

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013428.D
 Acq On : 14 Nov 2019 18:07
 Operator : JC/SP
 Sample : K5859-01 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

Quant Time: Nov 15 09:23:55 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	4.99	128	118802	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.84	114	670382	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	590273	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	262666	29.94	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.80%
60) 4-Bromofluorobenzene	11.13	95	275740	29.06	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.87%
63) Toluene-d8	8.70	98	800437	29.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.97%

Target Compounds

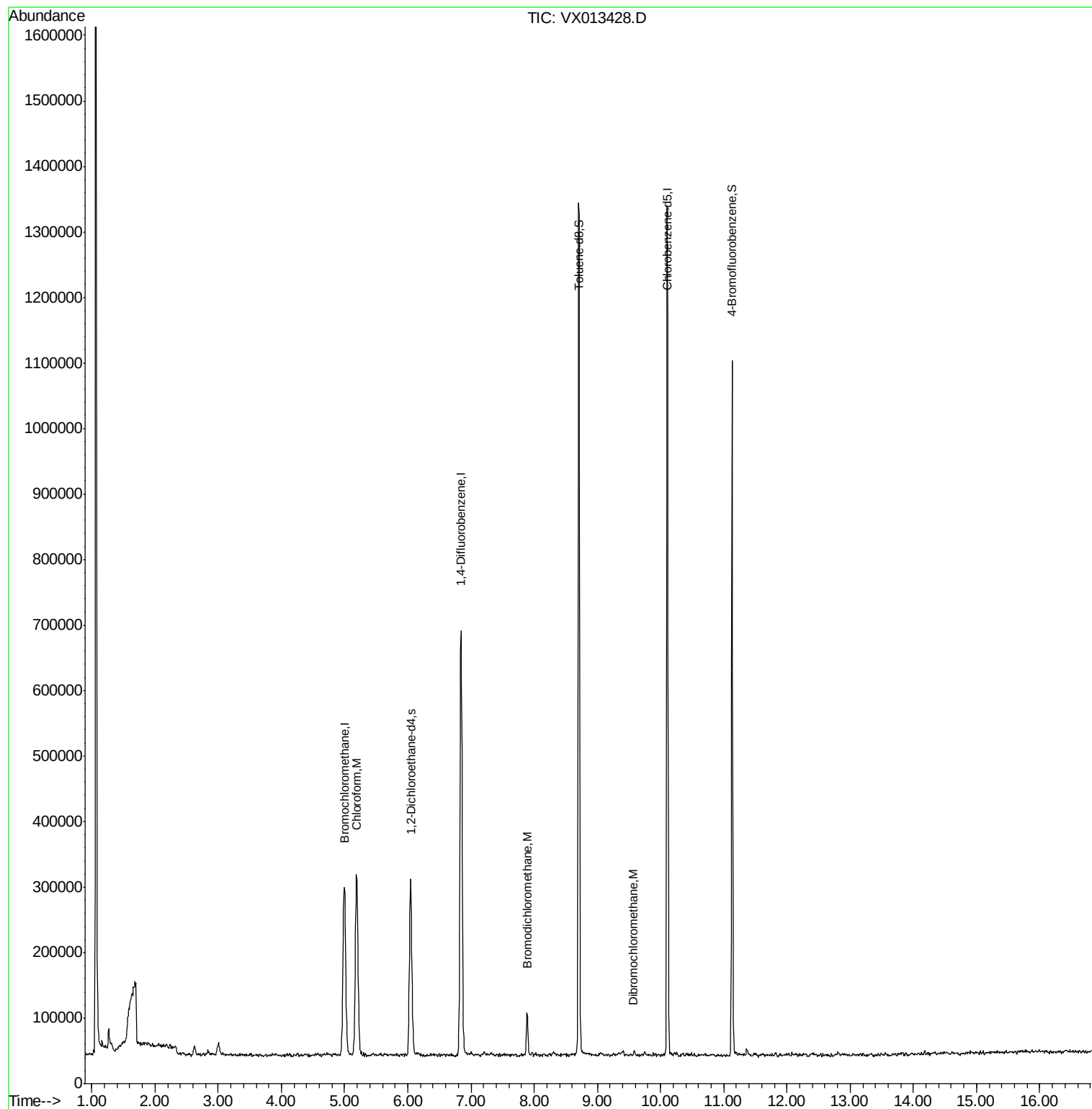
					Ovalue
25) Chloroform	5.19	83	324706	23.429 ug/l	99
41) Bromodichloromethane	7.89	83	42405	4.065 ug/l	96
53) Dibromochloromethane	9.57	129	2806	0.335 ug/l	100

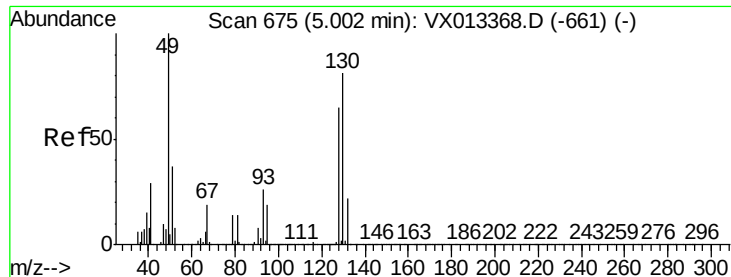
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.99 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX013428.D

Acq: 14 Nov 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

14B-1

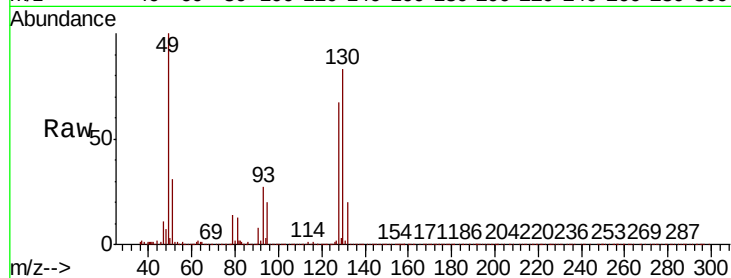
Tot Ion:128 Resp: 118802

Ion Ratio Lower Upper

128 100

49 158.3 0.0 388.3

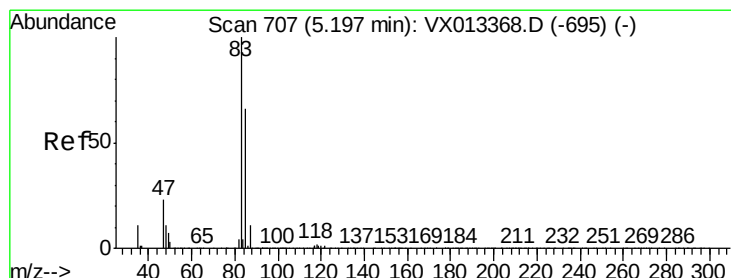
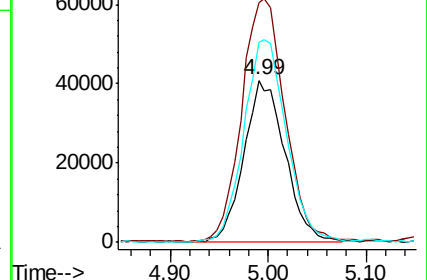
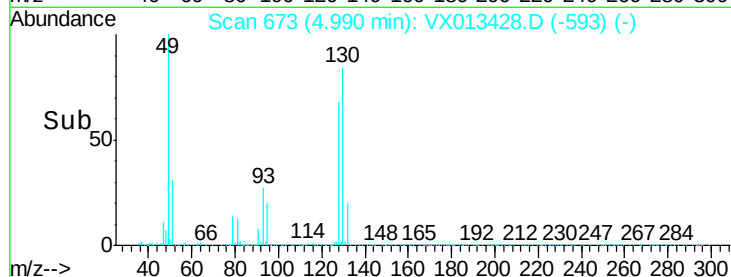
130 129.8 0.0 318.5



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: 23.429 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX013428.D

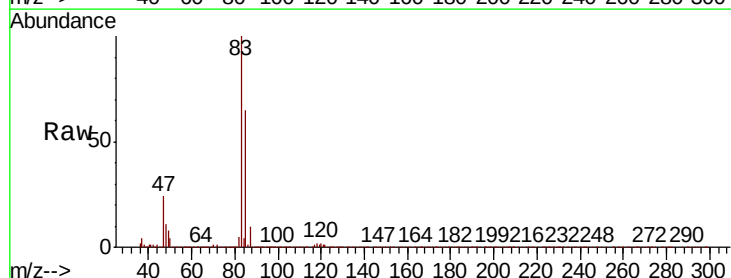
Acq: 14 Nov 2019 18:07

Tgt Ion: 83 Resp: 324706

Ion Ratio Lower Upper

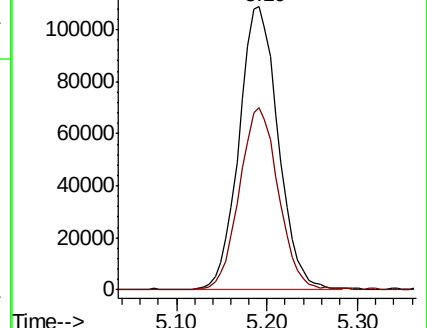
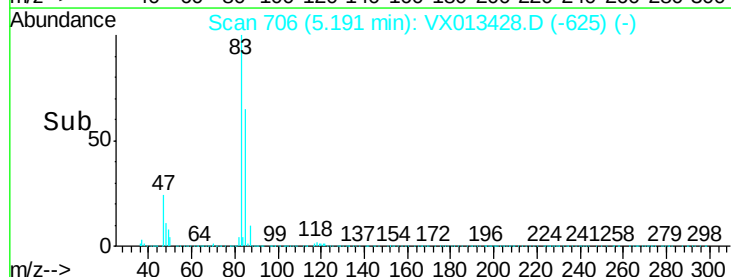
83 100

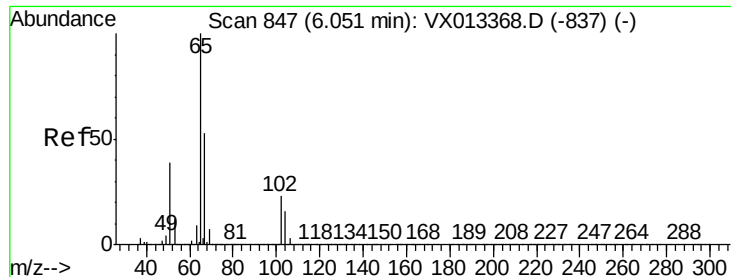
85 64.7 52.4 78.6



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: 29.942 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013428.D

Acq: 14 Nov 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

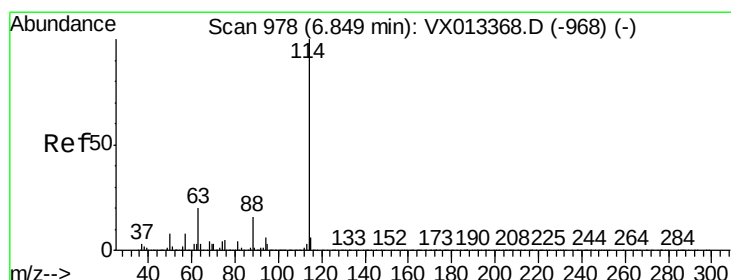
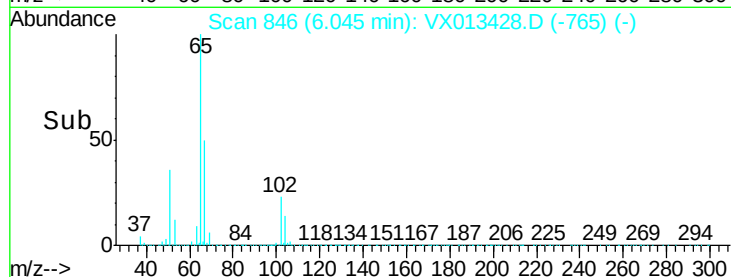
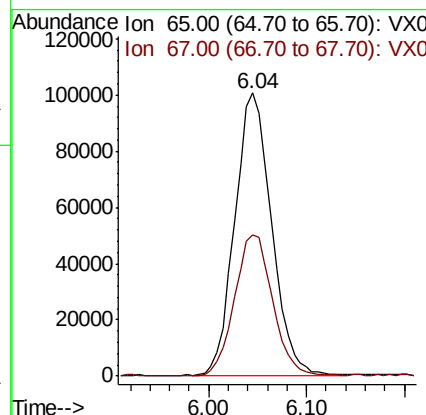
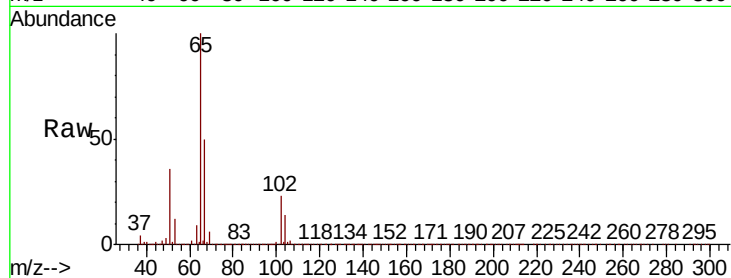
14B-1

Tot Ion: 65 Resp: 262666

Ion Ratio Lower Upper

65 100

67 51.8 41.0 61.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013428.D

Acq: 14 Nov 2019 18:07

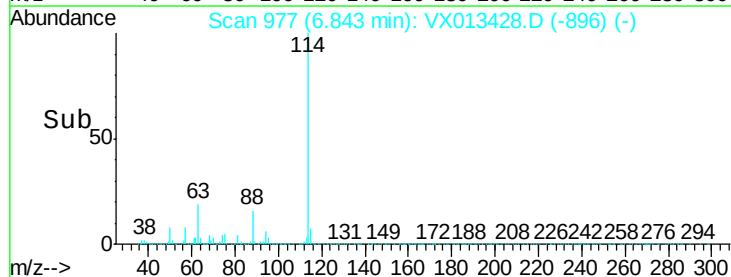
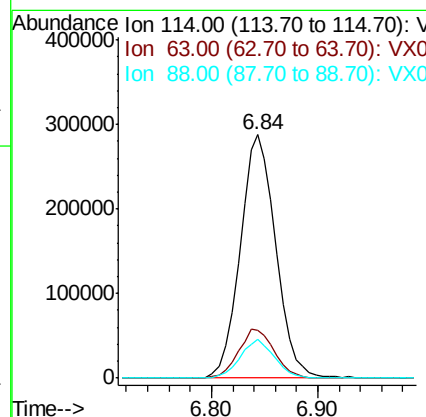
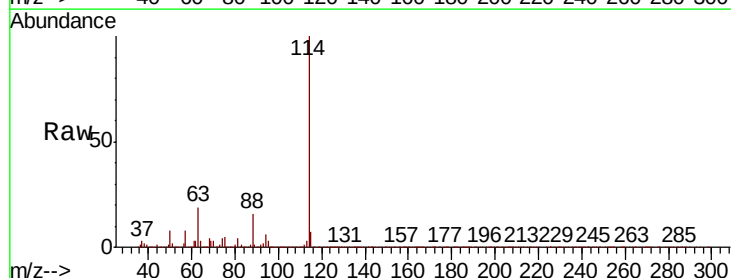
Tgt Ion: 114 Resp: 670382

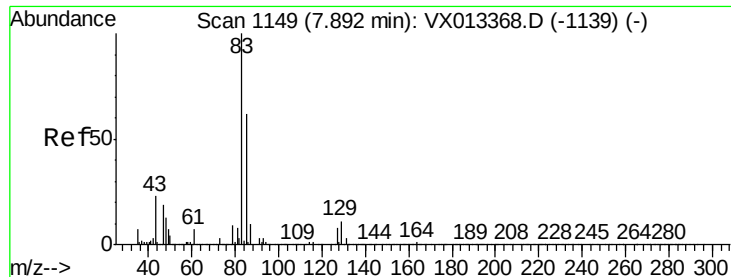
Ion Ratio Lower Upper

114 100

63 20.1 16.1 24.1

88 15.7 12.3 18.5





#41

Bromodichloromethane

Concen: 4.065 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013428.D

Acq: 14 Nov 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

14B-1

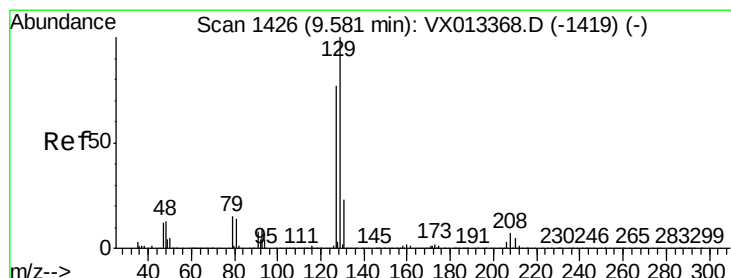
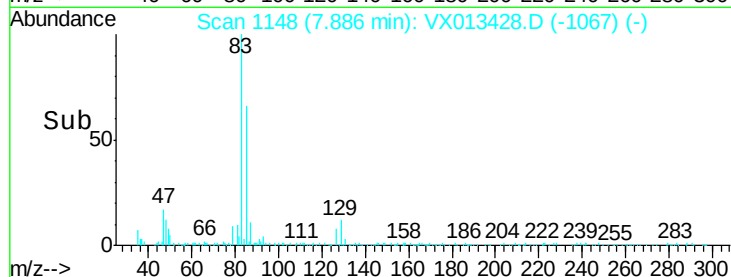
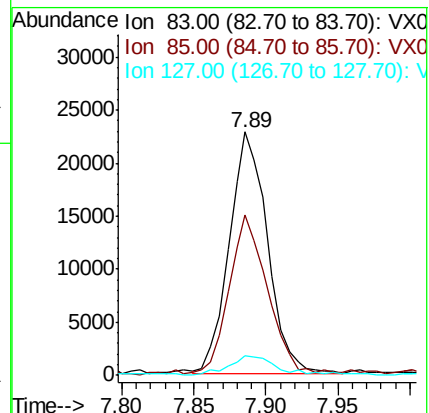
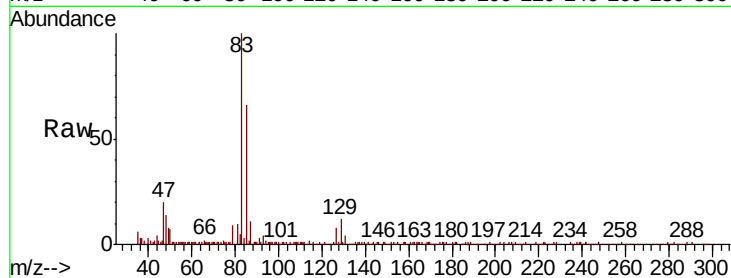
Tot Ion: 83 Resp: 42405

Ion Ratio Lower Upper

83 100

85 65.3 49.3 73.9

127 7.9 6.6 10.0



#53

Dibromochloromethane

Concen: 0.335 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX013428.D

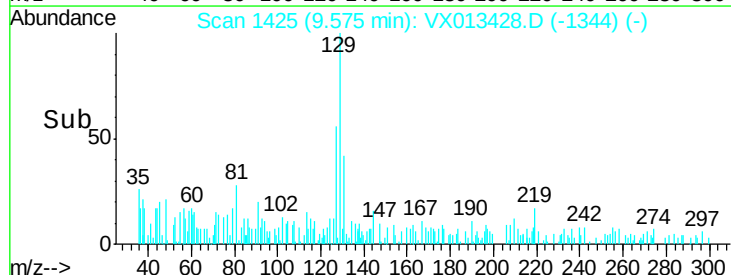
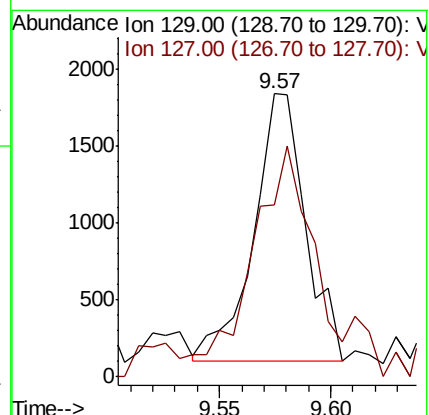
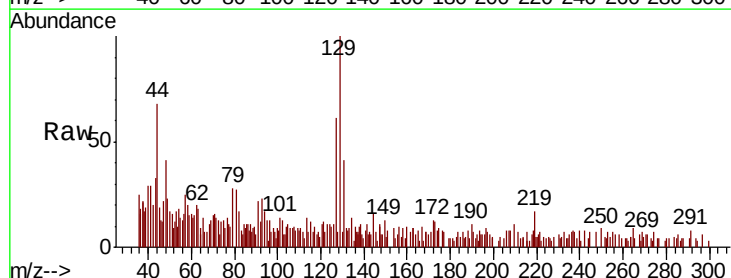
Acq: 14 Nov 2019 18:07

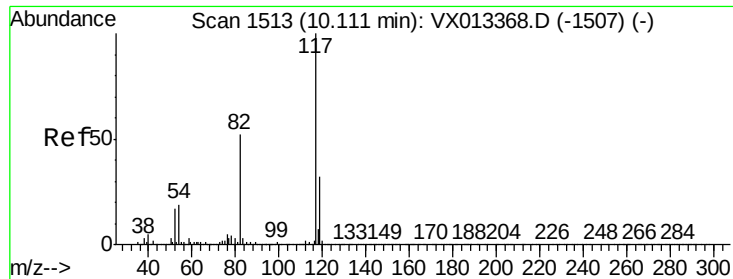
Tgt Ion: 129 Resp: 2806

Ion Ratio Lower Upper

129 100

127 79.6 39.6 119.0

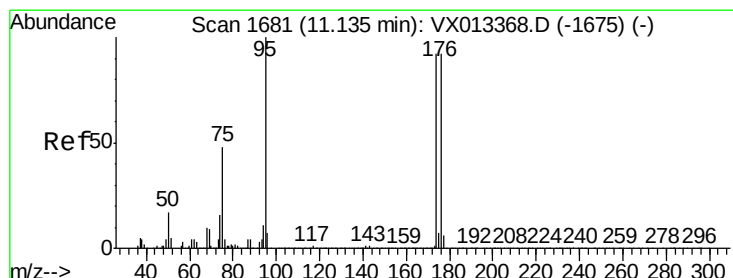
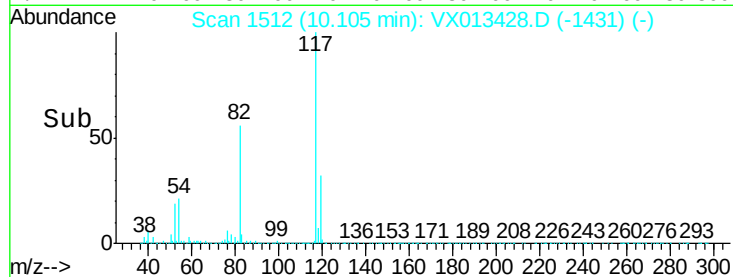
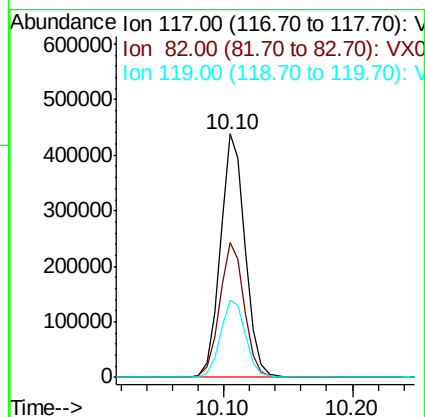
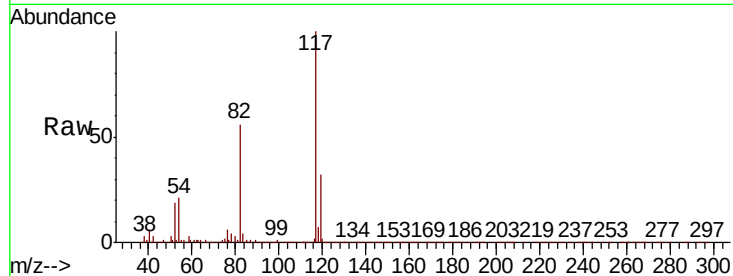




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013428.D
Acq: 14 Nov 2019 18:07

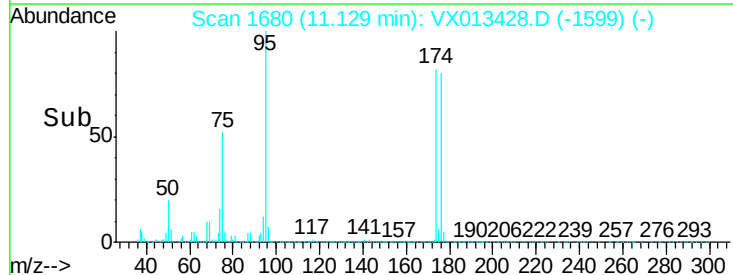
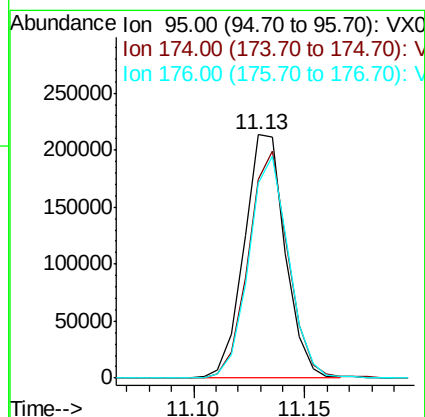
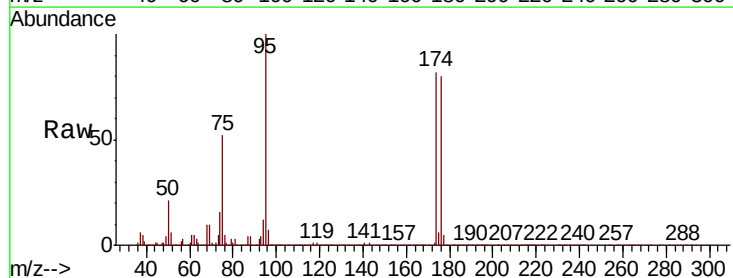
Instrument :
MSVOA_X
ClientSampled :
14B-1

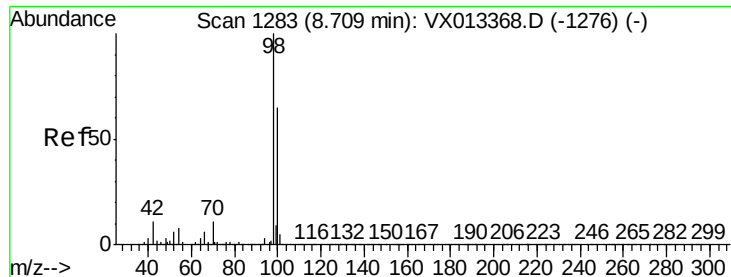
Tot Ion:117 Resp: 590273
Ion Ratio Lower Upper
117 100
82 54.9 43.7 65.5
119 32.4 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 29.064 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013428.D
Acq: 14 Nov 2019 18:07

Tgt Ion: 95 Resp: 275740
Ion Ratio Lower Upper
95 100
174 89.7 70.2 105.2
176 88.5 68.3 102.5





#63

Toluene-d8

Concen: 29.988 ug/l

RT: 8.70 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VX013428.D

Acq: 14 Nov 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

14B-1

Tot Ion: 98 Resp: 800437

Ion Ratio Lower Upper

98 100

100 65.1 52.5 78.7

