

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013411.D
 Acq On : 14 Nov 2019 10:34
 Operator : JC/SP
 Sample : VX1114WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 15 00:52:56 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	121668	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	681464	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	579904	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	263736	29.36	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.87%
60) 4-Bromofluorobenzene	11.14	95	249755	26.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.33%
63) Toluene-d8	8.71	98	808473	30.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.77%

Target Compounds

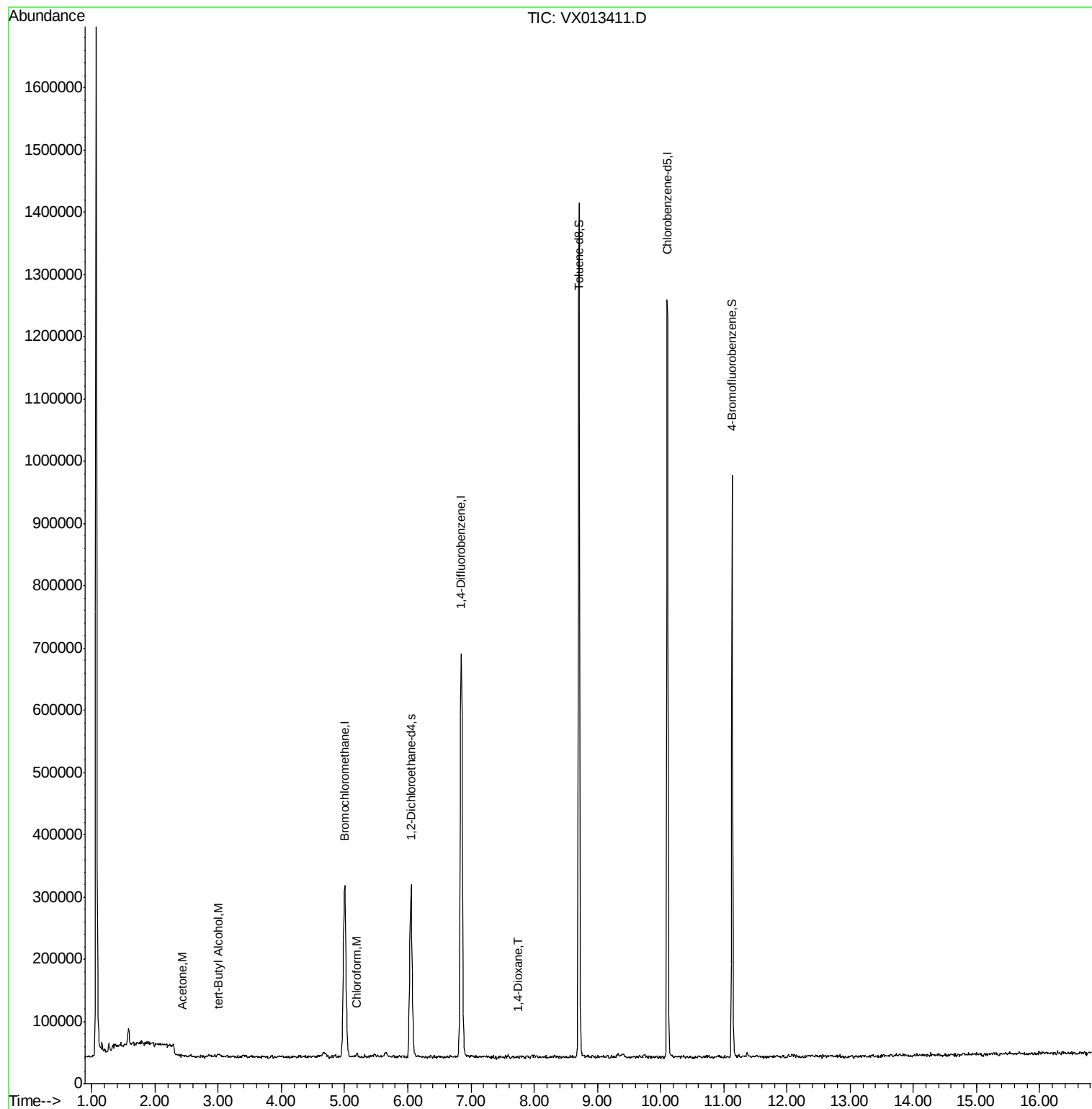
					Ovalue	
15) Acetone	2.43	58	551	0.376	ug/l #	1
23) tert-Butyl Alcohol	3.00	59	3663	1.572	ug/l #	99
25) Chloroform	5.20	83	3869	0.273	ug/l	87
45) 1,4-Dioxane	7.74	88	291	1.309	ug/l #	1

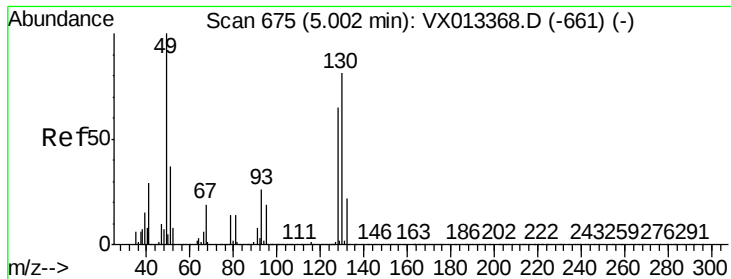
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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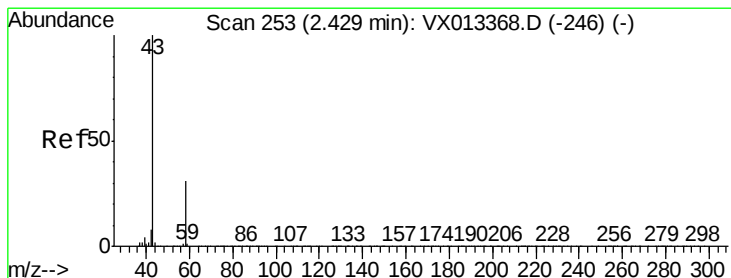
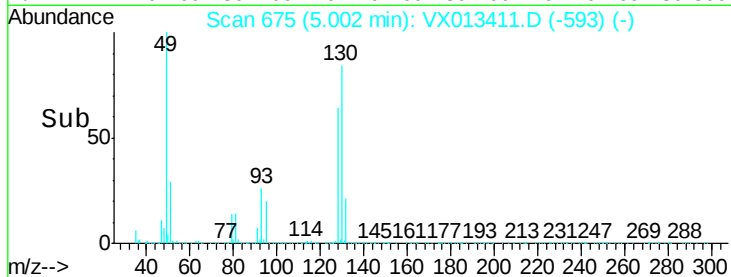
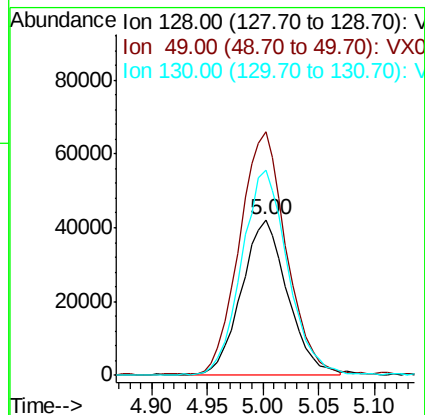
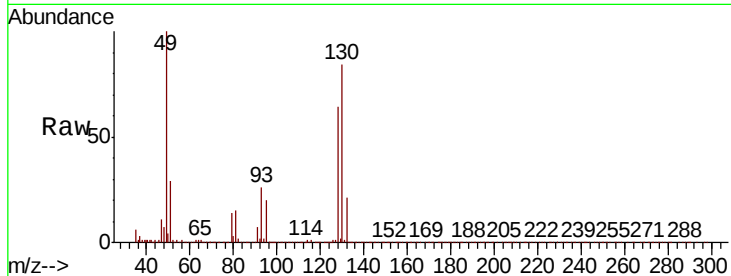


#1

Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013411.D
Acq: 14 Nov 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :

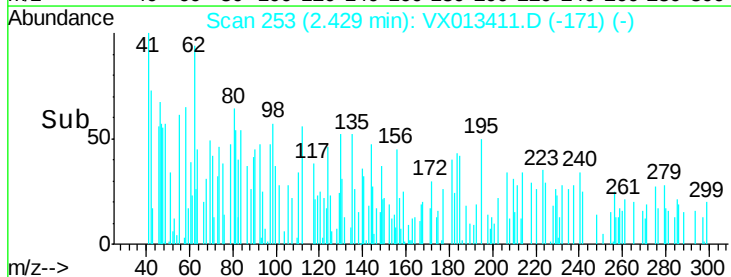
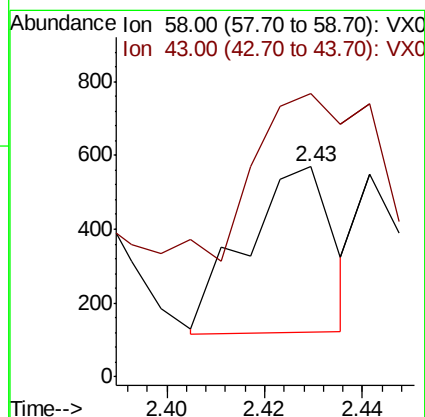
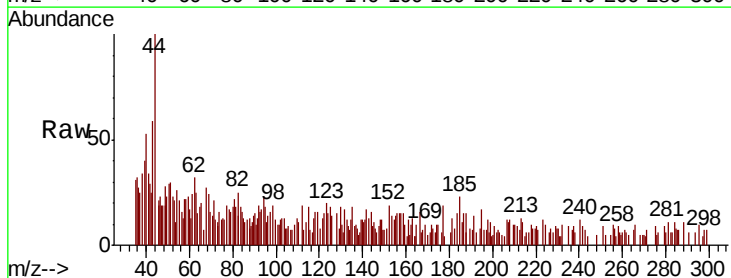
Tot Ion	Ratio	Lower	Upper
128	100		
49	157.4	0.0	388.3
130	131.4	0.0	318.5

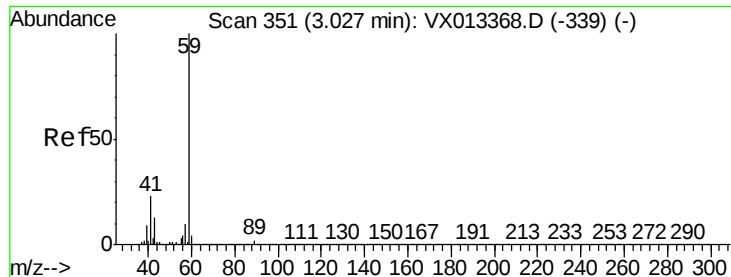


#15

Acetone
Concen: 0.376 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013411.D
Acq: 14 Nov 2019 10:34

Tgt Ion	Ratio	Lower	Upper
58	100		
43	89.8	261.4	392.2#



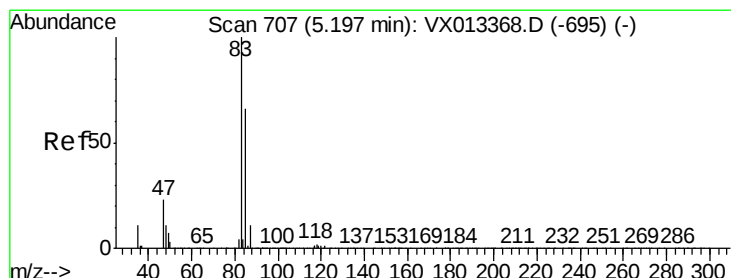
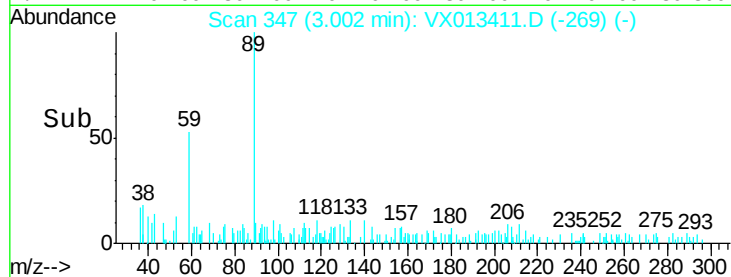
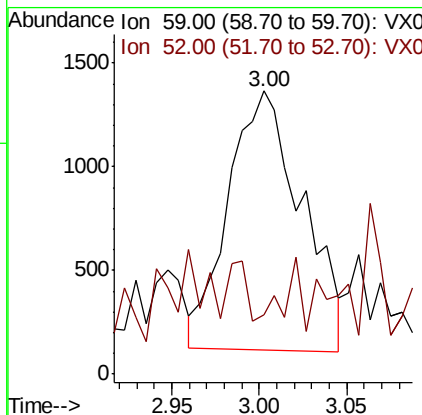
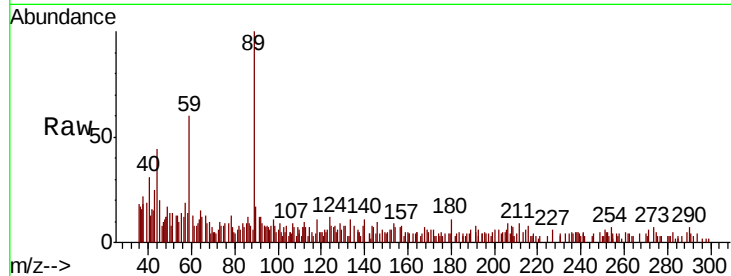


#23

tert-Butyl Alcohol
 Concen: 1.572 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.02 min
 Lab File: VX013411.D
 Acq: 14 Nov 2019 10:34

Instrument :
 MSVOA_X
 ClientSampled :

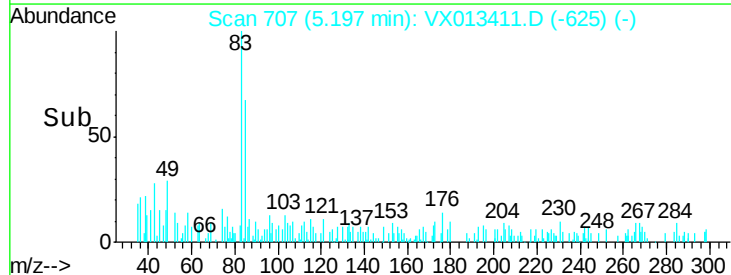
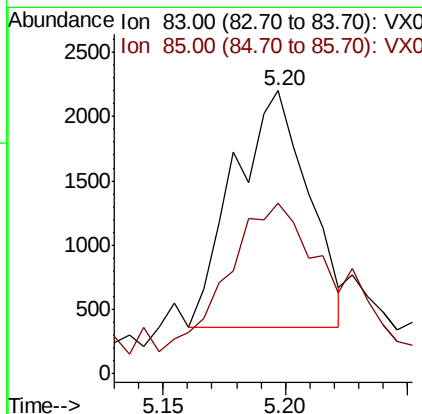
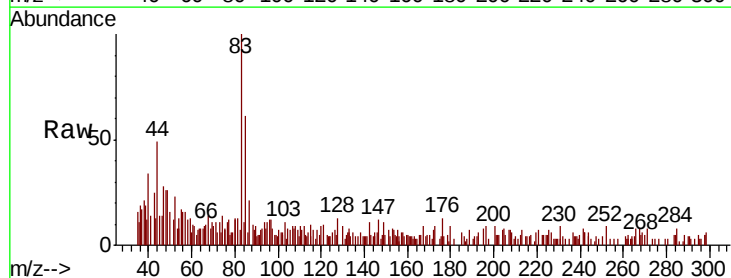
Tot Ion: 59 Resp: 3663
 Ion Ratio Lower Upper
 59 100
 52 2.3 0.1 0.1#

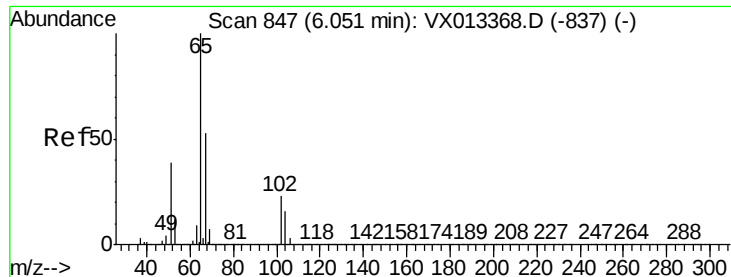


#25

Chloroform
 Concen: 0.273 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VX013411.D
 Acq: 14 Nov 2019 10:34

Tgt Ion: 83 Resp: 3869
 Ion Ratio Lower Upper
 83 100
 85 54.9 52.4 78.6





#27

1,2-Dichloroethane-d4

Concen: 29.356 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013411.D

Acq: 14 Nov 2019 10:34

Instrument :

MSVOA_X

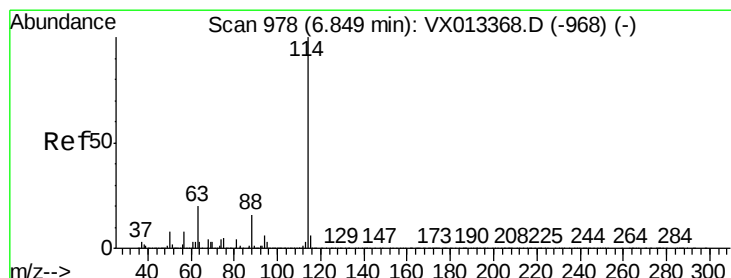
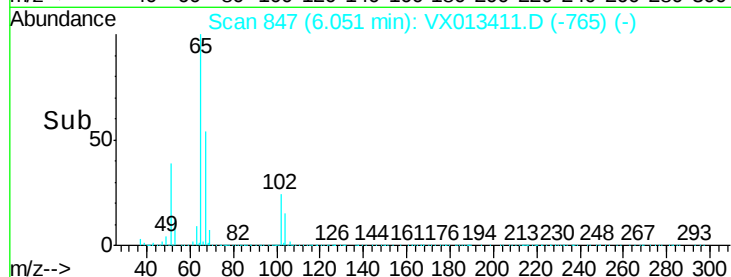
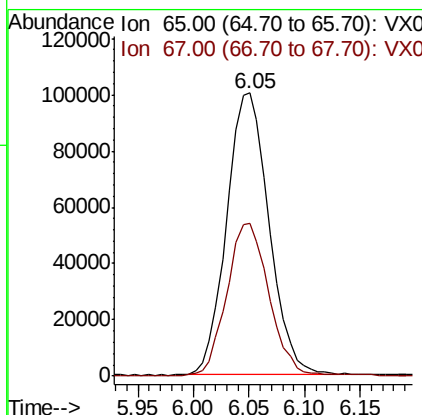
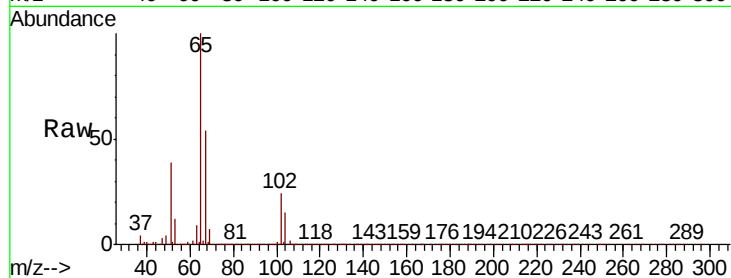
ClientSampleId :

Tot Ion: 65 Resp: 263736

Ion Ratio Lower Upper

65 100

67 53.9 41.0 61.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013411.D

Acq: 14 Nov 2019 10:34

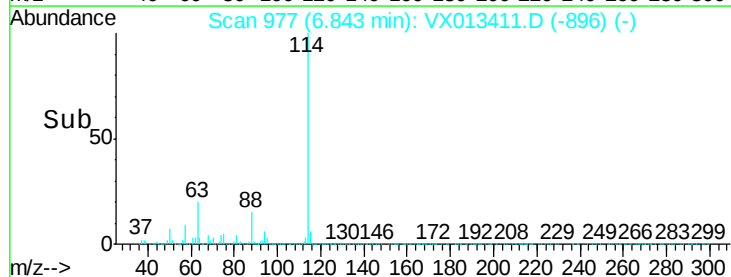
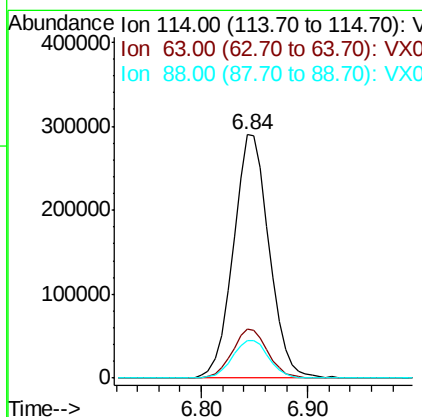
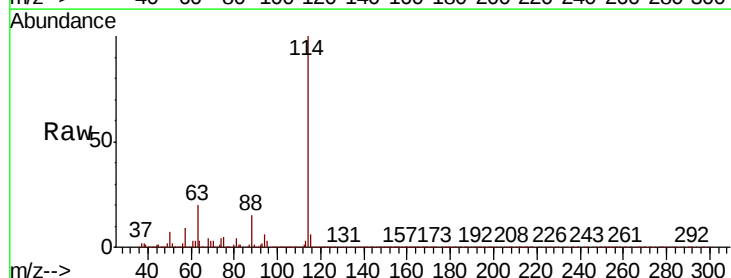
Tgt Ion: 114 Resp: 681464

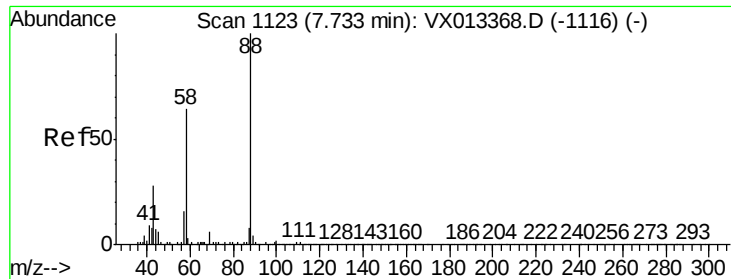
Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

88 15.8 12.3 18.5





#45

1,4-Dioxane

Concen: 1.309 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013411.D

Acq: 14 Nov 2019 10:34

Instrument :
MSVOA_X
ClientSampled :

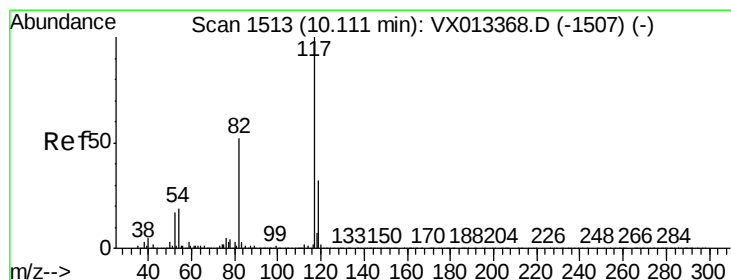
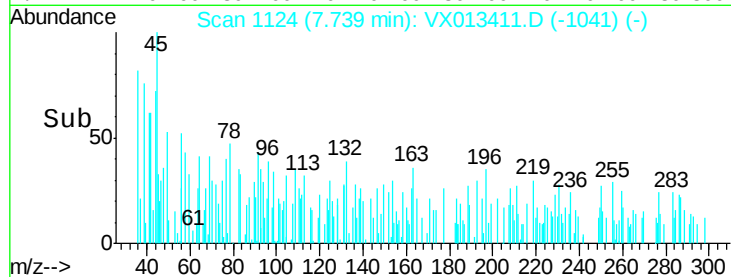
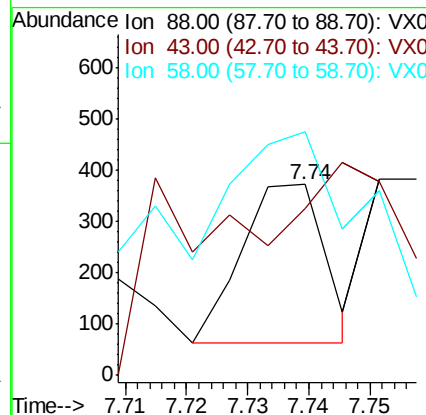
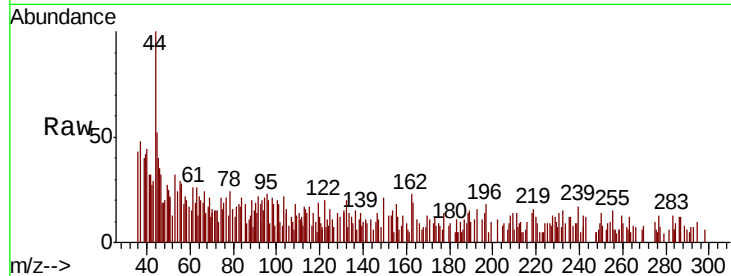
Tot Ion: 88 Resp: 291

Ion Ratio Lower Upper

88 100

43 169.4 26.1 39.1#

58 293.1 55.8 83.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013411.D

Acq: 14 Nov 2019 10:34

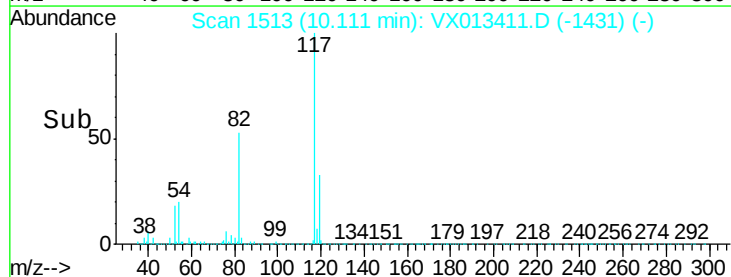
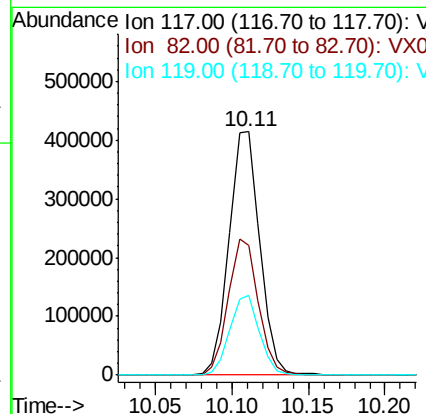
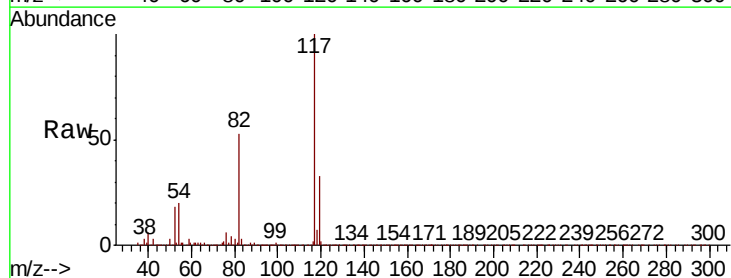
Tgt Ion: 117 Resp: 579904

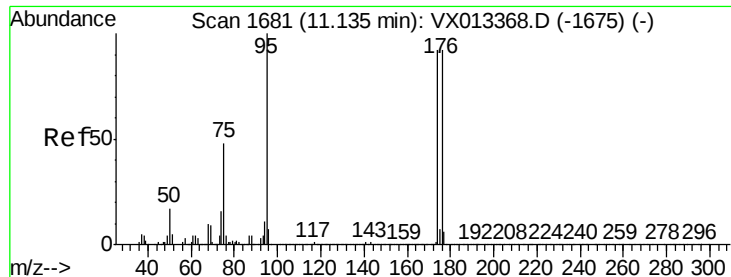
Ion Ratio Lower Upper

117 100

82 54.7 43.7 65.5

119 31.9 25.5 38.3





#60

4-Bromofluorobenzene

Concen: 26.796 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013411.D

Acq: 14 Nov 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

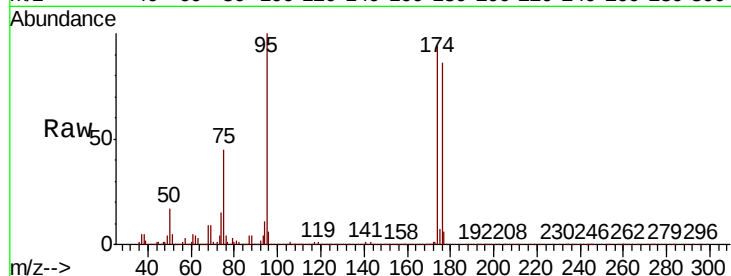
Tot Ion: 95 Resp: 249755

Ion Ratio Lower Upper

95 100

174 90.9 70.2 105.2

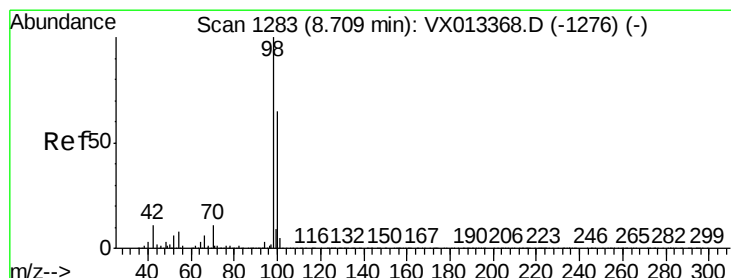
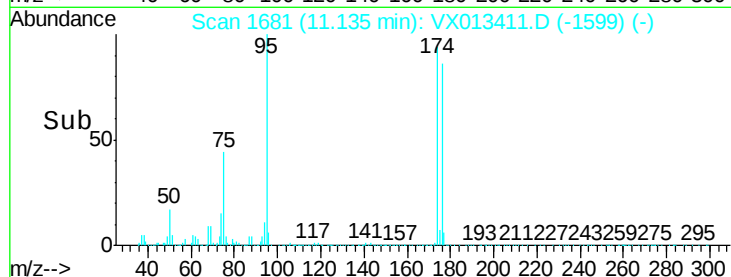
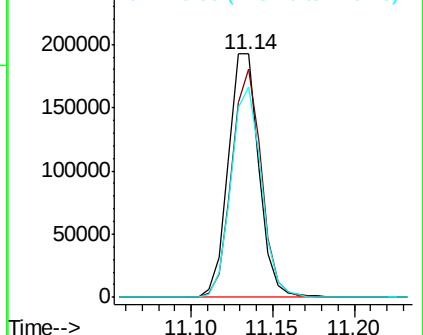
176 86.3 68.3 102.5



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: 30.830 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013411.D

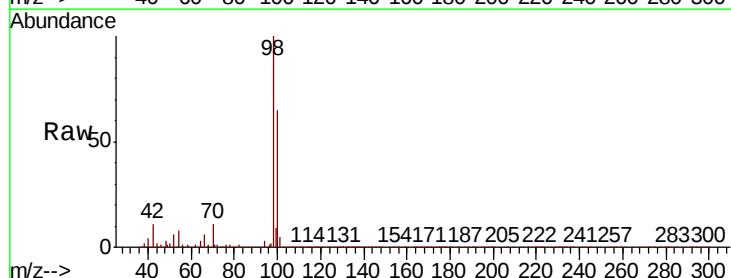
Acq: 14 Nov 2019 10:34

Tgt Ion: 98 Resp: 808473

Ion Ratio Lower Upper

98 100

100 64.9 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

