

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111219\
 Data File : VX013376.D
 Acq On : 12 Nov 2019 11:12
 Operator : JC/SP
 Sample : K5765-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20191107

Quant Time: Nov 12 12:30:46 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	152378	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	856907	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	743469	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	329158	29.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.50%
60) 4-Bromofluorobenzene	11.13	95	336371	28.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.83%
63) Toluene-d8	8.71	98	1022551	30.42	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.40%

Target Compounds

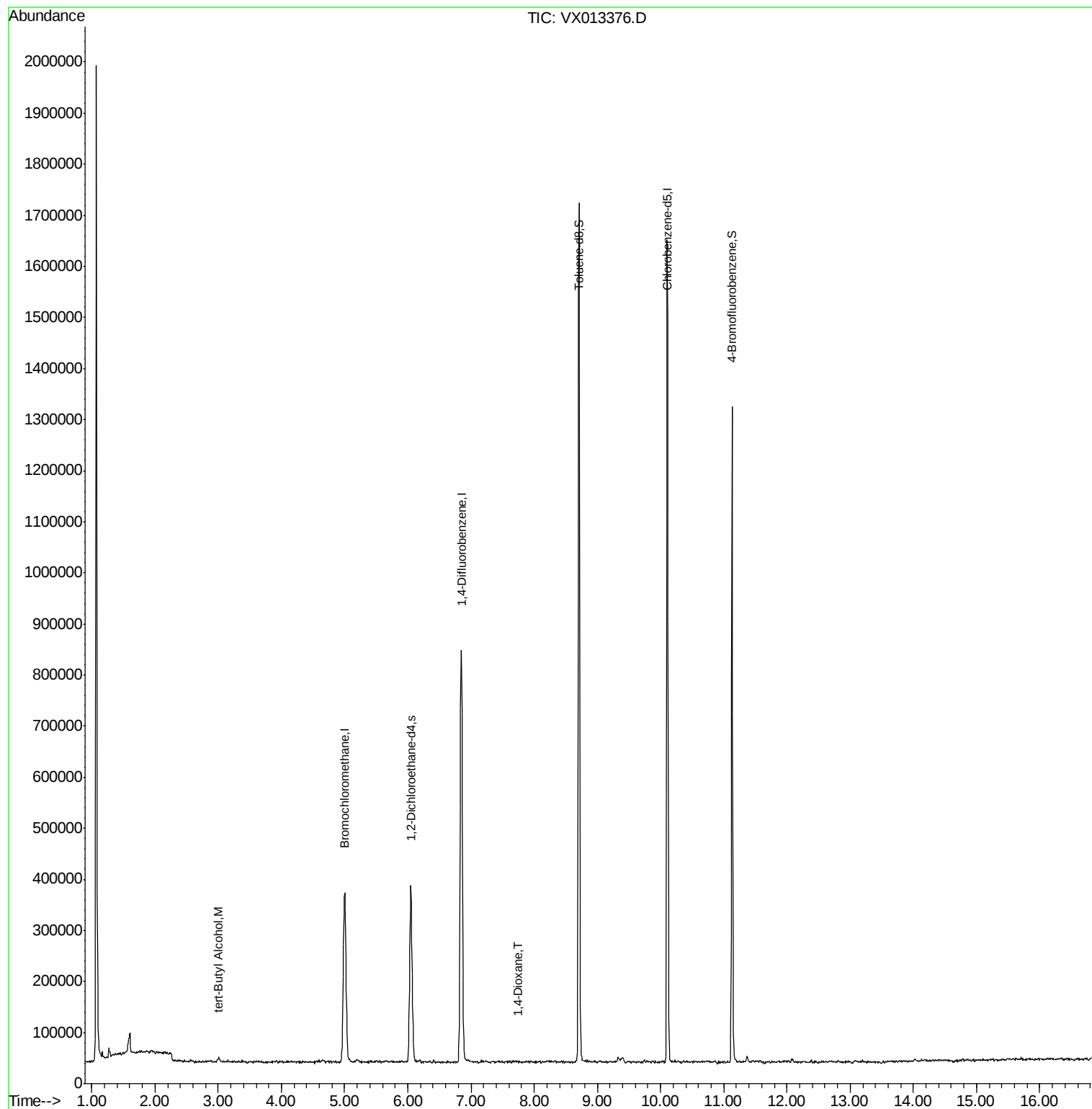
					Qvalue	
23) tert-Butyl Alcohol	3.00	59	5388	1.846	ug/l #	98
45) 1,4-Dioxane	7.74	88	105	0.375	ug/l #	1

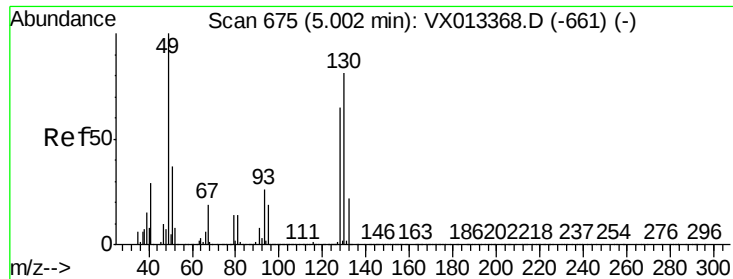
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013376.D

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Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191107

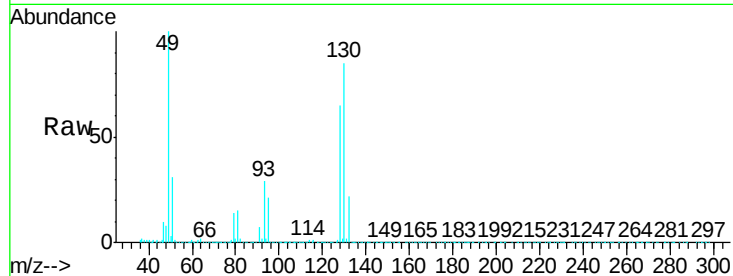
Tgt Ion:128 Resp: 152378

Ion Ratio Lower Upper

128 100

49 156.7 0.0 388.3

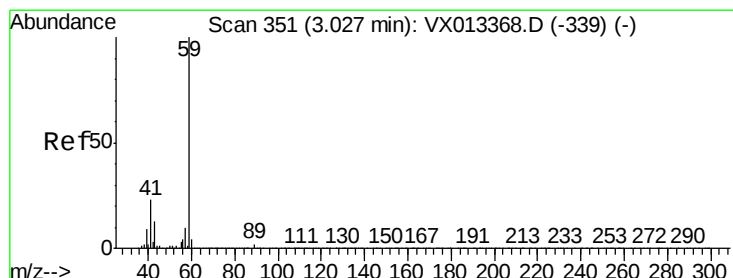
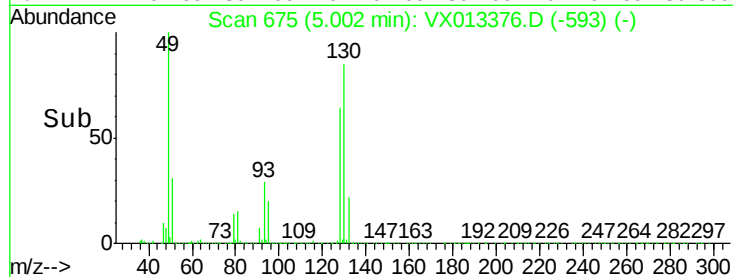
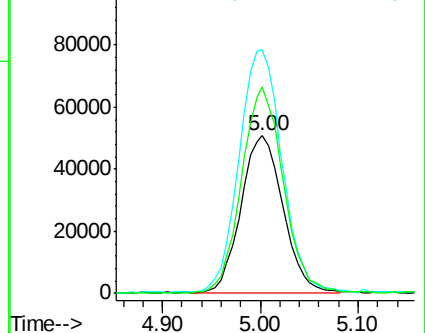
130 129.5 0.0 318.5



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



#23

tert-Butyl Alcohol

Concen: 1.846 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.02 min

Lab File: VX013376.D

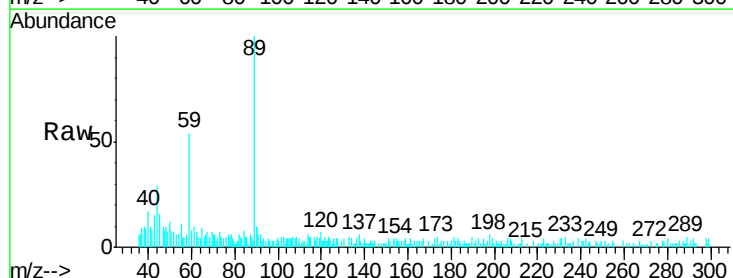
Acq: 12 Nov 2019 11:12

Tgt Ion: 59 Resp: 5388

Ion Ratio Lower Upper

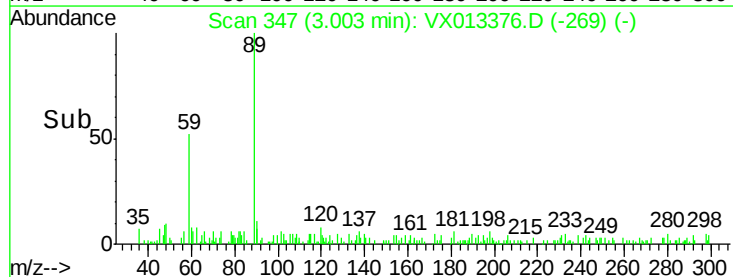
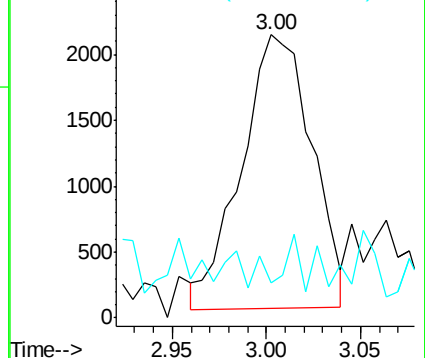
59 100

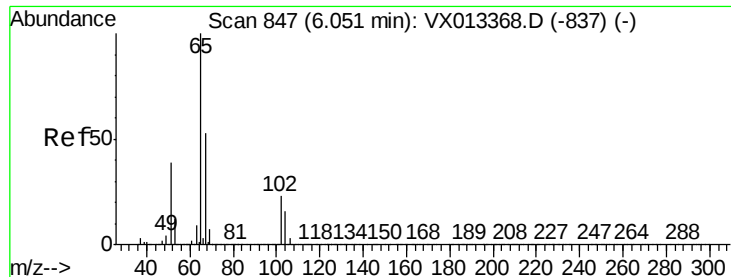
52 3.9 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

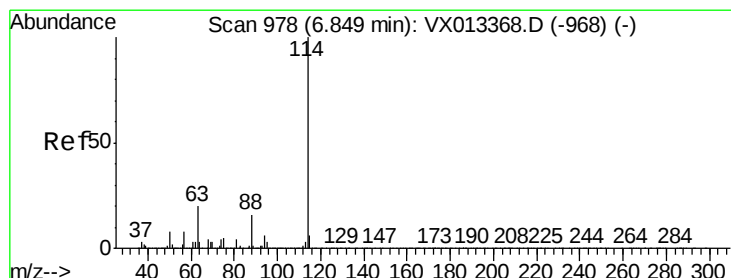
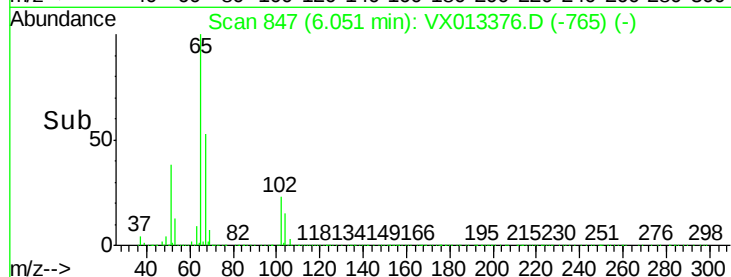
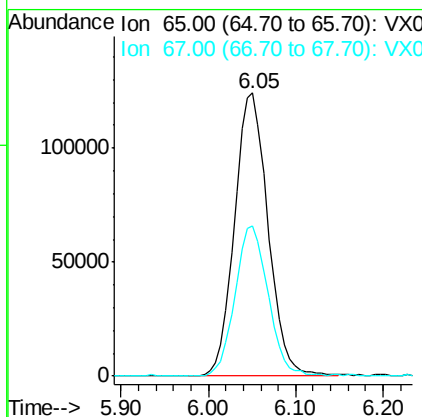
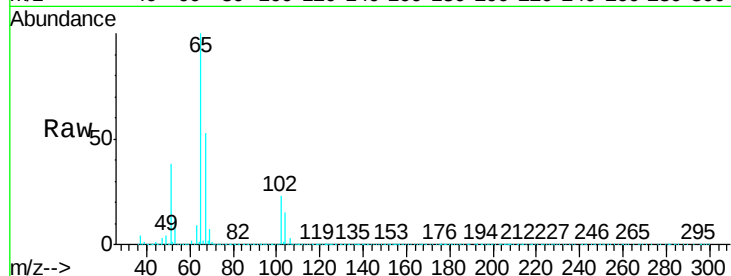




#27
 1,2-Dichloroethane-d4
 Concen: 29.254 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013376.D
 Acq: 12 Nov 2019 11:12

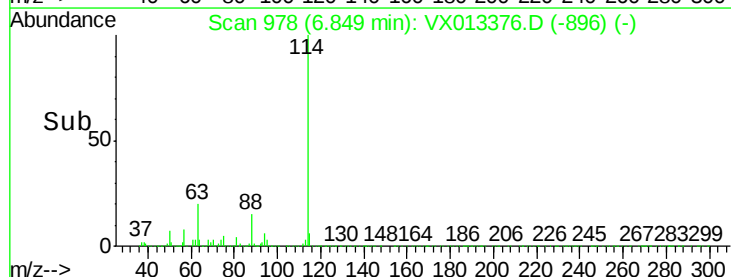
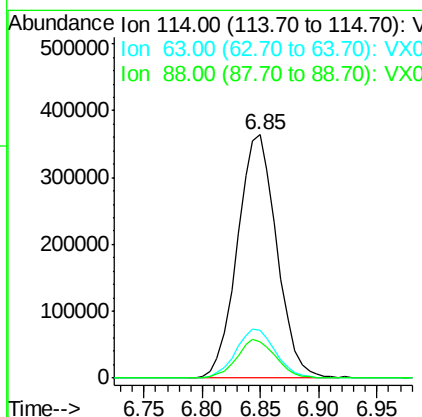
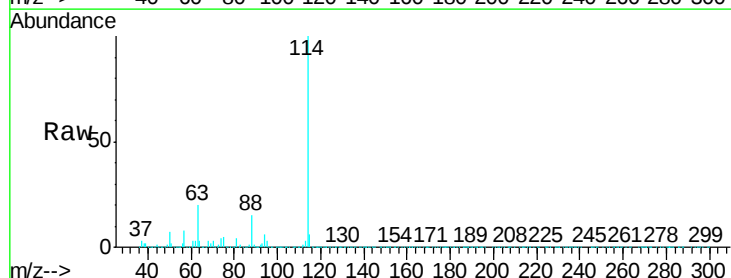
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20191107

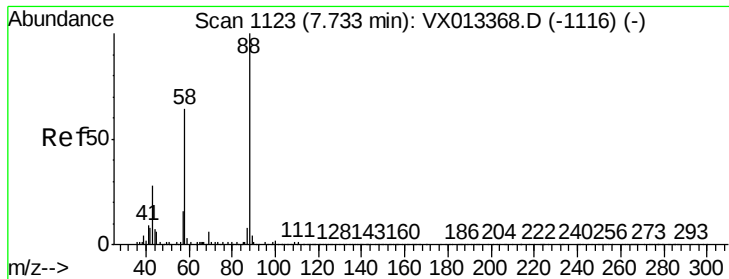
Tgt Ion: 65 Resp: 329158
 Ion Ratio Lower Upper
 65 100
 67 52.2 41.0 61.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013376.D
 Acq: 12 Nov 2019 11:12

Tgt Ion: 114 Resp: 856907
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.1 24.1
 88 15.5 12.3 18.5





#45

1,4-Dioxane

Concen: 0.375 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013376.D

Acq: 12 Nov 2019 11:12

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191107

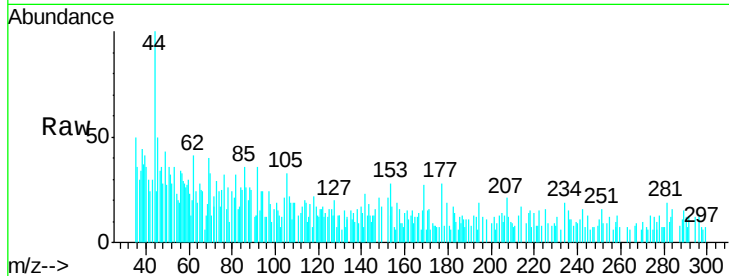
Tgt Ion: 88 Resp: 105

Ion Ratio Lower Upper

88 100

43 0.0 26.1 39.1#

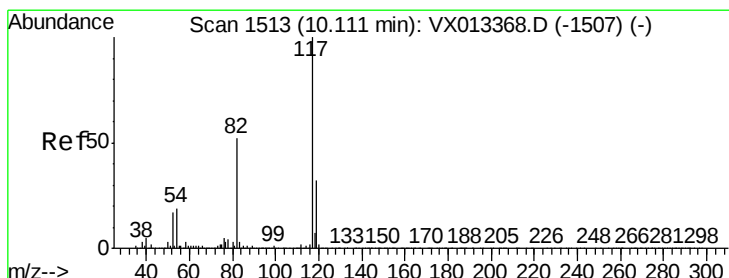
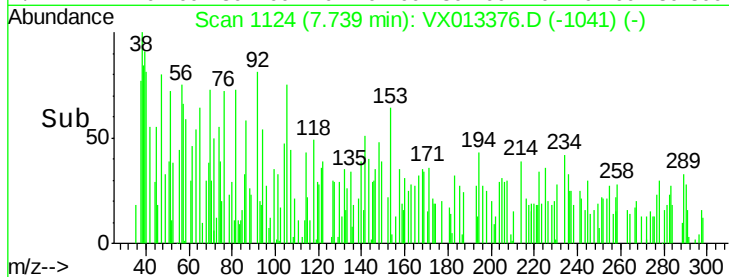
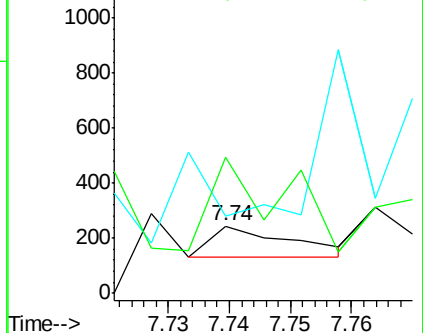
58 301.0 55.8 83.8#



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



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013376.D

Acq: 12 Nov 2019 11:12

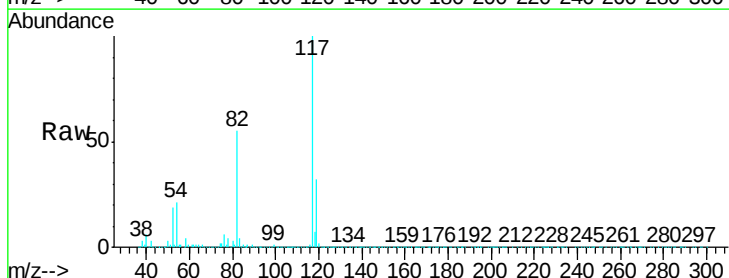
Tgt Ion: 117 Resp: 743469

Ion Ratio Lower Upper

117 100

82 54.6 43.7 65.5

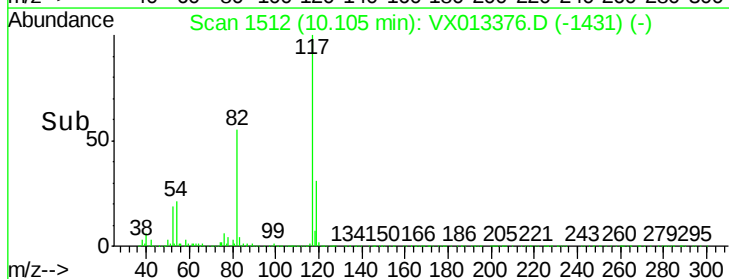
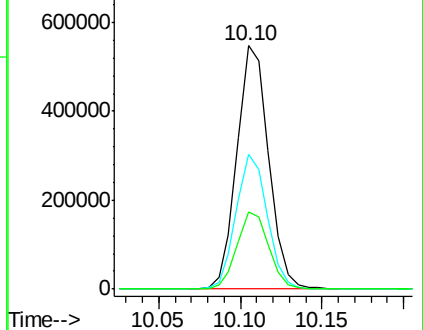
119 31.7 25.5 38.3

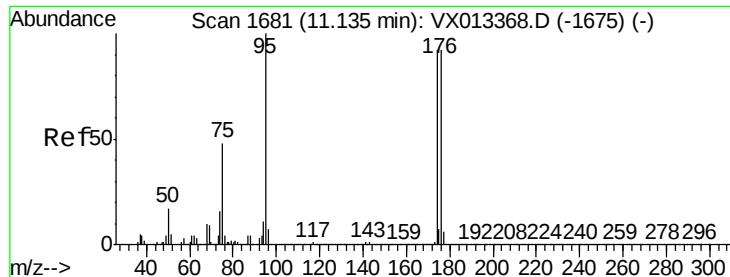


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 28.149 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013376.D

Acq: 12 Nov 2019 11:12

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191107

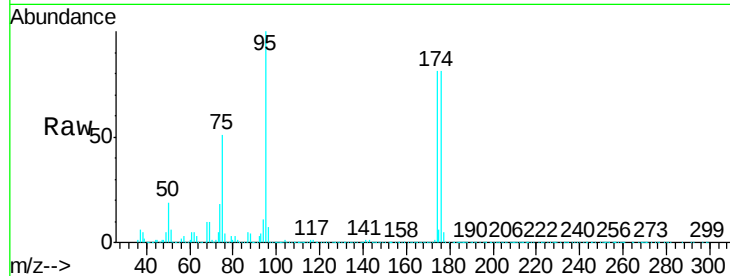
Tgt Ion: 95 Resp: 336371

Ion Ratio Lower Upper

95 100

174 90.0 70.2 105.2

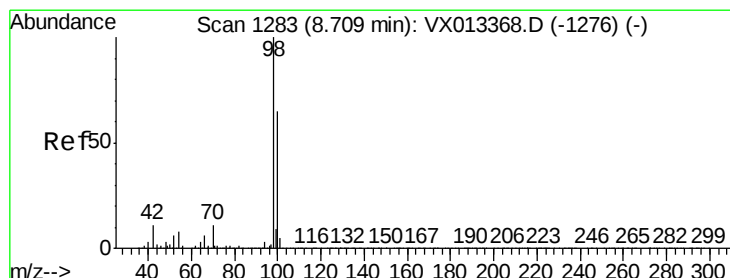
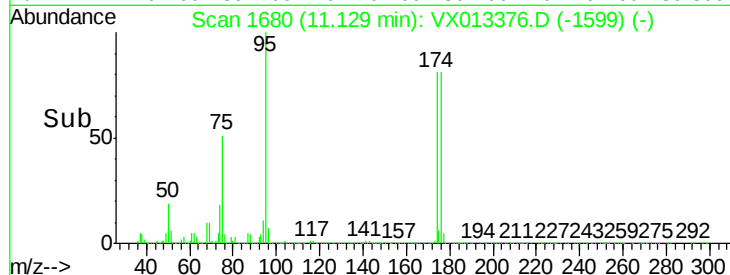
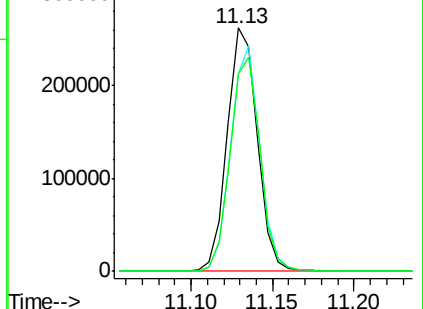
176 87.8 68.3 102.5



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: 30.415 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013376.D

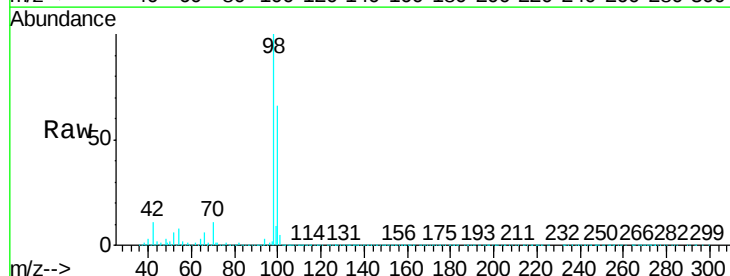
Acq: 12 Nov 2019 11:12

Tgt Ion: 98 Resp: 1022551

Ion Ratio Lower Upper

98 100

100 66.2 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

