

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\
 Data File : VX013417.D
 Acq On : 14 Nov 2019 13:16
 Operator : JC/SP
 Sample : K5834-04 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-4

Quant Time: Nov 15 22:53:10 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	107309	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	591533	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	521137	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	237558	29.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.93%
60) 4-Bromofluorobenzene	11.14	95	238723	28.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.00%
63) Toluene-d8	8.71	98	705065	29.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.73%

Target Compounds

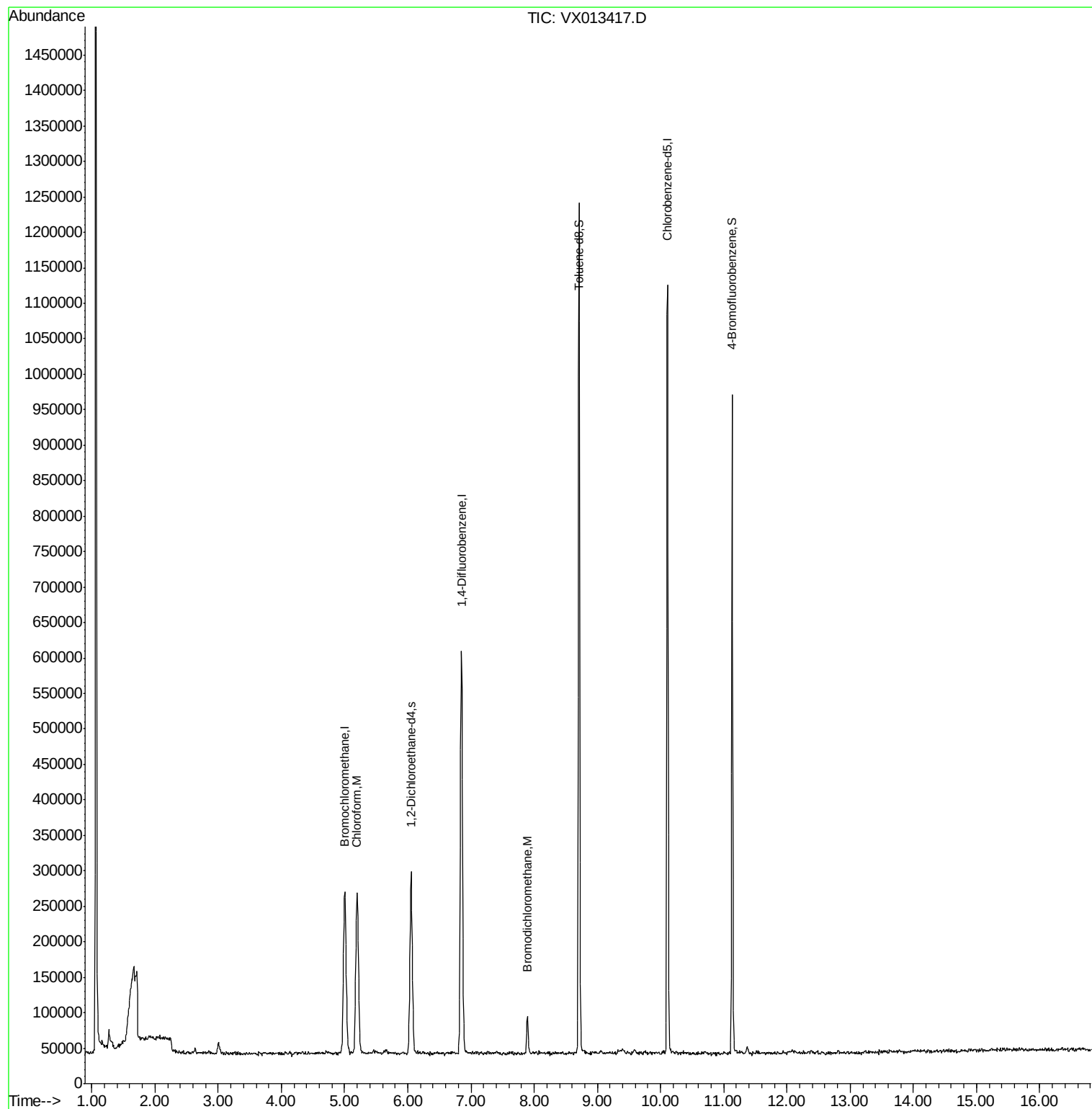
					Ovalue
25) Chloroform	5.20	83	276893	22.119	ug/l 100
41) Bromodichloromethane	7.89	83	34798	3.780	ug/l 94

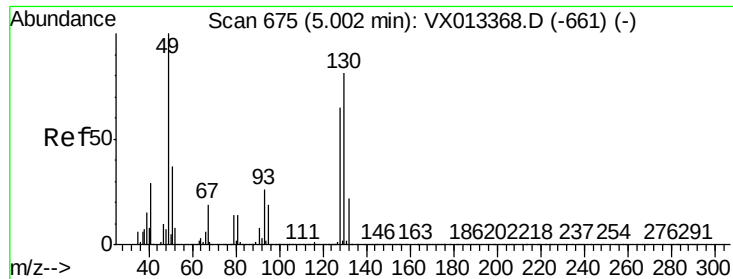
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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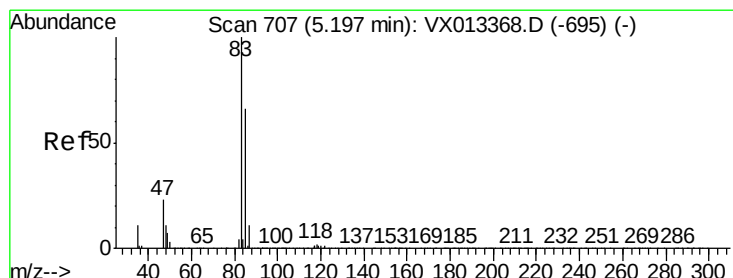
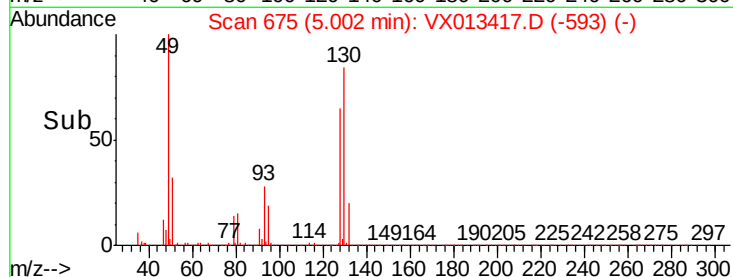
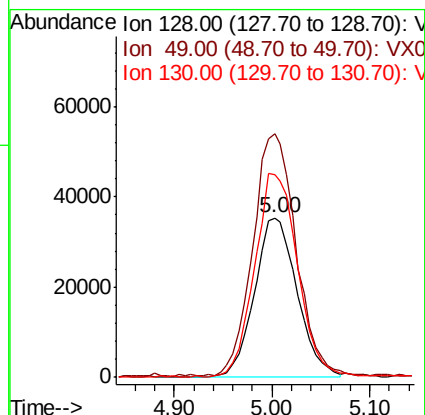
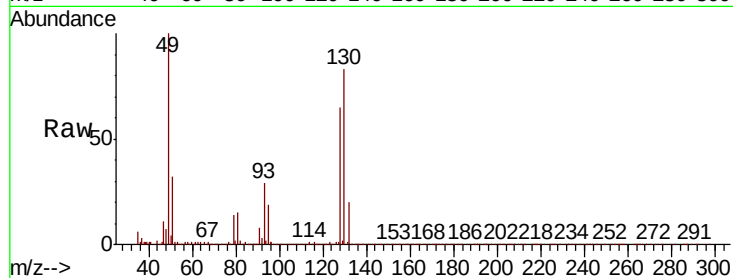




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013417.D
Acq: 14 Nov 2019 13:16

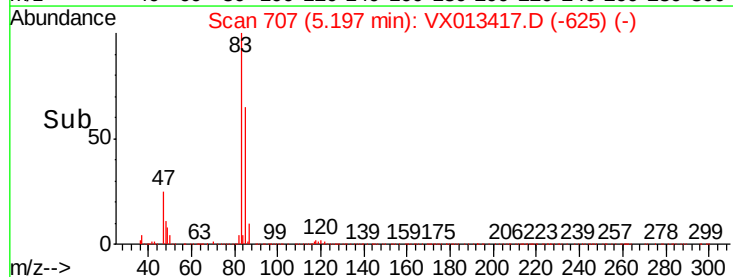
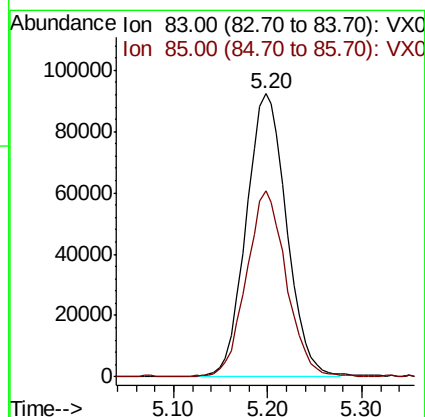
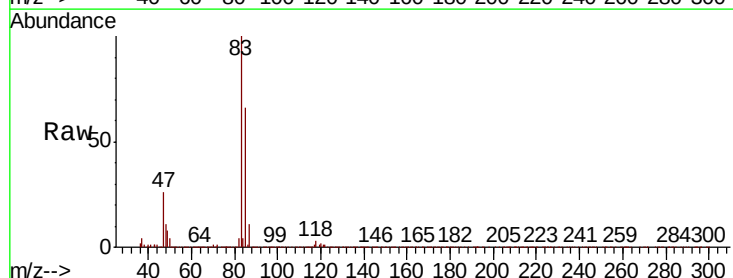
Instrument :
MSVOA_X
ClientSampleId :
14B-4

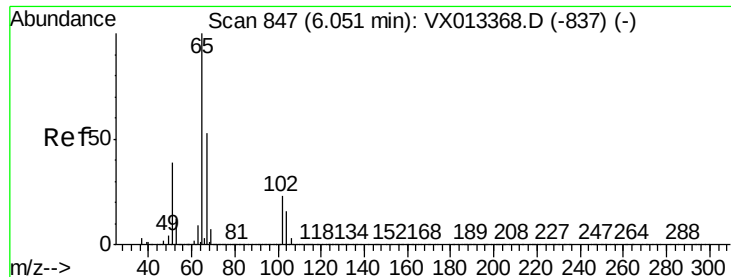
Tot Ion:128 Resp: 107309
Ion Ratio Lower Upper
128 100
49 152.5 0.0 388.3
130 128.4 0.0 318.5



#25
Chloroform
Concen: 22.119 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013417.D
Acq: 14 Nov 2019 13:16

Tgt Ion: 83 Resp: 276893
Ion Ratio Lower Upper
83 100
85 65.5 52.4 78.6

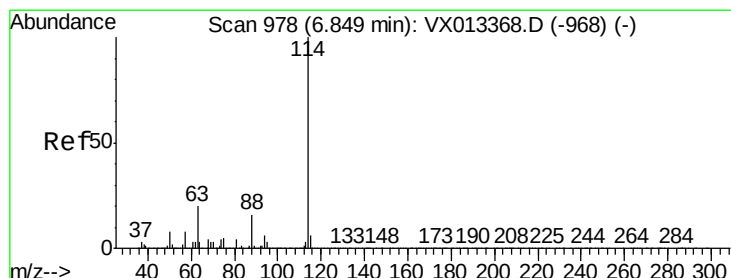
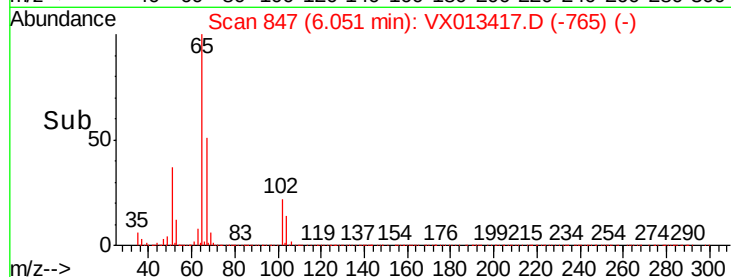
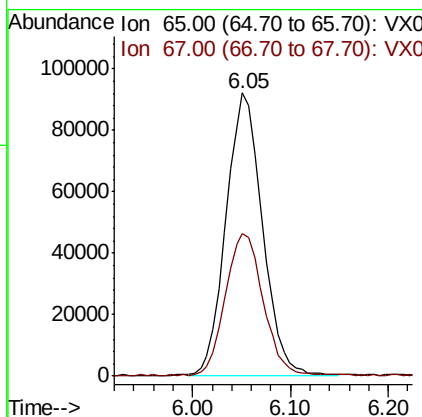
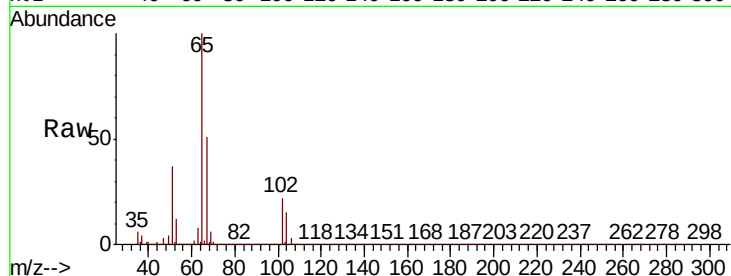




#27
 1,2-Dichloroethane-d4
 Concen: 29.980 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013417.D
 Acq: 14 Nov 2019 13:16

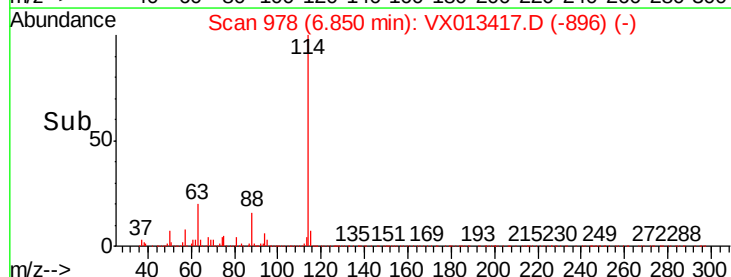
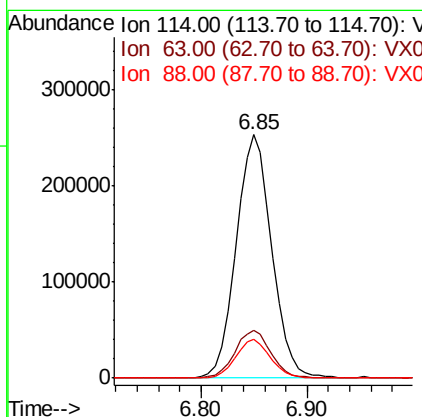
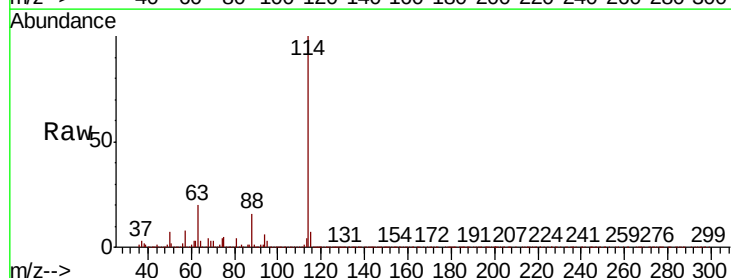
Instrument :
 MSVOA_X
 ClientSampled :
 14B-4

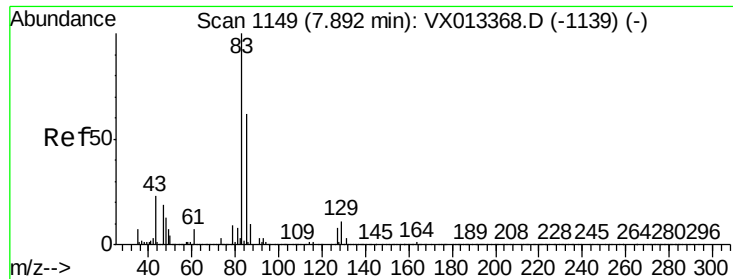
Tot Ion: 65 Resp: 237558
 Ion Ratio Lower Upper
 65 100
 67 52.2 41.0 61.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013417.D
 Acq: 14 Nov 2019 13:16

Tgt Ion: 114 Resp: 591533
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.1 24.1
 88 15.6 12.3 18.5





#41

Bromodichloromethane

Concen: 3.780 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013417.D

Acq: 14 Nov 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

14B-4

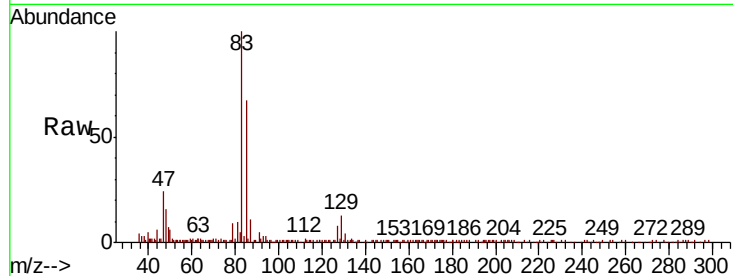
Tot Ion: 83 Resp: 34798

Ion Ratio Lower Upper

83 100

85 66.5 49.3 73.9

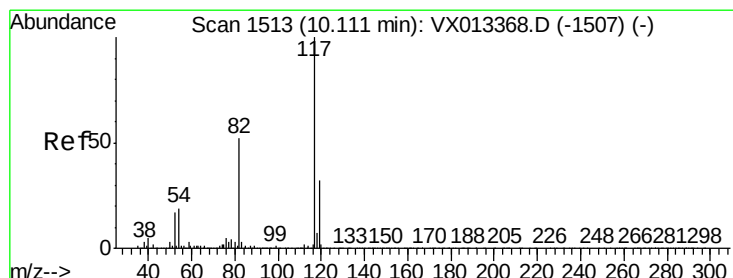
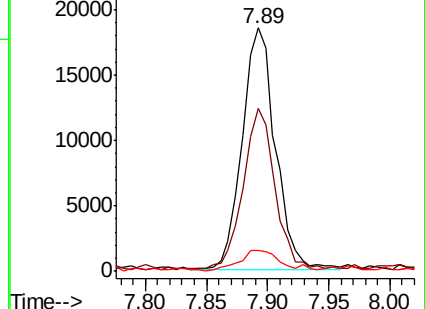
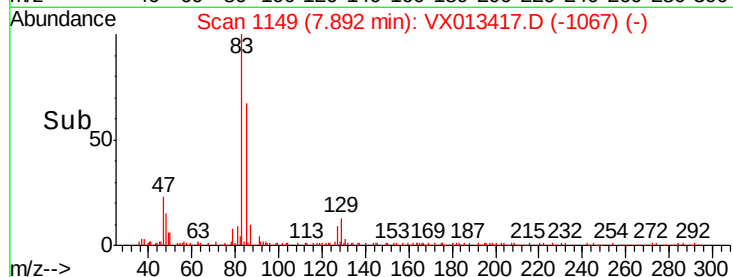
127 7.9 6.6 10.0



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: VX013417.D

Acq: 14 Nov 2019 13:16

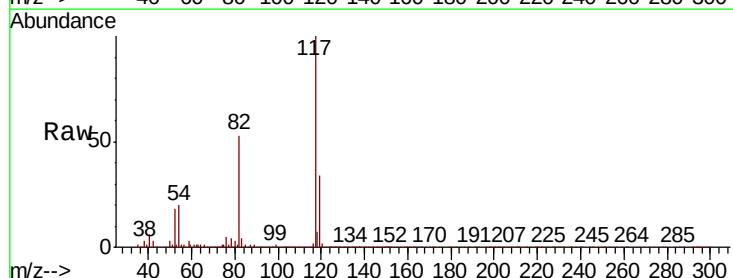
Tgt Ion: 117 Resp: 521137

Ion Ratio Lower Upper

117 100

82 53.5 43.7 65.5

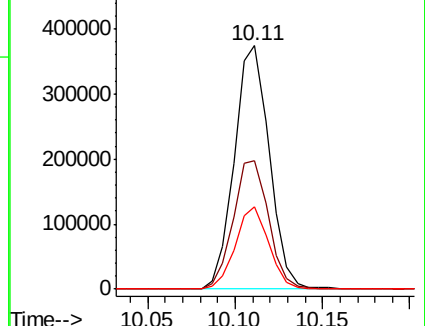
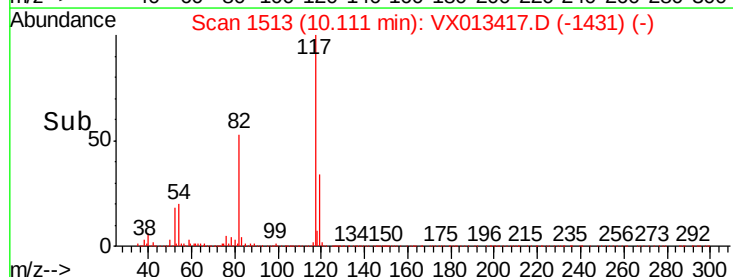
119 32.5 25.5 38.3

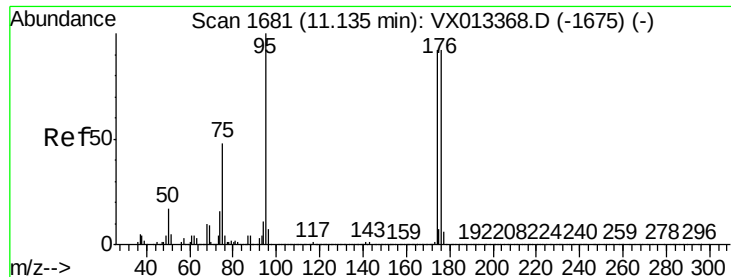


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 28.500 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013417.D

Acq: 14 Nov 2019 13:16

Instrument :

MSVOA_X

ClientSampled :

14B-4

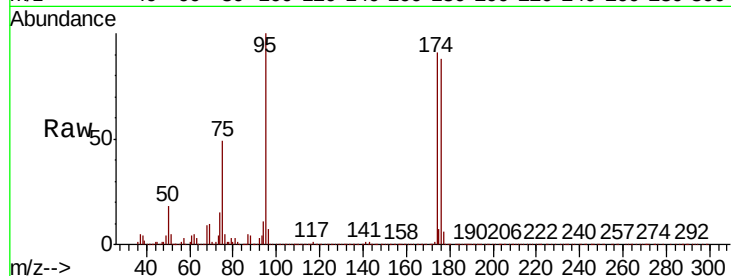
Tot Ion: 95 Resp: 238723

Ion Ratio Lower Upper

95 100

174 88.5 70.2 105.2

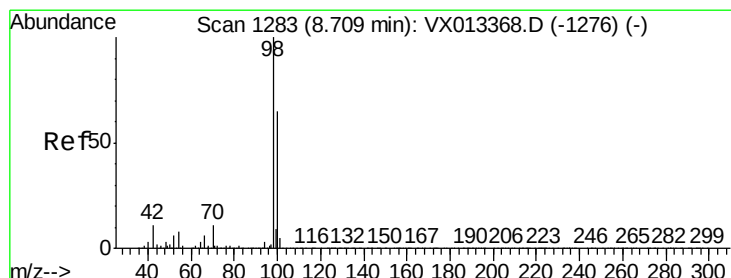
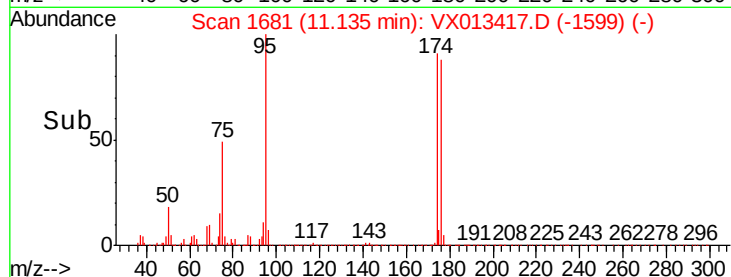
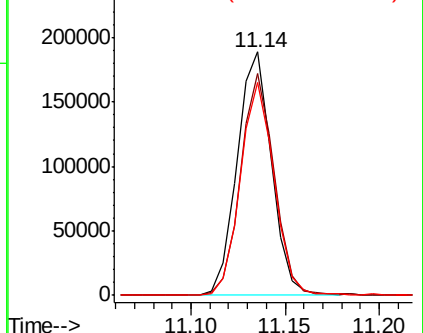
176 85.9 68.3 102.5



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: 29.919 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013417.D

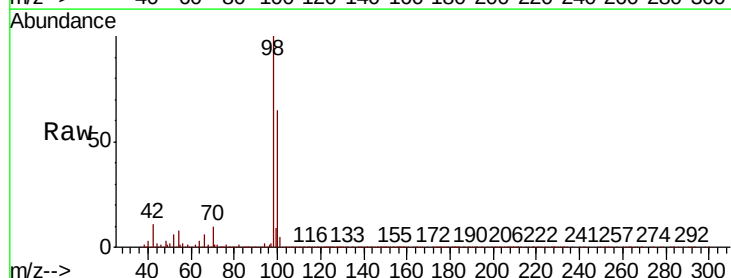
Acq: 14 Nov 2019 13:16

Tgt Ion: 98 Resp: 705065

Ion Ratio Lower Upper

98 100

100 65.0 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

