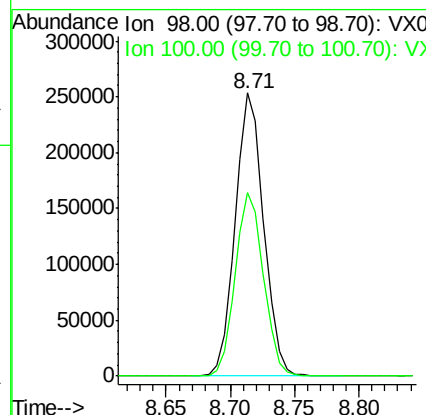
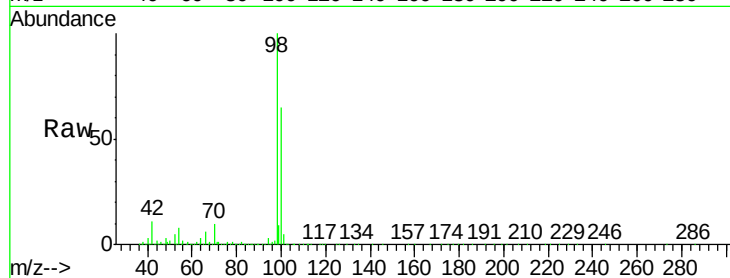
25-10

Tot Ion: 98 Resp: 391686

Ion Ratio Lower Upper

98 100

100 64.5 50.9 76.3



#67

m/p-Xylenes

Concen: 0.225 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX007658.D

Acq: 22 Feb 2019 14:29

Tgt Ion: 106 Resp: 1506

Ion Ratio Lower Upper

106 100

91 169.3 157.0 235.4

