

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013538.D
 Acq On : 22 Nov 2019 17:08
 Operator : JC/SP
 Sample : K5960-04 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-4

Quant Time: Nov 25 00:52:20 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	113560	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	641538	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	554770	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	245545	29.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.60%
60) 4-Bromofluorobenzene	11.14	95	246288	27.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.07%
63) Toluene-d8	8.71	98	755535	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

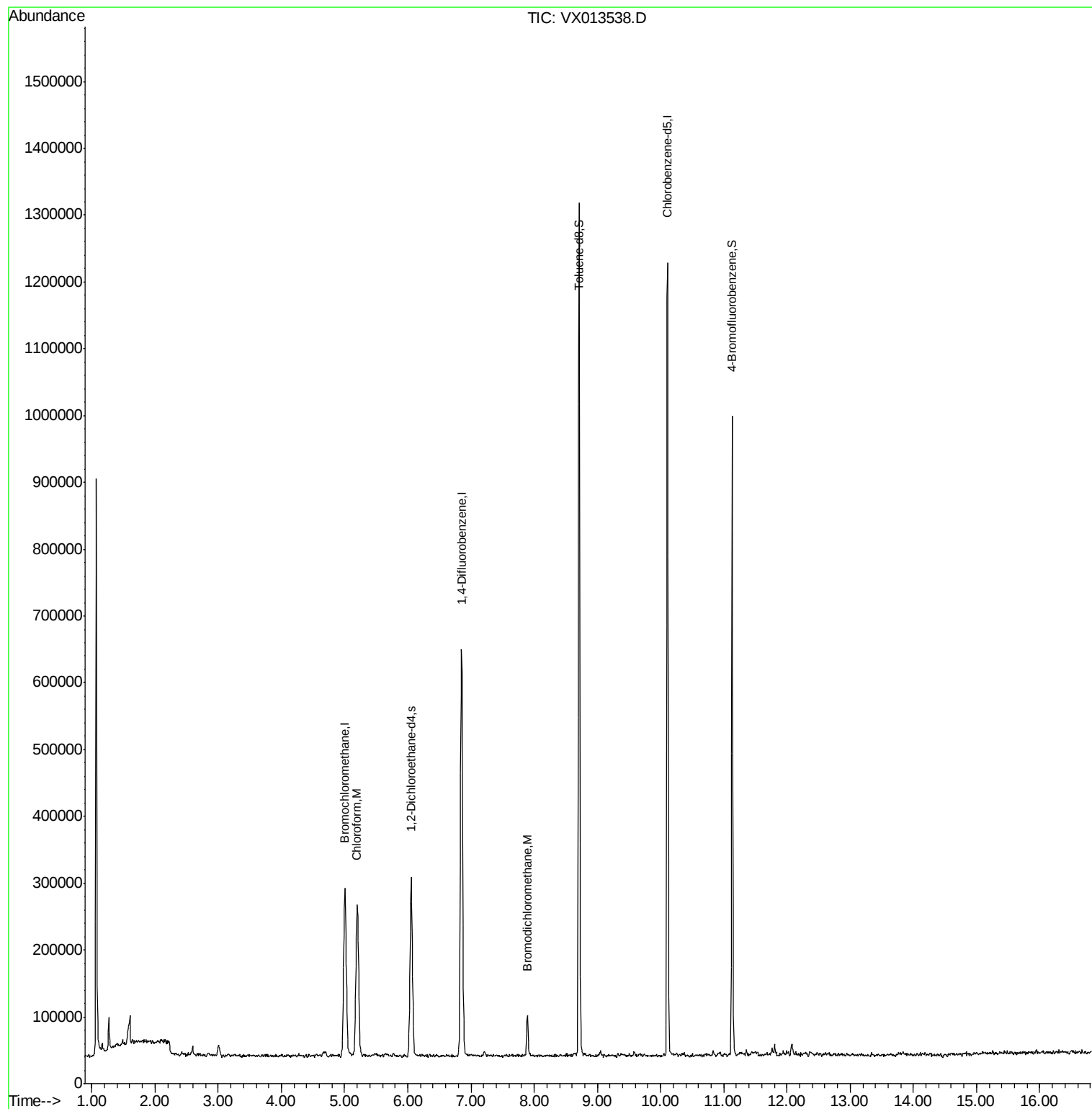
					Ovalue
25) Chloroform	5.20	83	273770	20.666	ug/l 98
41) Bromodichloromethane	7.89	83	40159	4.022	ug/l 97

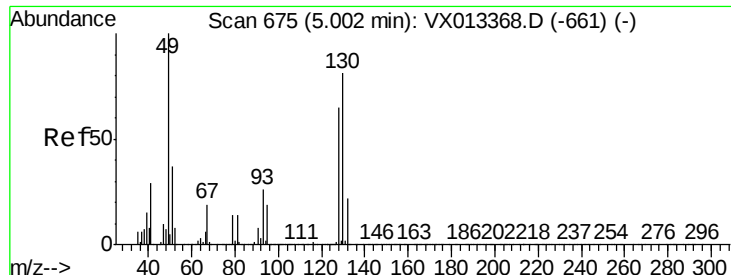
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013538.D

Acq: 22 Nov 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

14B-4

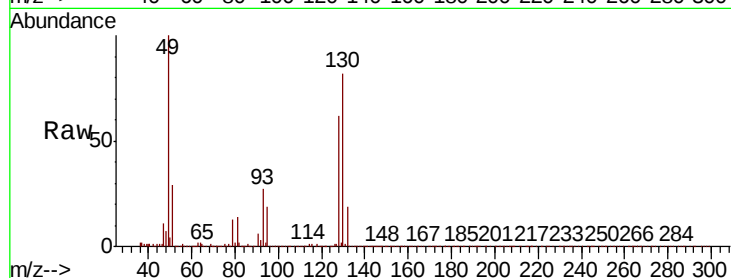
Tot Ion:128 Resp: 113560

Ion Ratio Lower Upper

128 100

49 157.7 0.0 388.3

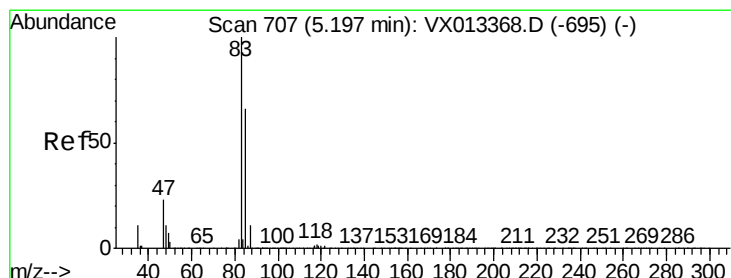
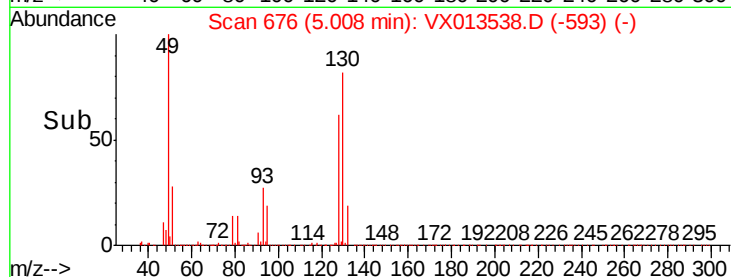
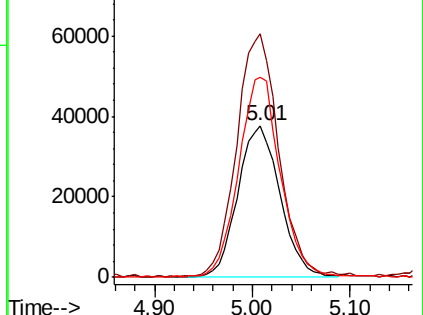
130 129.9 0.0 318.5



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: 20.666 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013538.D

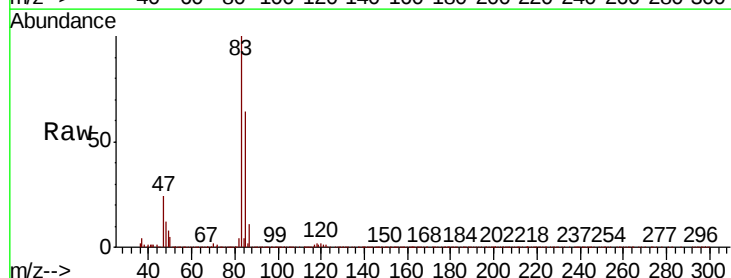
Acq: 22 Nov 2019 17:08

Tgt Ion: 83 Resp: 273770

Ion Ratio Lower Upper

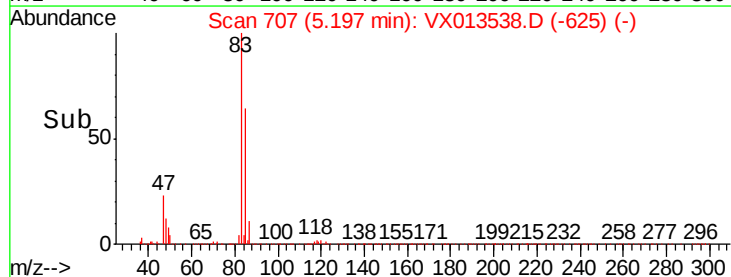
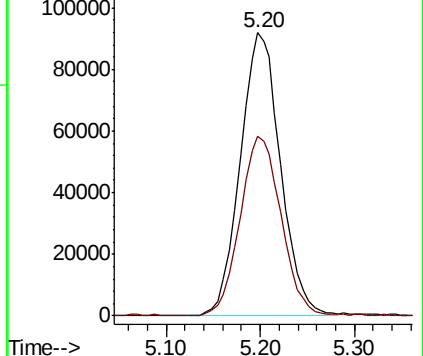
83 100

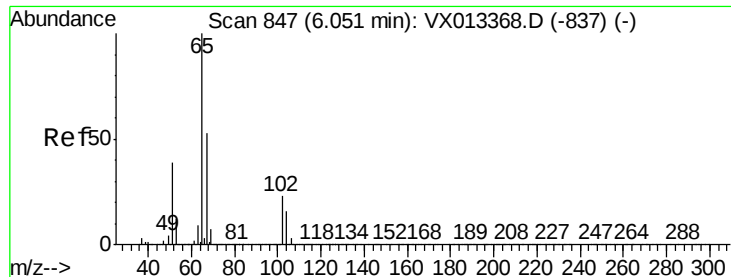
85 63.6 52.4 78.6



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: 29.282 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013538.D

Acq: 22 Nov 2019 17:08

Instrument :

MSVOA_X

ClientSampled :

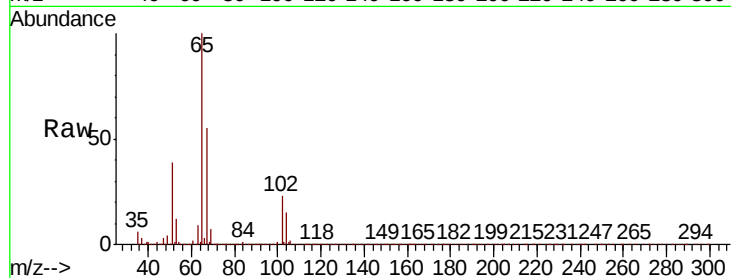
14B-4

Tot Ion: 65 Resp: 245545

Ion Ratio Lower Upper

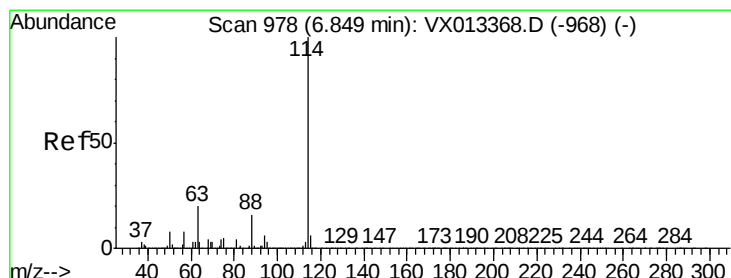
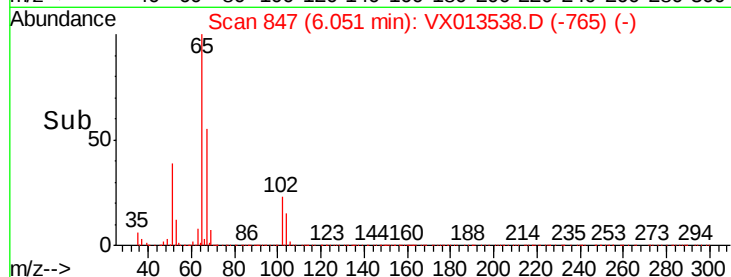
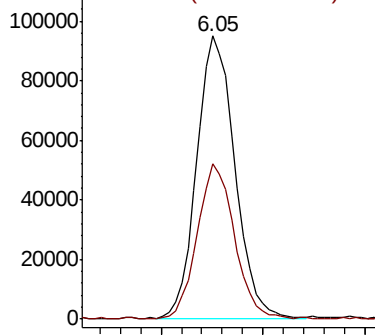
65 100

67 53.4 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: VX013538.D

Acq: 22 Nov 2019 17:08

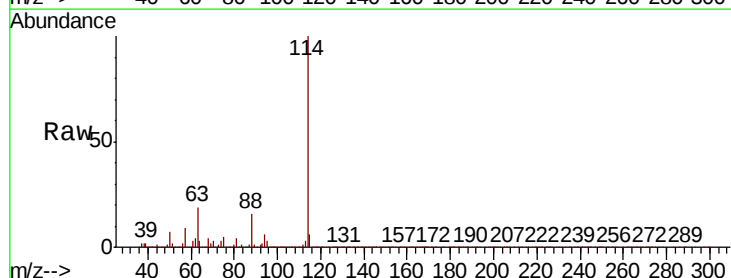
Tgt Ion: 114 Resp: 641538

Ion Ratio Lower Upper

114 100

63 20.0 16.1 24.1

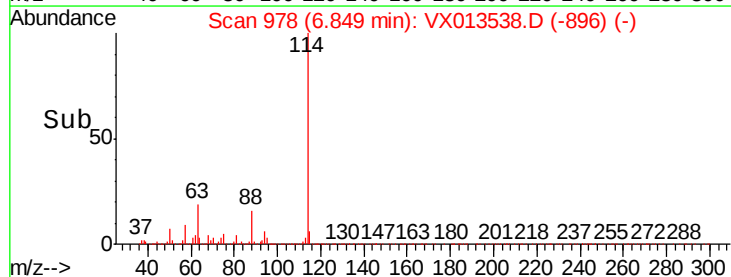
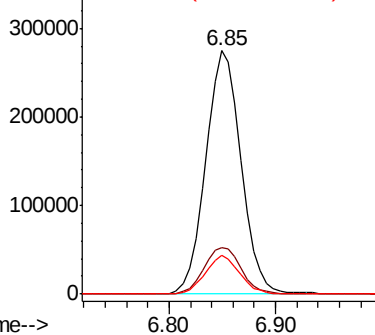
88 15.2 12.3 18.5

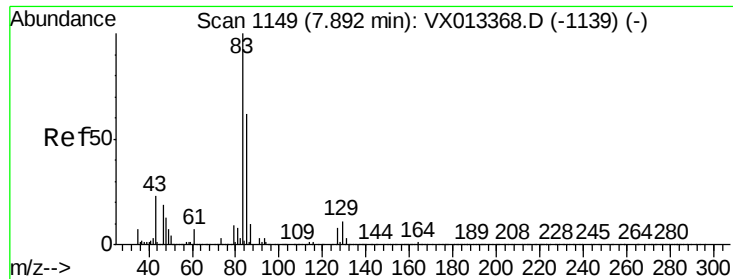


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#41

Bromodichloromethane

Concen: 4.022 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013538.D

Acq: 22 Nov 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

14B-4

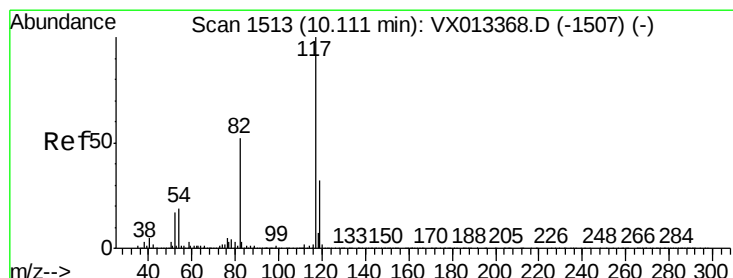
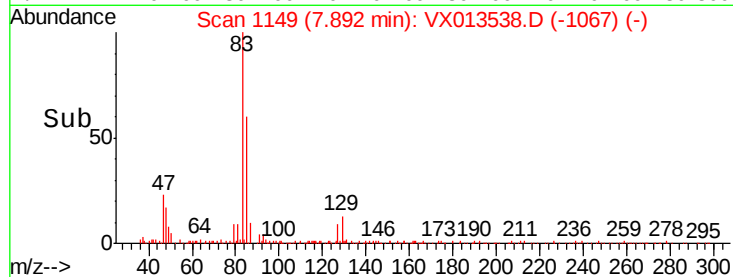
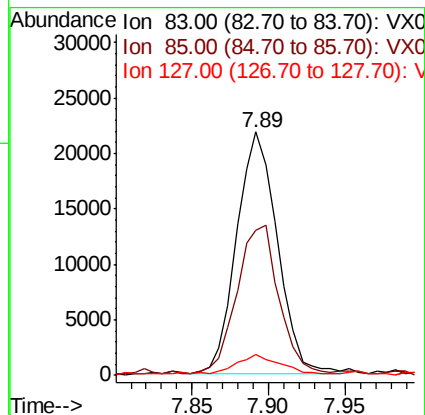
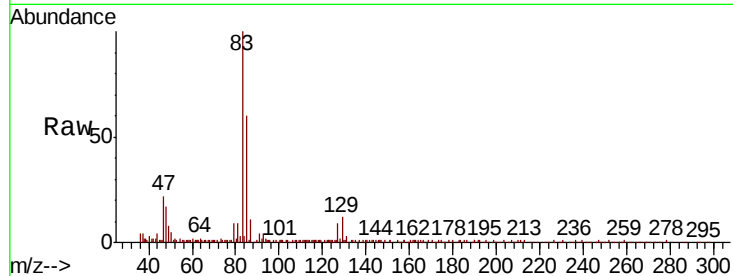
Tot Ion: 83 Resp: 40159

Ion Ratio Lower Upper

83 100

85 59.3 49.3 73.9

127 8.1 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: VX013538.D

Acq: 22 Nov 2019 17:08

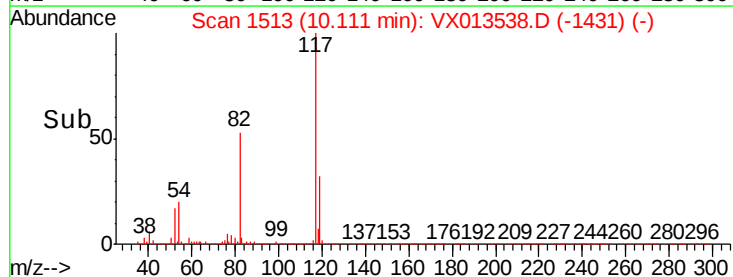
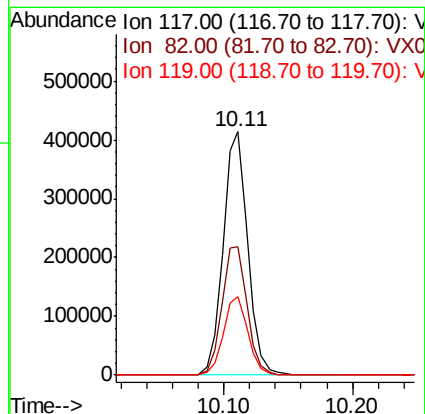
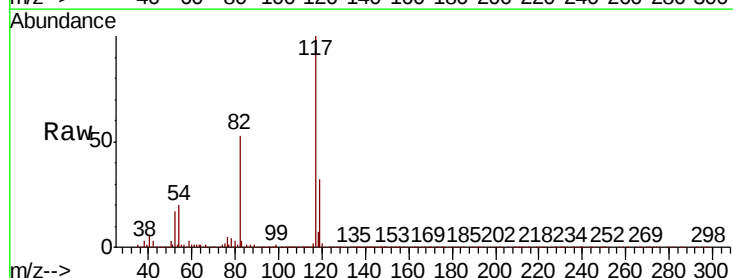
Tgt Ion: 117 Resp: 554770

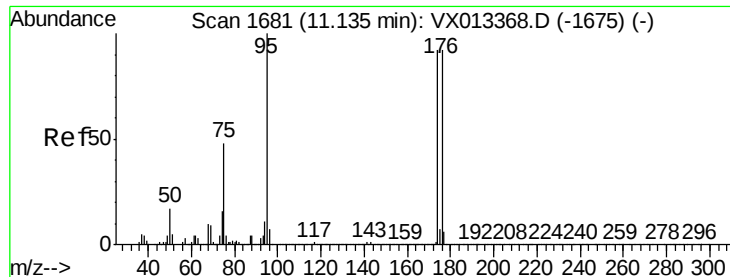
Ion Ratio Lower Upper

117 100

82 54.4 43.7 65.5

119 32.4 25.5 38.3

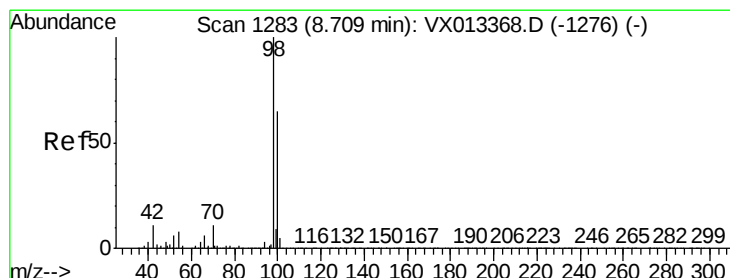
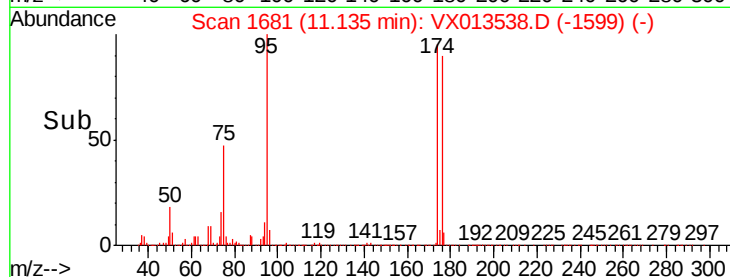
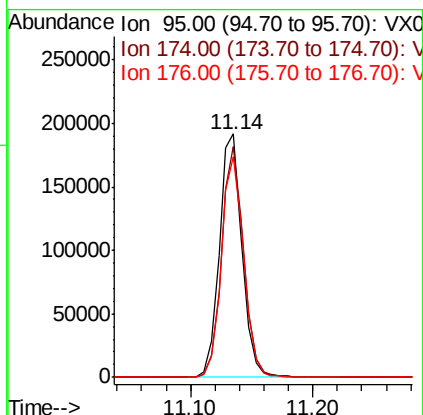
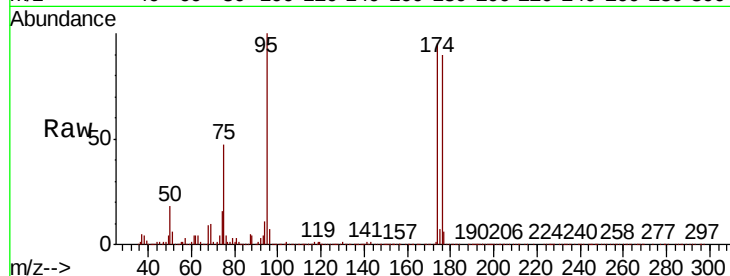




#60
4-Bromofluorobenzene
Concen: 27.621 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013538.D
Acq: 22 Nov 2019 17:08

Instrument :
MSVOA_X
ClientSampled :
14B-4

Tot Ion: 95 Resp: 246288
Ion Ratio Lower Upper
95 100
174 91.6 70.2 105.2
176 88.7 68.3 102.5



#63
Toluene-d8
Concen: 30.117 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013538.D
Acq: 22 Nov 2019 17:08

Tgt Ion: 98 Resp: 755535
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7

