

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013427.D
 Acq On : 14 Nov 2019 17:09
 Operator : JC/SP
 Sample : K5828-03DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 15 00:58:33 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	122803	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	669181	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	577088	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	259852	28.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.53%
60) 4-Bromofluorobenzene	11.14	95	257076	27.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.40%
63) Toluene-d8	8.71	98	791972	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

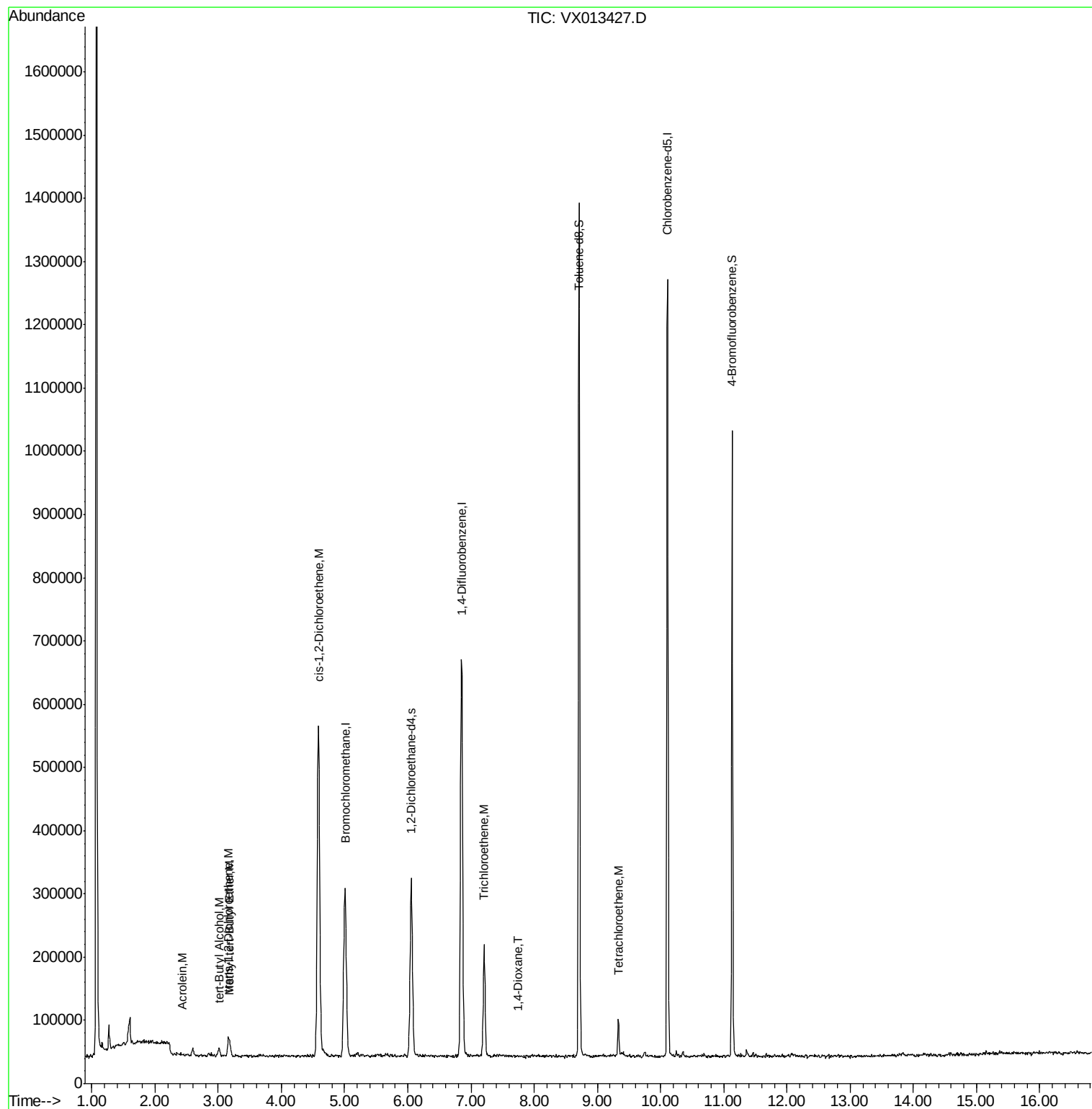
					Ovalue
13) Acrolein	2.43	56	401	0.284 ug/l	87
19) trans-1,2-Dichloroethene	3.16	96	11571	1.428 ug/l	90
22) cis-1,2-Dichloroethene	4.59	96	336984	36.465 ug/l	88
23) tert-Butyl Alcohol	3.01	59	8680	3.691 ug/l #	99
24) Methyl tert-Butyl Ether	3.18	73	19236	0.766 ug/l	96
37) Trichloroethene	7.21	130	70511	8.490 ug/l	97
45) 1,4-Dioxane	7.73	88	217	0.994 ug/l #	1
61) Tetrachloroethene	9.33	164	10809	1.519 ug/l	97

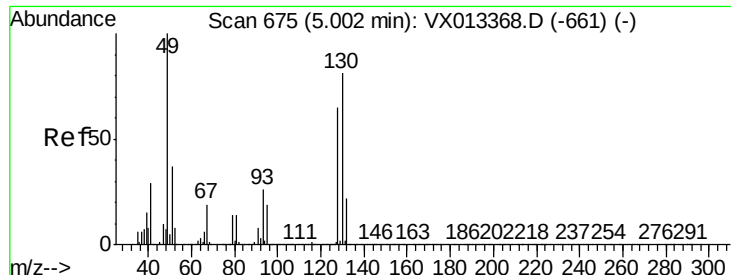
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111419\
Data File : VX013427.D
Acq On : 14 Nov 2019 17:09
Operator : JC/SP
Sample : K5828-03DL 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 15 00:58:33 2019
Quant Method : Z:\V0ASRV\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

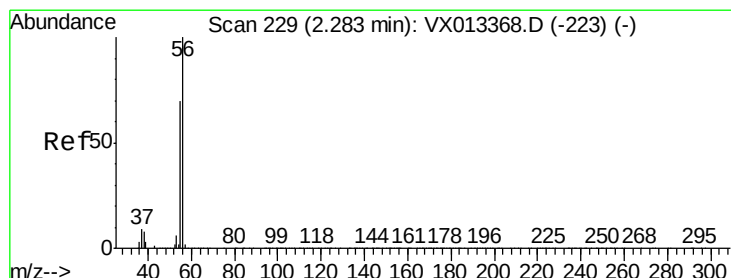
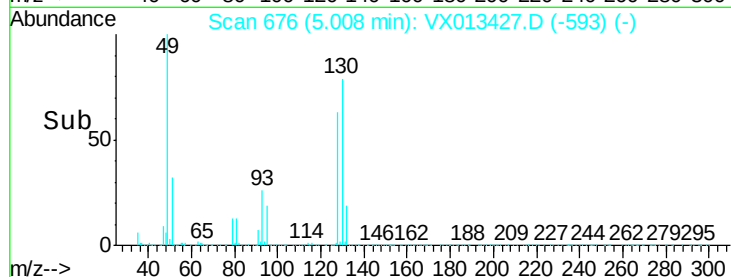
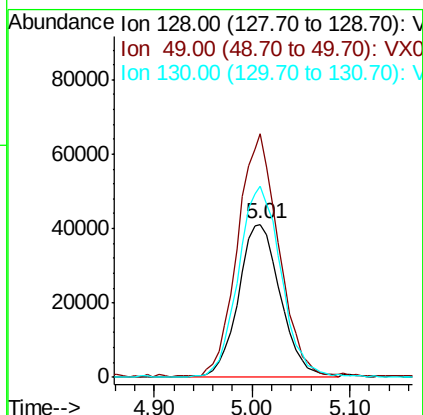
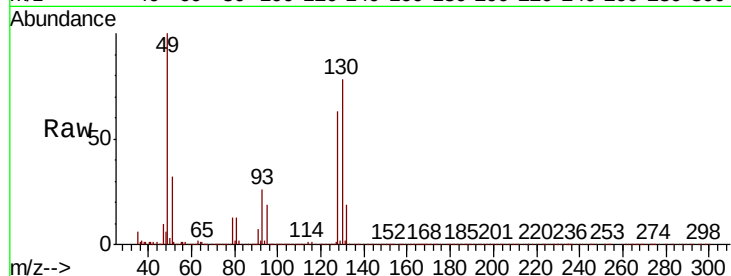




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013427.D
Acq: 14 Nov 2019 17:09

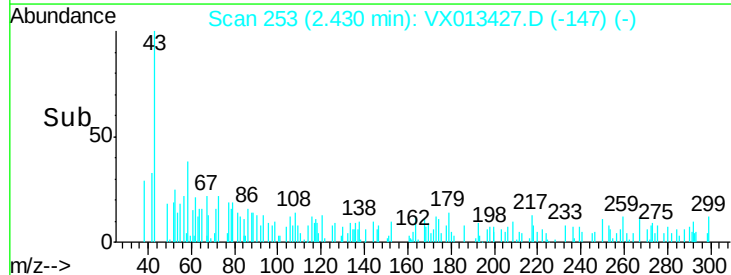
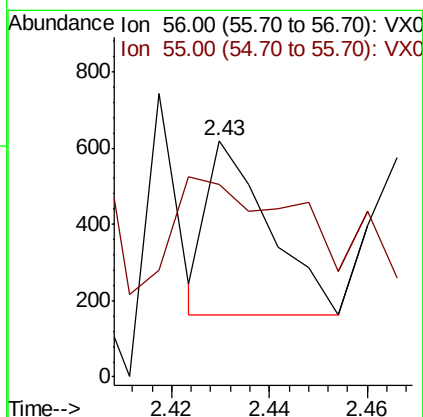
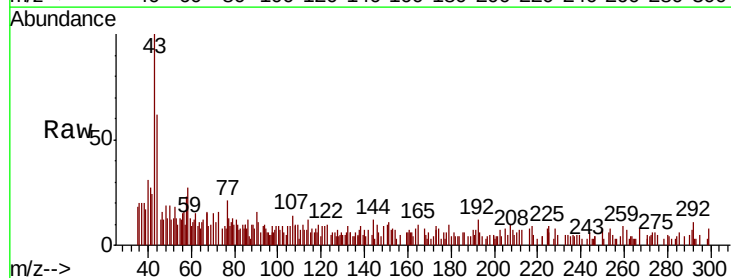
Instrument :
MSVOA_X
ClientSampled :

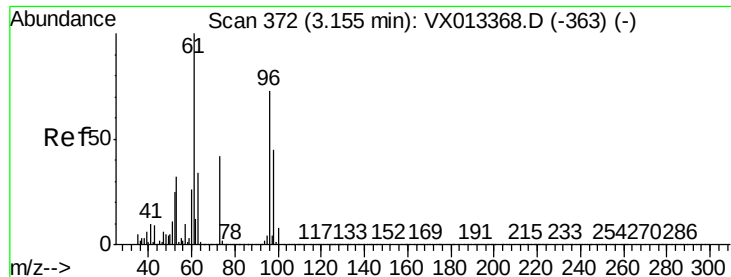
Tot Ion	Ratio	Lower	Upper
128	100		
49	154.3	0.0	388.3
130	126.8	0.0	318.5



#13
Acrolein
Concen: 0.284 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.15 min
Lab File: VX013427.D
Acq: 14 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
56	100		
55	80.3	55.8	83.8





#19

trans-1,2-Dichloroethene

Concen: 1.428 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013427.D

Acq: 14 Nov 2019 17:09

Instrument :

MSVOA_X

ClientSampled :

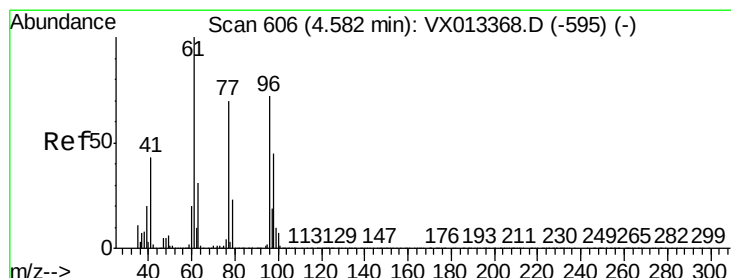
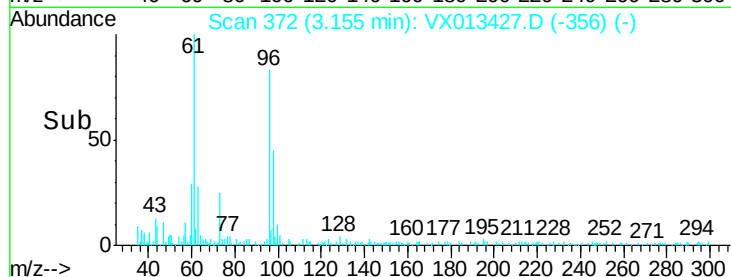
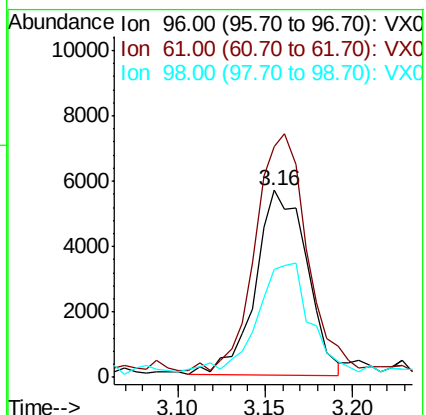
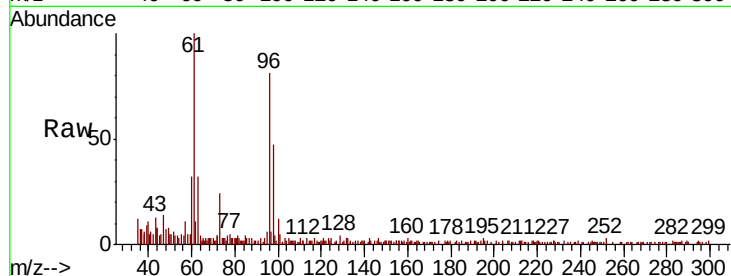
Tot Ion: 96 Resp: 11571

Ion Ratio Lower Upper

96 100

61 121.5 109.9 164.9

98 58.8 49.7 74.5



#22

cis-1,2-Dichloroethene

Concen: 36.465 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013427.D

Acq: 14 Nov 2019 17:09

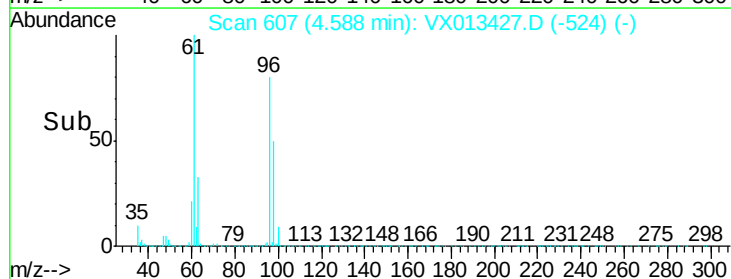
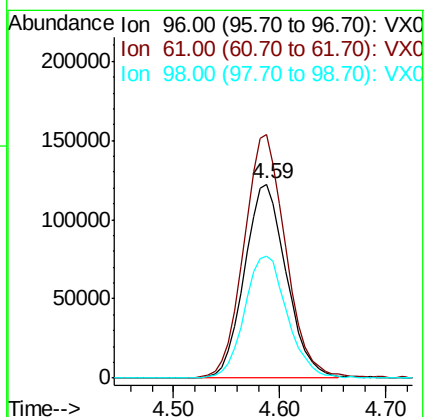
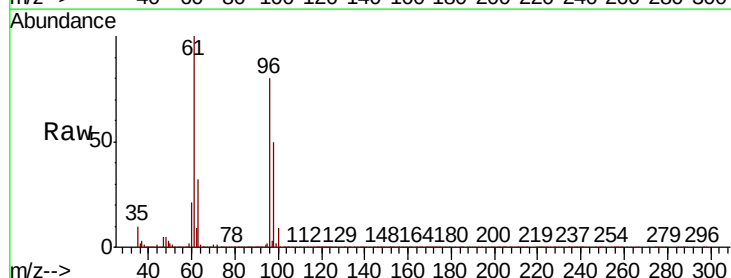
Tgt Ion: 96 Resp: 336984

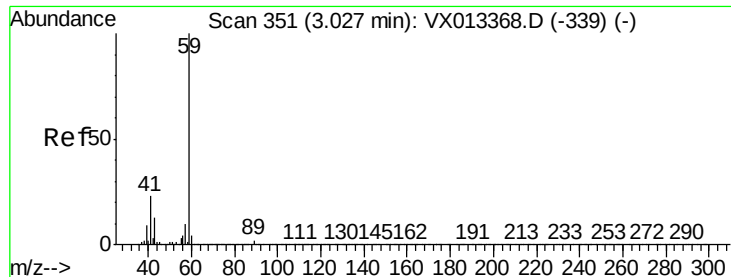
Ion Ratio Lower Upper

96 100

61 124.7 117.0 175.6

98 63.7 51.1 76.7





#23

tert-Butyl Alcohol

Concen: 3.691 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX013427.D

Acq: 14 Nov 2019 17:09

Instrument :

MSVOA_X

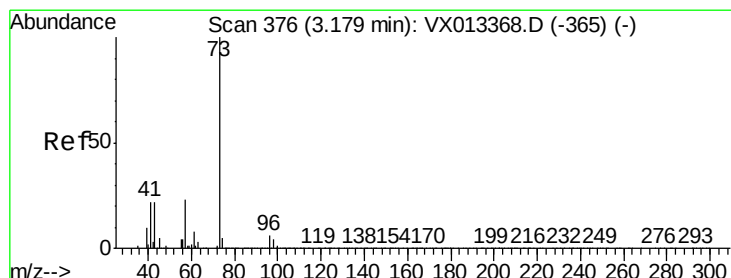
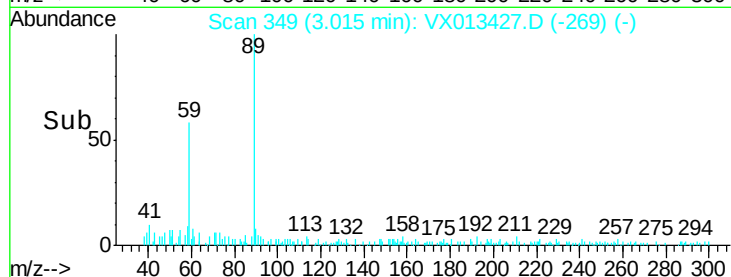
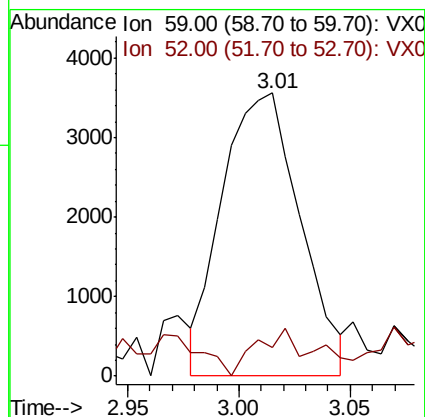
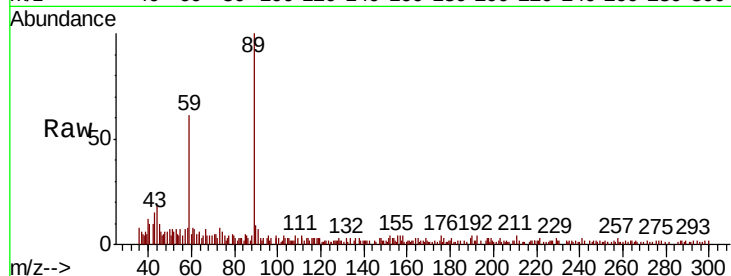
ClientSampleId :

Tot Ion: 59 Resp: 8680

Ion Ratio Lower Upper

59 100

52 1.5 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 0.766 ug/l

RT: 3.18 min Scan# 376

Delta R.T. 0.00 min

Lab File: VX013427.D

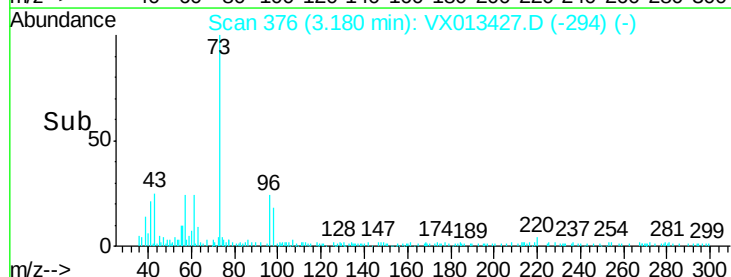
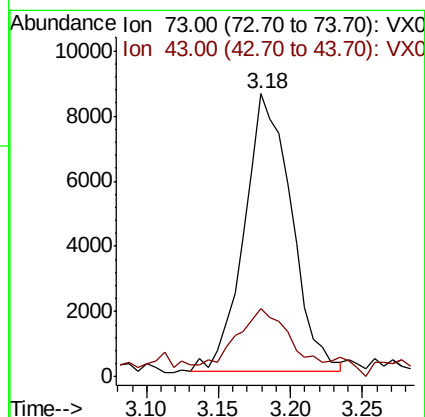
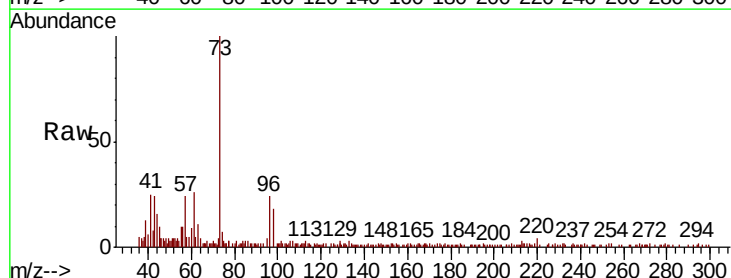
Acq: 14 Nov 2019 17:09

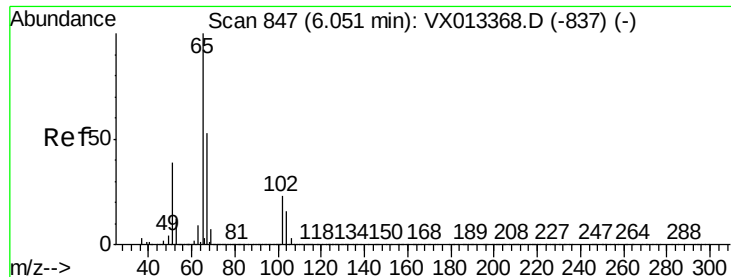
Tgt Ion: 73 Resp: 19236

Ion Ratio Lower Upper

73 100

43 19.6 17.0 25.6





#27

1,2-Dichloroethane-d4

Concen: 28.656 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013427.D

Acq: 14 Nov 2019 17:09

Instrument :

MSVOA_X

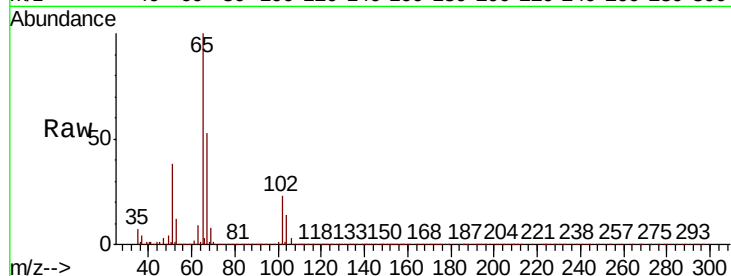
ClientSampleId :

Tot Ion: 65 Resp: 259852

Ion Ratio Lower Upper

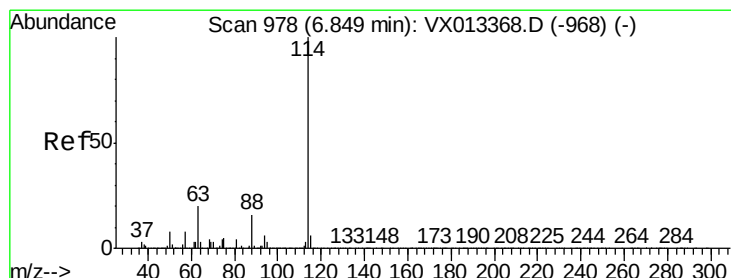
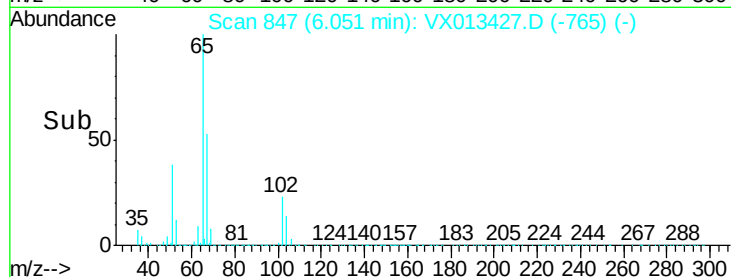
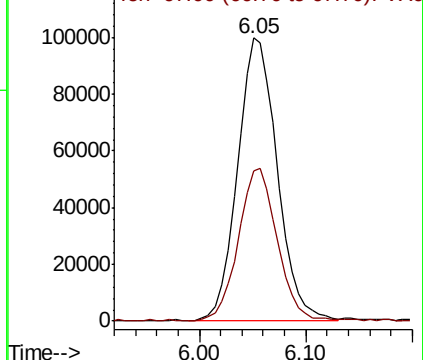
65 100

67 52.3 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: VX013427.D

Acq: 14 Nov 2019 17:09

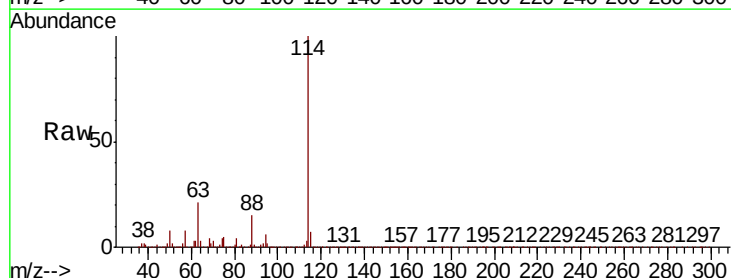
Tgt Ion: 114 Resp: 669181

Ion Ratio Lower Upper

114 100

63 20.1 16.1 24.1

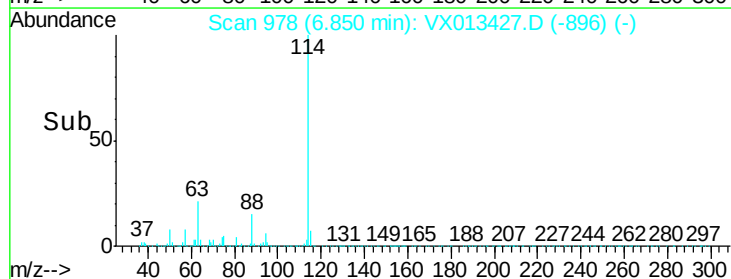
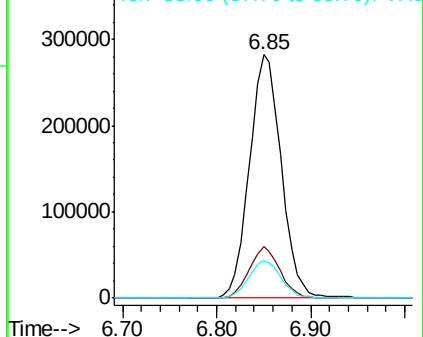
88 15.4 12.3 18.5

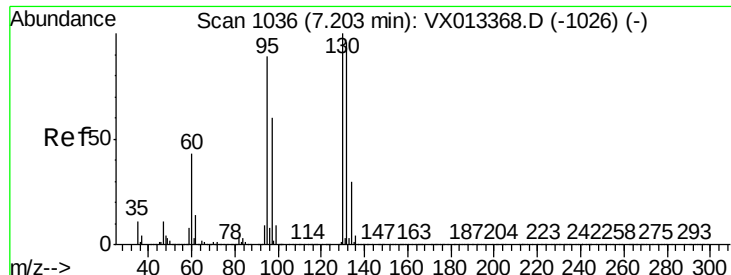


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#37

Trichloroethene

Concen: 8.490 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013427.D

Acq: 14 Nov 2019 17:09

Instrument :

MSVOA_X

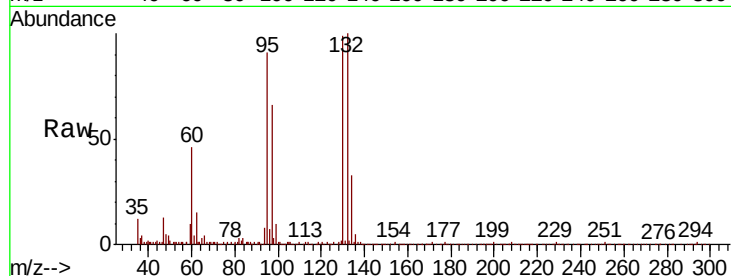
ClientSampled :

Tot Ion:130 Resp: 70511

Ion Ratio Lower Upper

130 100

95 91.5 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

30000

20000

10000

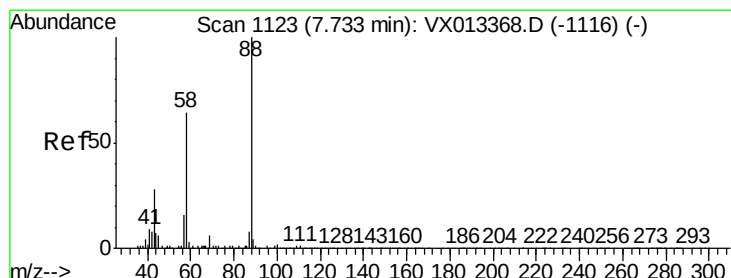
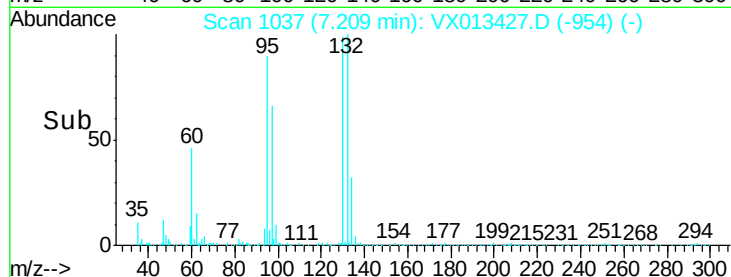
0

Time-->

7.15

7.20

7.25



#45

1,4-Dioxane

Concen: 0.994 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013427.D

Acq: 14 Nov 2019 17:09

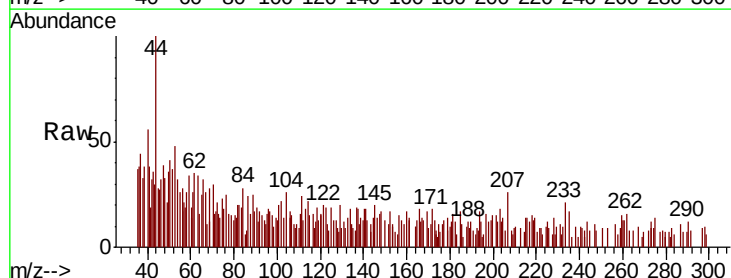
Tgt Ion: 88 Resp: 217

Ion Ratio Lower Upper

88 100

43 359.4 26.1 39.1#

58 177.0 55.8 83.8#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800

600

400

200

0

Time-->

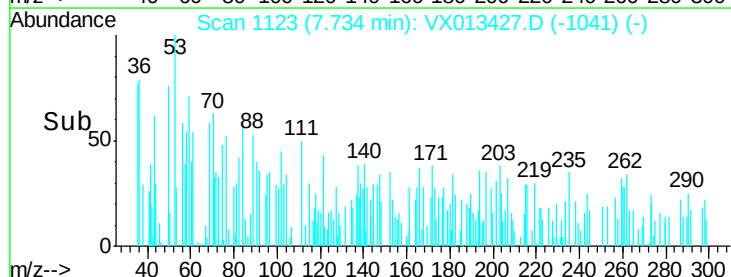
7.72

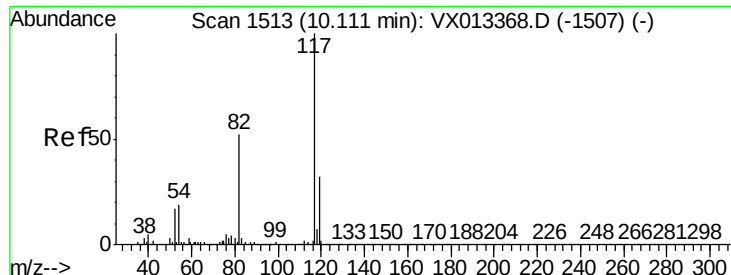
7.73

7.74

7.75

7.76

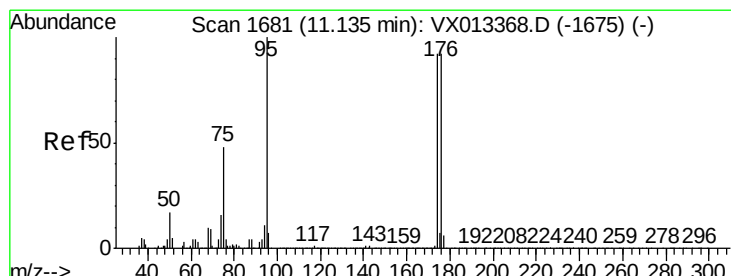
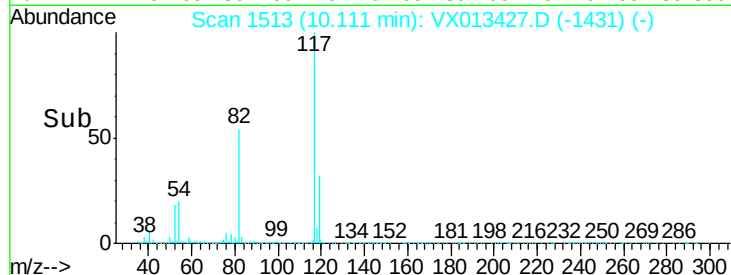
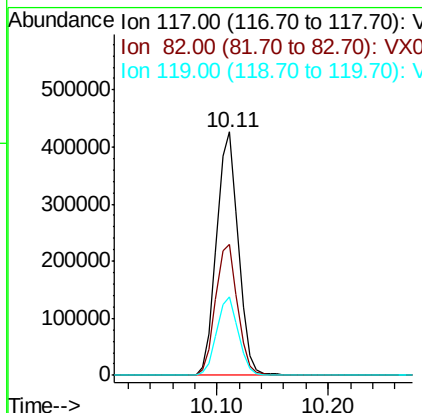
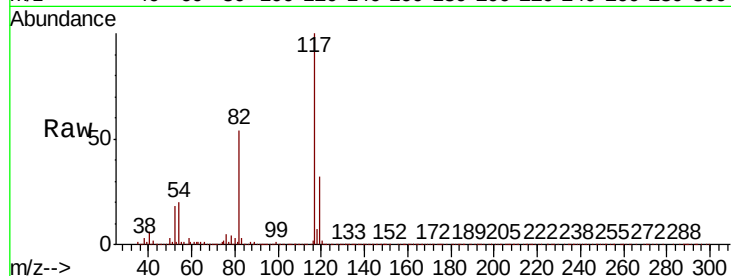




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013427.D
Acq: 14 Nov 2019 17:09

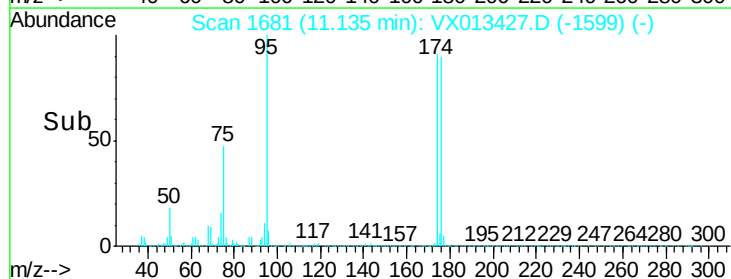
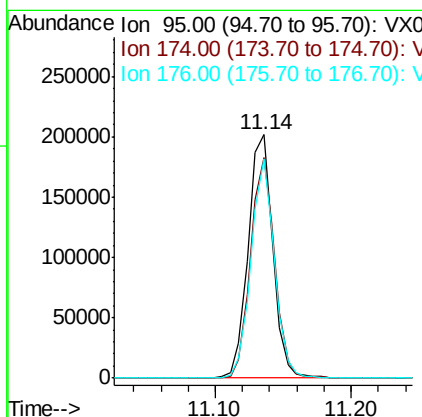
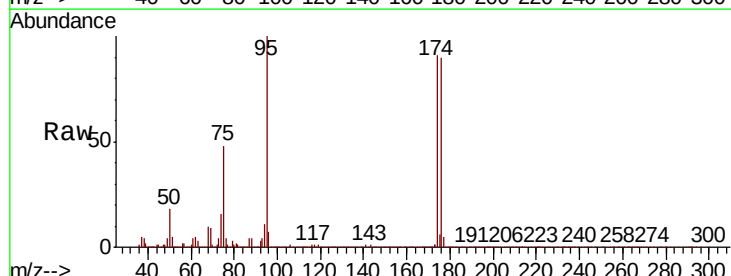
Instrument :
MSVOA_X
ClientSampleId :

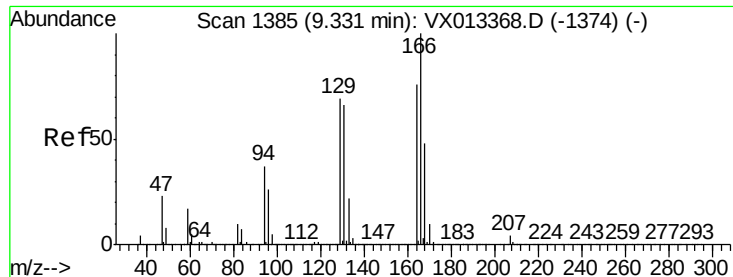
Tot Ion:117 Resp: 577088
Ion Ratio Lower Upper
117 100
82 54.4 43.7 65.5
119 31.6 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 27.716 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013427.D
Acq: 14 Nov 2019 17:09

Tgt Ion: 95 Resp: 257076
Ion Ratio Lower Upper
95 100
174 88.0 70.2 105.2
176 85.8 68.3 102.5

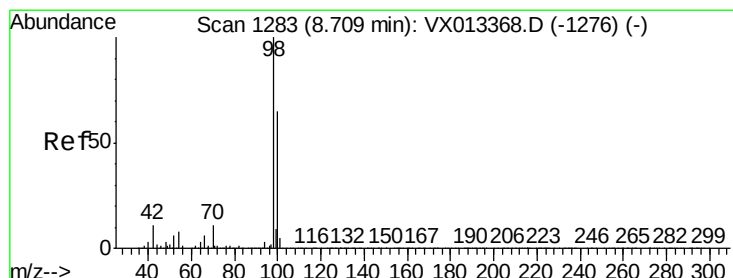
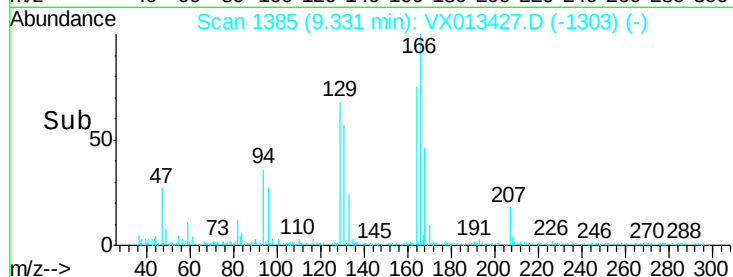
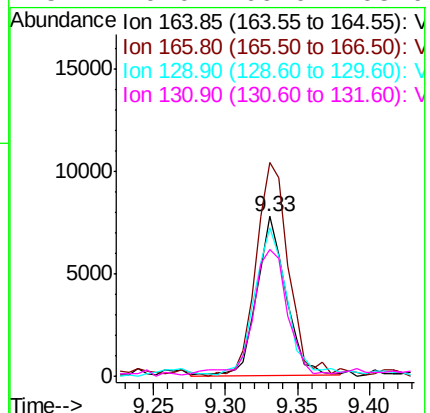
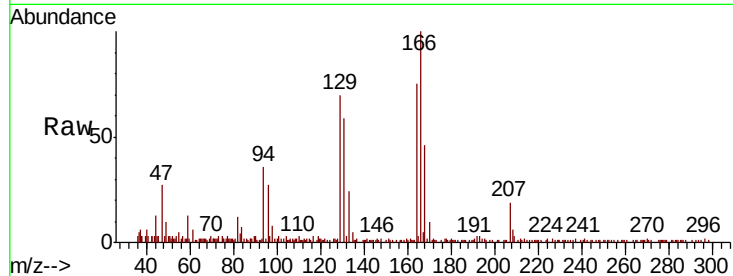




#61
Tetrachloroethene
Concen: 1.519 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013427.D
Acq: 14 Nov 2019 17:09

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
166	133.2	104.9	157.3
129	92.0	72.3	108.5
131	79.0	69.0	103.6



#63
Toluene-d8
Concen: 30.349 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013427.D
Acq: 14 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7

