

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013655.D
 Acq On : 27 Nov 2019 16:32
 Operator : JC/SP
 Sample : K5960-02 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-2

Quant Time: Dec 02 05:04:39 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	5.01	128	105234	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	527134	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	444340	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	223721	28.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.97%
60) 4-Bromofluorobenzene	11.13	95	200903	28.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.77%
63) Toluene-d8	8.71	98	607377	30.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.77%

Target Compounds

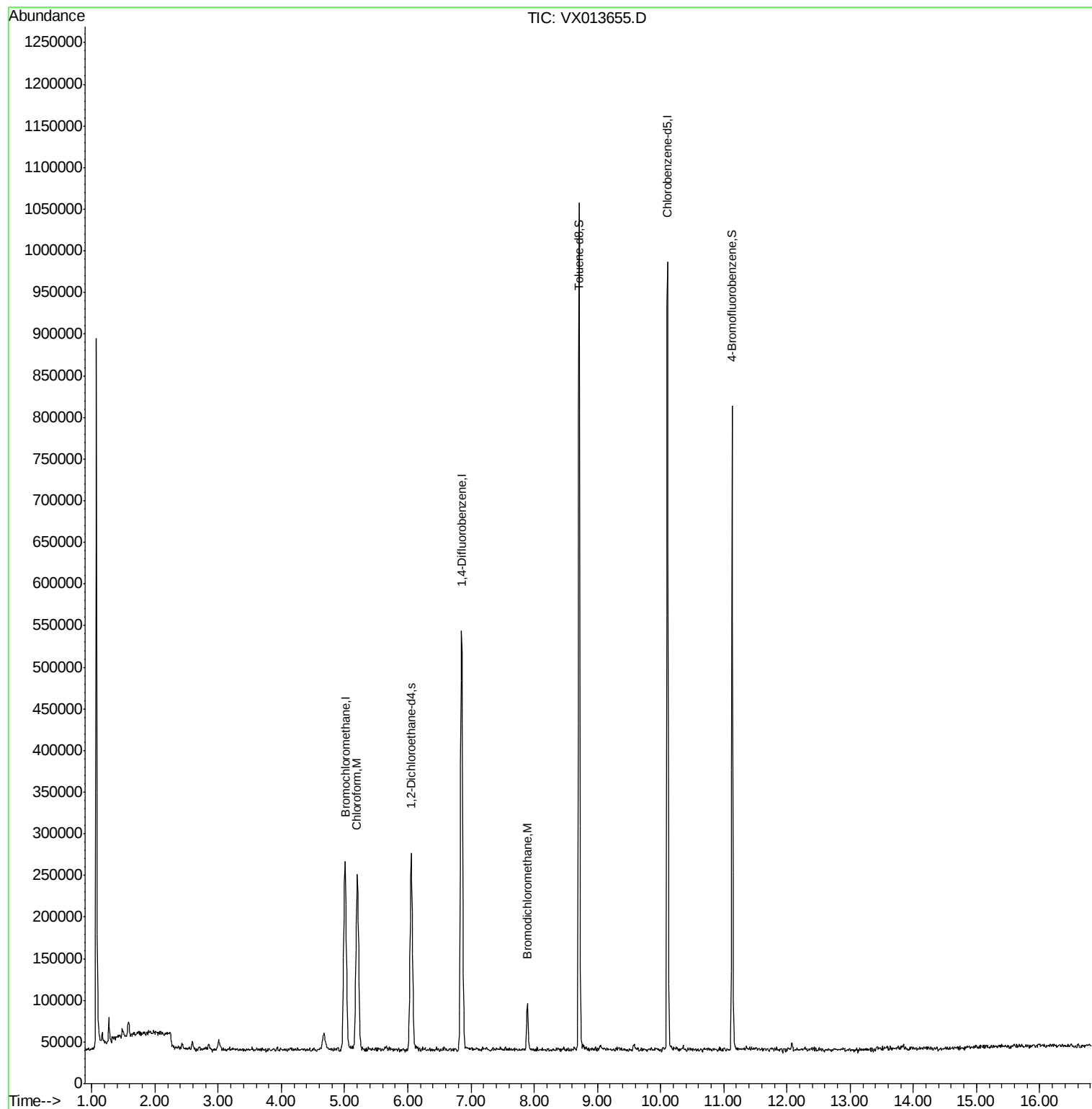
					Ovalue
25) Chloroform	5.20	83	253253	20.629	ug/l 99
41) Bromodichloromethane	7.89	83	38621	4.708	ug/l 90

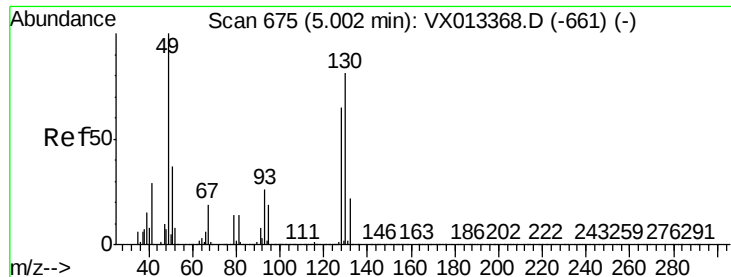
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013655.D

Acq: 27 Nov 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

14B-2

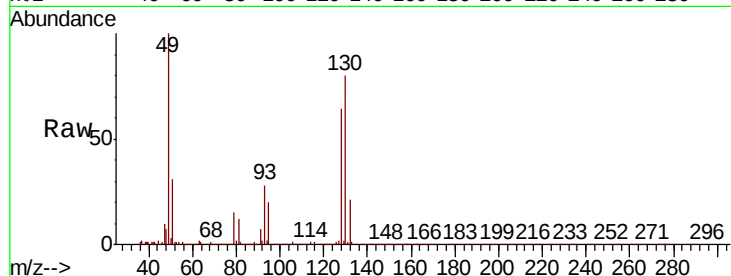
Tot Ion:128 Resp: 105234

Ion Ratio Lower Upper

128 100

49 154.5 0.0 388.3

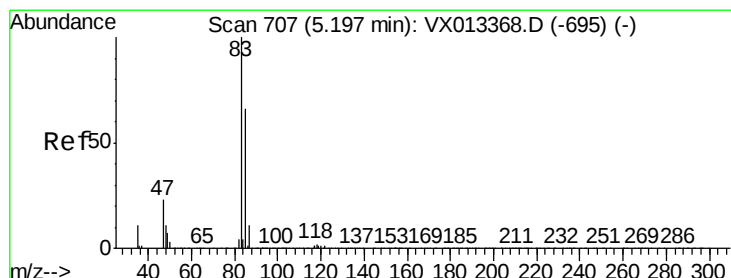
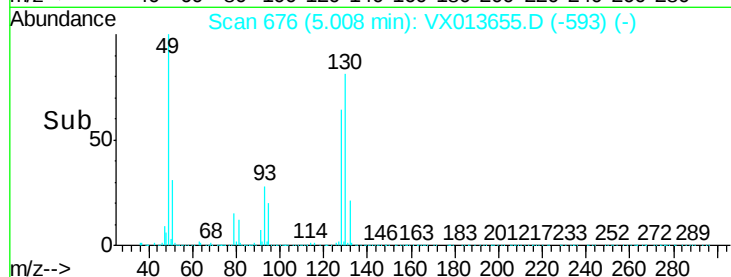
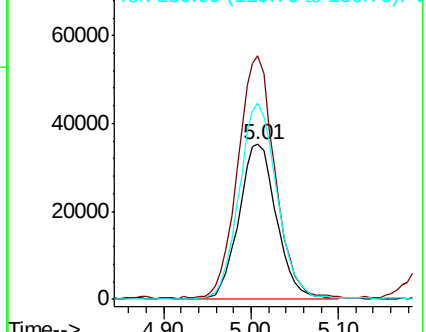
130 127.6 0.0 318.5



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



#25

Chloroform

Concen: 20.629 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX013655.D

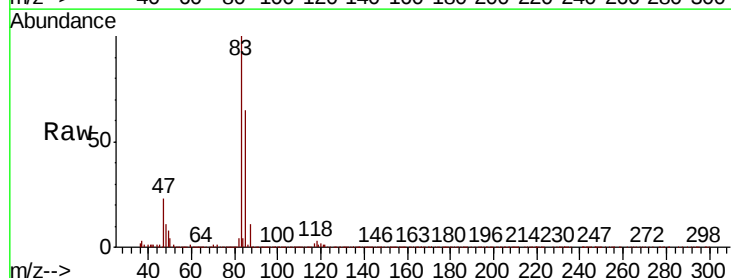
Acq: 27 Nov 2019 16:32

Tgt Ion: 83 Resp: 253253

Ion Ratio Lower Upper

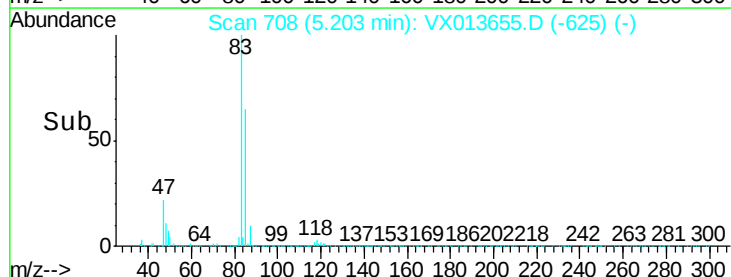
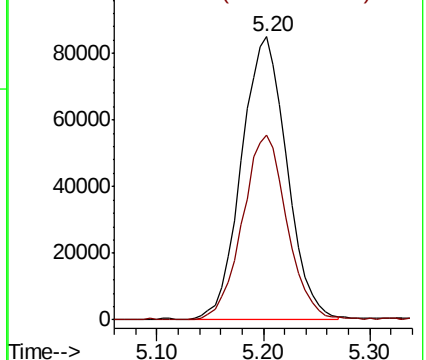
83 100

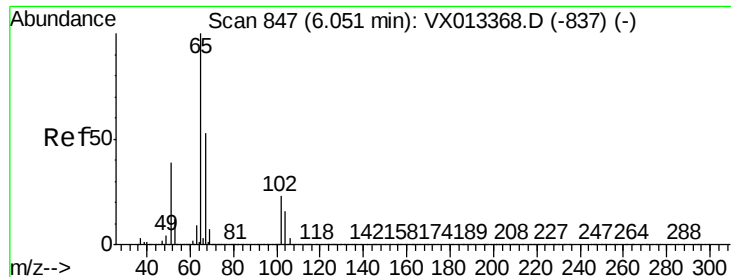
85 64.9 52.4 78.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 28.790 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013655.D

Acq: 27 Nov 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

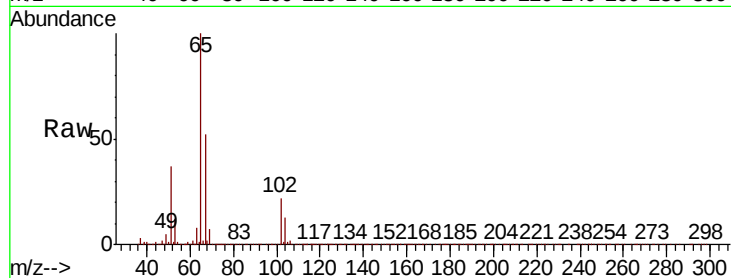
14B-2

Tot Ion: 65 Resp: 223721

Ion Ratio Lower Upper

65 100

67 52.6 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.05

80000

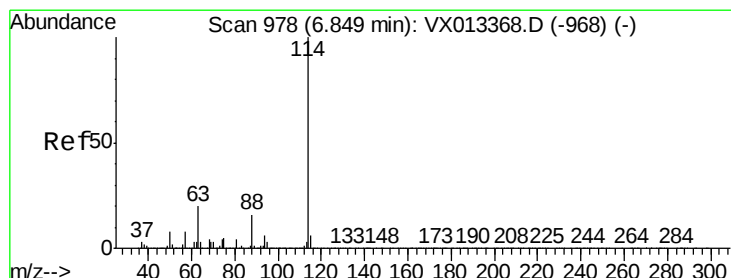
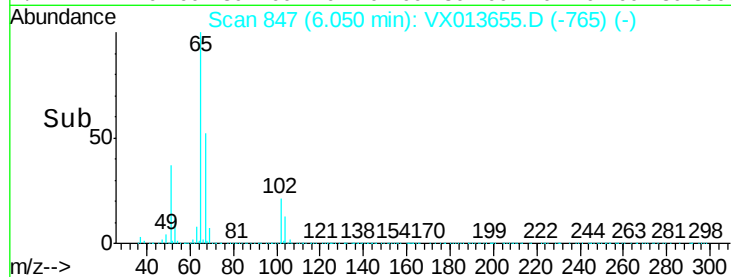
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013655.D

Acq: 27 Nov 2019 16:32

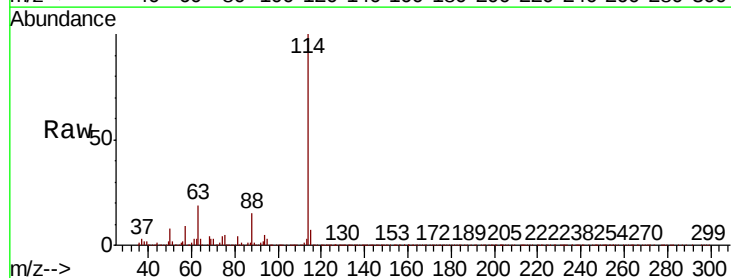
Tgt Ion: 114 Resp: 527134

Ion Ratio Lower Upper

114 100

63 19.8 16.1 24.1

88 15.5 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

300000

250000

200000

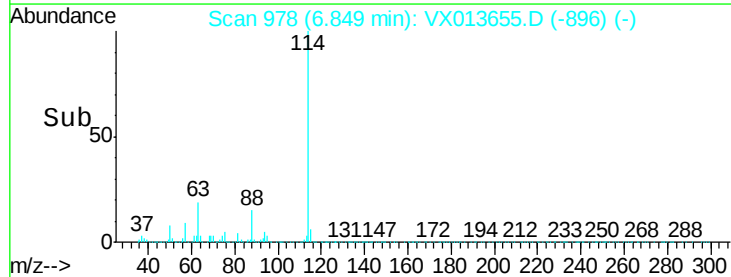
150000

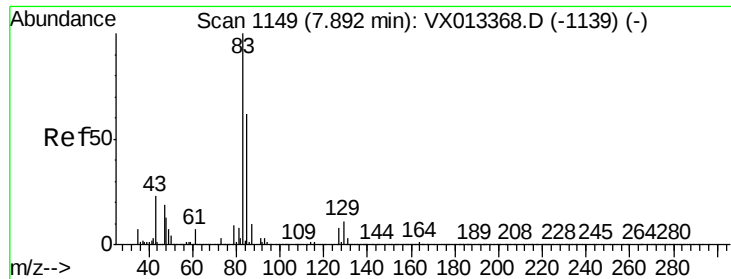
100000

50000

0

Time-->





#41

Bromodichloromethane

Concen: 4.708 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013655.D

Acq: 27 Nov 2019 16:32

Instrument :

MSVOA_X

ClientSampled :

14B-2

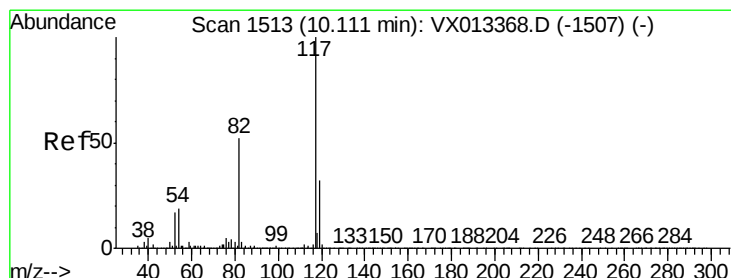
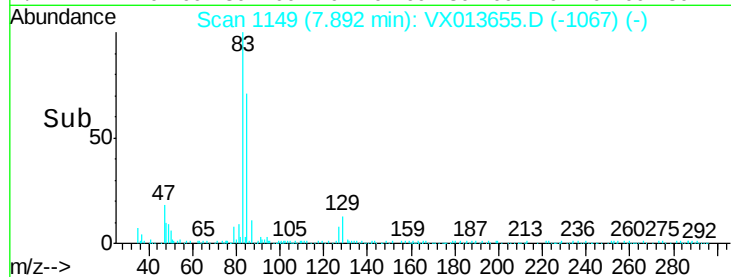
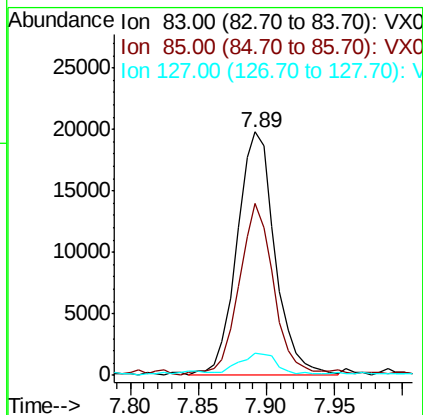
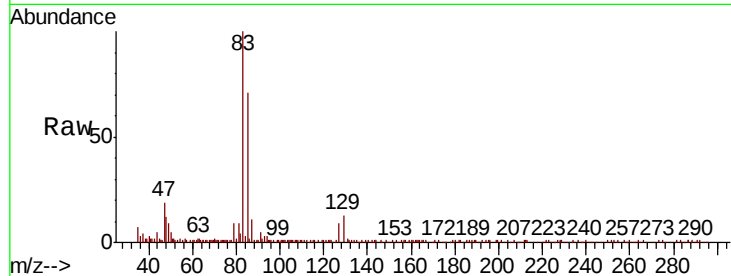
Tot Ion: 83 Resp: 38621

Ion Ratio Lower Upper

83 100

85 69.9 49.3 73.9

127 8.2 6.6 10.0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013655.D

Acq: 27 Nov 2019 16:32

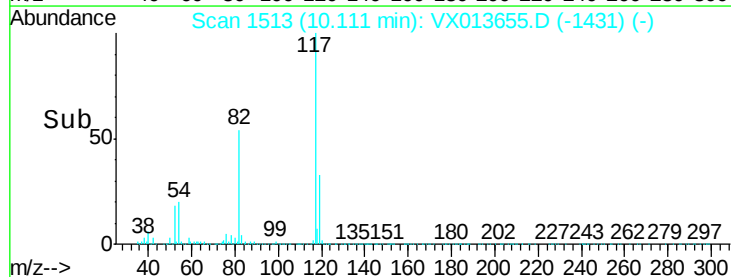
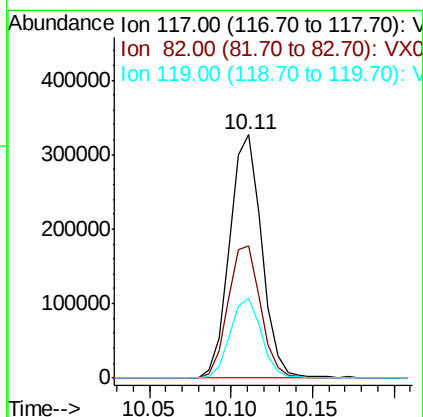
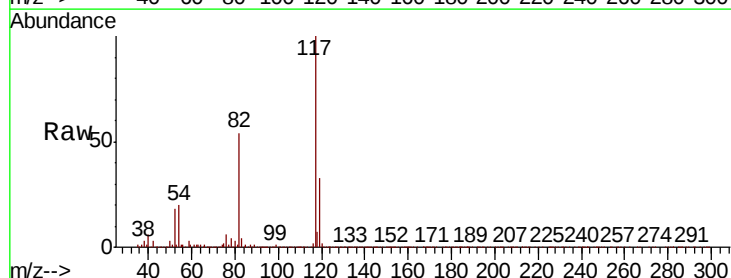
Tgt Ion: 117 Resp: 444340

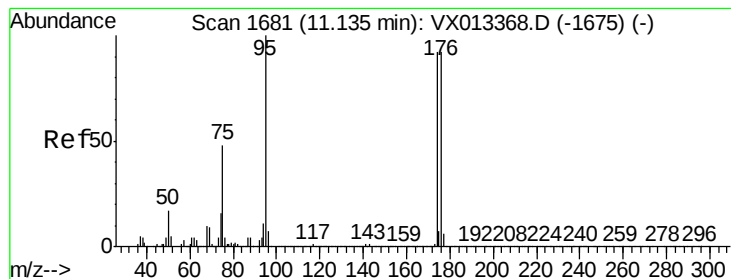
Ion Ratio Lower Upper

117 100

82 55.3 43.7 65.5

119 32.5 25.5 38.3





#60

4-Bromofluorobenzene

Concen: 28.131 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013655.D

Acq: 27 Nov 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

14B-2

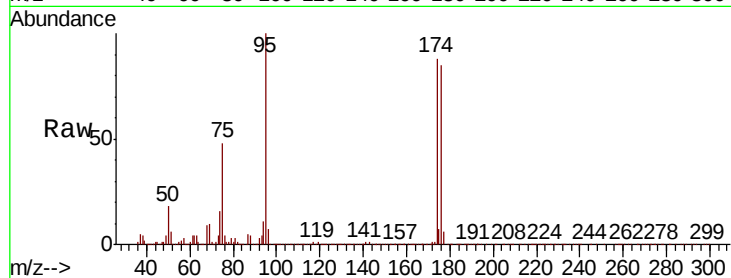
Tot Ion: 95 Resp: 200903

Ion Ratio Lower Upper

95 100

174 90.0 70.2 105.2

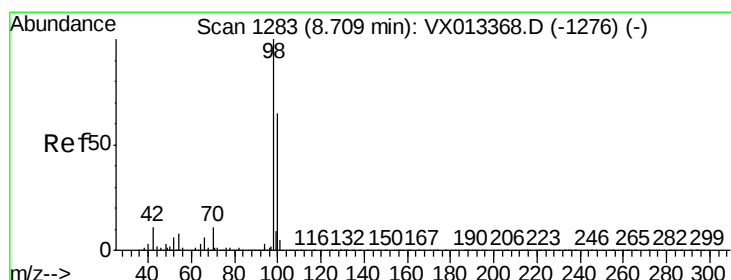
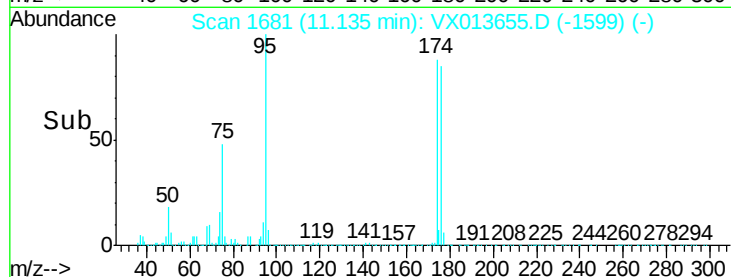
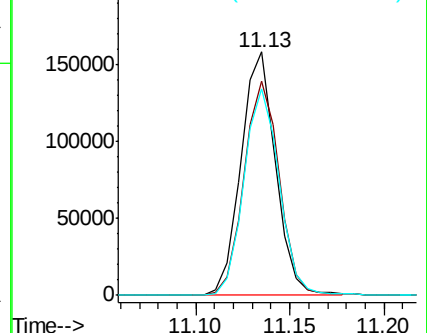
176 86.8 68.3 102.5



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: 30.228 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013655.D

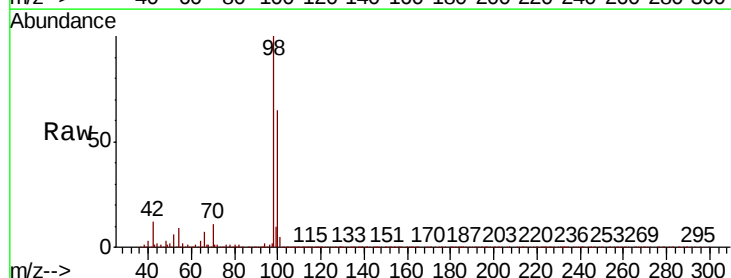
Acq: 27 Nov 2019 16:32

Tgt Ion: 98 Resp: 607377

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

