

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013540.D
 Acq On : 22 Nov 2019 17:55
 Operator : JC/SP
 Sample : K5978-02 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-2

Quant Time: Nov 25 02:53:51 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	108623	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	607759	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	523107	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.05	65	239558	29.87	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.57%
60) 4-Bromofluorobenzene	11.14	95	229825	27.33	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.10%
63) Toluene-d8	8.71	98	717668	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

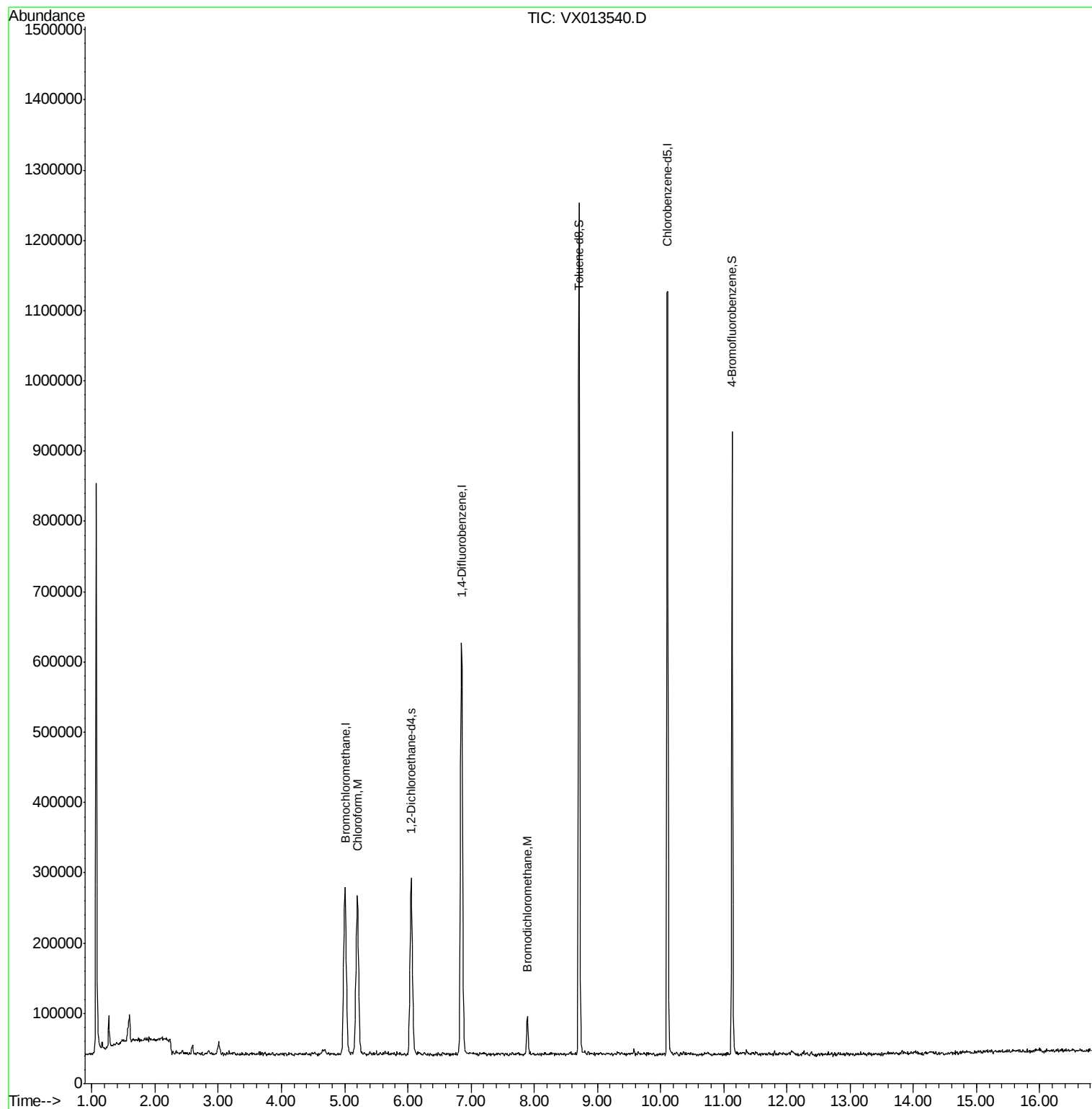
Target Compounds					Ovalue
25) Chloroform	5.20	83	264766	20.894 ug/l	98
41) Bromodichloromethane	7.89	83	35314	3.734 ug/l	92

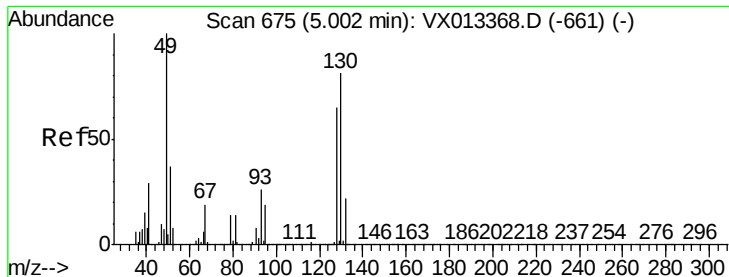
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013540.D

Acq: 22 Nov 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

14B-2

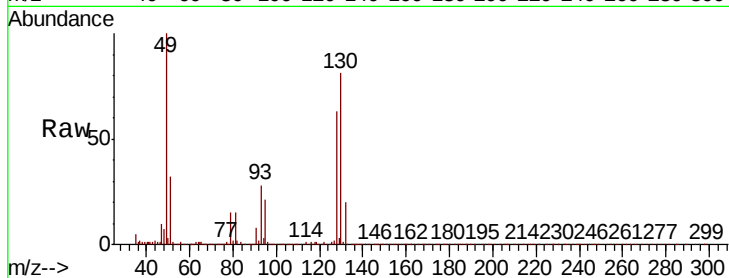
Tot Ion:128 Resp: 108623

Ion Ratio Lower Upper

128 100

49 156.7 0.0 388.3

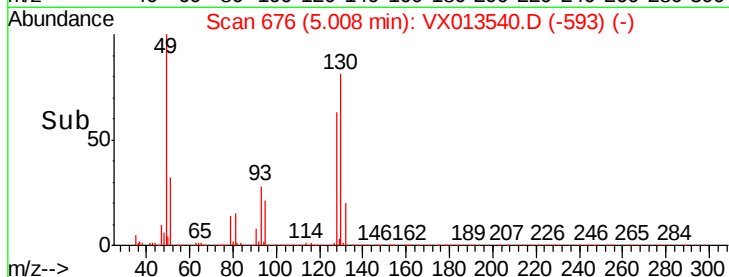
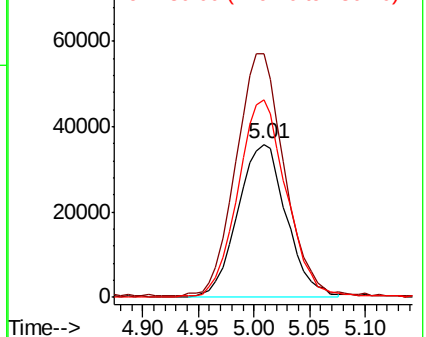
130 127.1 0.0 318.5



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: 20.894 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013540.D

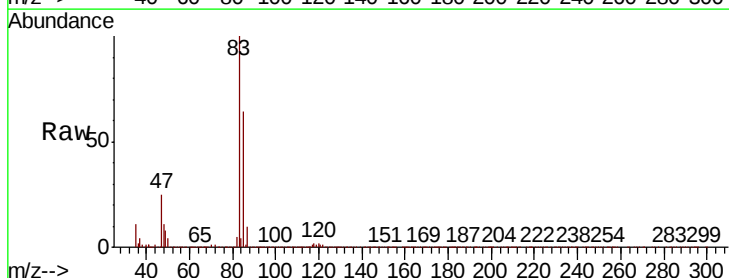
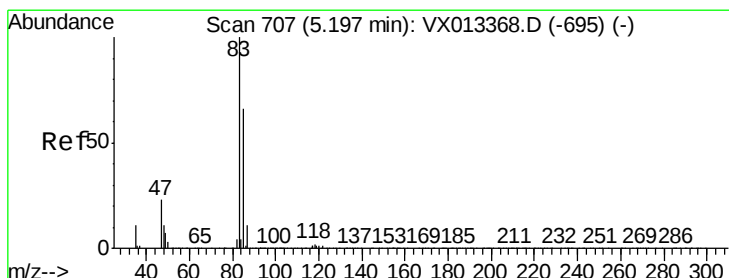
Acq: 22 Nov 2019 17:55

Tgt Ion: 83 Resp: 264766

Ion Ratio Lower Upper

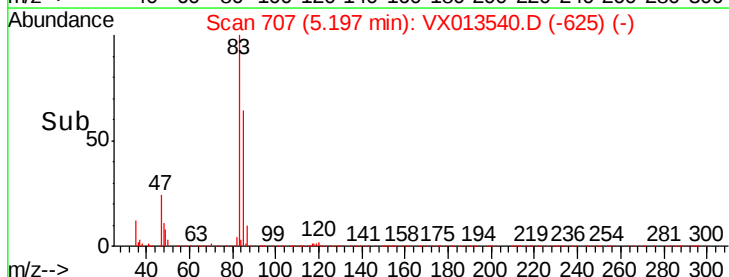
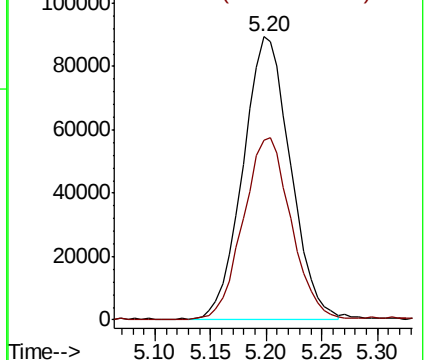
83 100

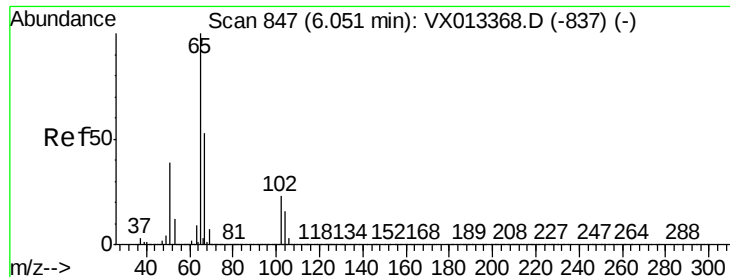
85 63.9 52.4 78.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

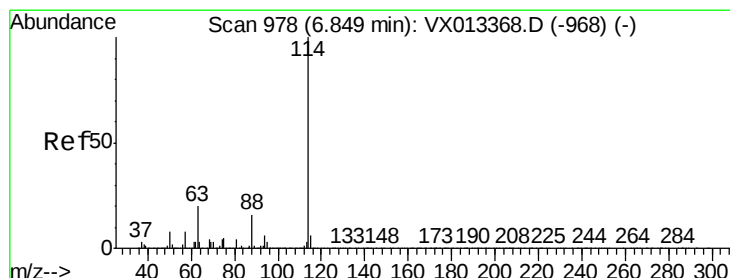
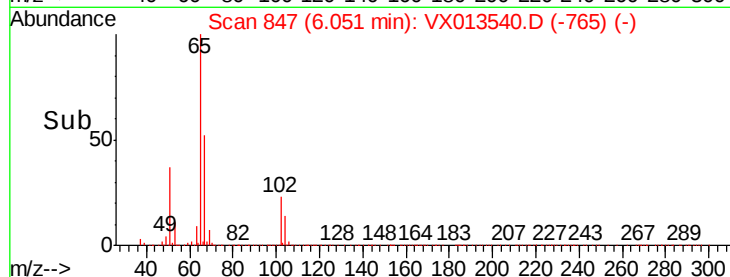
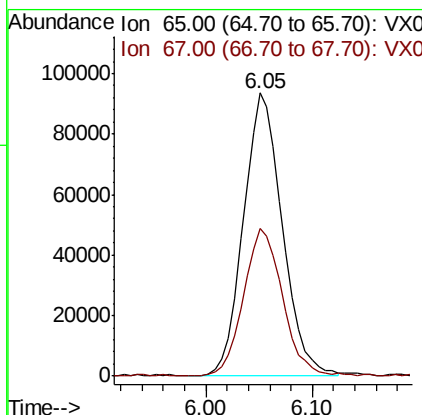
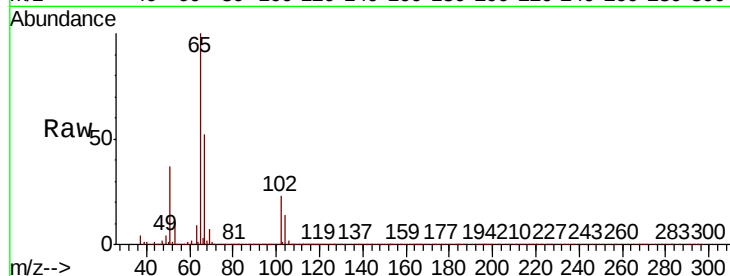




#27
 1,2-Dichloroethane-d4
 Concen: 29.867 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013540.D
 Acq: 22 Nov 2019 17:55

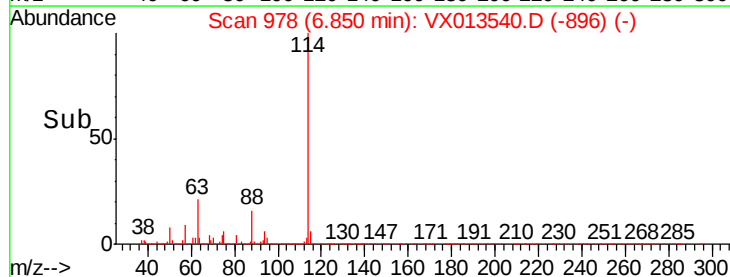
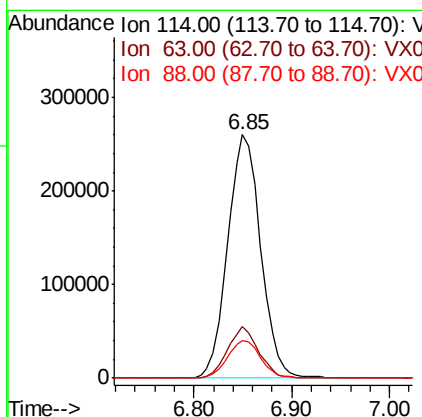
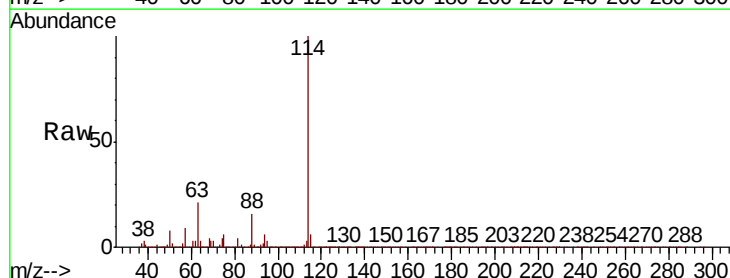
Instrument :
 MSVOA_X
 ClientSampleId :
 14B-2

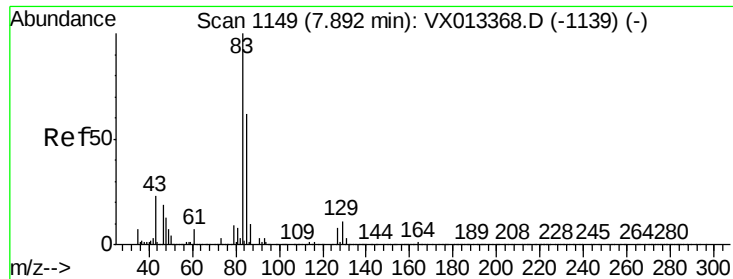
Tot Ion: 65 Resp: 239558
 Ion Ratio Lower Upper
 65 100
 67 52.3 41.0 61.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013540.D
 Acq: 22 Nov 2019 17:55

Tgt Ion: 114 Resp: 607759
 Ion Ratio Lower Upper
 114 100
 63 19.8 16.1 24.1
 88 15.5 12.3 18.5





#41

Bromodichloromethane

Concen: 3.734 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013540.D

Acq: 22 Nov 2019 17:55

Instrument :

MSVOA_X

ClientSampled :

14B-2

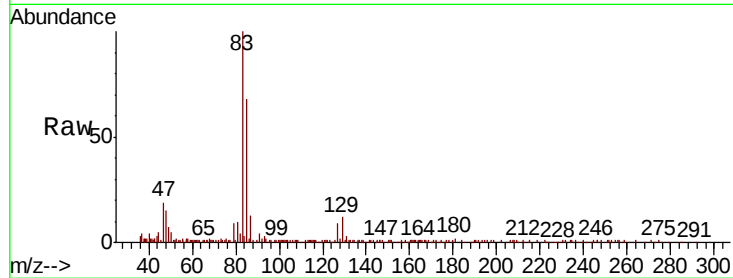
Tot Ion: 83 Resp: 35314

Ion Ratio Lower Upper

83 100

85 68.2 49.3 73.9

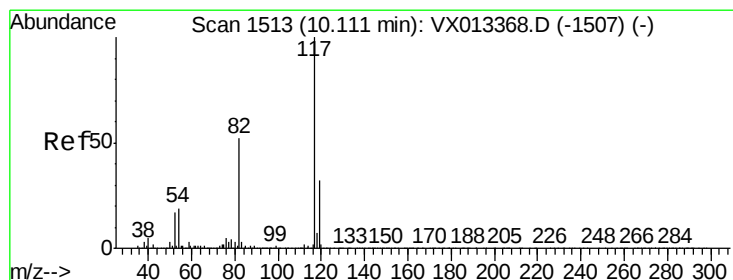
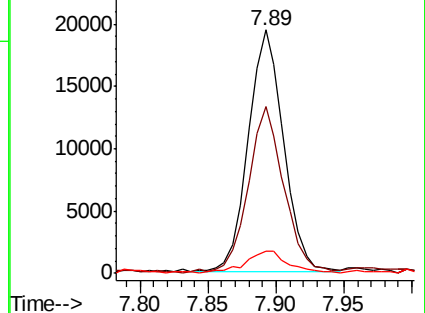
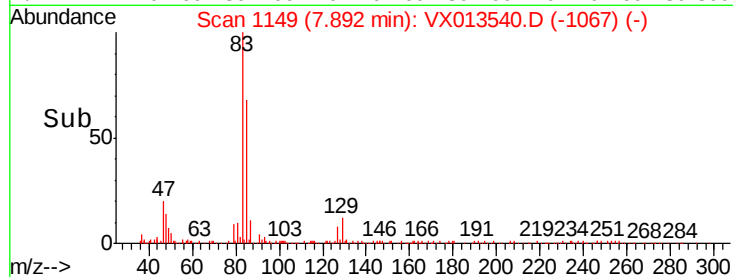
127 8.6 6.6 10.0



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: VX013540.D

Acq: 22 Nov 2019 17:55

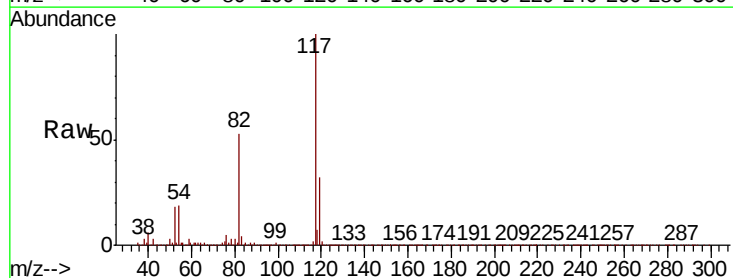
Tgt Ion:117 Resp: 523107

Ion Ratio Lower Upper

117 100

82 53.9 43.7 65.5

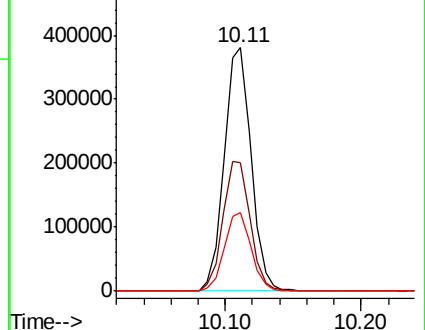
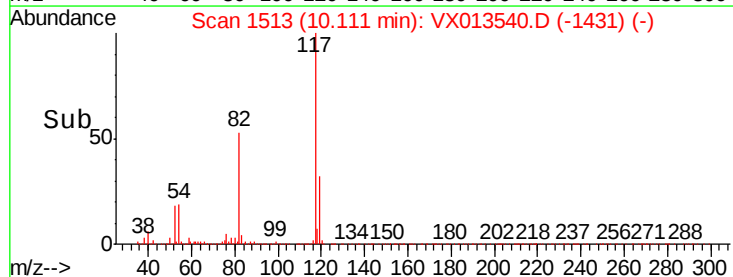
119 32.0 25.5 38.3

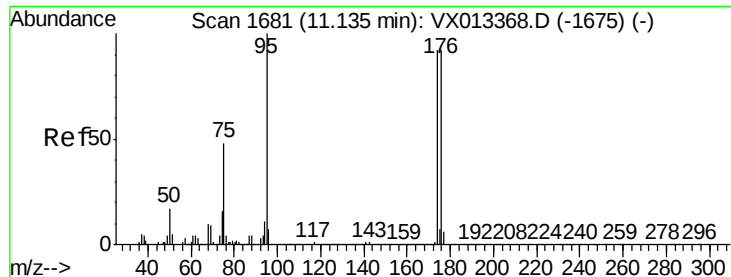


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

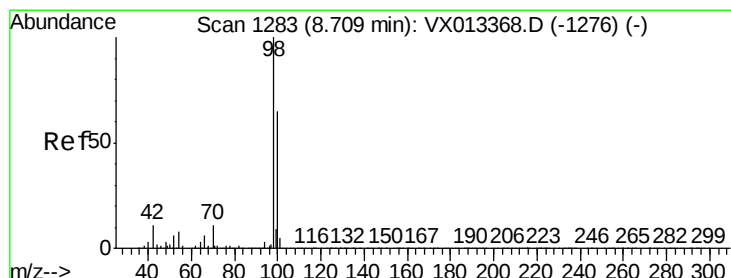
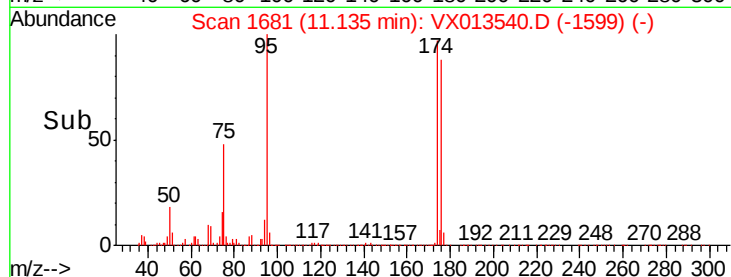
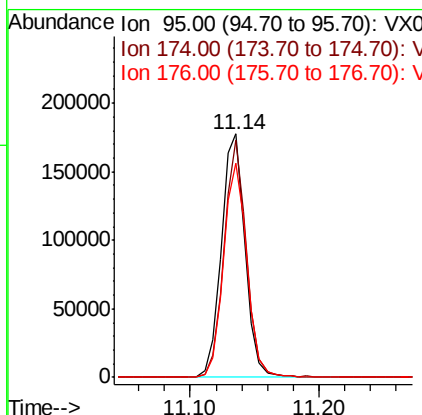
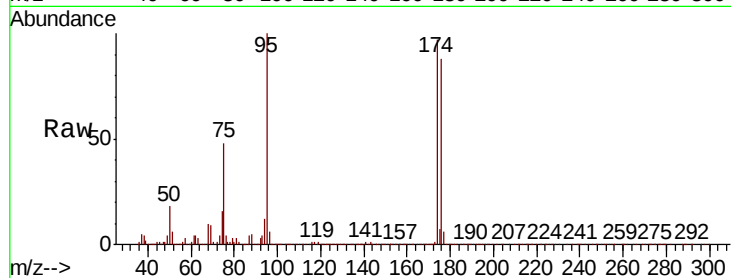




#60
4-Bromofluorobenzene
Concen: 27.335 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
14B-2

Tot Ion	Ratio	Lower	Upper
95	100		
174	91.4	70.2	105.2
176	87.3	68.3	102.5



#63
Toluene-d8
Concen: 30.339 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7

