

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013431.D
 Acq On : 14 Nov 2019 19:17
 Operator : JC/SP
 Sample : K5859-04 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-4

Quant Time: Nov 15 09:25:26 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	114564	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	622023	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	540933	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	245156	28.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.60%
60) 4-Bromofluorobenzene	11.13	95	241961	27.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.77%
63) Toluene-d8	8.71	98	740626	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

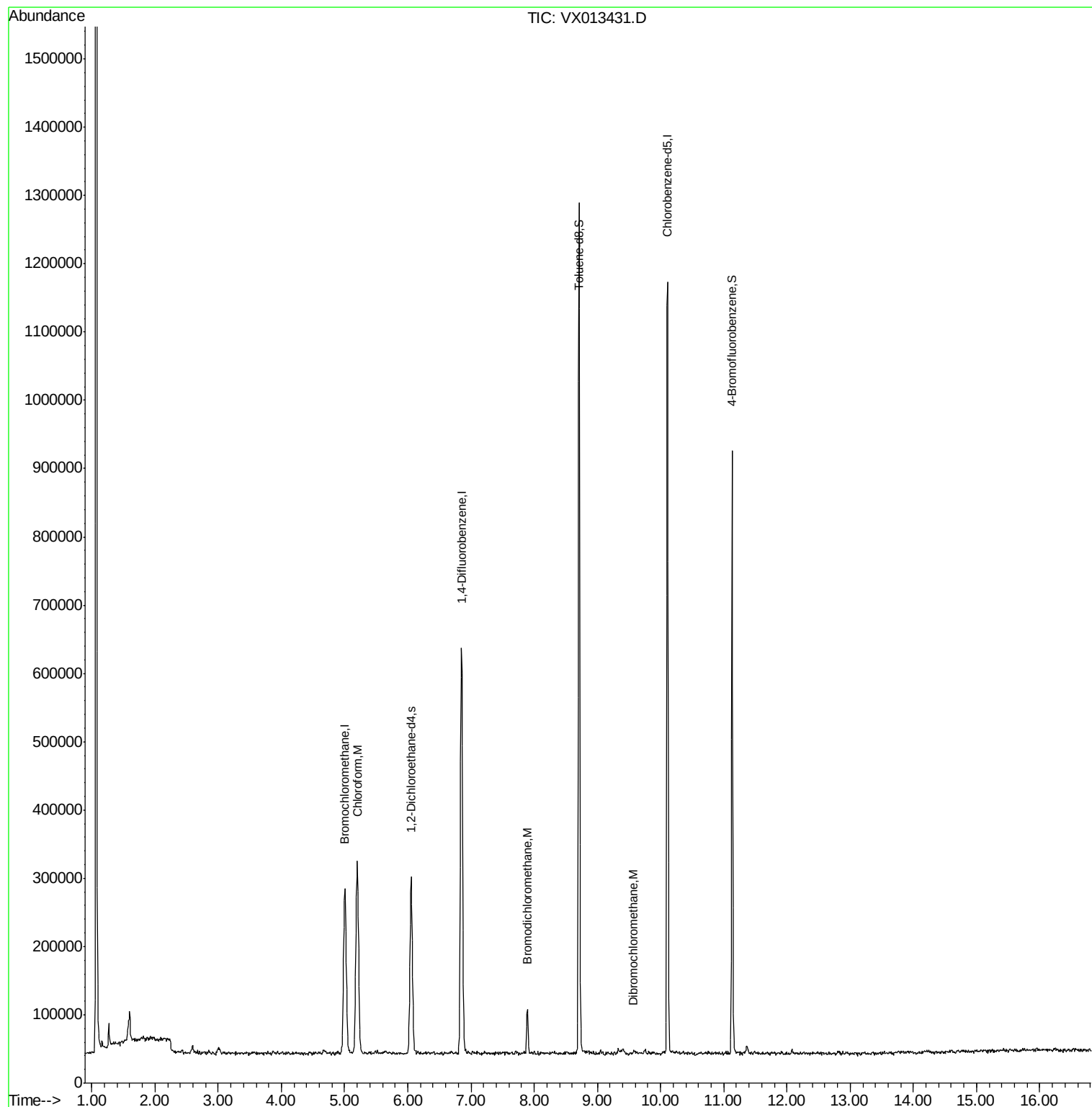
					Ovalue	
25) Chloroform	5.20	83	337436	25.248	ug/l	99
41) Bromodichloromethane	7.89	83	43390	4.482	ug/l #	96
53) Dibromochloromethane	9.58	129	2963	0.381	ug/l	92

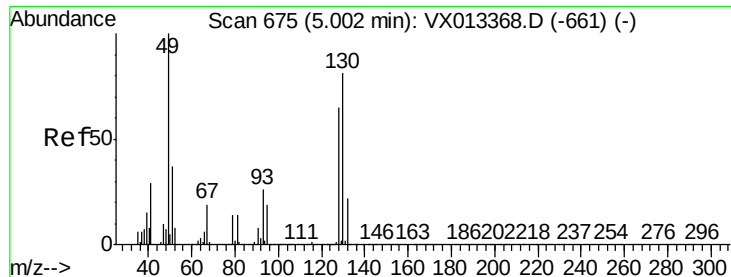
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013431.D

Acq: 14 Nov 2019 19:17

Instrument :

MSVOA_X

ClientSampleId :

14B-4

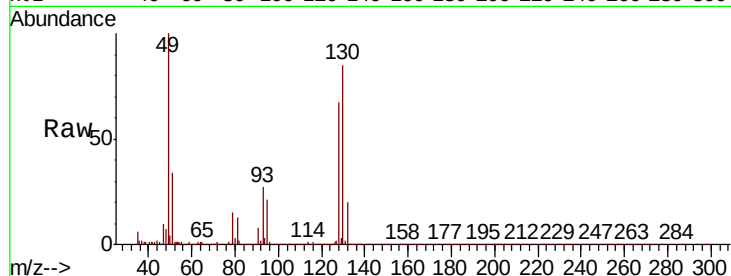
Tot Ion:128 Resp: 114564

Ion Ratio Lower Upper

128 100

49 152.5 0.0 388.3

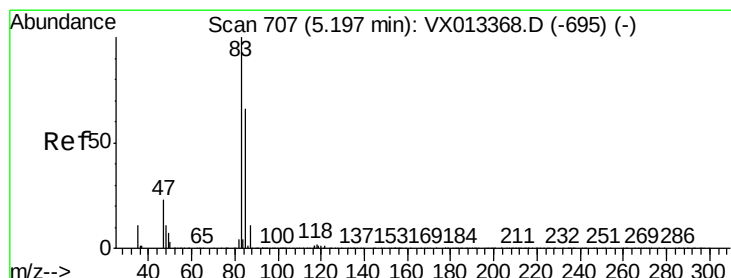
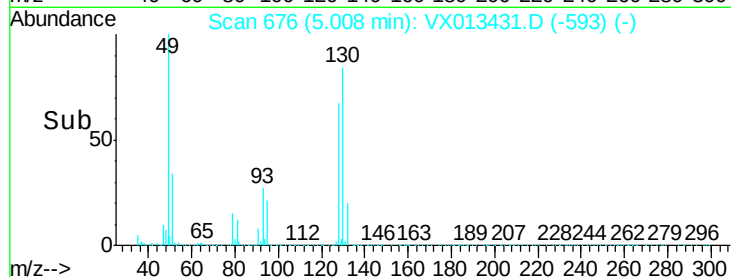
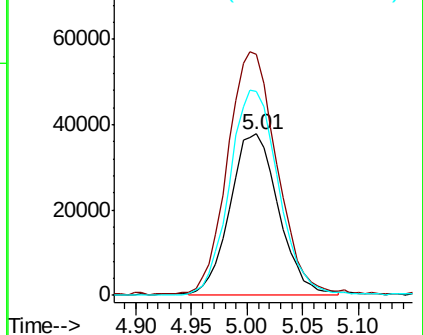
130 127.5 0.0 318.5



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: 25.248 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013431.D

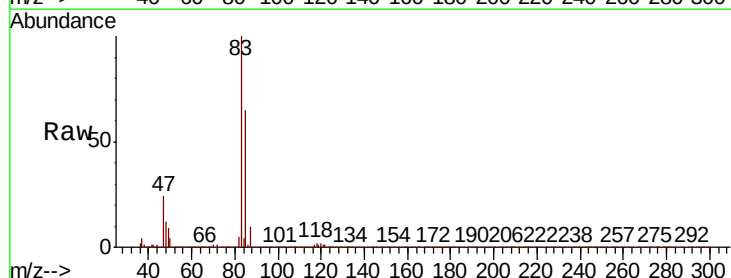
Acq: 14 Nov 2019 19:17

Tgt Ion: 83 Resp: 337436

Ion Ratio Lower Upper

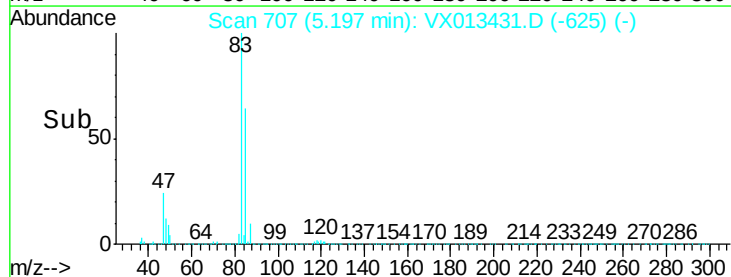
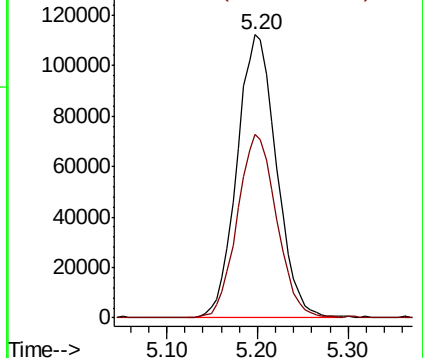
83 100

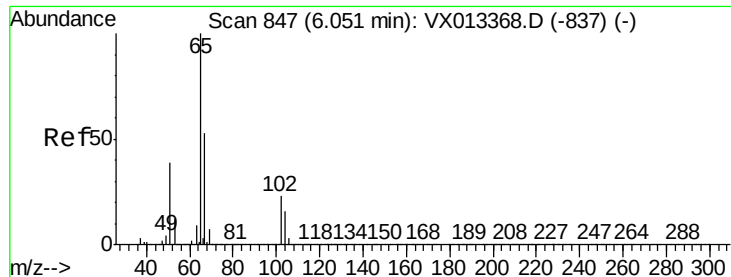
85 64.5 52.4 78.6



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: 28.980 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013431.D

Acq: 14 Nov 2019 19:17

Instrument :

MSVOA_X

ClientSampled :

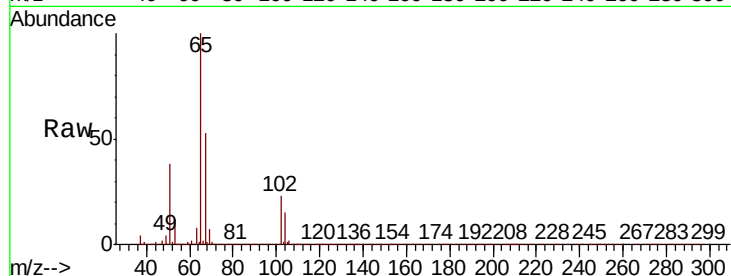
14B-4

Tot Ion: 65 Resp: 245156

Ion Ratio Lower Upper

65 100

67 52.5 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.06

100000

80000

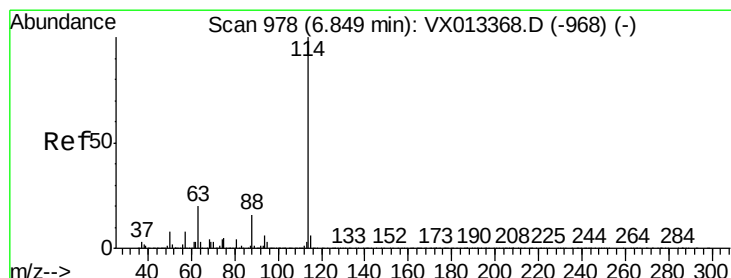
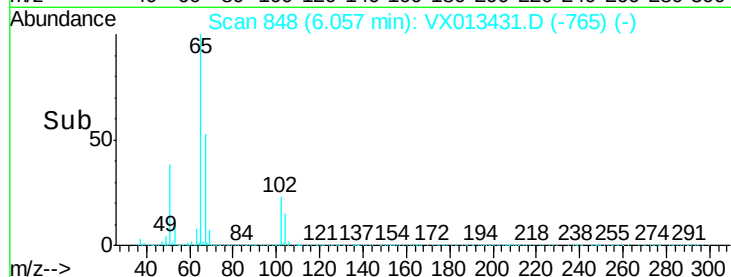
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013431.D

Acq: 14 Nov 2019 19:17

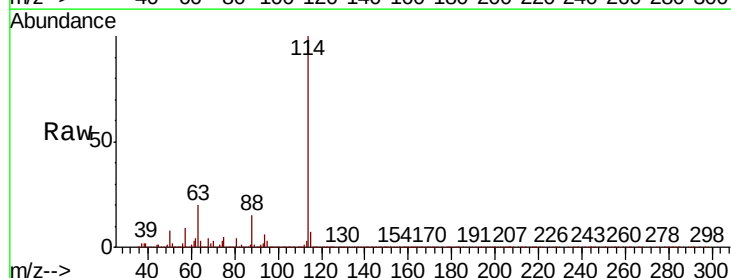
Tgt Ion: 114 Resp: 622023

Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

88 15.7 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

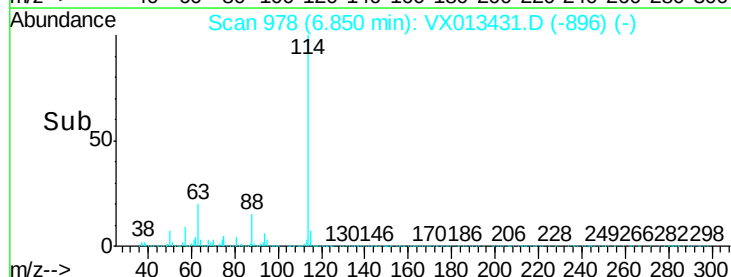
300000

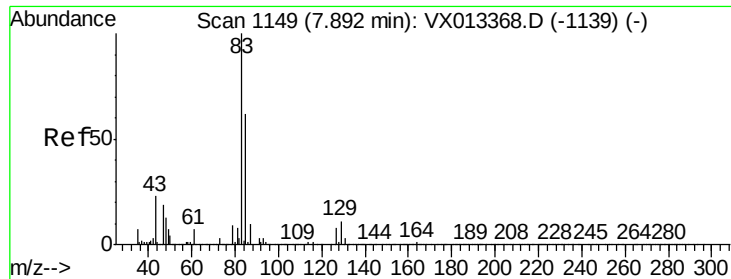
200000

100000

0

Time-->





#41

Bromodichloromethane

Concen: 4.482 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013431.D

Acq: 14 Nov 2019 19:17

Instrument :

MSVOA_X

ClientSampleId :

14B-4

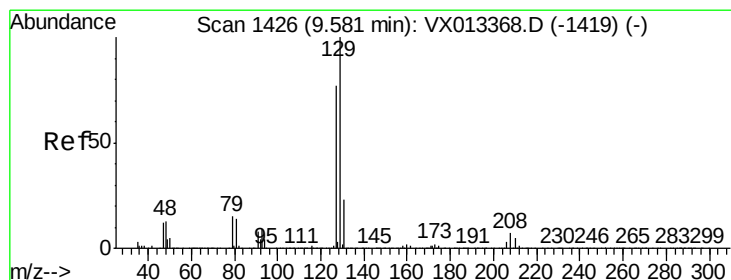
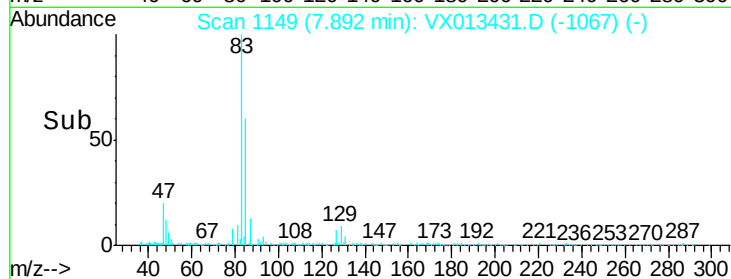
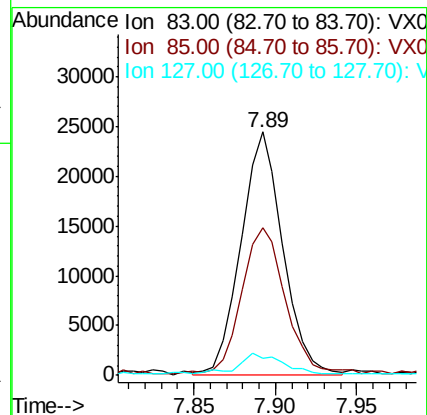
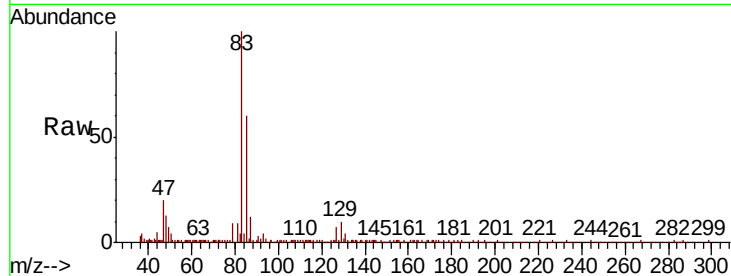
Tot Ion: 83 Resp: 43390

Ion Ratio Lower Upper

83 100

85 59.1 49.3 73.9

127 6.4 6.6 10.0#



#53

Dibromochloromethane

Concen: 0.381 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX013431.D

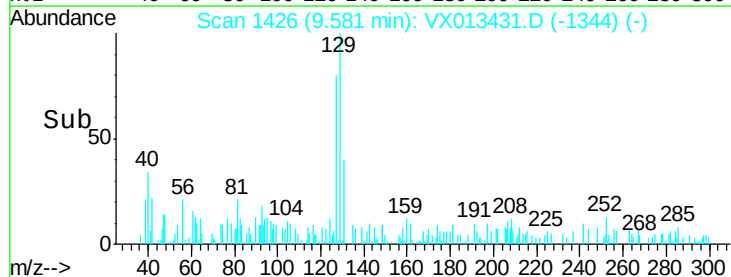
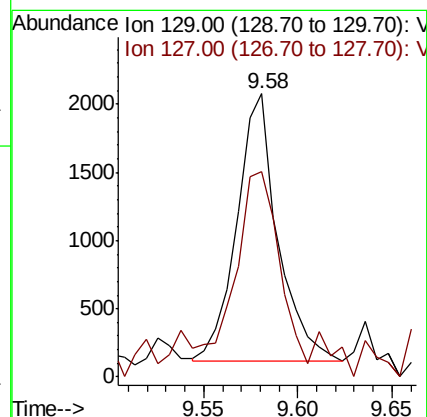
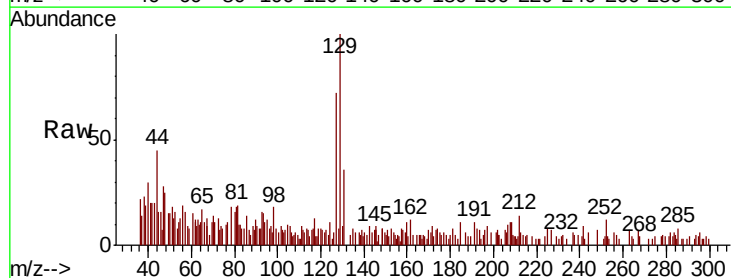
Acq: 14 Nov 2019 19:17

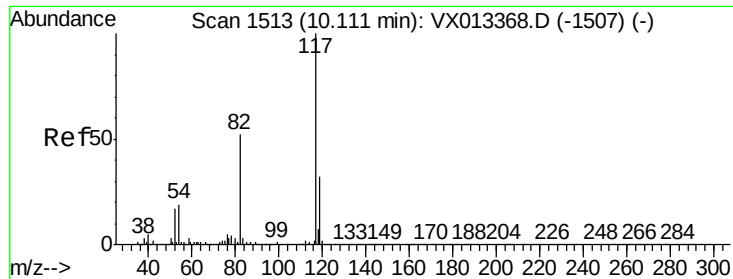
Tgt Ion:129 Resp: 2963

Ion Ratio Lower Upper

129 100

127 72.2 39.6 119.0

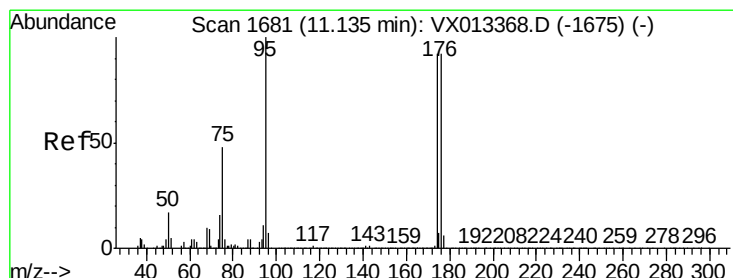
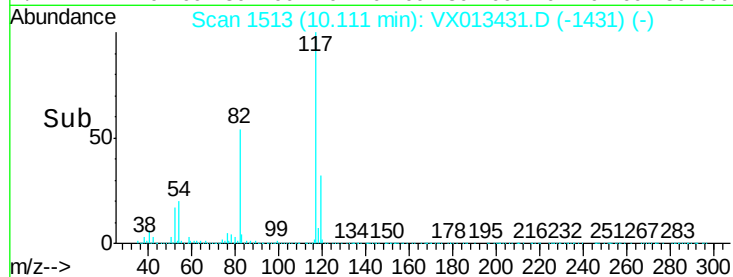
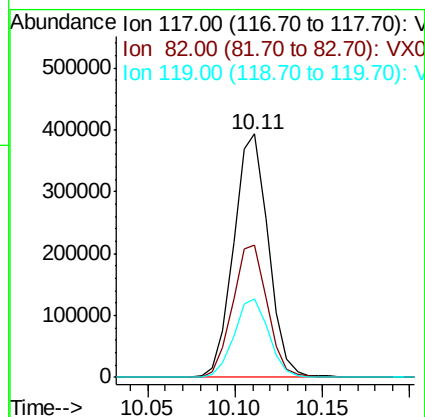
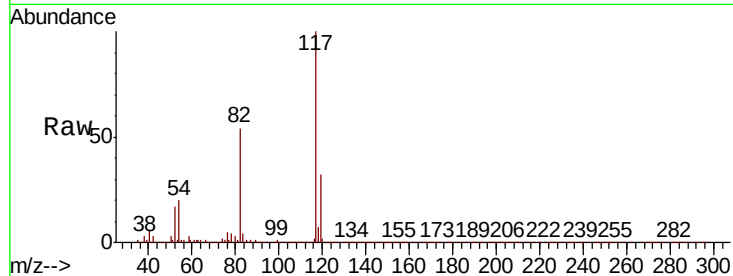




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013431.D
Acq: 14 Nov 2019 19:17

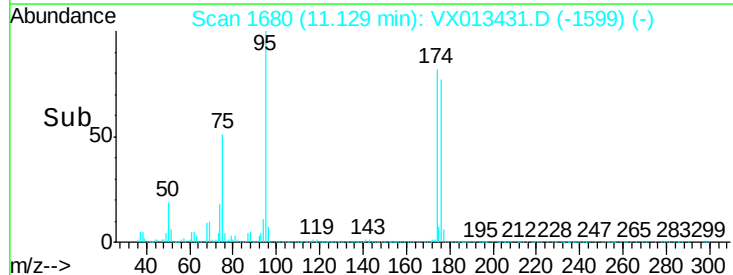
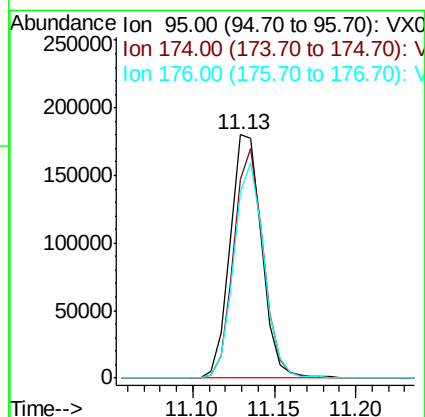
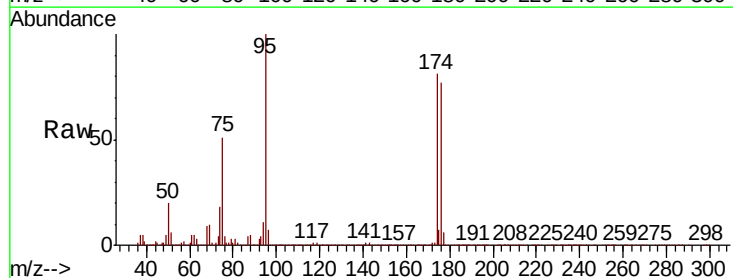
Instrument :
MSVOA_X
ClientSampled :
14B-4

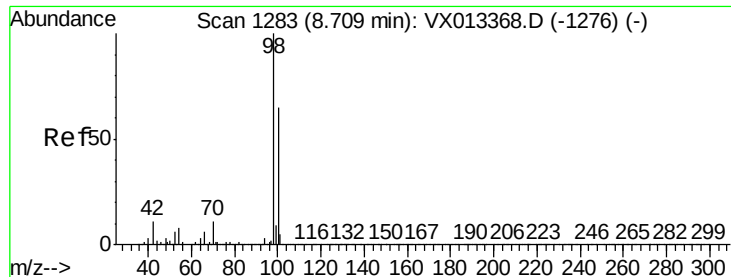
Tot Ion:117 Resp: 540933
Ion Ratio Lower Upper
117 100
82 54.4 43.7 65.5
119 32.6 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 27.830 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013431.D
Acq: 14 Nov 2019 19:17

Tgt Ion: 95 Resp: 241961
Ion Ratio Lower Upper
95 100
174 88.8 70.2 105.2
176 84.7 68.3 102.5





#63

Toluene-d8

Concen: 30.278 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013431.D

Acq: 14 Nov 2019 19:17

Instrument :

MSVOA_X

ClientSampleId :

14B-4

Tot Ion: 98 Resp: 740626

Ion Ratio Lower Upper

98 100

100 65.9 52.5 78.7

