

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\
 Data File : VX013415.D
 Acq On : 14 Nov 2019 12:29
 Operator : JC/SP
 Sample : K5834-02 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-2

Quant Time: Nov 15 22:44:28 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	106099	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	590285	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	520201	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	231374	29.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.43%
60) 4-Bromofluorobenzene	11.14	95	233816	27.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.20%
63) Toluene-d8	8.71	98	703571	29.91	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.70%

Target Compounds

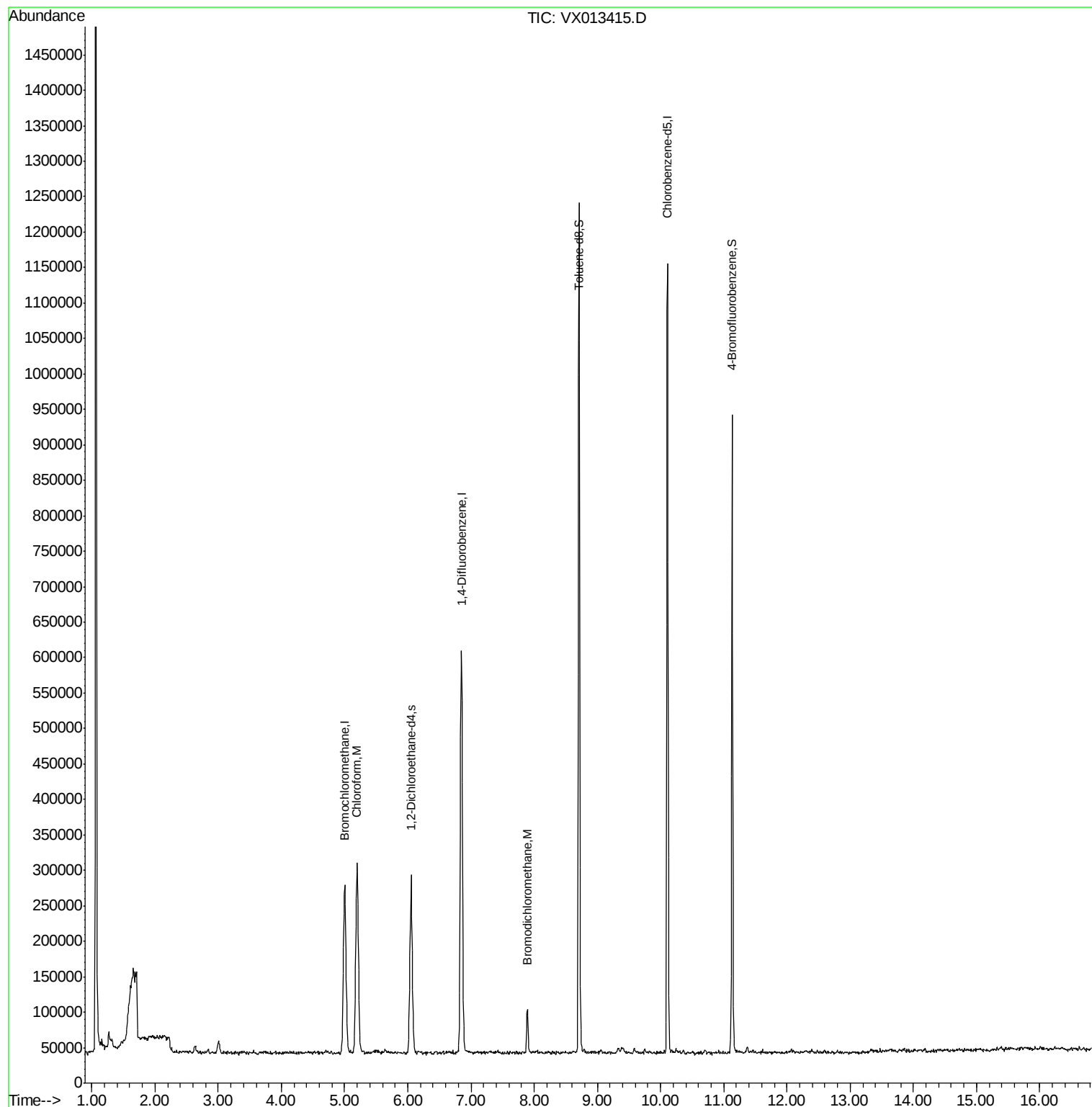
					Ovalue	
25) Chloroform	5.20	83	309443	25.001	ug/l	96
41) Bromodichloromethane	7.89	83	39558	4.306	ug/l	94

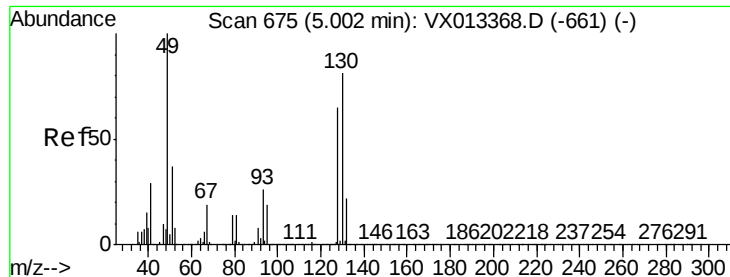
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013415.D

Acq: 14 Nov 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

14B-2

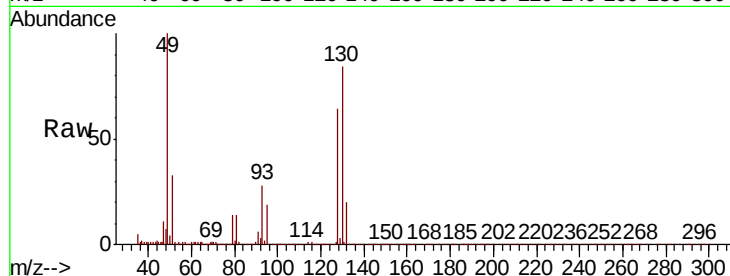
Tot Ion:128 Resp: 106099

Ion Ratio Lower Upper

128 100

49 156.1 0.0 388.3

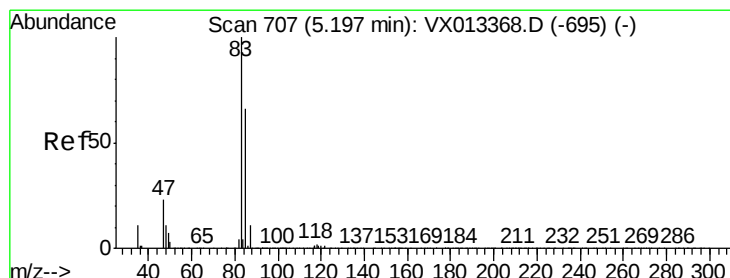
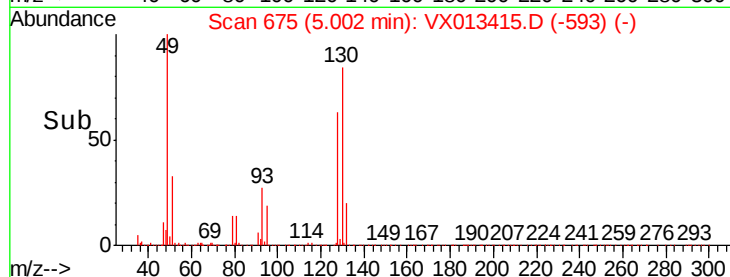
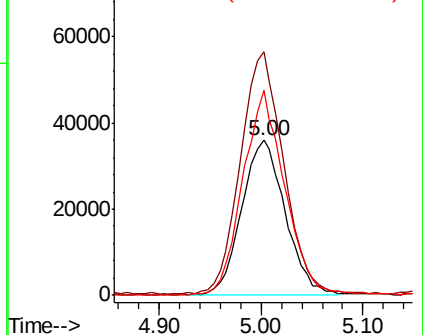
130 127.8 0.0 318.5



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: 25.001 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013415.D

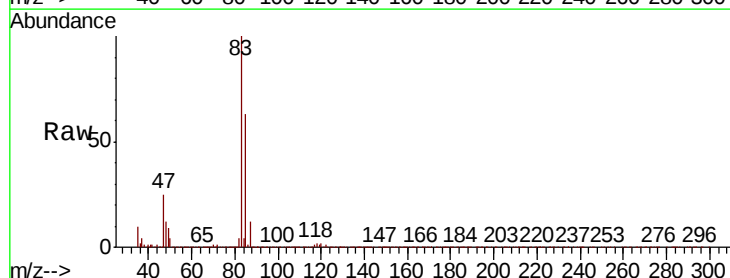
Acq: 14 Nov 2019 12:29

Tgt Ion: 83 Resp: 309443

Ion Ratio Lower Upper

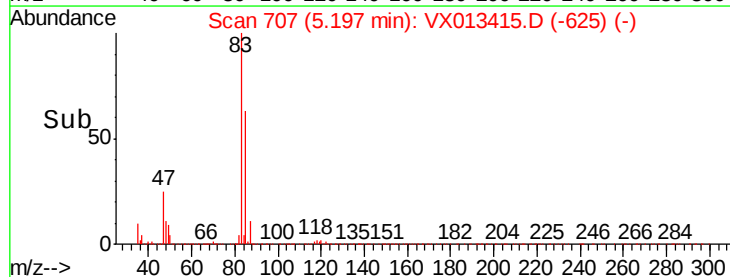
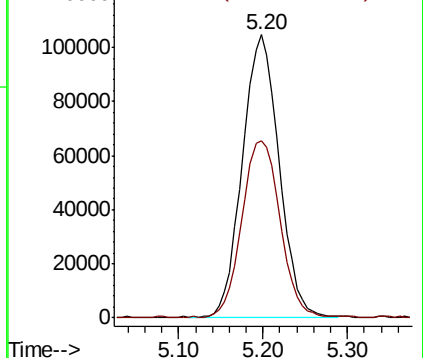
83 100

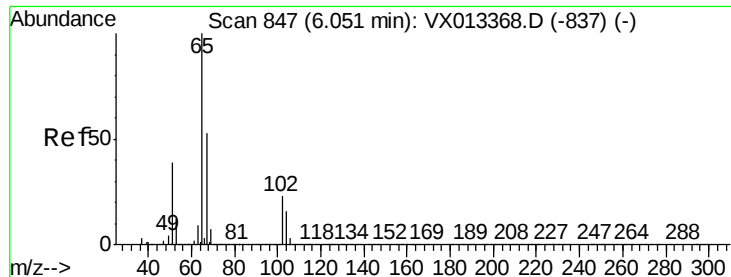
85 62.7 52.4 78.6



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: 29.532 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013415.D

Acq: 14 Nov 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

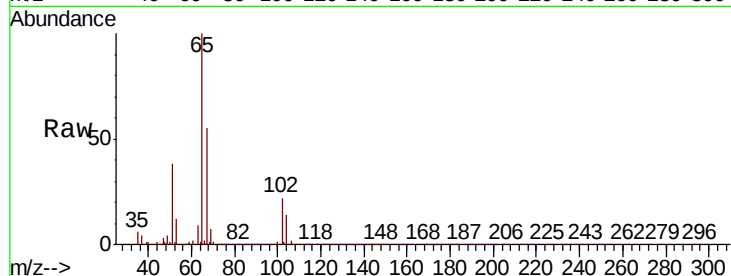
14B-2

Tot Ion: 65 Resp: 231374

Ion Ratio Lower Upper

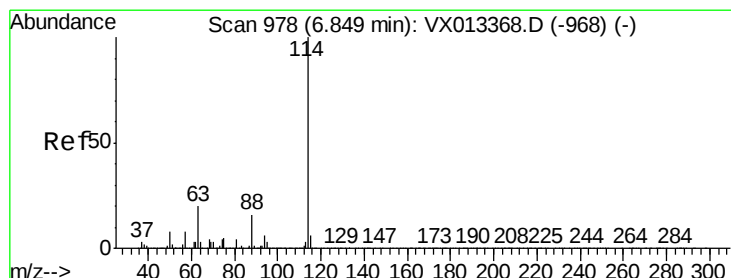
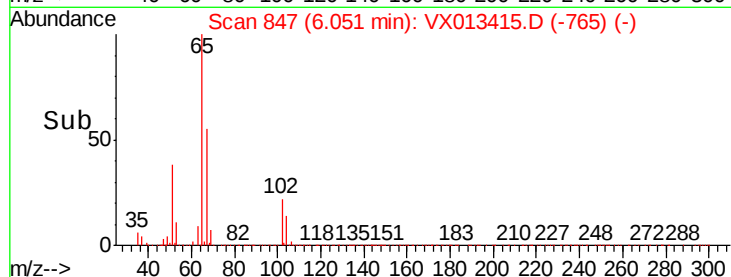
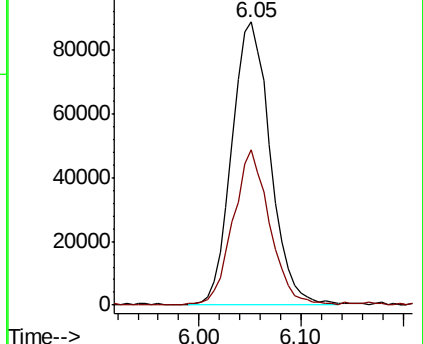
65 100

67 52.0 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: VX013415.D

Acq: 14 Nov 2019 12:29

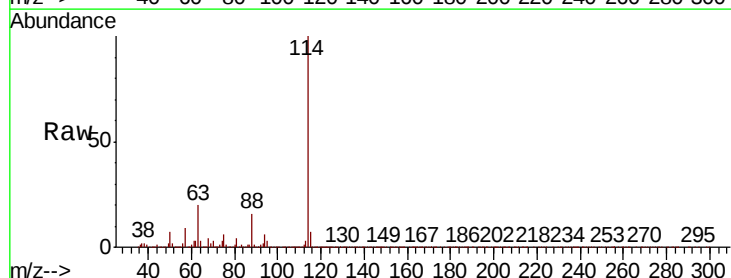
Tgt Ion: 114 Resp: 590285

Ion Ratio Lower Upper

114 100

63 20.0 16.1 24.1

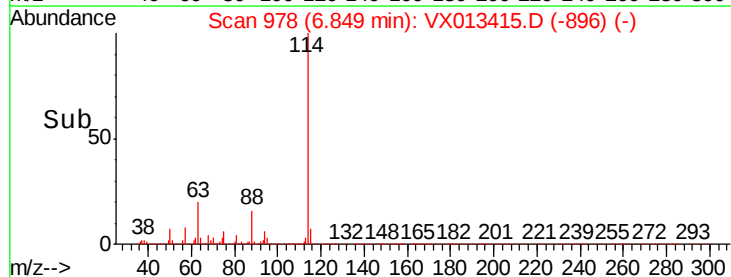
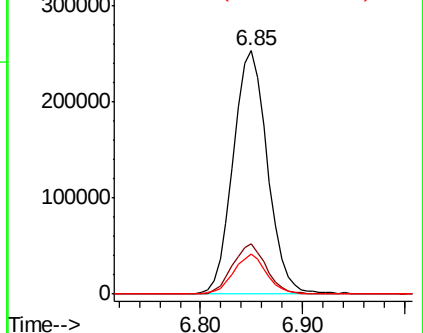
88 15.8 12.3 18.5

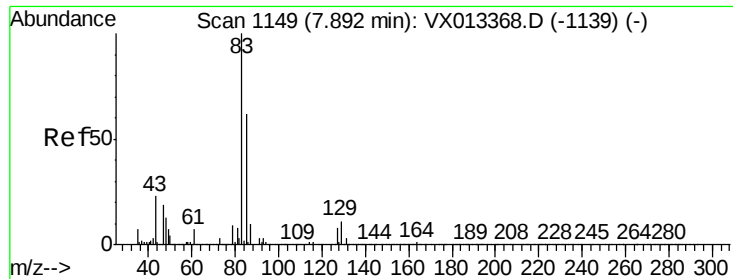


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#41

Bromodichloromethane

Concen: 4.306 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013415.D

Acq: 14 Nov 2019 12:29

Instrument :

MSVOA_X

ClientSampled :

14B-2

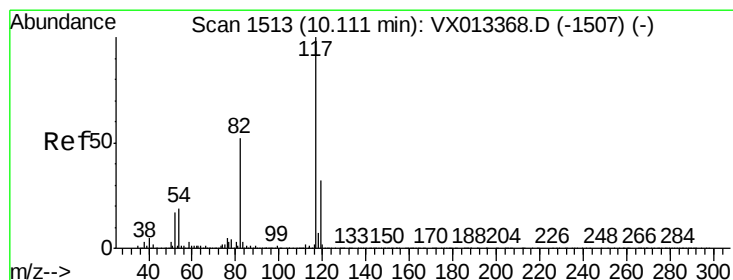
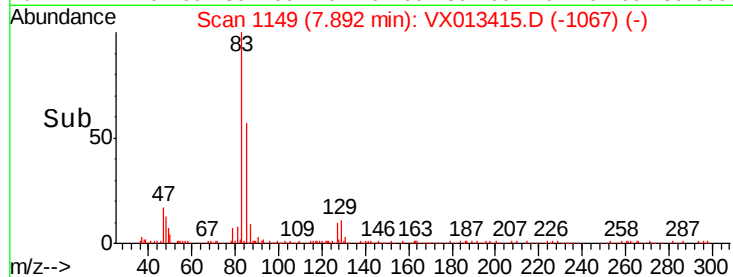
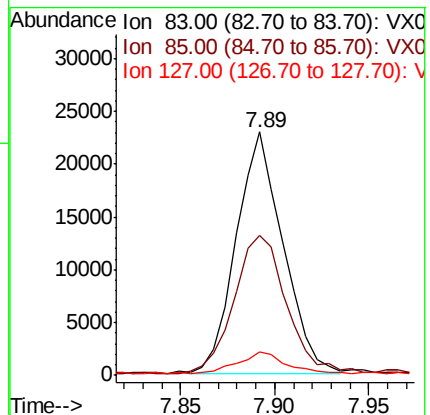
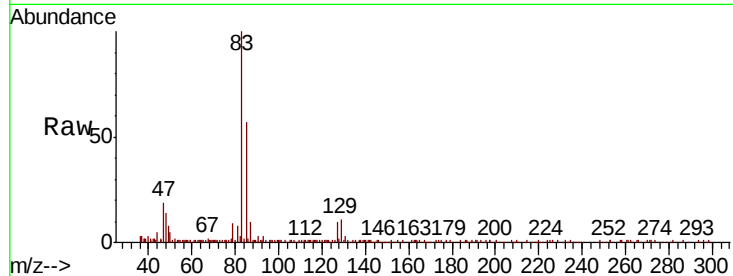
Tot Ion: 83 Resp: 39558

Ion Ratio Lower Upper

83 100

85 56.3 49.3 73.9

127 9.2 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: VX013415.D

Acq: 14 Nov 2019 12:29

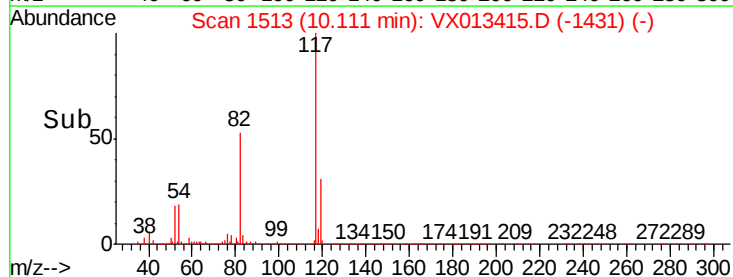
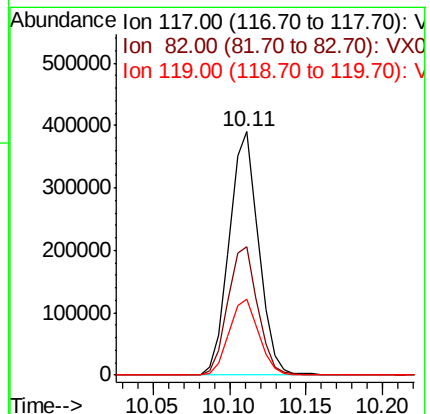
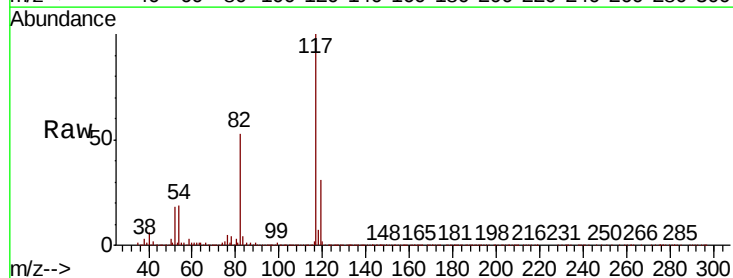
Tgt Ion: 117 Resp: 520201

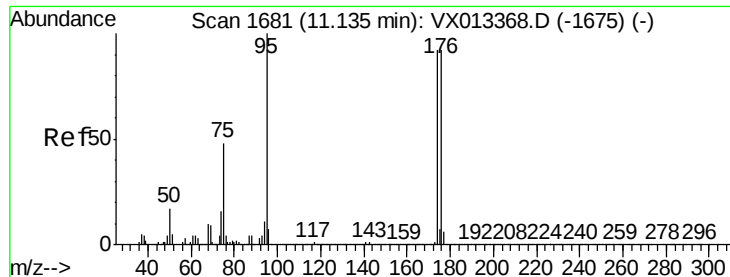
Ion Ratio Lower Upper

117 100

82 53.5 43.7 65.5

119 31.7 25.5 38.3

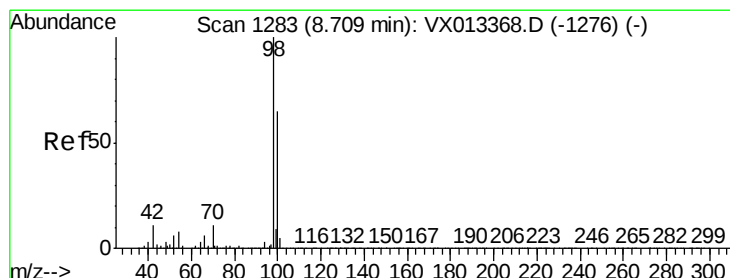
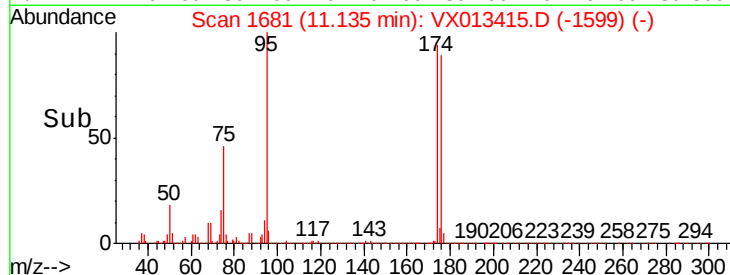
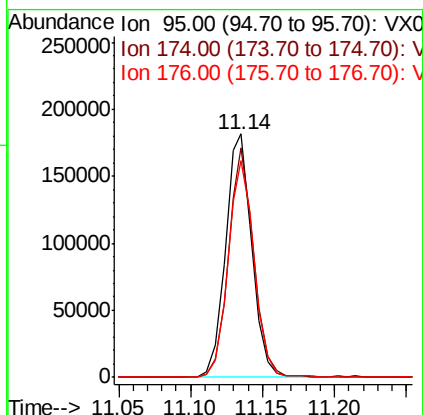
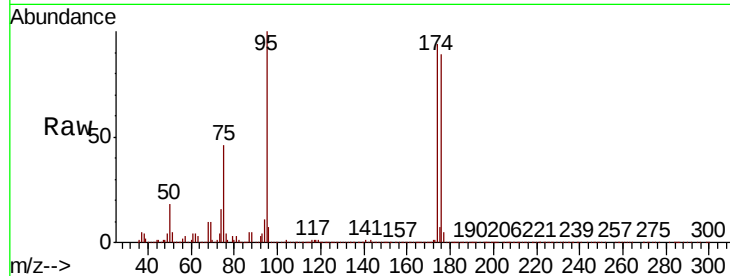




#60
4-Bromofluorobenzene
Concen: 27.965 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013415.D
Acq: 14 Nov 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
14B-2

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.7	70.2	105.2
176	87.8	68.3	102.5



#63
Toluene-d8
Concen: 29.909 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013415.D
Acq: 14 Nov 2019 12:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.5	78.7

