

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX060718\
 Data File : VX002387.D
 Acq On : 07 Jun 2018 19:27
 Operator : JC/MD
 Sample : J3306-03DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 A&M-WATER

Quant Time: Jun 08 01:47:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	223556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	327712	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	165355	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	157665	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
35) Dibromofluoromethane	5.51	113	117833	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
50) Toluene-d8	8.72	98	469560	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	11.14	95	161702	42.45	ug/l	0.00
Spiked Amount			Recovery	=	84.90%	

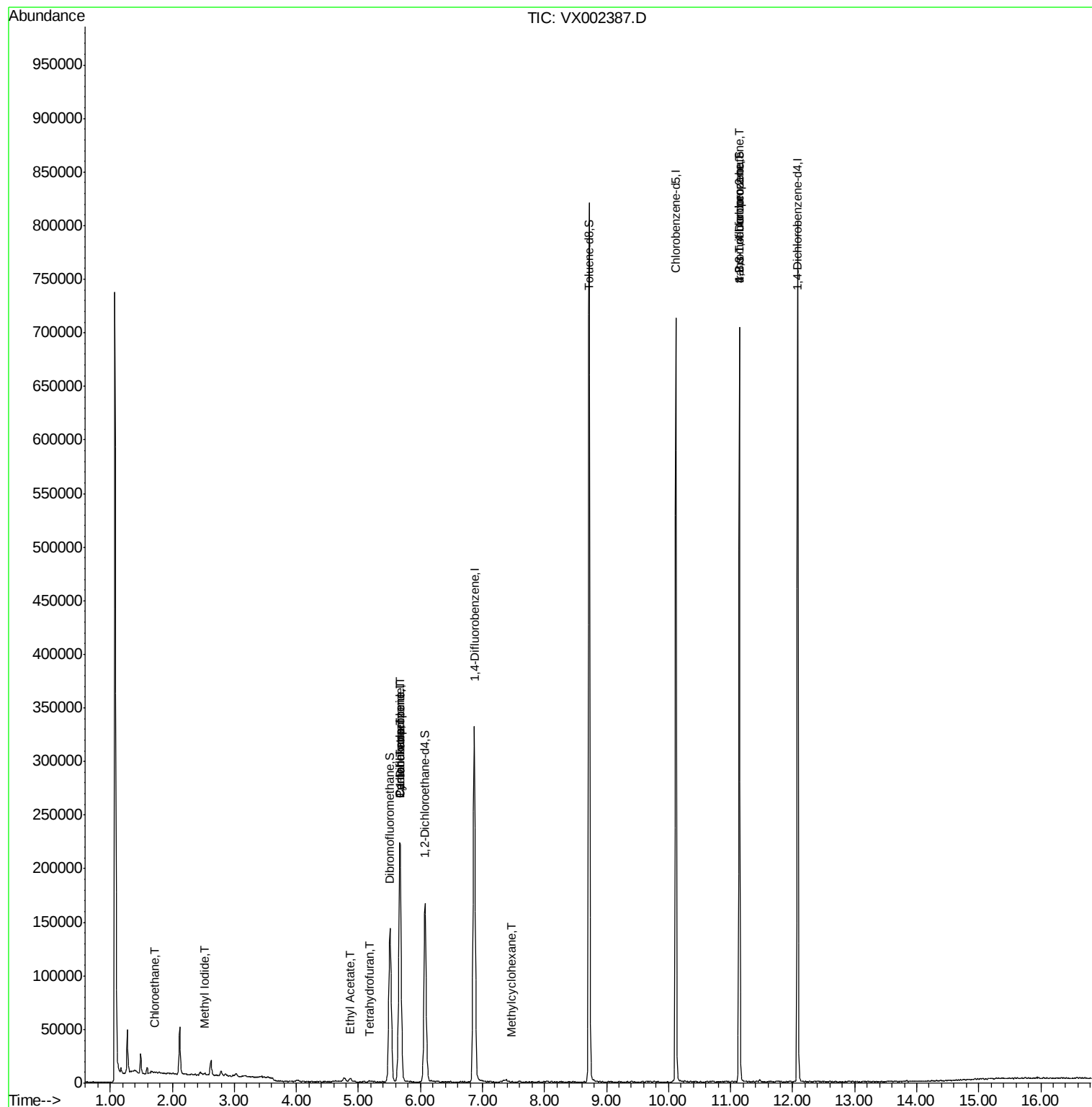
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	459	Below Cal	#	48
5) Bromomethane	1.65	94	1237	Below Cal	#	87
6) Chloroethane	1.72	64	561	0.30	ug/l #	43
8) Diethyl Ether	2.22	74	18	Below Cal	#	1
10) Methyl Iodide	2.52	142	1818	0.54	ug/l #	92
11) Tert butyl alcohol	3.03	59	1289	Below Cal	#	83
13) Acrolein	2.32	56	273	Below Cal	#	72
15) Acrylonitrile	3.14	53	532	Below Cal	#	58
16) Acetone	2.45	43	3602	Below Cal	#	92
18) Methyl Acetate	2.78	43	5054	Below Cal	#	89
19) Methyl tert-butyl Ether	3.20	73	45	Below Cal	#	54
20) Methylene Chloride	2.87	84	575	Below Cal	#	75
22) Diisopropyl ether	3.91	45	110	Below Cal	#	81
28) Bromochloromethane	5.03	49	20	Below Cal	#	13
29) Tetrahydrofuran	5.19	42	740	0.52	ug/l #	60
31) Cyclohexane	5.67	56	5032	1.25	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15488	4.50	ug/l #	51
37) Ethyl Acetate	4.87	43	5791	1.40	ug/l #	94
38) Carbon Tetrachloride	5.67	117	21076	5.85	ug/l #	15
39) Methylcyclohexane	7.46	83	67	0.28	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	87318	24.07	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	87318	84.36	ug/l #	6

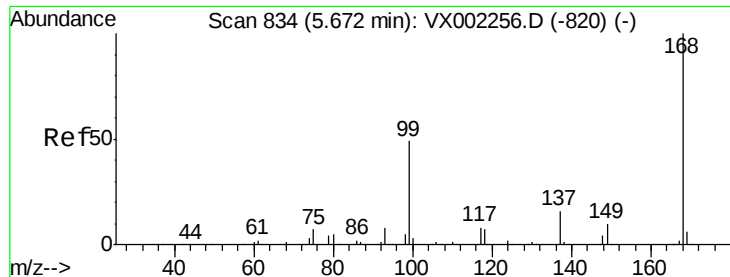
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 08 01:47:55 2018
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Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002387.D

Acq: 07 Jun 2018 19:27

Instrument :

MSVOA_X

ClientSampleId :

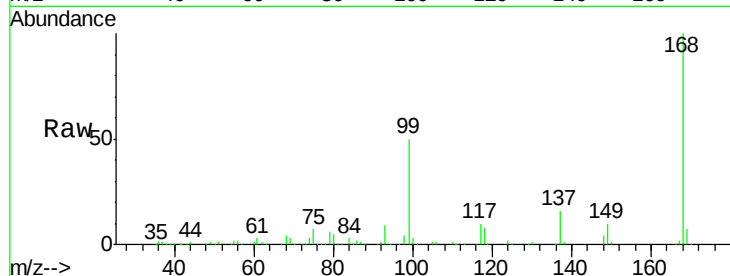
A&M-WATER

Tot Ion:168 Resp: 223556

Ion Ratio Lower Upper

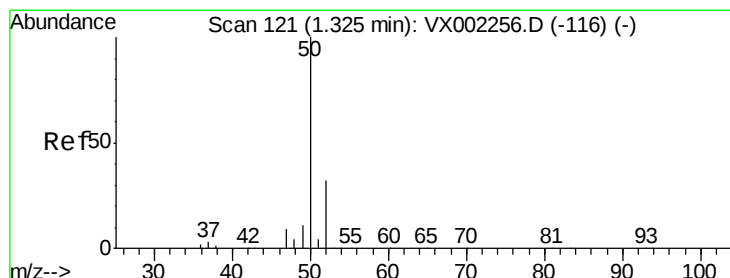
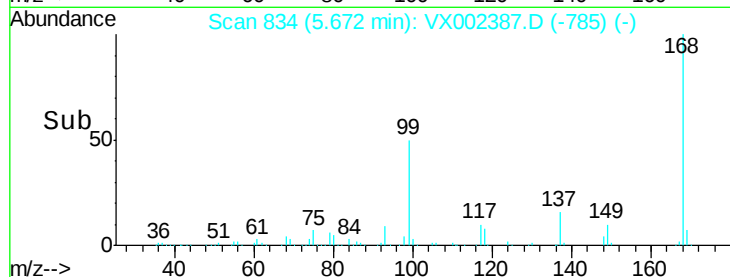
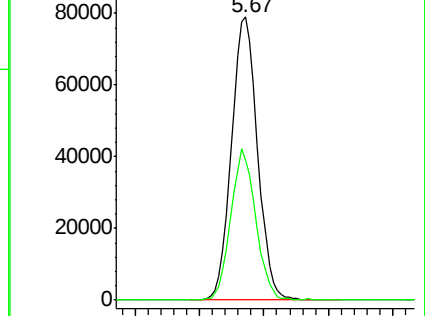
168 100

99 49.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002387.D

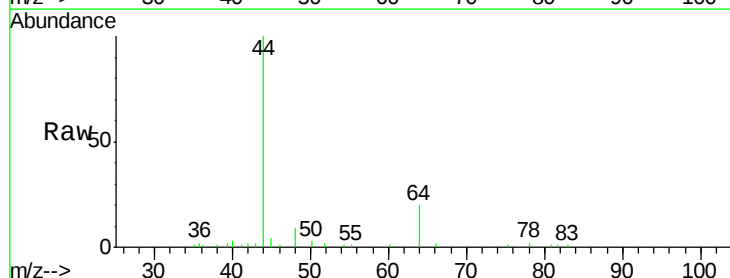
Acq: 07 Jun 2018 19:27

Tgt Ion: 50 Resp: 459

Ion Ratio Lower Upper

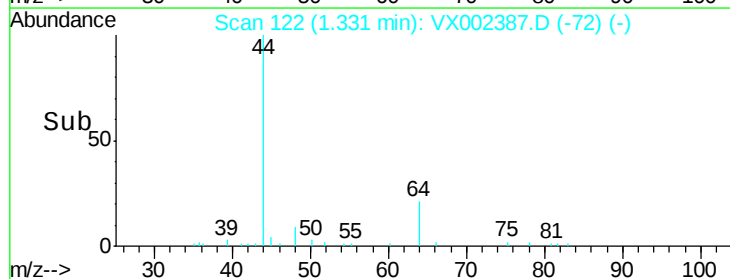
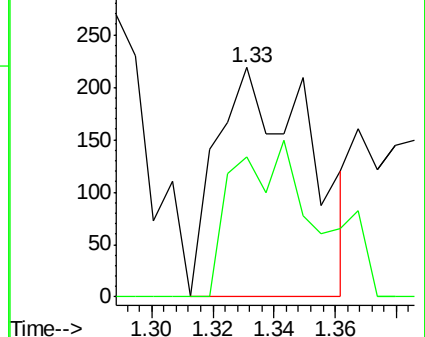
50 100

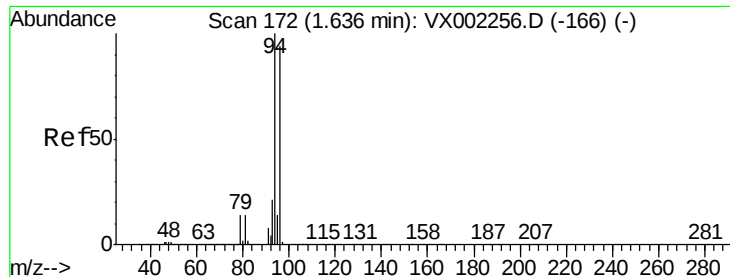
52 61.2 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002387.D

Acq: 07 Jun 2018 19:27

Instrument :

MSVOA_X

ClientSampled :

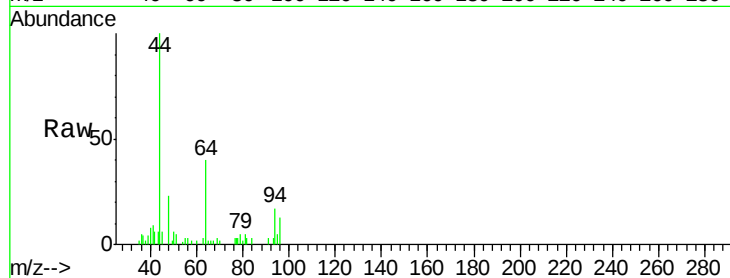
A&M-WATER

Tot Ion: 94 Resp: 1237

Ion Ratio Lower Upper

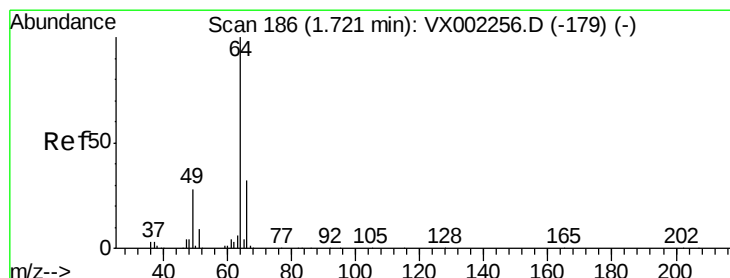
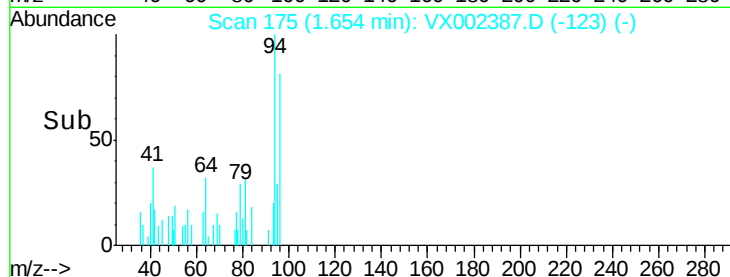
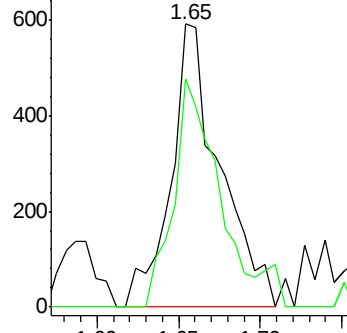
94 100

96 80.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.30 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002387.D

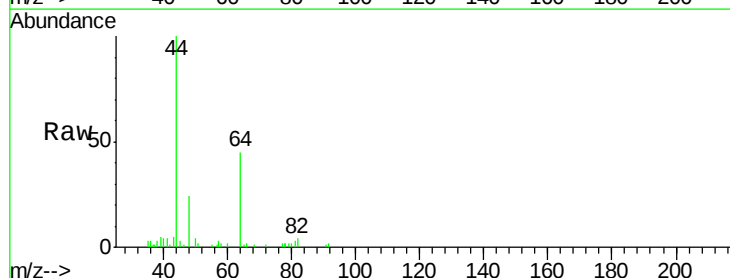
Acq: 07 Jun 2018 19:27

Tgt Ion: 64 Resp: 561

Ion Ratio Lower Upper

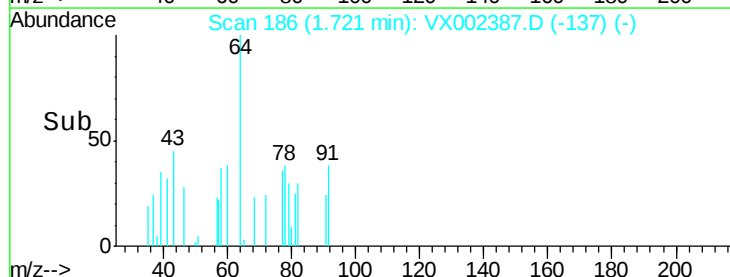
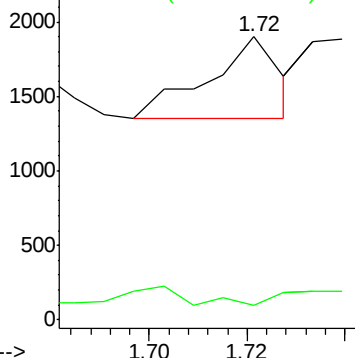
64 100

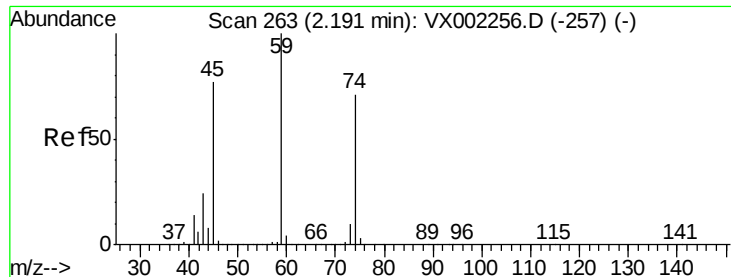
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: Below Cal

RT: 2.22 min Scan# 268

Delta R.T. 0.03 min

Lab File: VX002387.D

Acq: 07 Jun 2018 19:27

Instrument :

MSVOA_X

ClientSampleId :

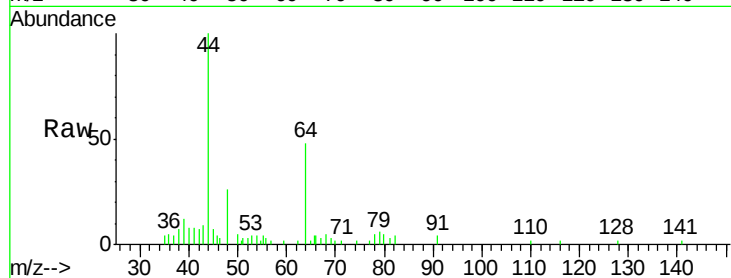
A&M-WATER

Tot Ion: 74 Resp: 18

Ion Ratio Lower Upper

74 100

45 0.0 53.1 159.4#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

250

200

150

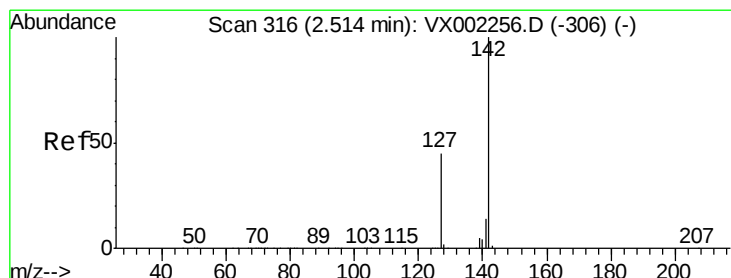
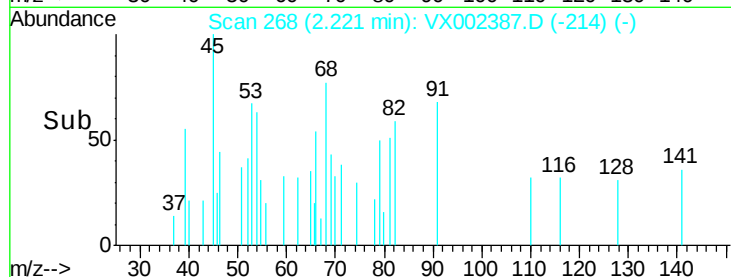
100

50

0

2.20 2.21 2.22 2.23 2.24

Time-->



#10

Methyl Iodide

Concen: 0.54 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002387.D

Acq: 07 Jun 2018 19:27

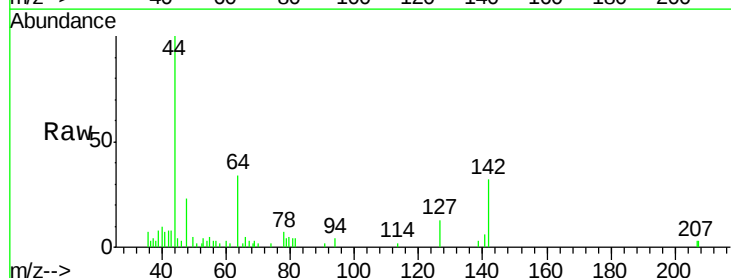
Tgt Ion:142 Resp: 1818

Ion Ratio Lower Upper

142 100

127 51.0 36.6 55.0

141 17.3 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

1000

800

600

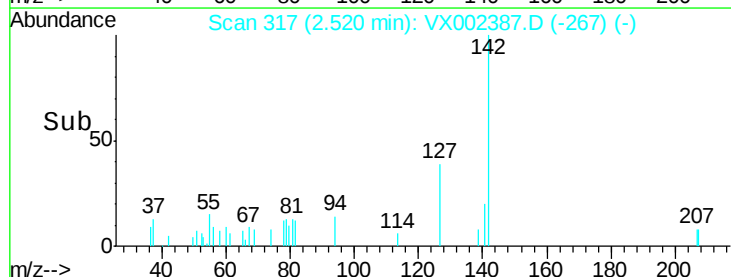
400

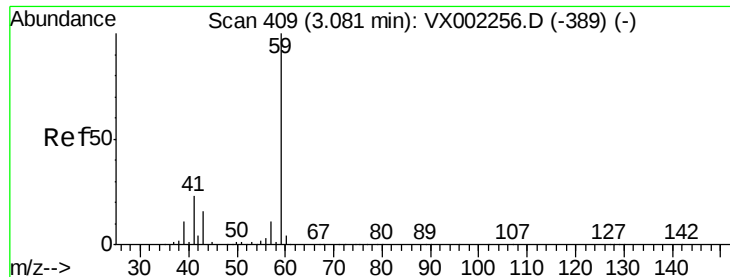
200

0

2.45 2.50 2.55

Time-->



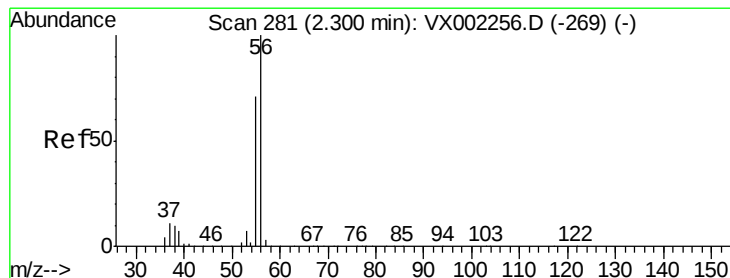
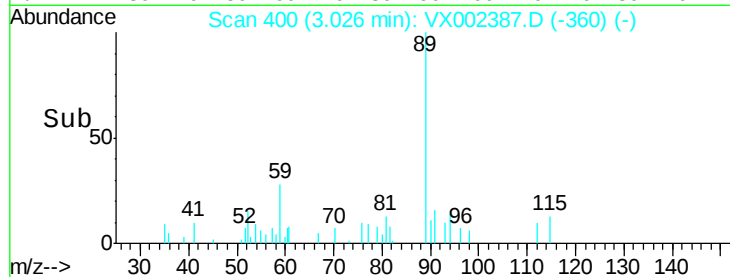
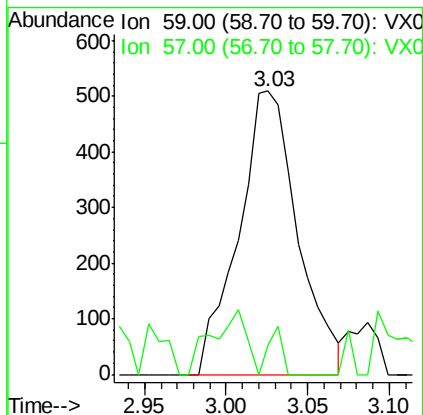
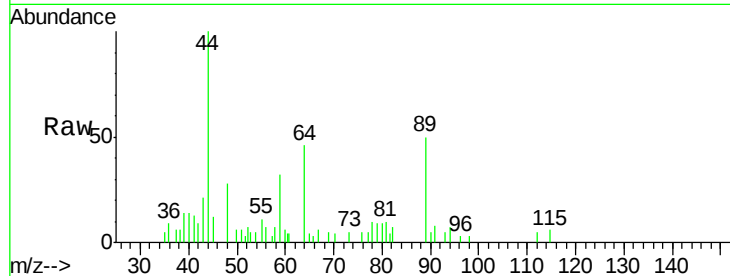


#11

Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002387.D
Acq: 07 Jun 2018 19:27

Instrument :
MSVOA_X
ClientSampled :
A&M-WATER

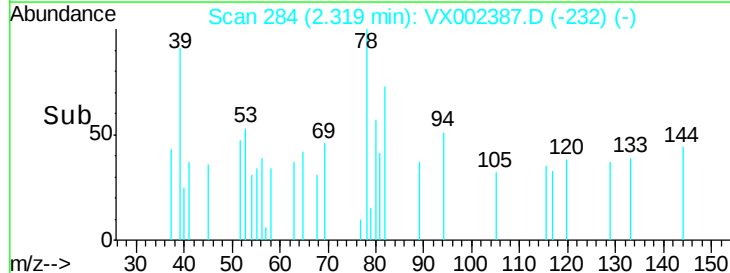
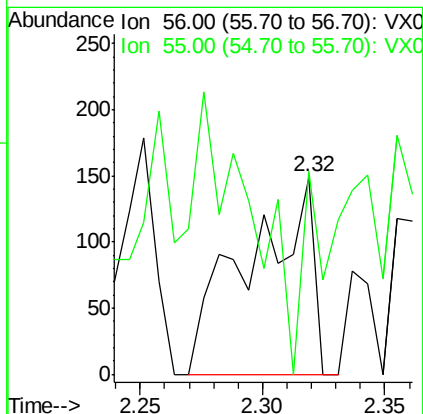
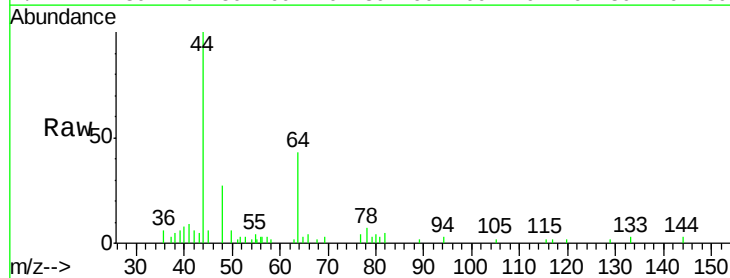
Tot Ion: 59 Resp: 1289
Ion Ratio Lower Upper
59 100
57 3.9 8.2 12.2#

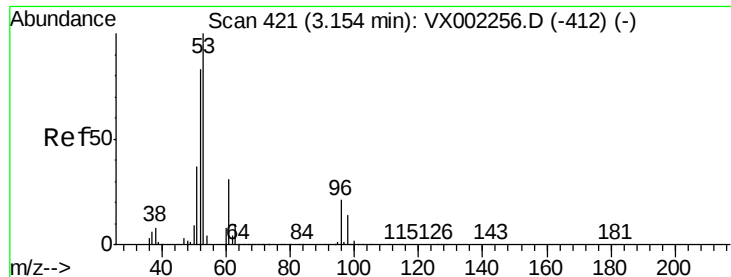


#13

Acrolein
Concen: Below Cal
RT: 2.32 min Scan# 284
Delta R.T. 0.02 min
Lab File: VX002387.D
Acq: 07 Jun 2018 19:27

Tgt Ion: 56 Resp: 273
Ion Ratio Lower Upper
56 100
55 94.5 57.0 85.4#





#15

Acrylonitrile

Concen: Below Cal

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX002387.D

Acq: 07 Jun 2018 19:27

Instrument :

MSVOA_X

ClientSampled :

A&M-WATER

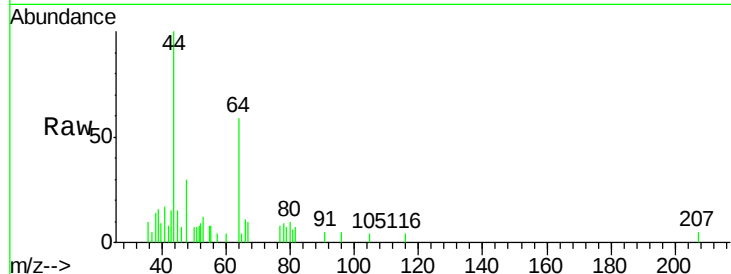
Tot Ion: 53 Resp: 532

Ion Ratio Lower Upper

53 100

52 39.7 66.7 100.1#

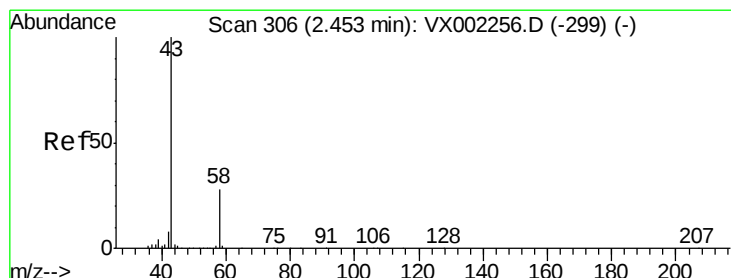
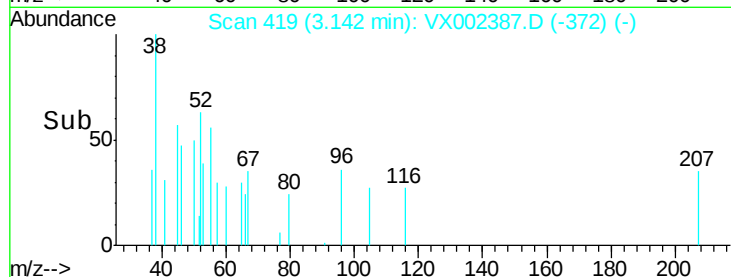
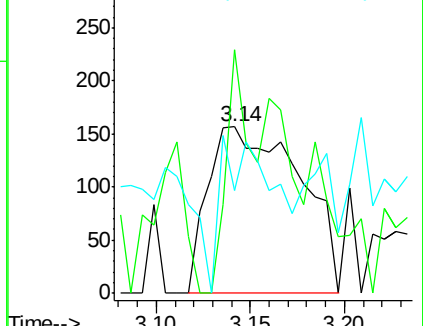
51 54.1 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002387.D

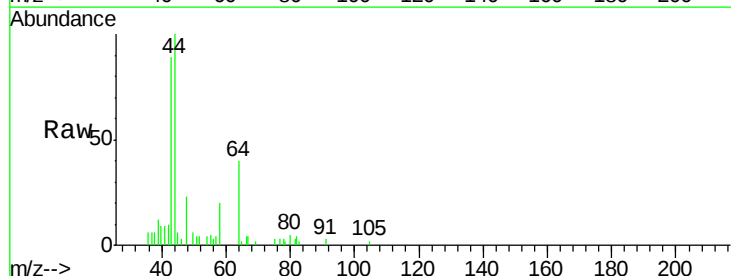
Acq: 07 Jun 2018 19:27

Tgt Ion: 43 Resp: 3602

Ion Ratio Lower Upper

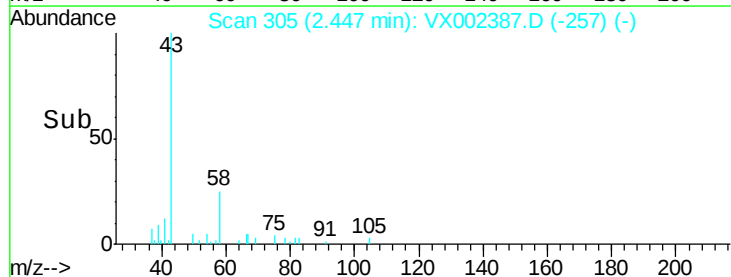
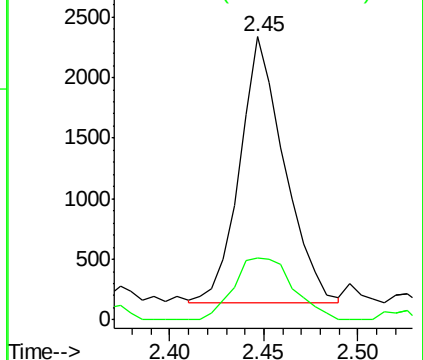
43 100

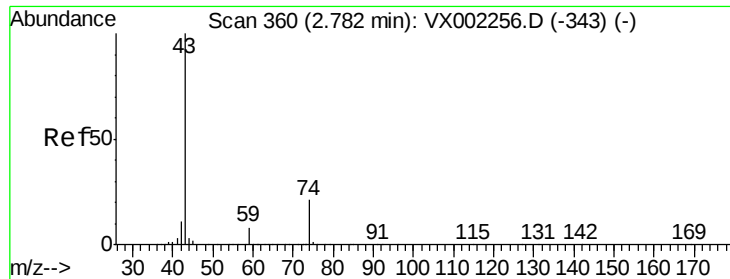
58 23.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX002387.D

Acq: 07 Jun 2018 19:27

Instrument :

MSVOA_X

ClientSampleId :

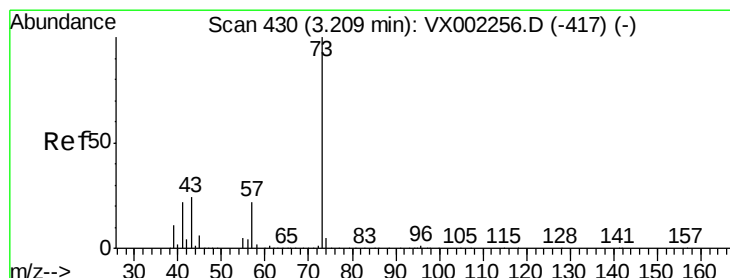
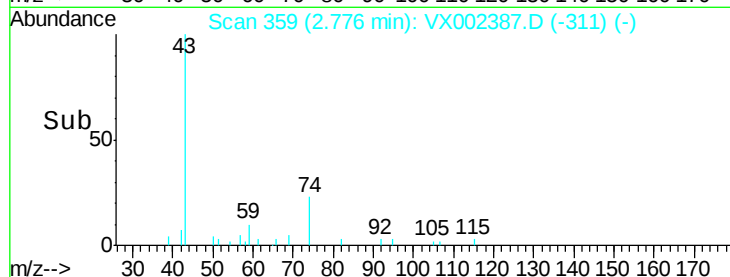
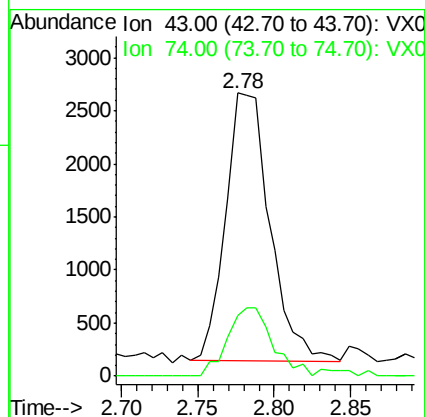
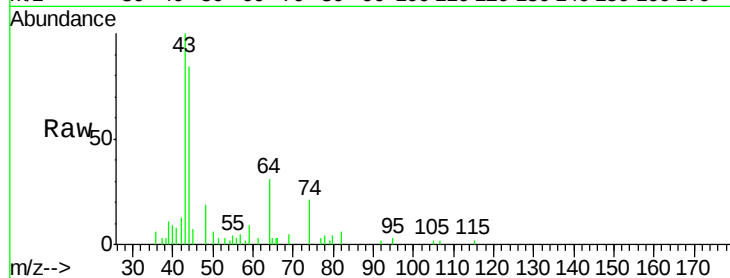
A&M-WATER

Tot Ion: 43 Resp: 5054

Ion Ratio Lower Upper

43 100

74 25.9 16.7 25.1#



#19

Methyl tert-butyl Ether

Concen: Below Cal

RT: 3.20 min Scan# 429

Delta R.T. -0.01 min

Lab File: VX002387.D

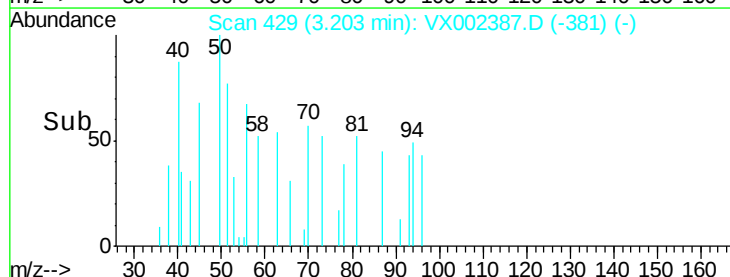
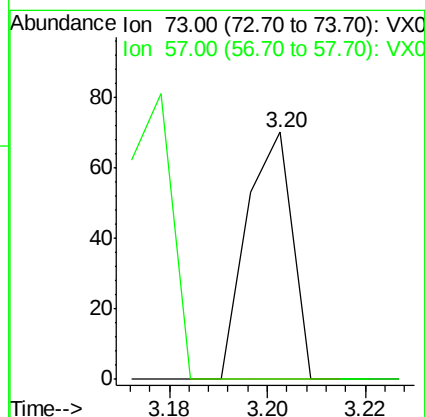
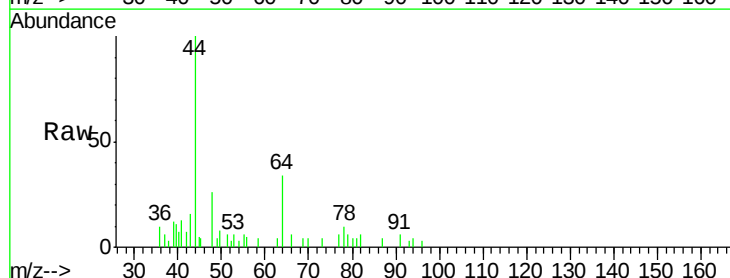
Acq: 07 Jun 2018 19:27

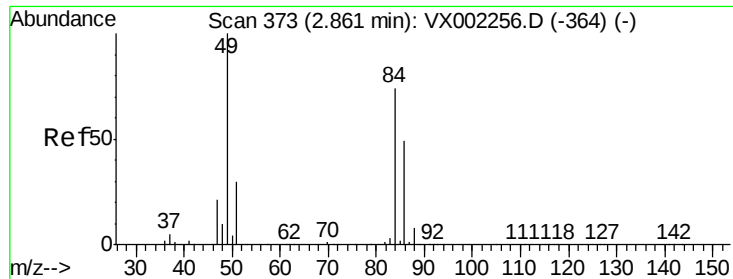
Tgt Ion: 73 Resp: 45

Ion Ratio Lower Upper

73 100

57 0.0 17.7 26.5#

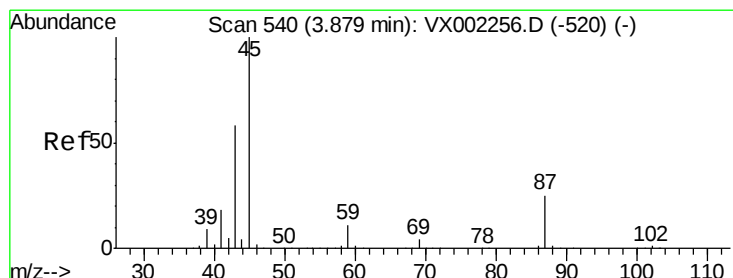
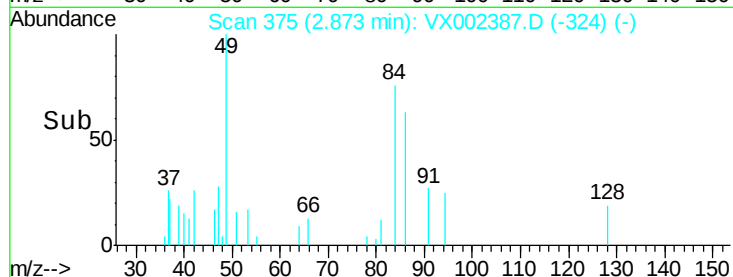
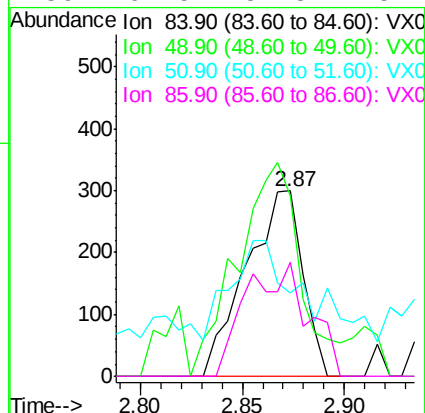
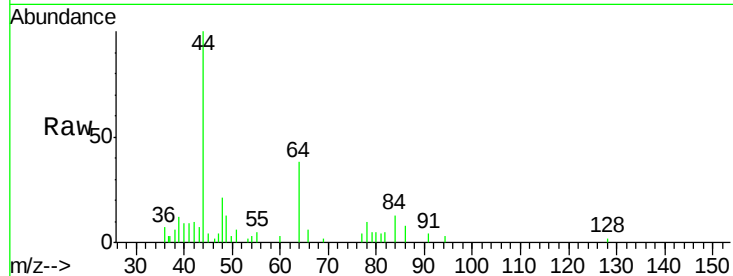




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VX002387.D
Acq: 07 Jun 2018 19:27

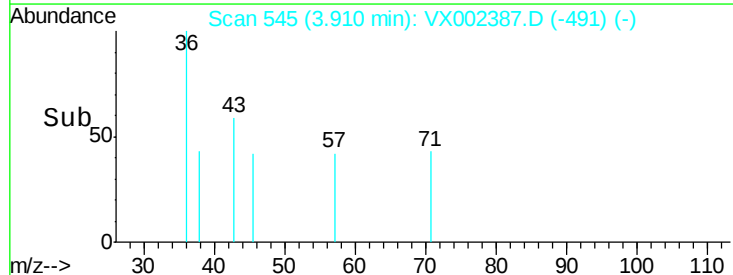
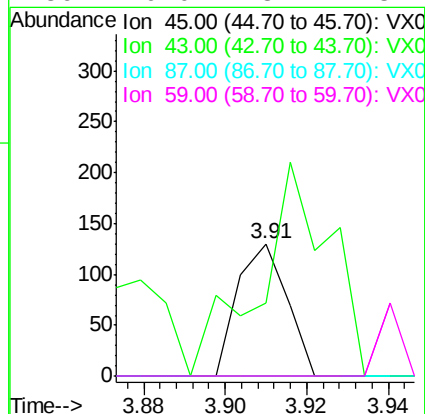
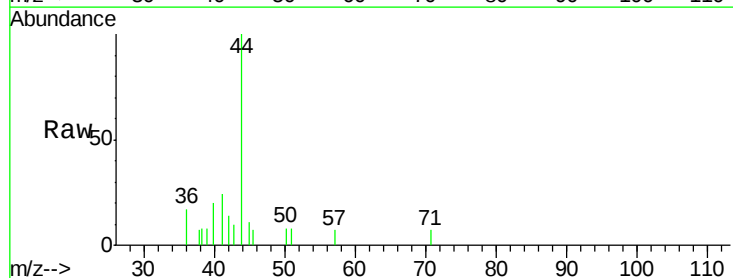
Instrument :
MSVOA_X
ClientSampled :
A&M-WATER

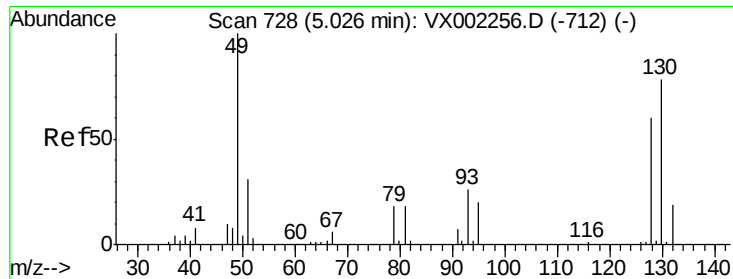
Tot Ion: 84 Resp: 575
Ion Ratio Lower Upper
84 100
49 97.7 107.8 161.6#
51 16.4 32.8 49.2#
86 61.5 52.5 78.7



#22
Diisopropyl ether
Concen: Below Cal
RT: 3.91 min Scan# 545
Delta R.T. 0.03 min
Lab File: VX002387.D
Acq: 07 Jun 2018 19:27

Tgt Ion: 45 Resp: 110
Ion Ratio Lower Upper
45 100
43 55.4 46.8 70.2
87 0.0 20.2 30.4#
59 0.0 8.7 13.1#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002387.D

Acq: 07 Jun 2018 19:27

Instrument :

MSVOA_X

ClientSampleId :

A&M-WATER

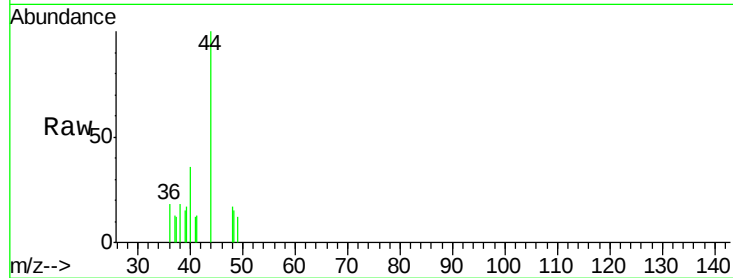
Tot Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

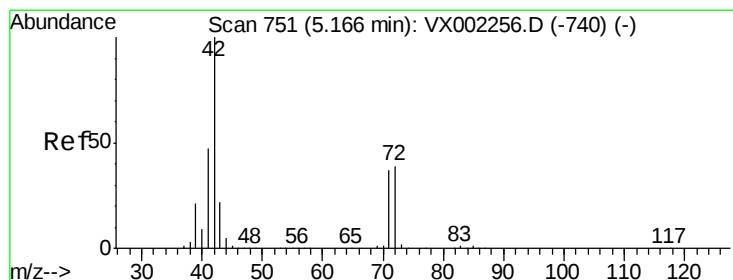
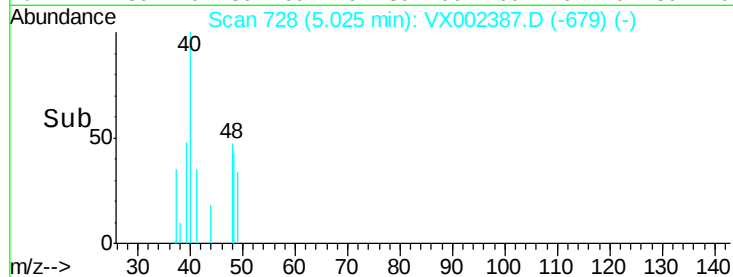
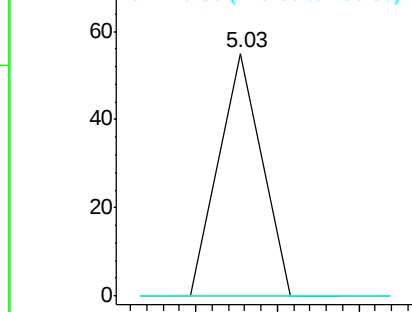
130 0.0 61.2 91.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.52 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX002387.D

Acq: 07 Jun 2018 19:27

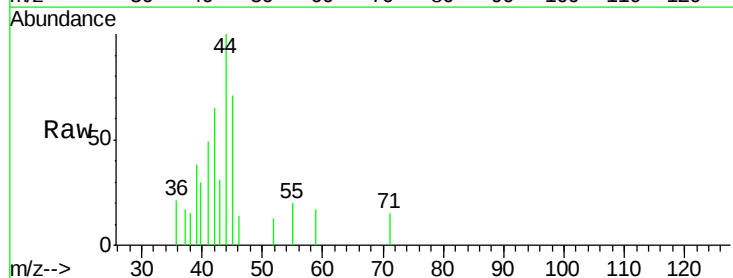
Tgt Ion: 42 Resp: 740

Ion Ratio Lower Upper

42 100

72 6.5 32.0 48.0#

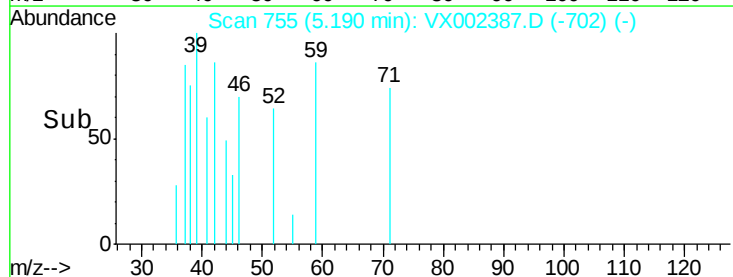
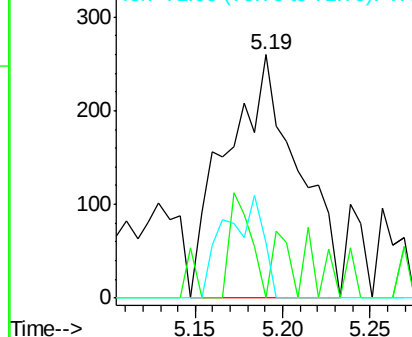
71 22.3 30.1 45.1#

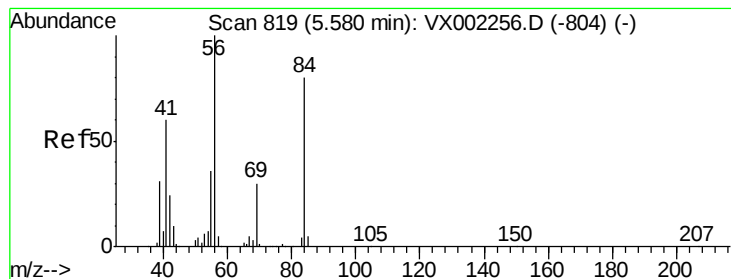


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.25 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX002387.D

Acq: 07 Jun 2018 19:27

Instrument :

MSVOA_X

ClientSampleId :

A&M-WATER

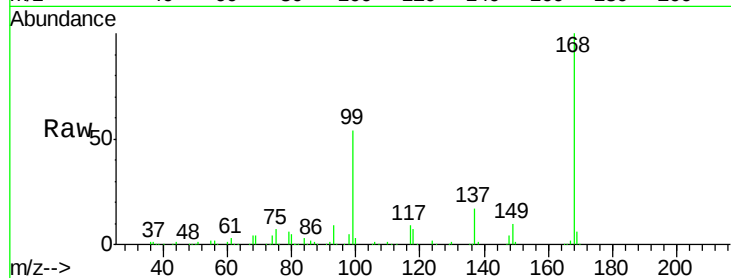
Tot Ion: 56 Resp: 5032

Ion Ratio Lower Upper

56 100

69 154.2 23.7 35.5#

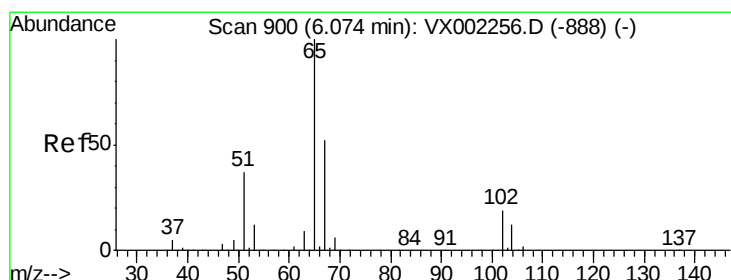
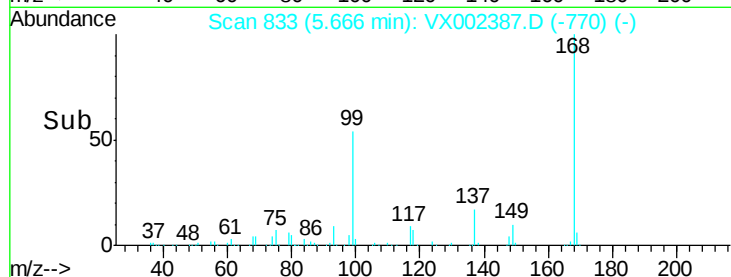
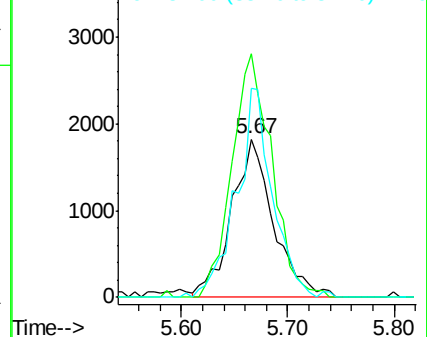
84 132.7 64.1 96.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.27 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002387.D

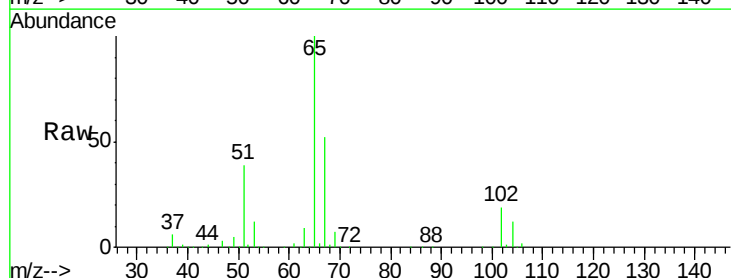
Acq: 07 Jun 2018 19:27

Tgt Ion: 65 Resp: 157665

Ion Ratio Lower Upper

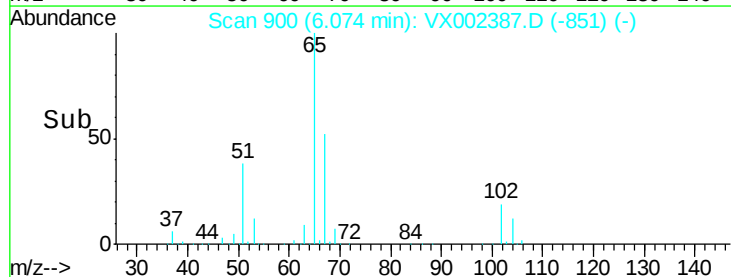
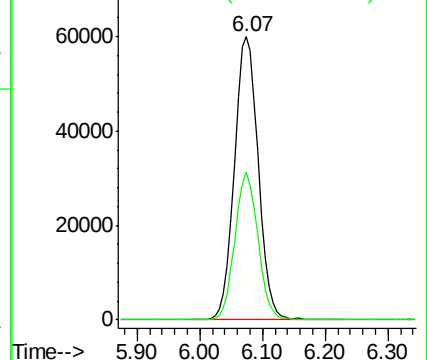
65 100

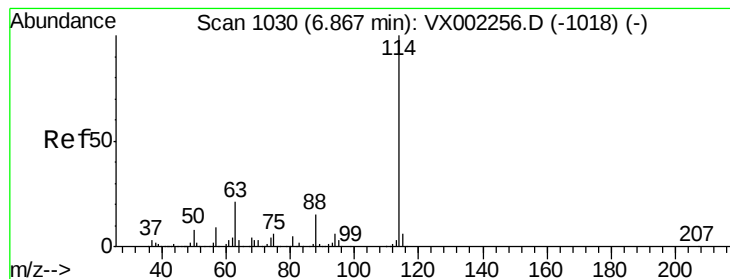
67 50.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002387.D

Acq: 07 Jun 2018 19:27

Instrument :

MSVOA_X

ClientSampleId :

A&M-WATER

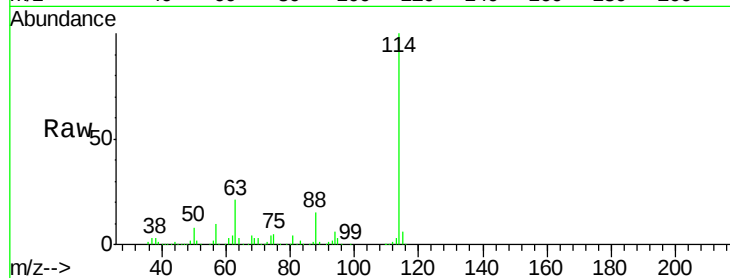
Tot Ion:114 Resp: 327712

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.4

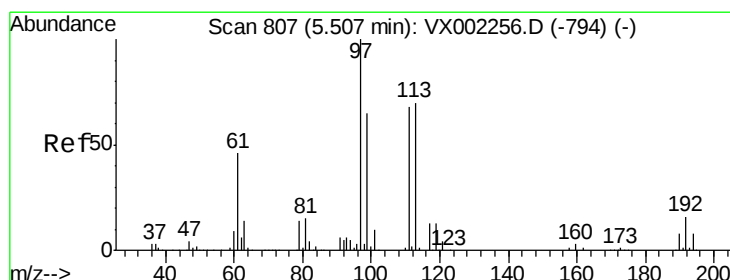
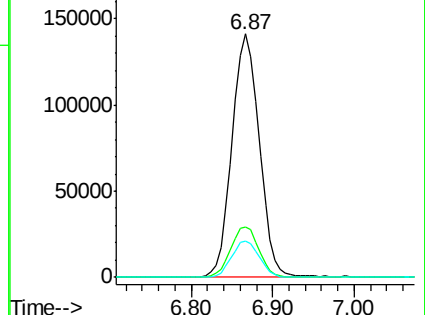
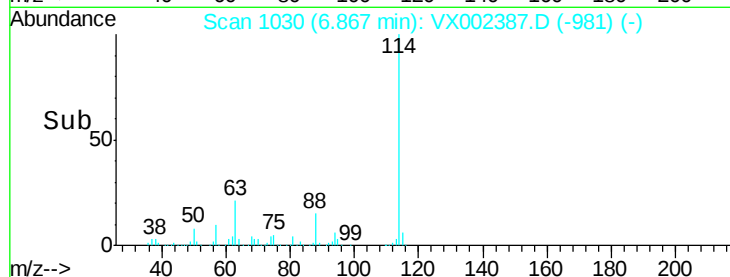
88 14.8 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.72 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002387.D

Acq: 07 Jun 2018 19:27

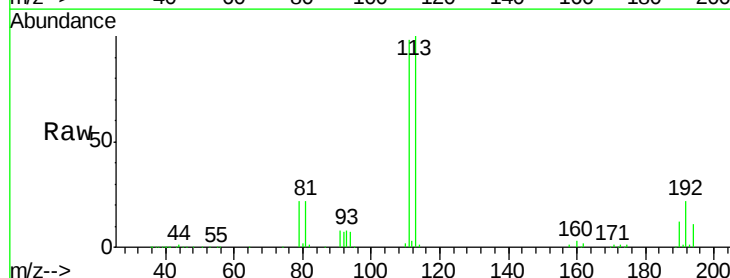
Tgt Ion:113 Resp: 117833

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

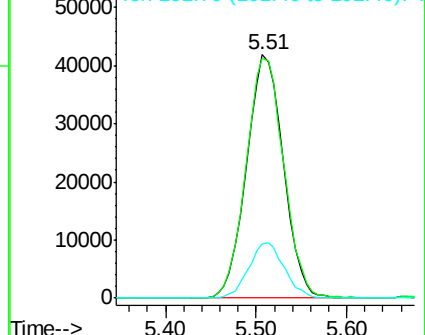
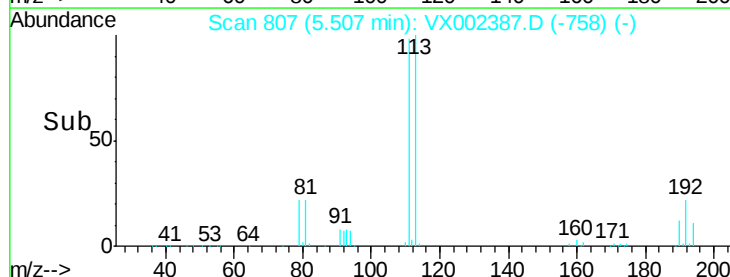
192 22.2 19.1 28.7

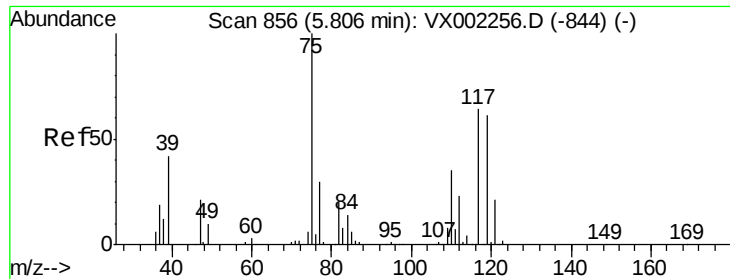


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

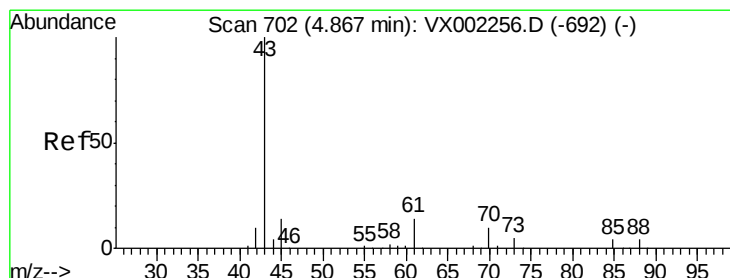
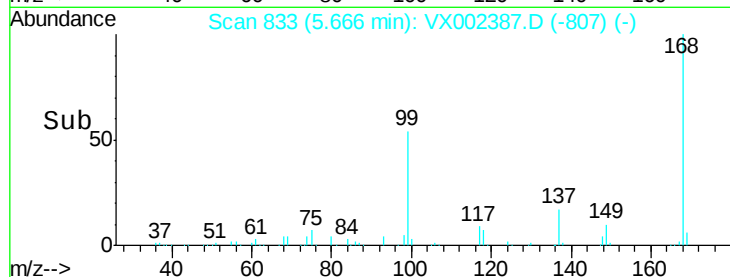
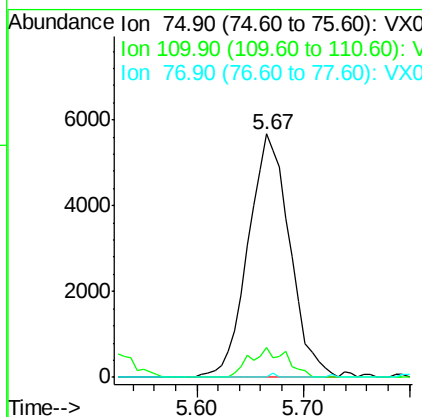
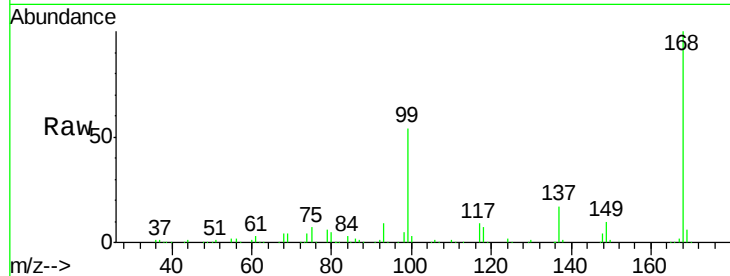




#36
 1,1-Dichloropropene
 Concen: 4.50 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX002387.D
 Acq: 07 Jun 2018 19:27

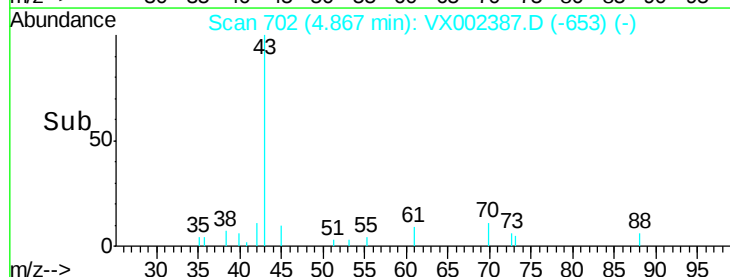
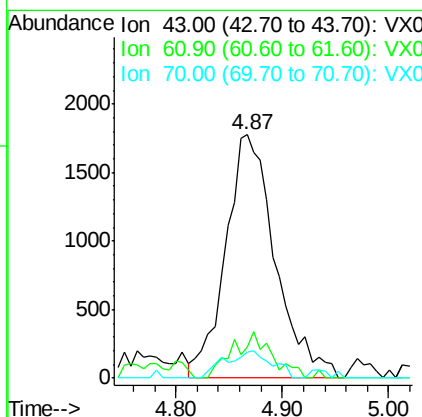
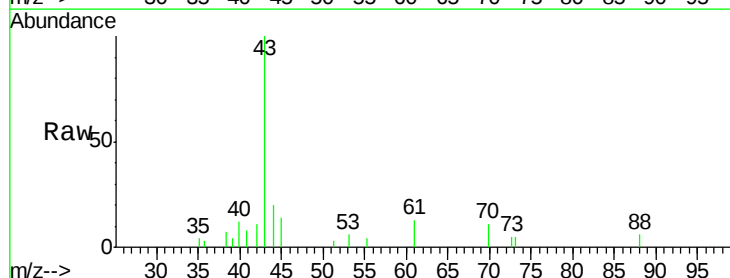
Instrument :
 MSVOA_X
 ClientSampled :
 A&M-WATER

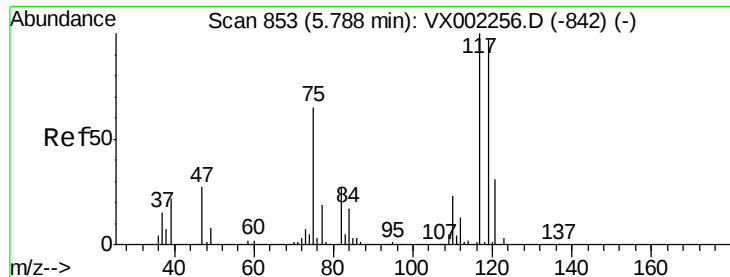
Tot Ion: 75 Resp: 15488
 Ion Ratio Lower Upper
 75 100
 110 10.9 18.1 54.4#
 77 0.2 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 1.40 ug/l
 RT: 4.87 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: VX002387.D
 Acq: 07 Jun 2018 19:27

Tgt Ion: 43 Resp: 5791
 Ion Ratio Lower Upper
 43 100
 61 14.9 10.4 15.6
 70 7.1 7.6 11.4#





#38

Carbon Tetrachloride

Concen: 5.85 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002387.D

Acq: 07 Jun 2018 19:27

Instrument :

MSVOA_X

ClientSampled :

A&M-WATER

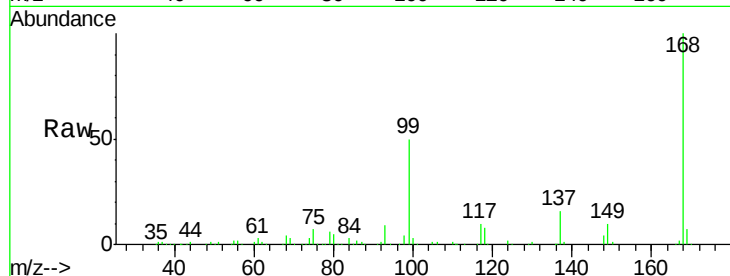
Tot Ion:117 Resp: 21076

Ion Ratio Lower Upper

117 100

119 3.6 77.4 116.0#

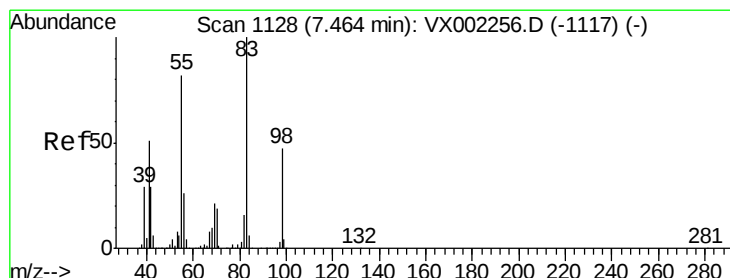
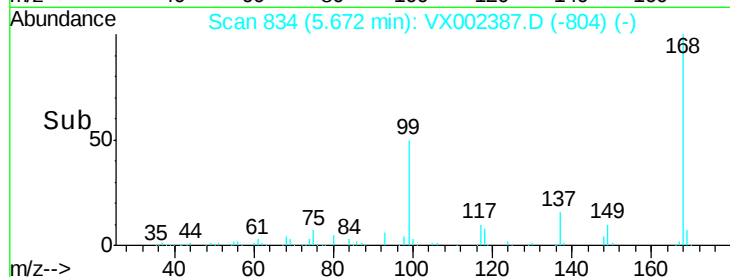
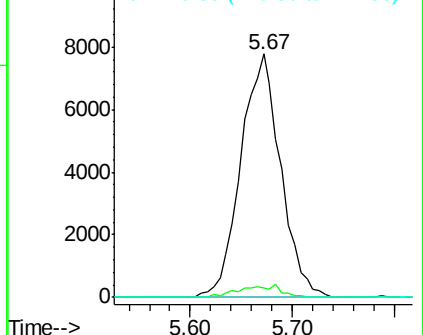
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.28 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX002387.D

Acq: 07 Jun 2018 19:27

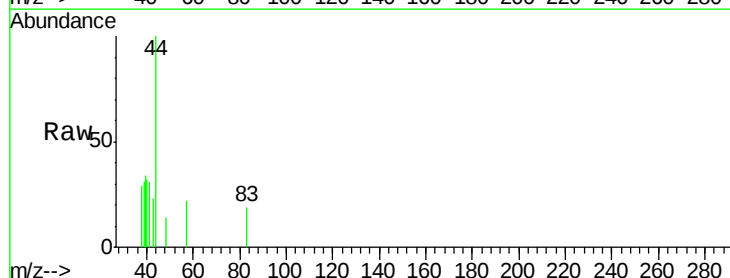
Tgt Ion: 83 Resp: 67

Ion Ratio Lower Upper

83 100

55 0.0 65.4 98.0#

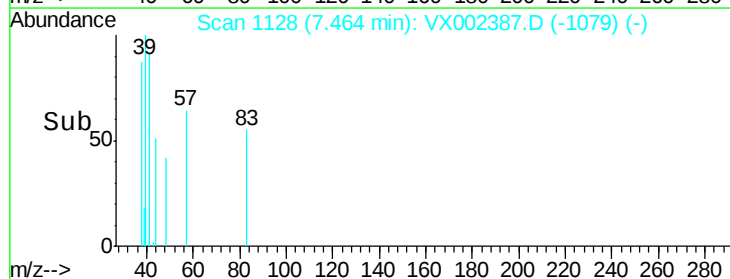
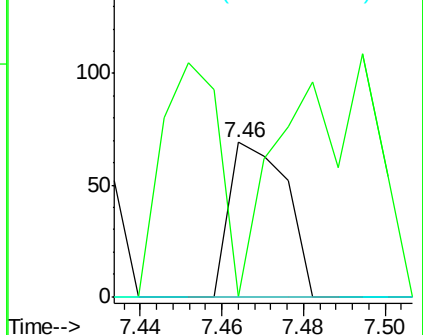
98 0.0 37.4 56.0#

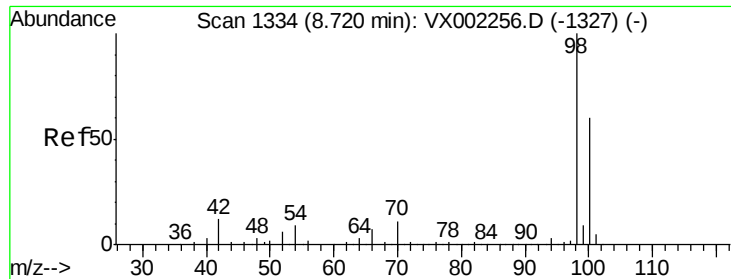


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

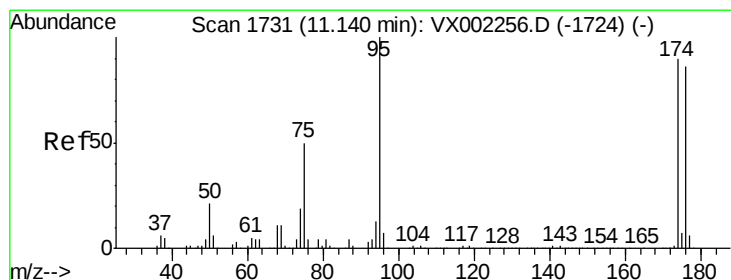
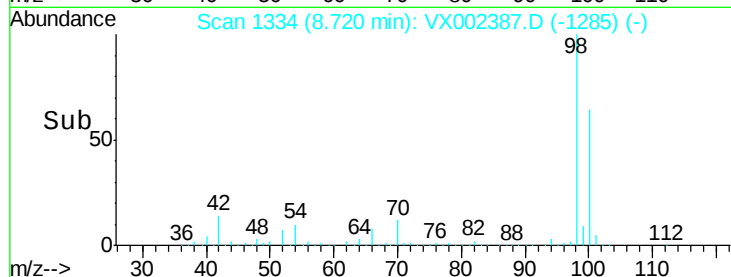
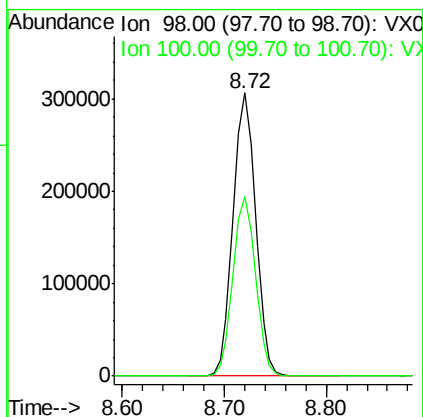
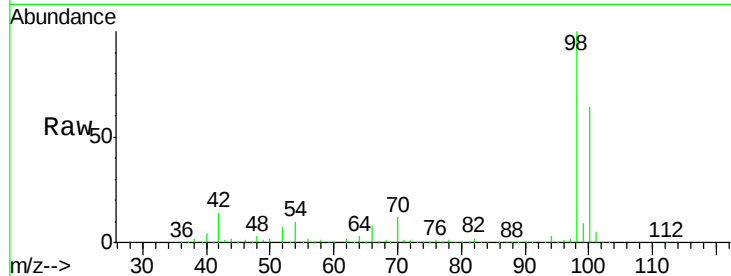




#50
Toluene-d8
Concen: 47.54 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002387.D
Acq: 07 Jun 2018 19:27

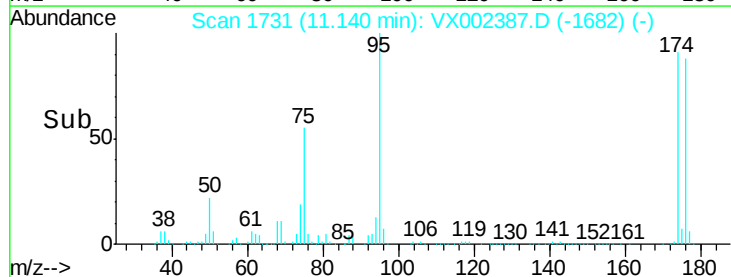
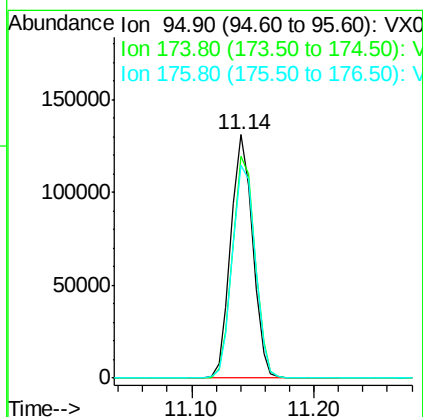
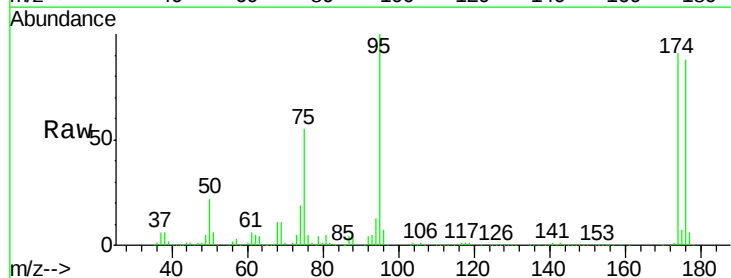
Instrument :
MSVOA_X
ClientSampleId :
A&M-WATER

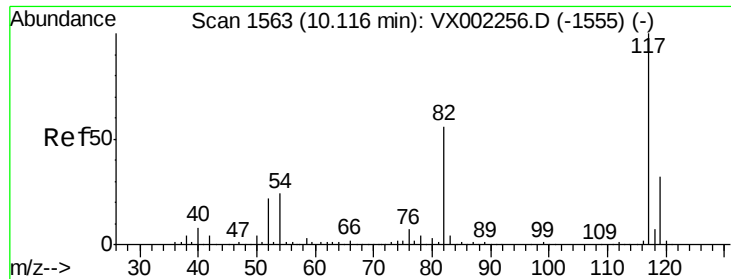
Tot Ion: 98 Resp: 469560
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 42.45 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002387.D
Acq: 07 Jun 2018 19:27

Tgt Ion: 95 Resp: 161702
Ion Ratio Lower Upper
95 100
174 94.0 0.0 187.4
176 91.5 0.0 181.0

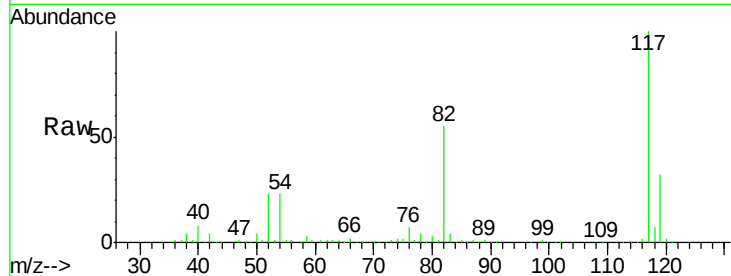




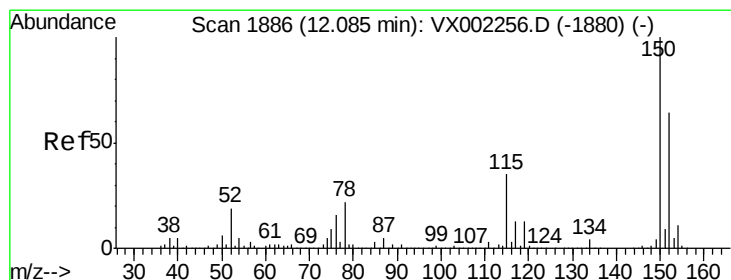
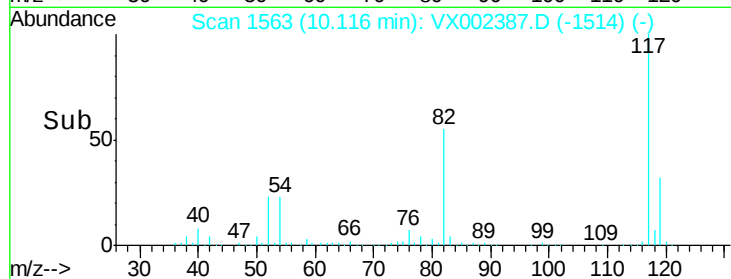
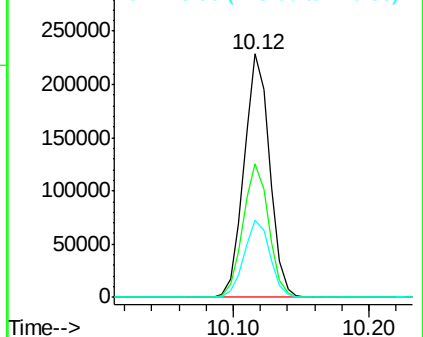
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002387.D
Acq: 07 Jun 2018 19:27

Instrument :
MSVOA_X
ClientSampleId :
A&M-WATER

Tot Ion:117 Resp: 300926
Ion Ratio Lower Upper
117 100
82 54.6 45.0 67.4
119 31.6 25.8 38.6

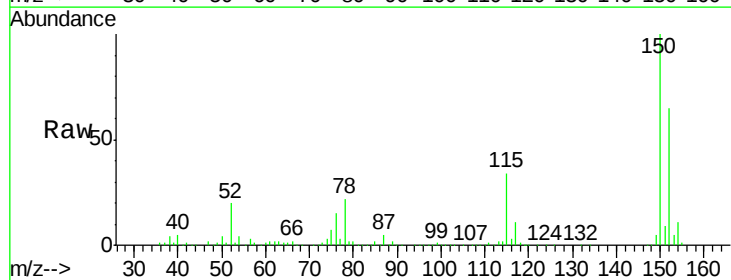


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

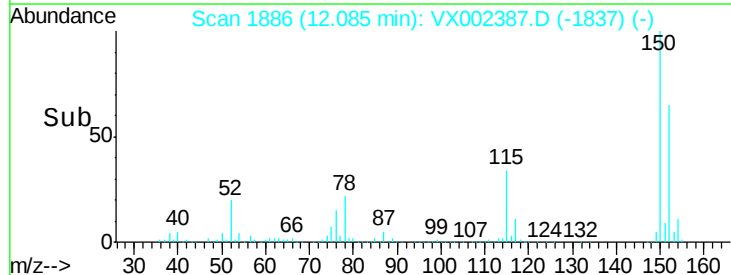
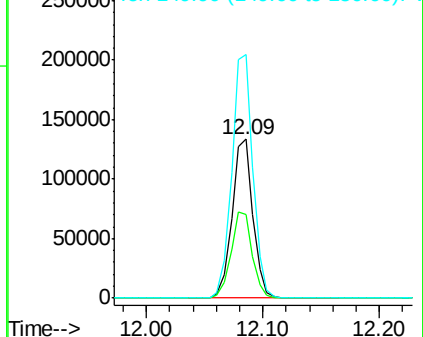


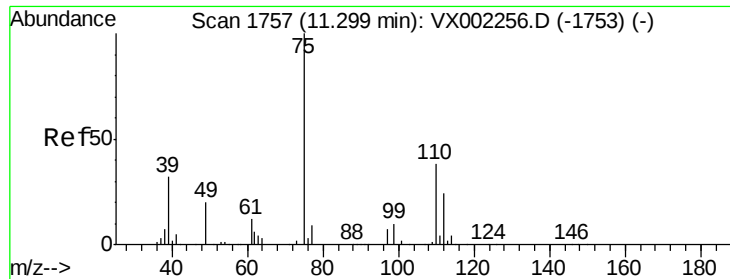
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002387.D
Acq: 07 Jun 2018 19:27

Tgt Ion:152 Resp: 165355
Ion Ratio Lower Upper
152 100
115 55.0 40.1 120.2
150 155.6 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

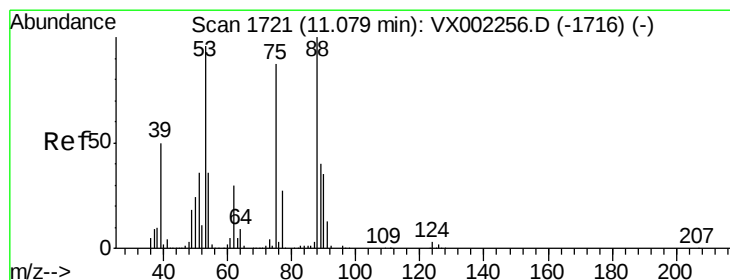
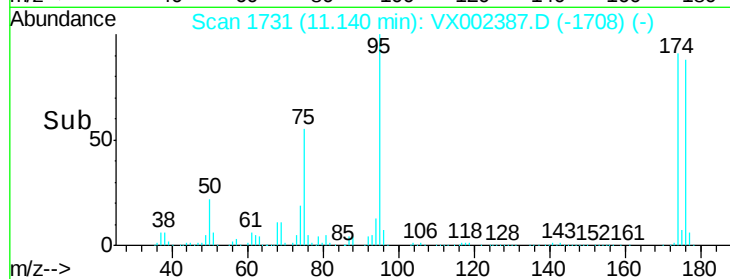
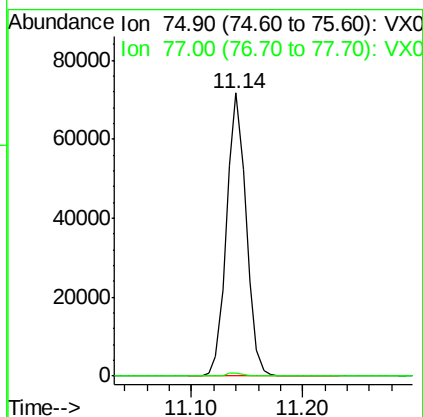
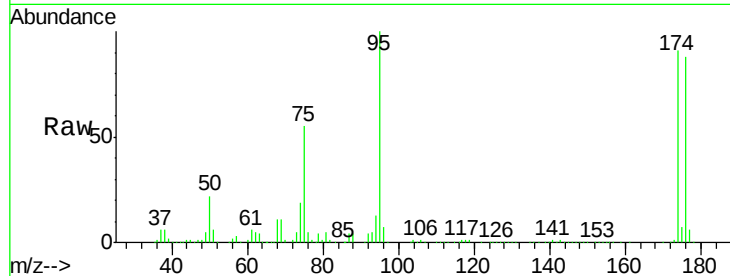




#76
 1,2,3-Trichloropropane
 Concen: 24.07 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002387.D
 Acq: 07 Jun 2018 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 A&M-WATER

Tot Ion: 75 Resp: 87318
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.36 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002387.D
 Acq: 07 Jun 2018 19:27

Tgt Ion: 75 Resp: 87318
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.8 130.2#
 89 0.1 38.2 57.2#

