

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\
 Data File : VX013430.D
 Acq On : 14 Nov 2019 18:53
 Operator : JC/SP
 Sample : K5859-03 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

Quant Time: Nov 16 00:09:03 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	104908	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	598249	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	522118	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.05	65	235927	30.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.53%
60) 4-Bromofluorobenzene	11.14	95	244146	29.09	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.97%
63) Toluene-d8	8.71	98	710355	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

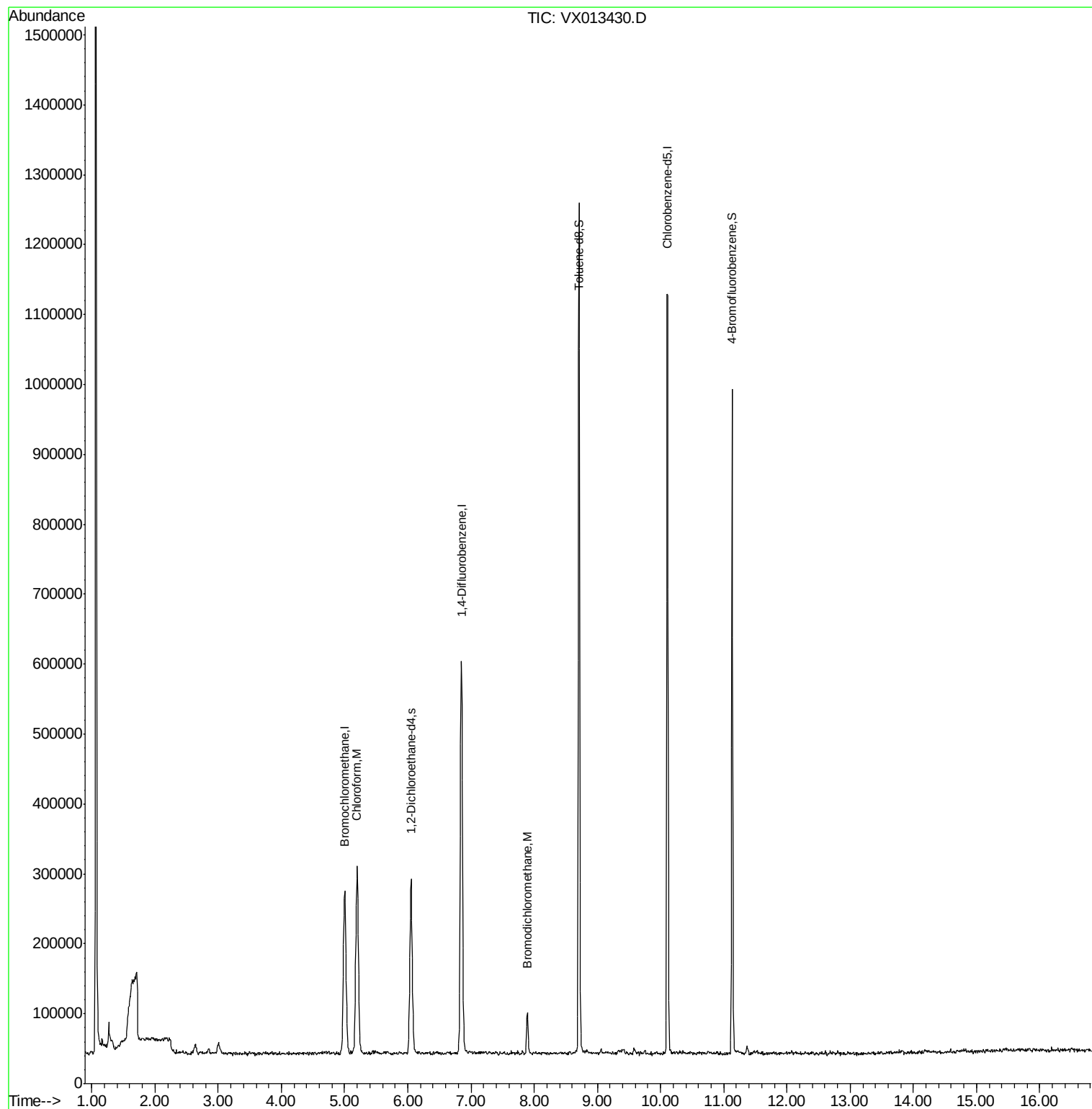
Target Compounds					Ovalue
25) Chloroform	5.20	83	304137	24.851 ug/l	97
41) Bromodichloromethane	7.89	83	38522	4.138 ug/l	98

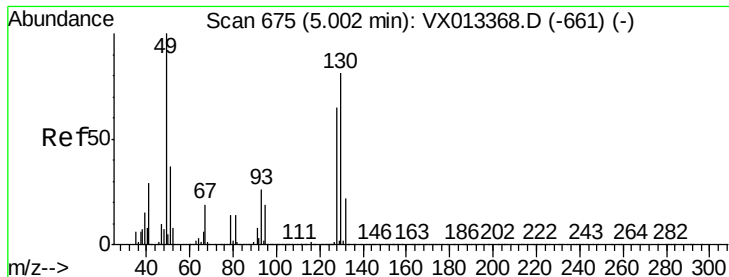
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 12 01:16:13 2019
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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: VX013430.D

Acq: 14 Nov 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

14B-3

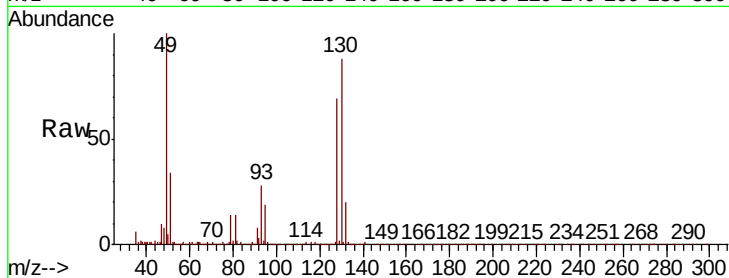
Tot Ion:128 Resp: 104908

Ion Ratio Lower Upper

128 100

49 158.6 0.0 388.3

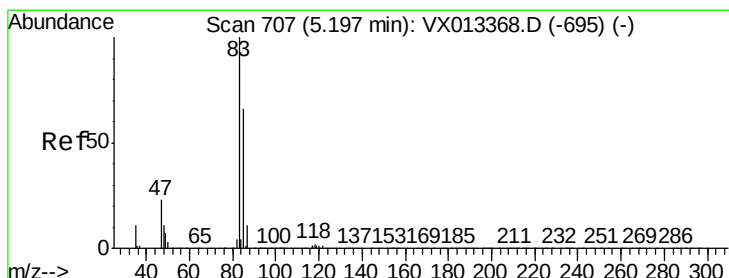
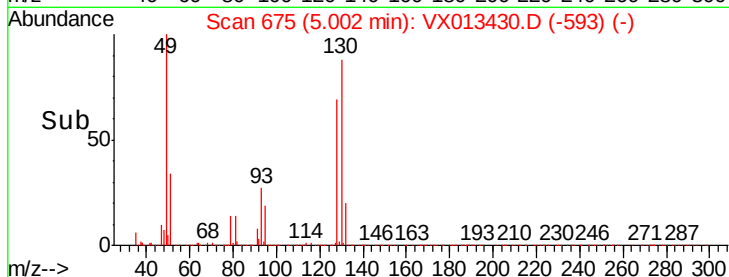
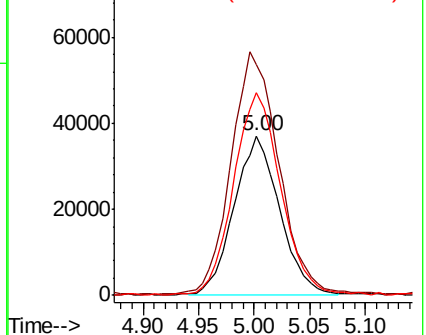
130 131.4 0.0 318.5



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: 24.851 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013430.D

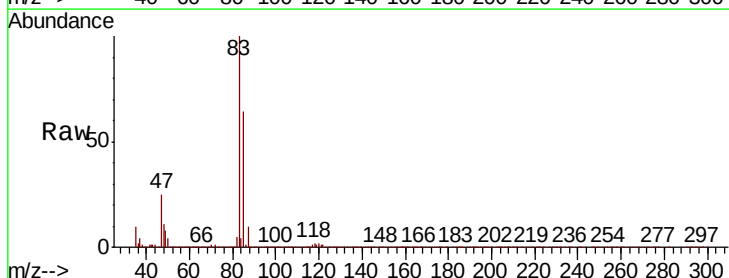
Acq: 14 Nov 2019 18:53

Tgt Ion: 83 Resp: 304137

Ion Ratio Lower Upper

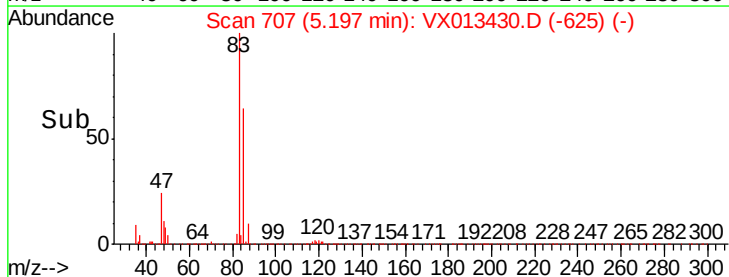
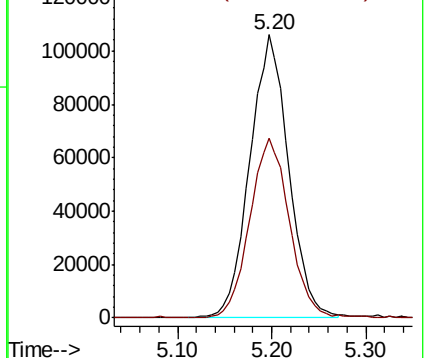
83 100

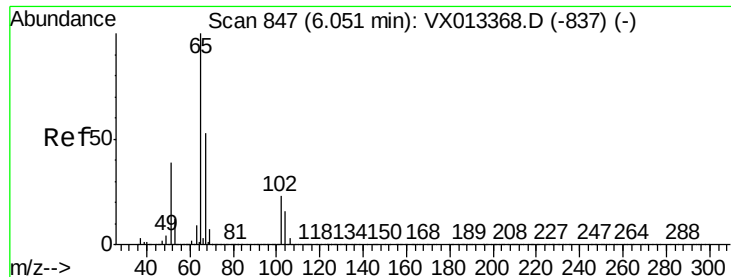
85 63.3 52.4 78.6



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: 30.456 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013430.D

Acq: 14 Nov 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

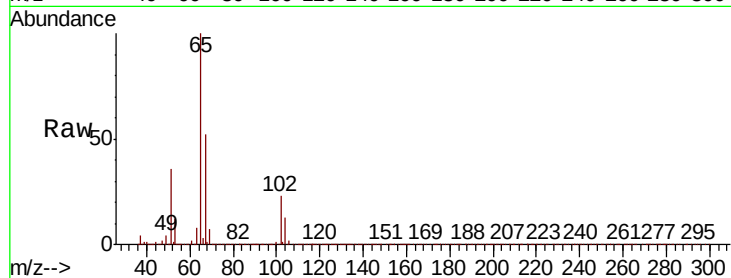
14B-3

Tot Ion: 65 Resp: 235927

Ion Ratio Lower Upper

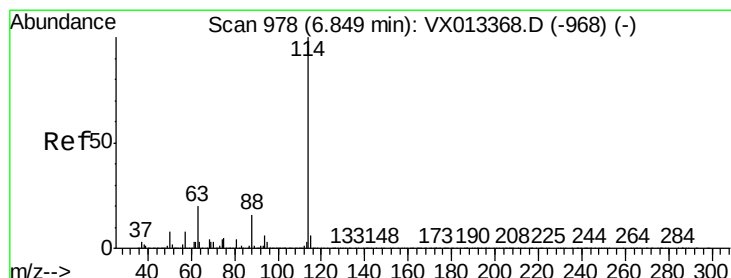
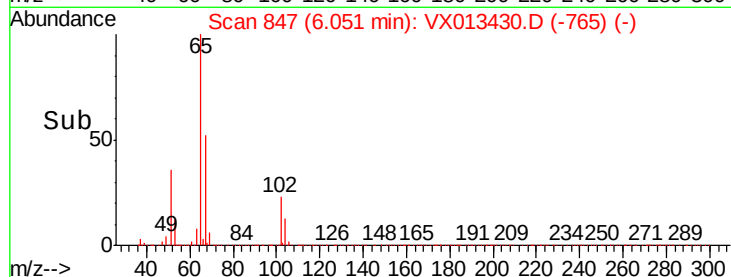
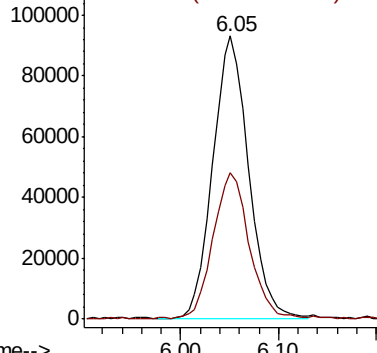
65 100

67 52.1 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013430.D

Acq: 14 Nov 2019 18:53

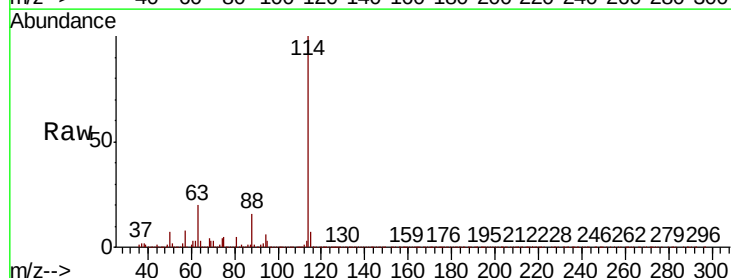
Tgt Ion: 114 Resp: 598249

Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

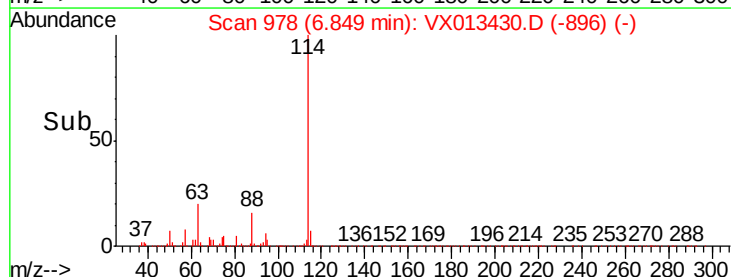
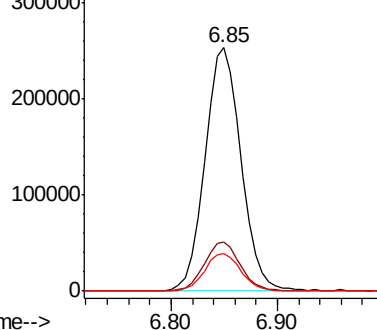
88 15.4 12.3 18.5

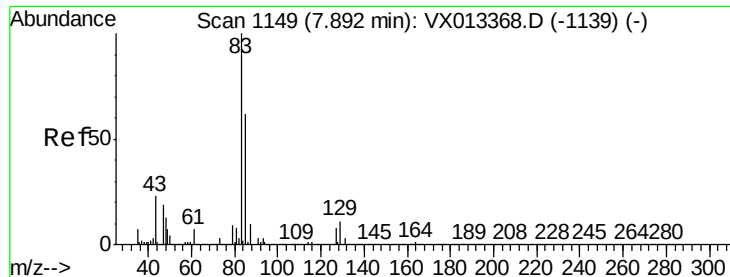


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#41

Bromodichloromethane

Concen: 4.138 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013430.D

Acq: 14 Nov 2019 18:53

Instrument :

MSVOA_X

ClientSampled :

14B-3

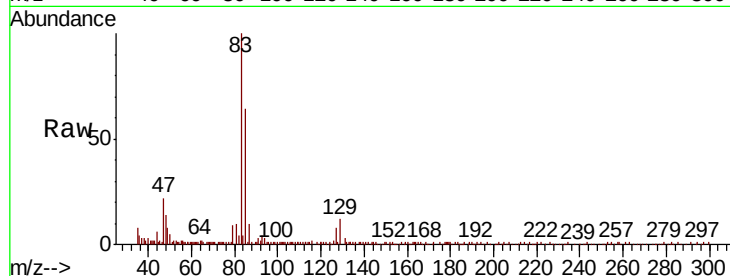
Tot Ion: 83 Resp: 38522

Ion Ratio Lower Upper

83 100

85 63.4 49.3 73.9

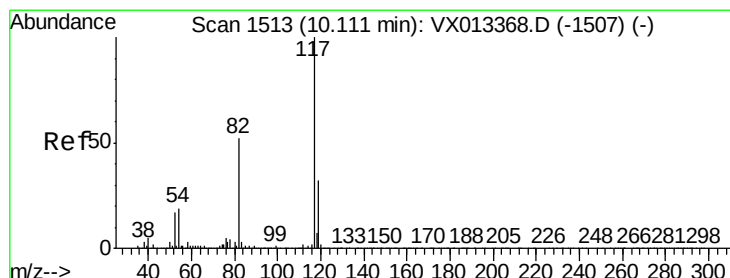
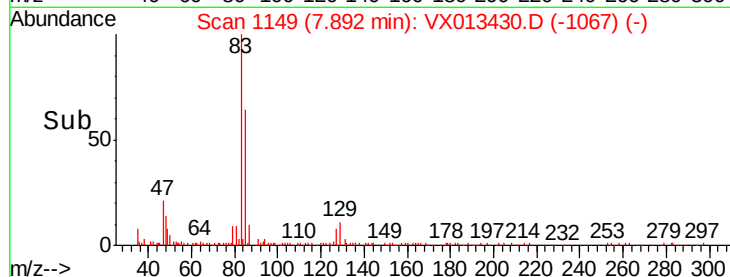
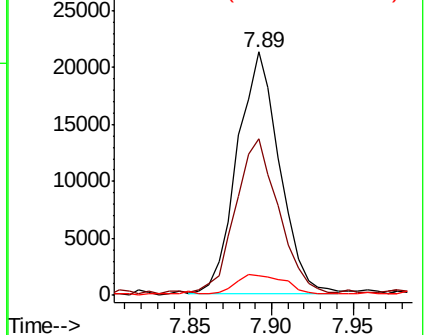
127 8.8 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013430.D

Acq: 14 Nov 2019 18:53

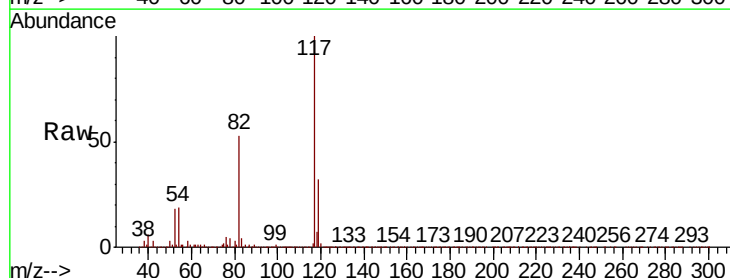
Tgt Ion: 117 Resp: 522118

Ion Ratio Lower Upper

117 100

82 54.4 43.7 65.5

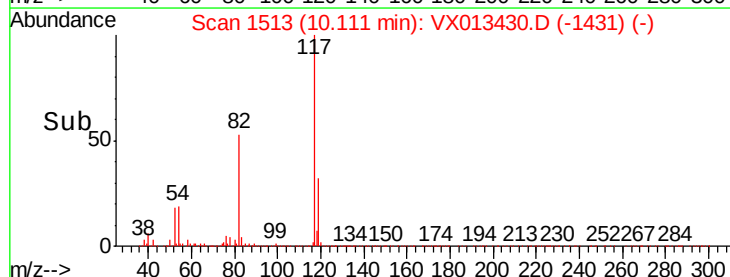
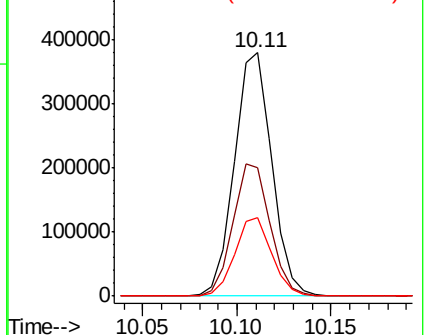
119 31.8 25.5 38.3

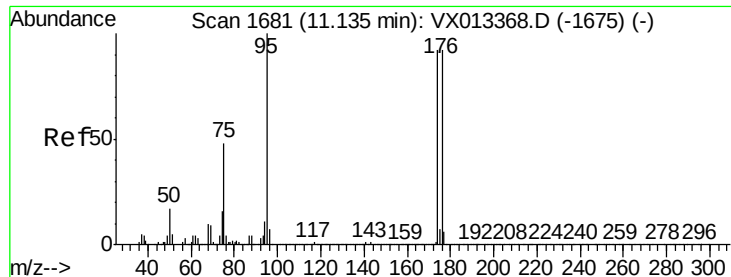


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

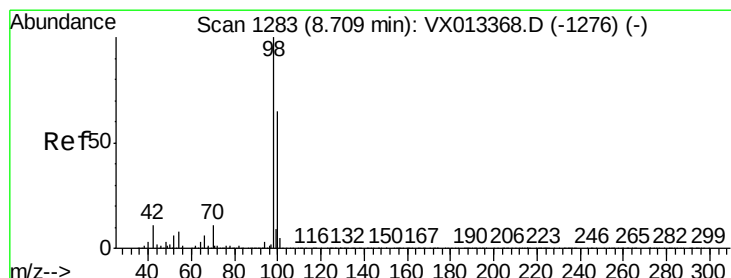
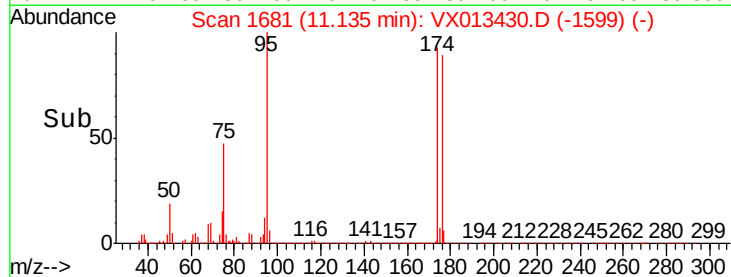
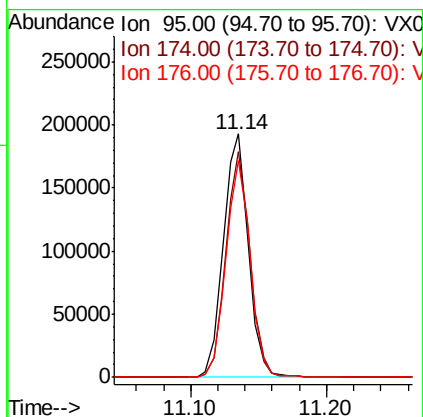
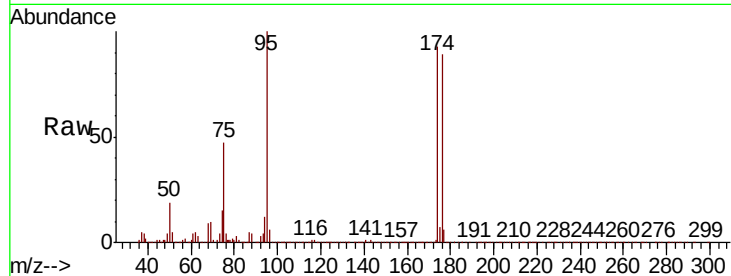




#60
4-Bromofluorobenzene
Concen: 29.093 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013430.D
Acq: 14 Nov 2019 18:53

Instrument :
MSVOA_X
ClientSampled :
14B-3

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.9	70.2	105.2
176	86.9	68.3	102.5



#63
Toluene-d8
Concen: 30.087 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013430.D
Acq: 14 Nov 2019 18:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7

