

Data File : VU034500.D
Acq On : 12 Sep 2019 01:17
Operator : JC/SP
Sample : K4790-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DRUM-2

Quant Time: Sep 12 04:48:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	227570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	344710	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	365541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	204918	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	212889	61.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.66%	
35) Dibromofluoromethane	4.86	113	184515	57.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.06%	
50) Toluene-d8	7.54	98	673738	55.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.82%	
62) 4-Bromofluorobenzene	10.29	95	225714	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	

Target Compounds			Qvalue			
5) Bromomethane	1.63	94	478	Below Cal	#	68
6) Chloroethane	1.68	64	224	Below Cal	#	43
8) Diethyl Ether	2.10	74	1227	0.701	ug/l	94
10) Methyl Iodide	2.41	142	67	3.872	ug/l #	43
11) Tert butyl alcohol	2.82	59	7190	9.884	ug/l #	83
13) Acrolein	2.19	56	2244	3.670	ug/l #	81
14) Allyl chloride	2.55	41	9770	2.064	ug/l #	46
15) Acrylonitrile	2.94	53	3534	1.951	ug/l #	89
16) Acetone	2.31	43	61466	34.496	ug/l	97
18) Methyl Acetate	2.61	43	3958	0.913	ug/l	99
20) Methylene Chloride	2.69	84	55738	18.849	ug/l	99
25) 2-Butanone	4.27	43	5739	2.413	ug/l	91
31) Cyclohexane	4.96	56	3835	0.951	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	15829	4.234	ug/l #	48
38) Carbon Tetrachloride	4.96	117	20102	5.036	ug/l #	17
40) Benzene	5.38	78	7920	0.657	ug/l	94
43) Isopropyl Acetate	5.53	43	68450	9.927	ug/l	99
48) Methyl methacrylate	6.68	41	101324	30.939	ug/l #	37
49) 1,4-Dioxane	6.68	88	22	0.308	ug/l #	1
51) 4-Methyl-2-Pentanone	7.40	43	53225	11.152	ug/l #	46
52) Toluene	7.62	92	2743	0.362	ug/l	97
54) cis-1,3-Dichloropropene	7.40	75	29050	5.604	ug/l #	67
56) Ethyl methacrylate	8.01	69	9565	4.796	ug/l	95
57) 1,3-Dichloropropane	8.40	76	3581	0.640	ug/l #	43
59) 2-Hexanone	8.40	43	43758	12.272	ug/l	62
74) N-amyl acetate	10.02	43	1215	0.226	ug/l #	34
76) 1,2,3-Trichloropropane	10.29	75	107226	23.972	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	107226	80.616	ug/l #	100
95) Naphthalene	13.80	128	276	3.985	ug/l #	69

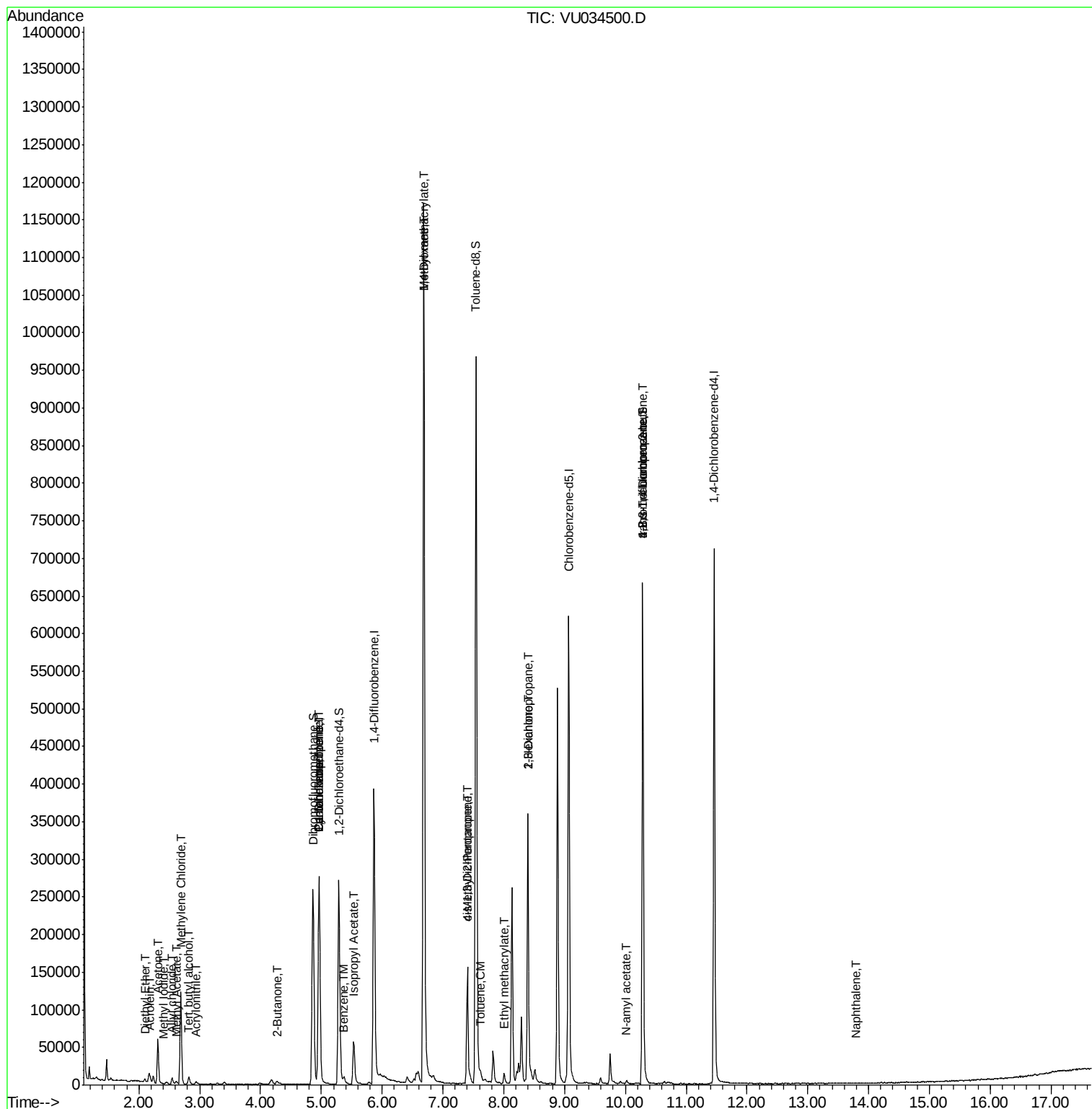
(#) = qualifier out of range (m) = manual integration (+) = signals summed

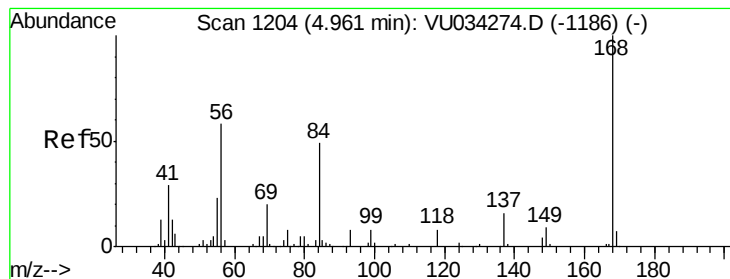
Data File : VU034500.D

```
Acq On       : 12 Sep 2019   01:17
Operator     : JC/SP
Sample       : K4790-05
Misc         : 5.0mL/MSVOA_U/WATER
ALS Vial     : 23      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
DRUM-2

Quant Time: Sep 12 04:48:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

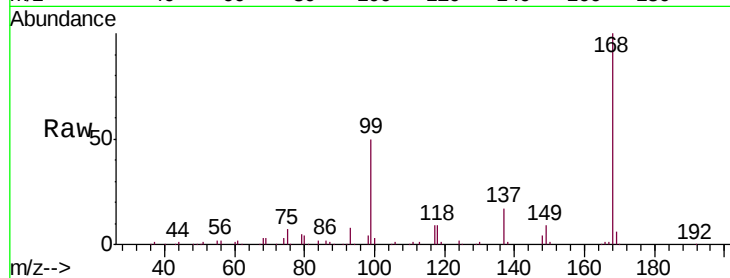
DRUM-2

Tgt Ion:168 Resp: 227570

Ion Ratio Lower Upper

168 100

99 50.2 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

100000

80000

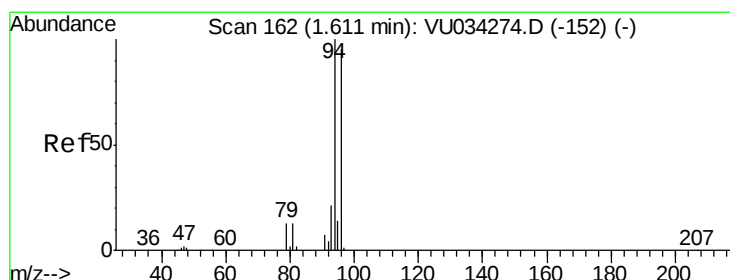
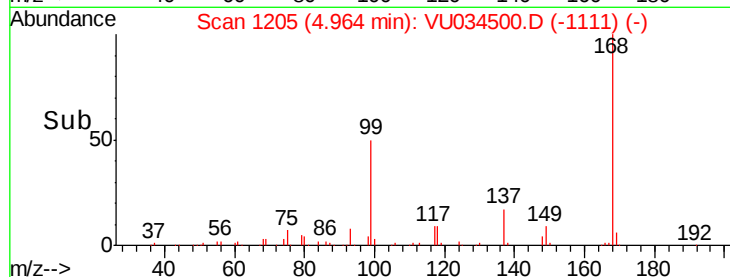
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU034500.D

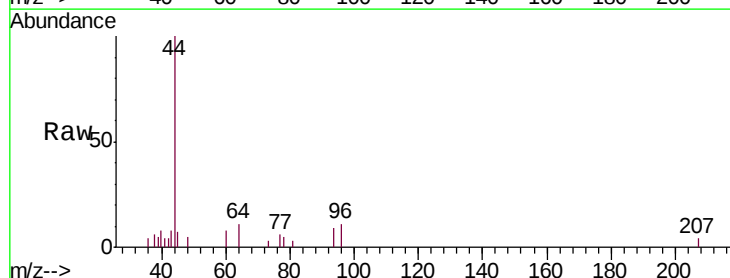
Acq: 12 Sep 2019 01:17

Tgt Ion: 94 Resp: 478

Ion Ratio Lower Upper

94 100

96 125.6 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

1.63

400

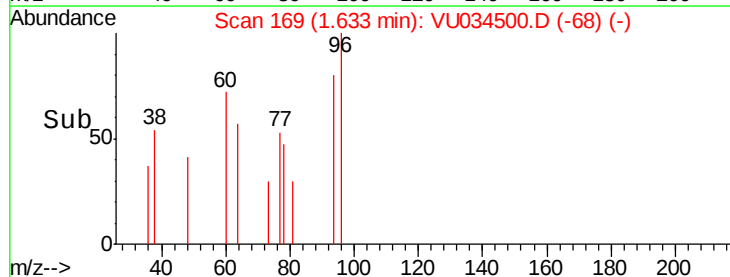
300

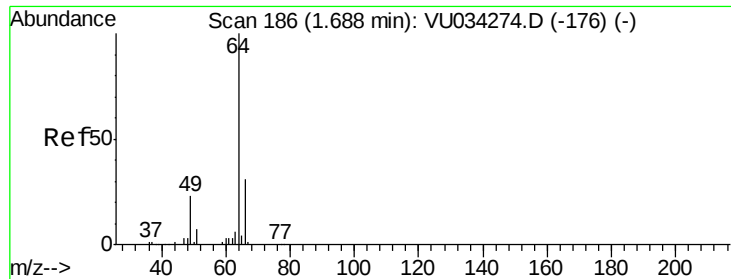
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 182

Delta R.T. -0.01 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

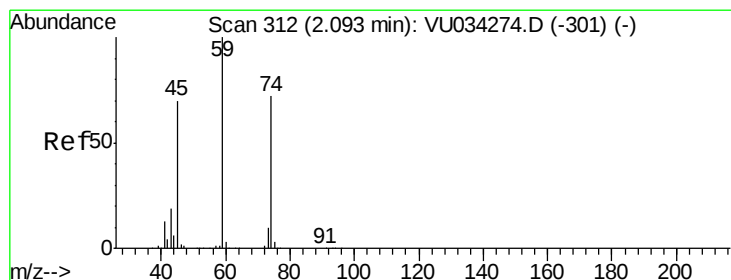
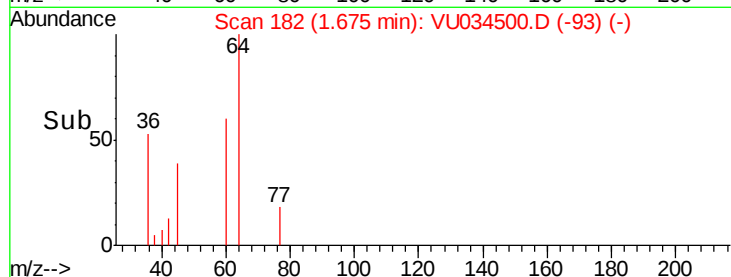
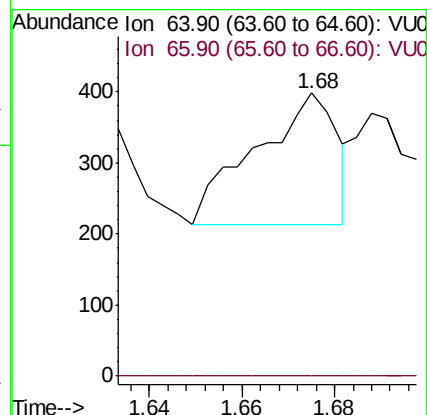
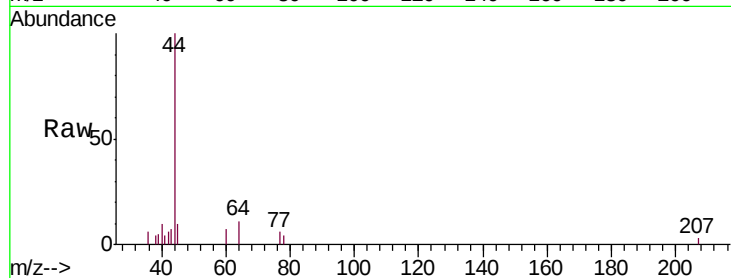
DRUM-2

Tgt Ion: 64 Resp: 224

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#8

Diethyl Ether

Concen: 0.701 ug/l

RT: 2.10 min Scan# 313

Delta R.T. 0.00 min

Lab File: VU034500.D

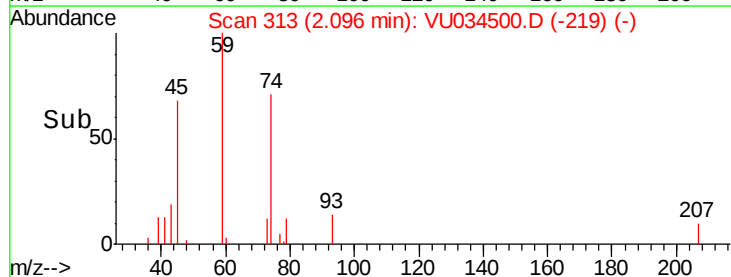
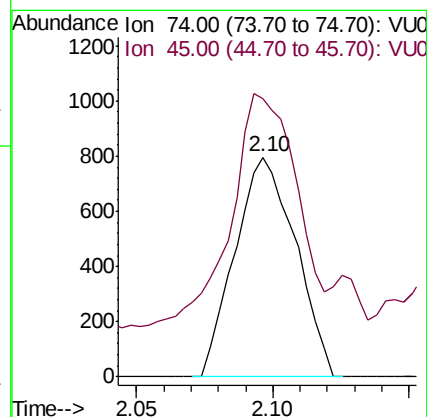
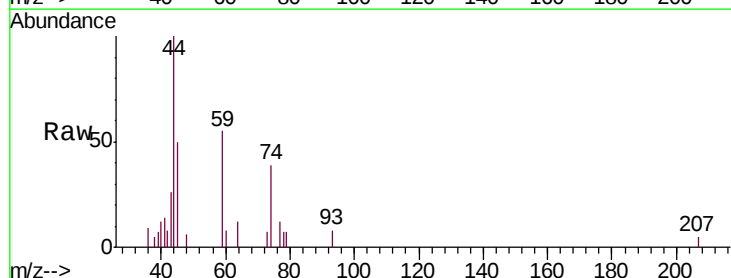
Acq: 12 Sep 2019 01:17

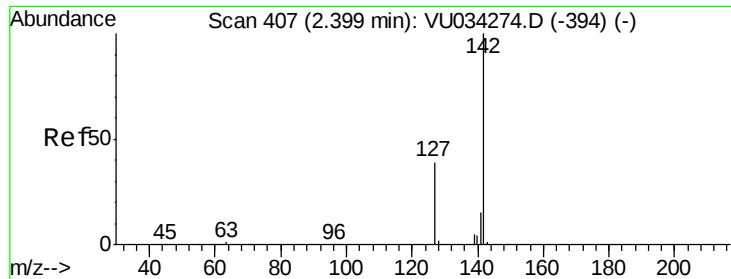
Tgt Ion: 74 Resp: 1227

Ion Ratio Lower Upper

74 100

45 102.1 48.2 144.6

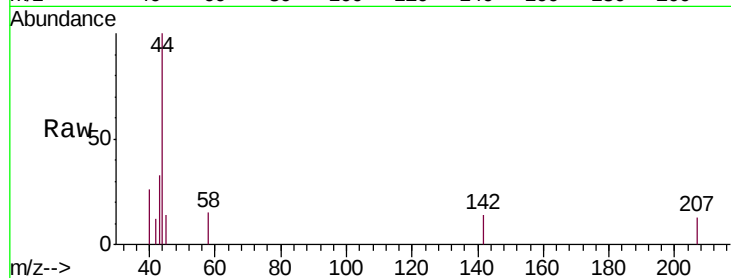




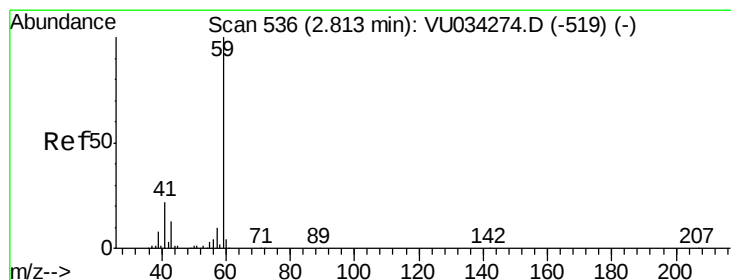
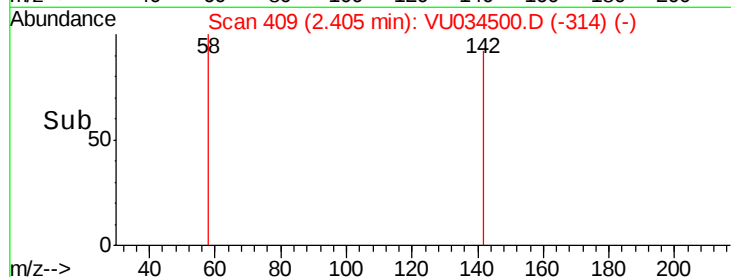
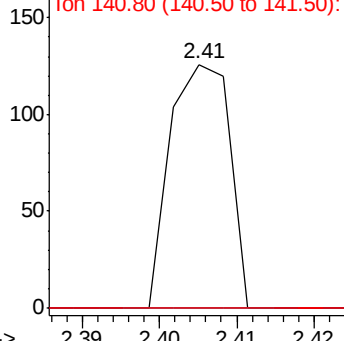
#10
Methyl Iodide
Concen: 3.872 ug/l
RT: 2.41 min Scan# 409
Delta R.T. 0.01 min
Lab File: VU034500.D
Acq: 12 Sep 2019 01:17

Instrument :
MSVOA_U
ClientSampleId :
DRUM-2

Tgt Ion: 142 Resp: 67
Ion Ratio Lower Upper
142 100
127 0.0 32.1 48.1#
141 0.0 11.5 17.3#

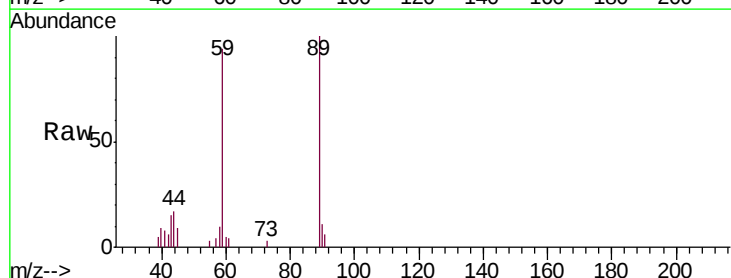


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

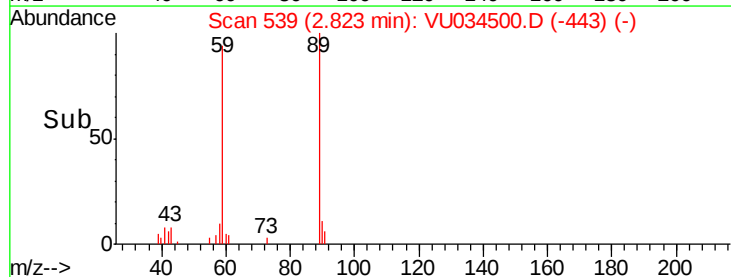
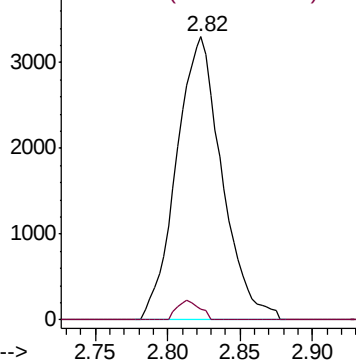


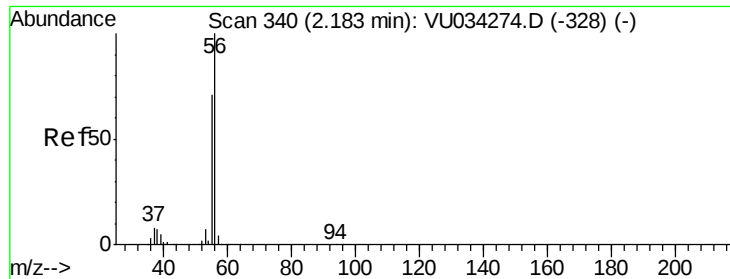
#11
Tert butyl alcohol
Concen: 9.884 ug/l
RT: 2.82 min Scan# 539
Delta R.T. 0.01 min
Lab File: VU034500.D
Acq: 12 Sep 2019 01:17

Tgt Ion: 59 Resp: 7190
Ion Ratio Lower Upper
59 100
57 3.4 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 3.670 ug/l

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

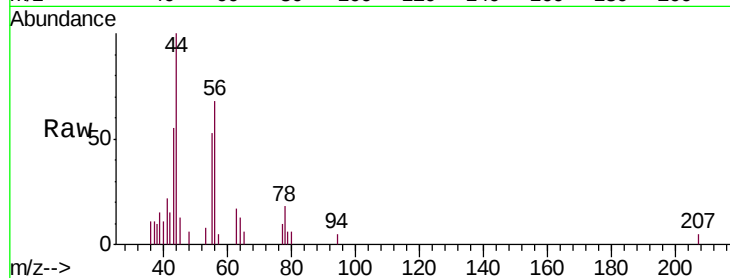
DRUM-2

Tgt Ion: 56 Resp: 2244

Ion Ratio Lower Upper

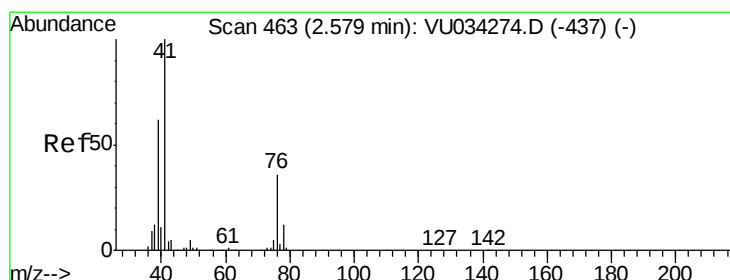
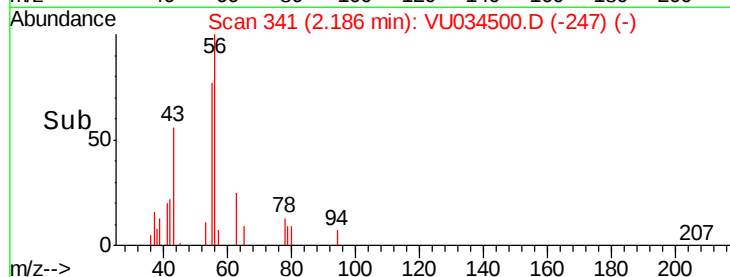
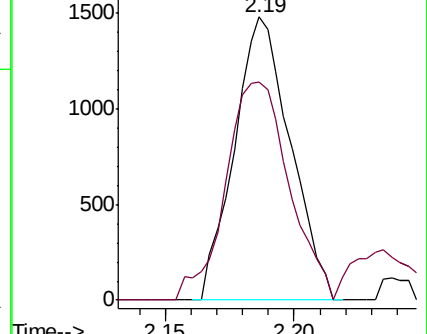
56 100

55 87.4 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 2.064 ug/l

RT: 2.55 min Scan# 453

Delta R.T. -0.03 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

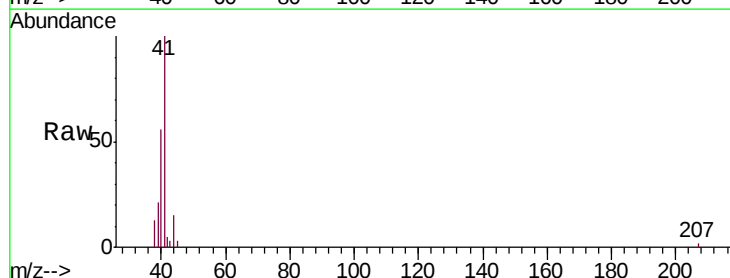
Tgt Ion: 41 Resp: 9770

Ion Ratio Lower Upper

41 100

39 17.6 43.5 65.3#

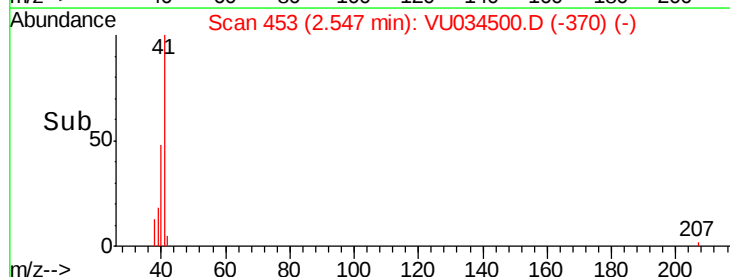
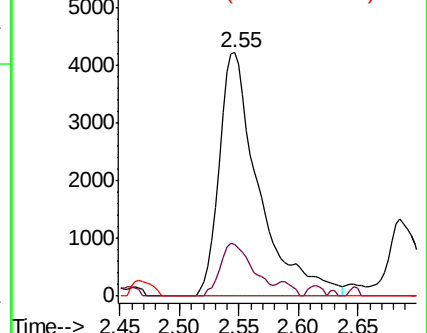
76 0.0 27.0 40.6#

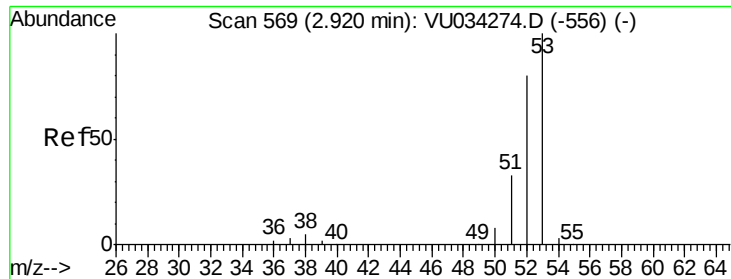


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 1.951 ug/l

RT: 2.94 min Scan# 576

Delta R.T. 0.02 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

DRUM-2

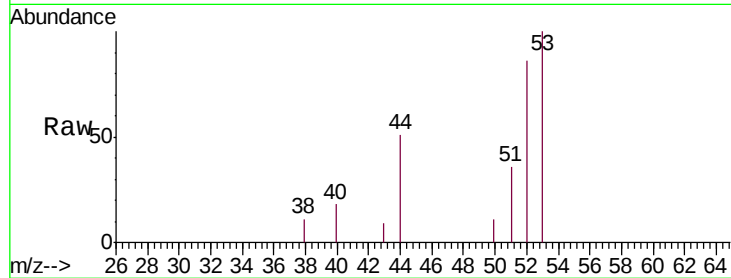
Tgt Ion: 53 Resp: 3534

Ion Ratio Lower Upper

53 100

52 73.9 64.1 96.1

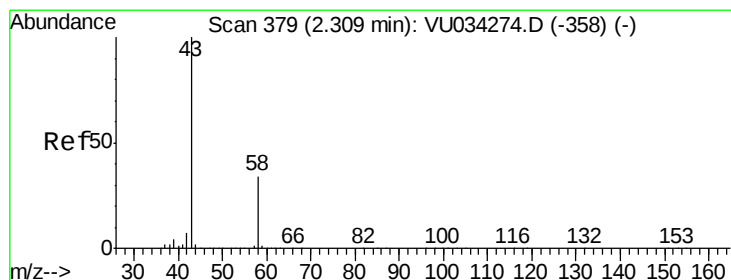
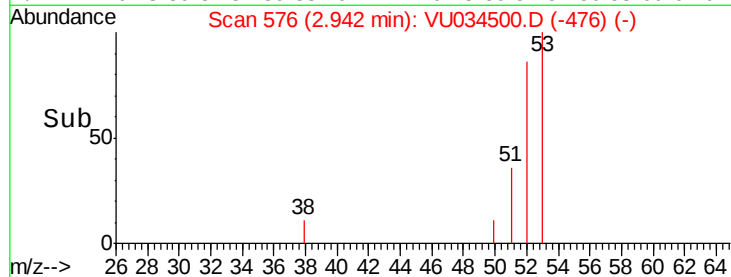
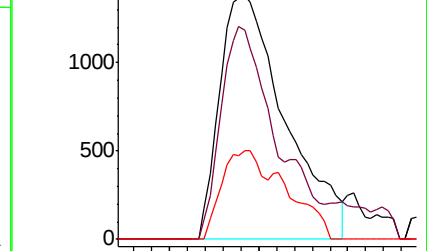
51 22.7 27.4 41.0#



Abundance Ion 53.00 (52.70 to 53.70): VU034500.D (-556) (-)

Ion 52.00 (51.70 to 52.70): VU034500.D (-556) (-)

Ion 51.00 (50.70 to 51.70): VU034500.D (-556) (-)



#16

Acetone

Concen: 34.496 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034500.D

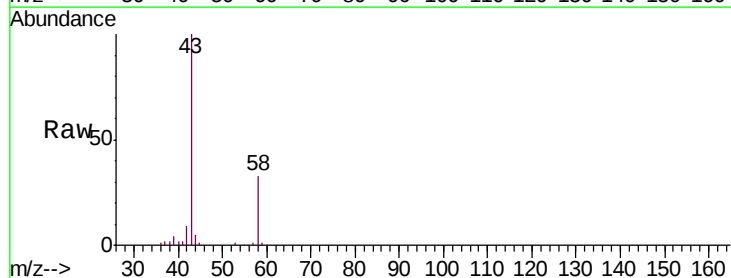
Acq: 12 Sep 2019 01:17

Tgt Ion: 43 Resp: 61466

Ion Ratio Lower Upper

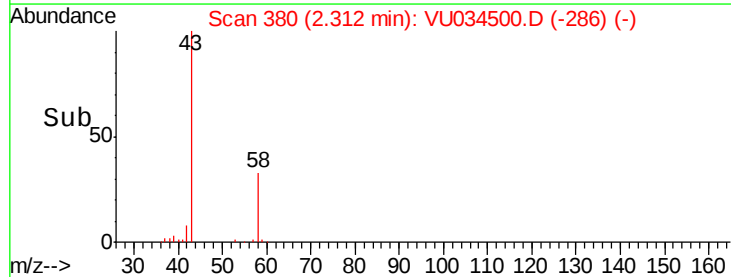
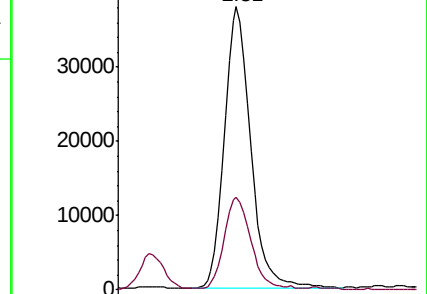
43 100

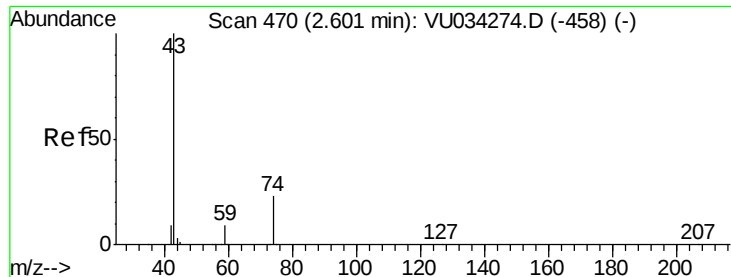
58 32.8 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034500.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034500.D (-286) (-)





#18

Methyl Acetate

Concen: 0.913 ug/l

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

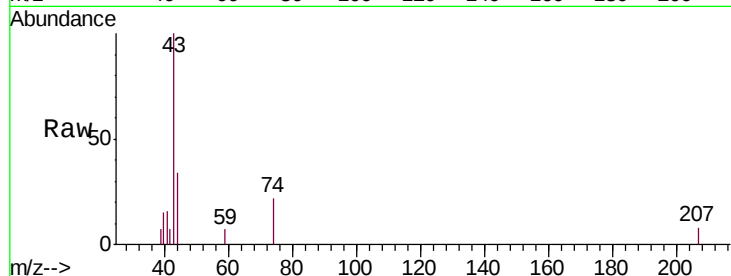
DRUM-2

Tgt Ion: 43 Resp: 3958

Ion Ratio Lower Upper

43 100

74 23.1 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU034274.D (-458) (-)

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

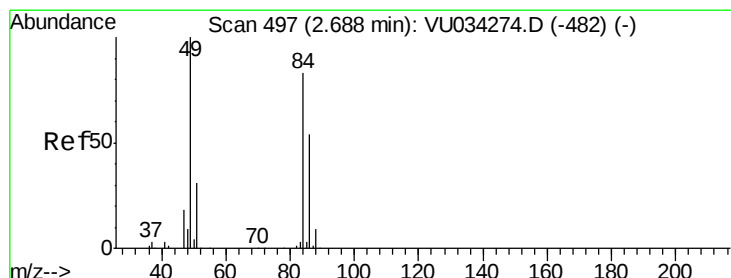
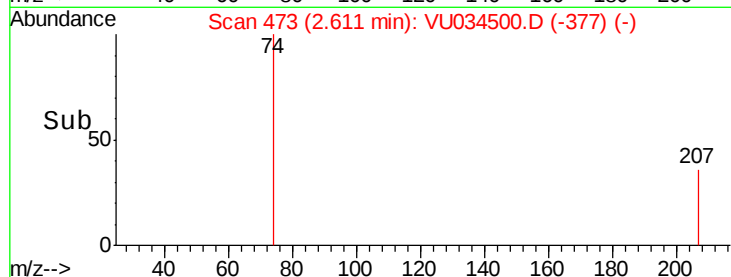
2.61

2.61

2.61

2.61

2.61



#20

Methylene Chloride

Concen: 18.849 ug/l

RT: 2.69 min Scan# 497

Delta R.T. -0.00 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Tgt Ion: 84 Resp: 55738

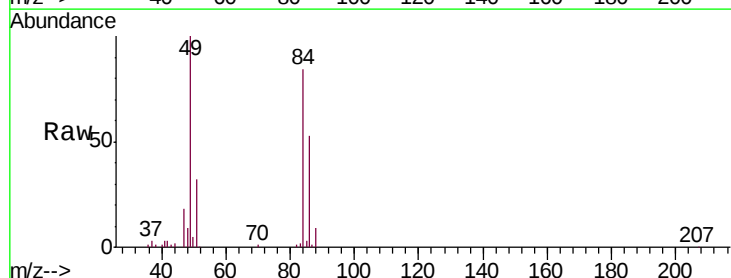
Ion Ratio Lower Upper

84 100

49 119.5 96.0 144.0

51 37.9 30.0 45.0

86 63.2 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VU034274.D (-482) (-)

Ion 48.90 (48.60 to 49.60): VU034274.D (-482) (-)

Ion 50.90 (50.60 to 51.60): VU034274.D (-482) (-)

Ion 85.90 (85.60 to 86.60): VU034274.D (-482) (-)

2.69

2.69

2.69

2.69

2.69

2.69

2.69

2.69

2.69

2.69

2.69

2.69

2.69

2.69

2.69

2.69

2.69

2.69

2.69

2.69

2.69

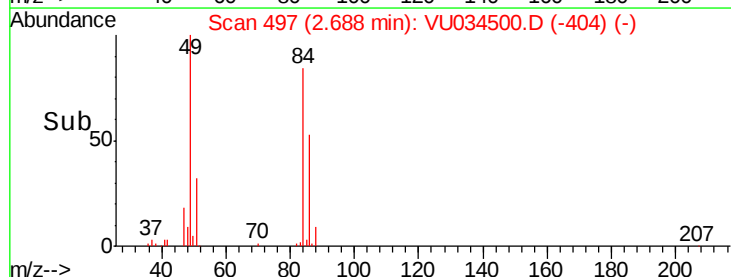
2.69

2.69

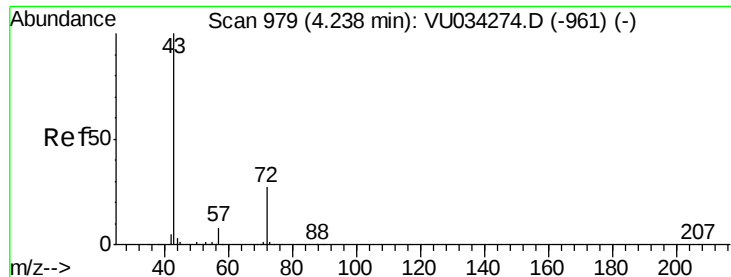
2.69

2.69

2.69



Time-->



#25

2-Butanone

Concen: 2.413 ug/l

RT: 4.27 min Scan# 989

Delta R.T. 0.03 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

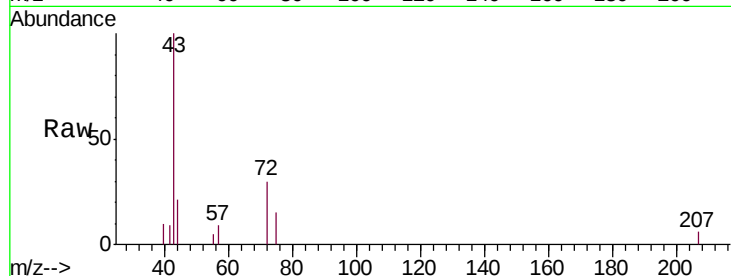
DRUM-2

Tgt Ion: 43 Resp: 5739

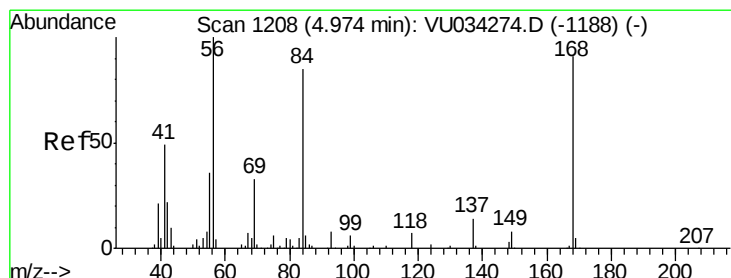
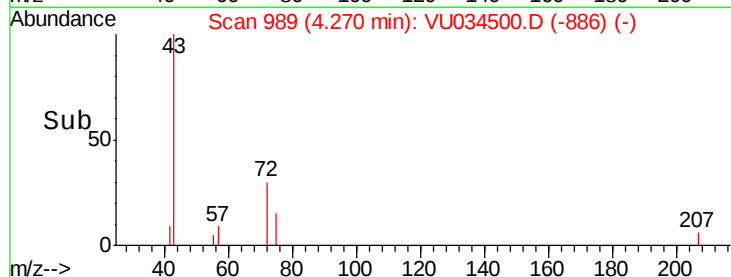
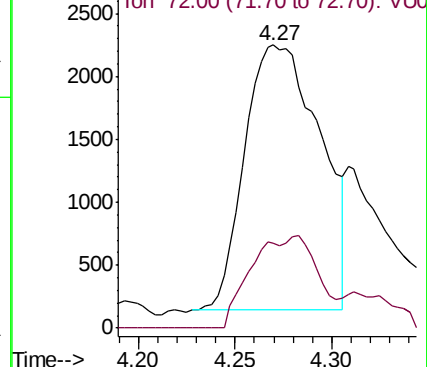
Ion Ratio Lower Upper

43 100

72 32.0 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-961) (-)



#31

Cyclohexane

Concen: 0.951 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

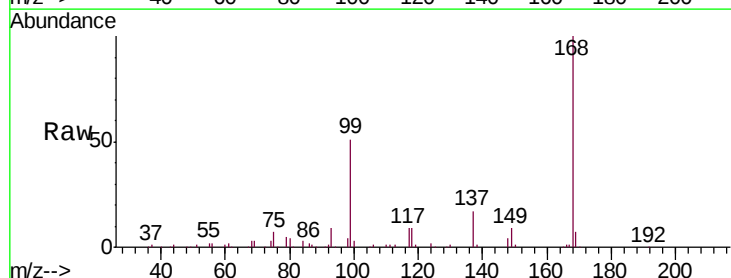
Tgt Ion: 56 Resp: 3835

Ion Ratio Lower Upper

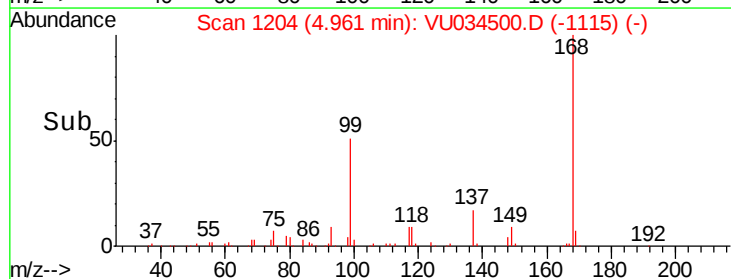
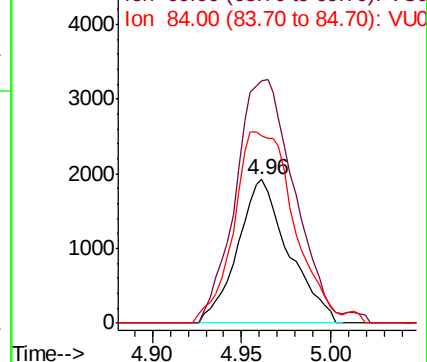
56 100

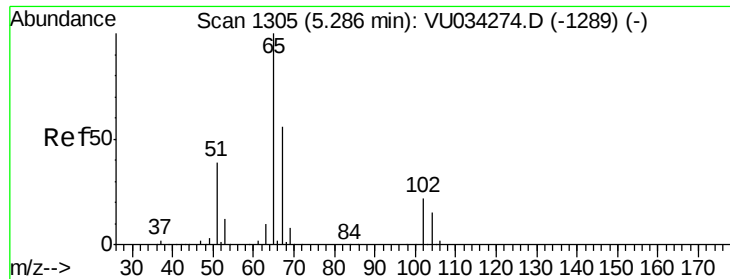
69 168.9 26.7 40.1#

84 131.0 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-1188) (-)

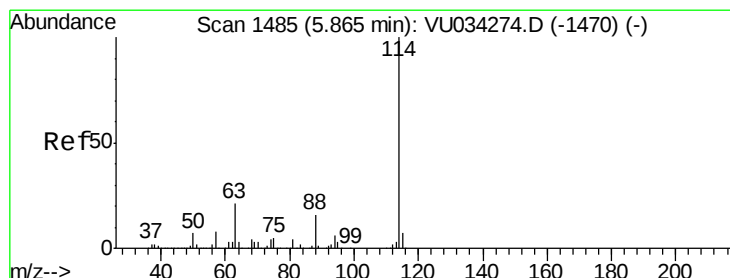
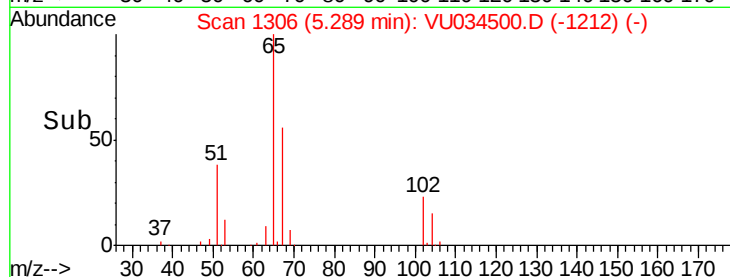
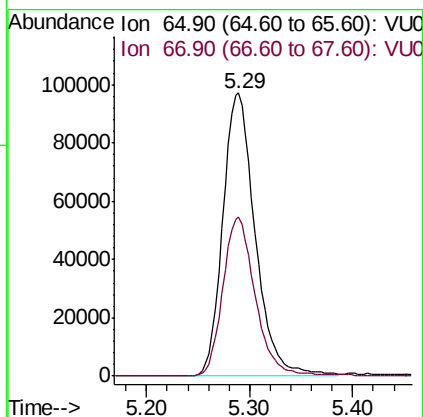
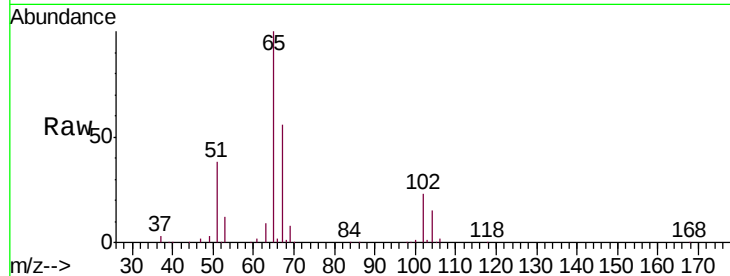




#33
 1,2-Dichloroethane-d4
 Concen: 61.829 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034500.D
 Acq: 12 Sep 2019 01:17

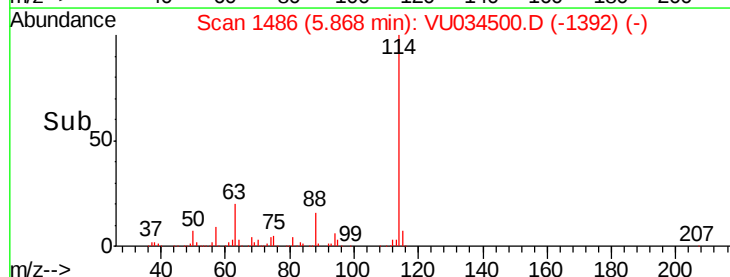
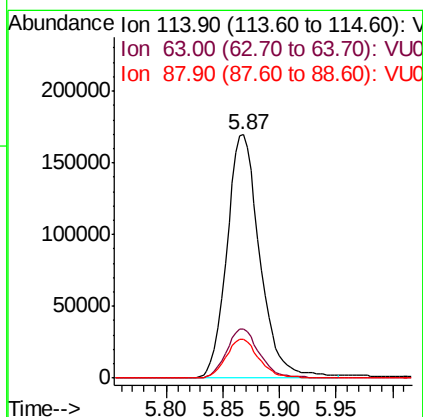
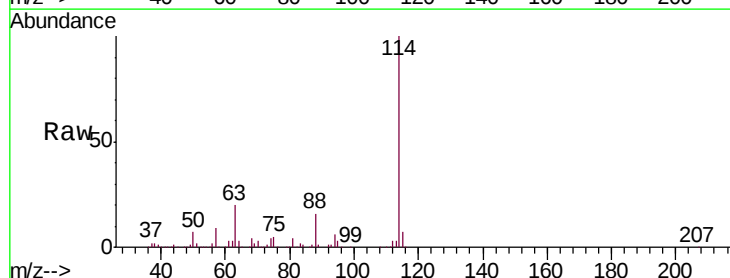
Instrument :
 MSVOA_U
 ClientSampleId :
 DRUM-2

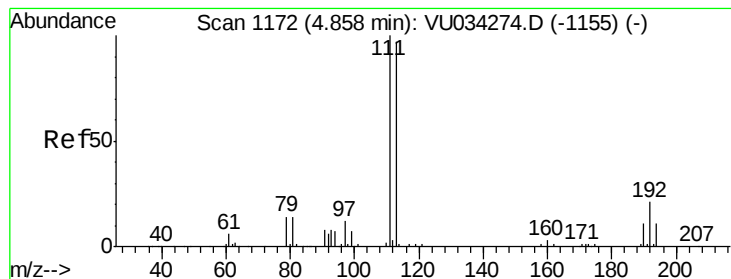
Tgt Ion: 65 Resp: 212889
 Ion Ratio Lower Upper
 65 100
 67 56.5 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034500.D
 Acq: 12 Sep 2019 01:17

Tgt Ion: 114 Resp: 344710
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.4
 88 16.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 57.525 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampled :

DRUM-2

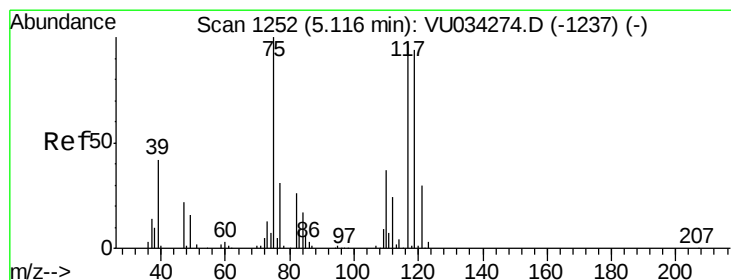
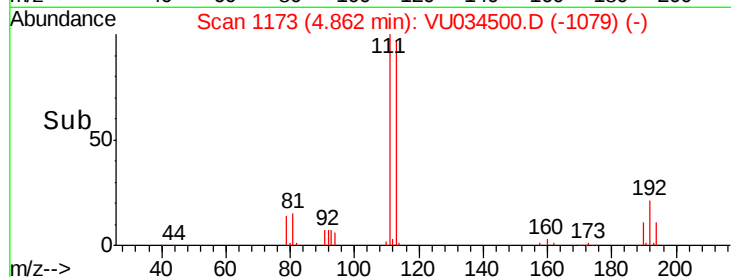
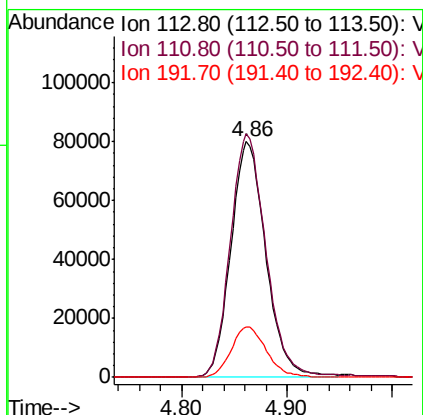
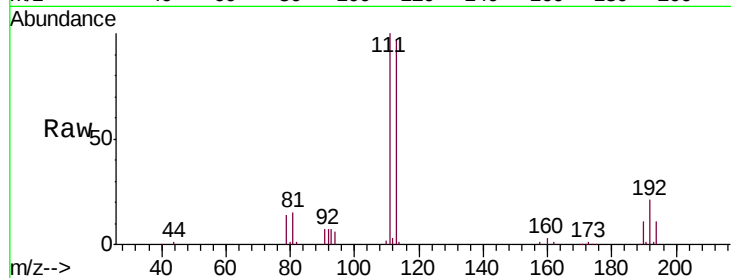
Tgt Ion:113 Resp: 184515

Ion Ratio Lower Upper

113 100

111 104.3 81.5 122.3

192 21.8 17.8 26.8



#36

1,1-Dichloropropene

Concen: 4.234 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.15 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

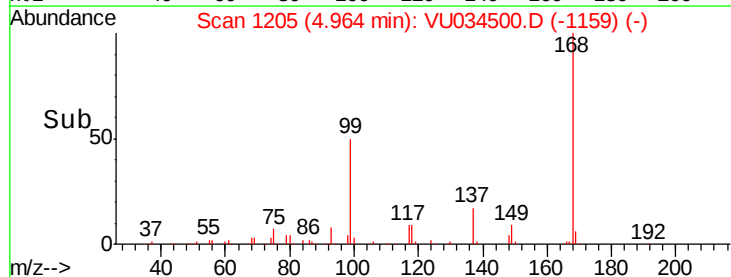
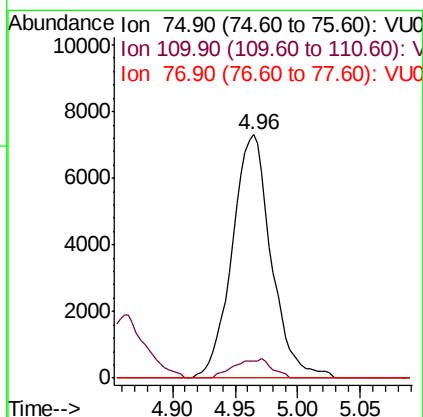
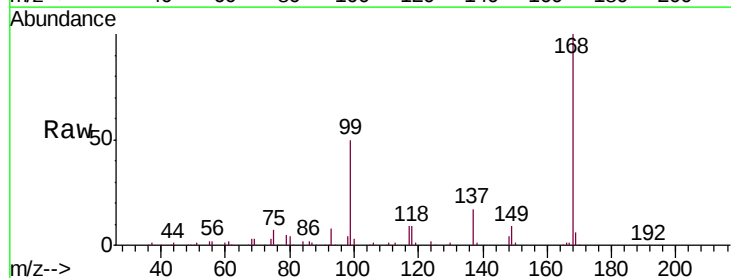
Tgt Ion: 75 Resp: 15829

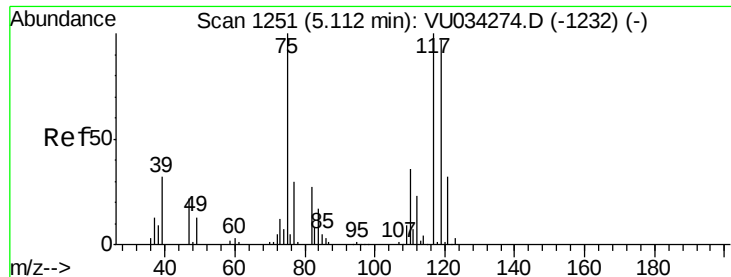
Ion Ratio Lower Upper

75 100

110 7.6 18.3 54.9#

77 0.0 24.9 37.3#

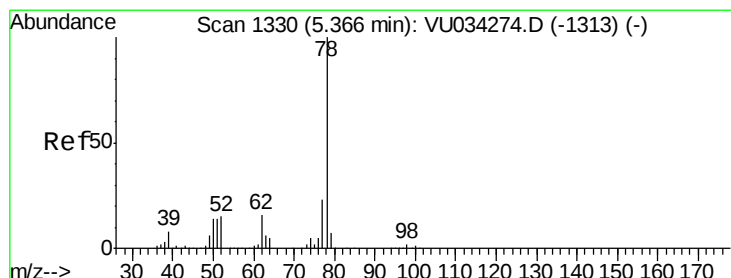
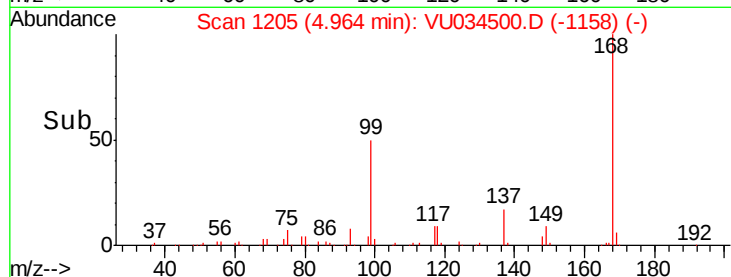
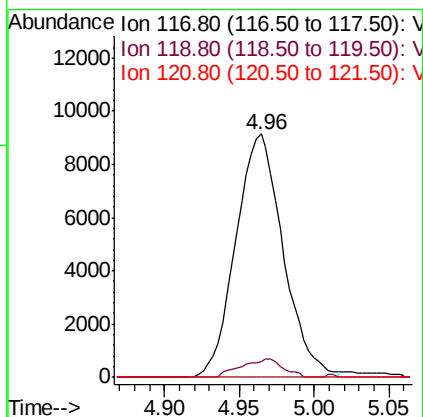
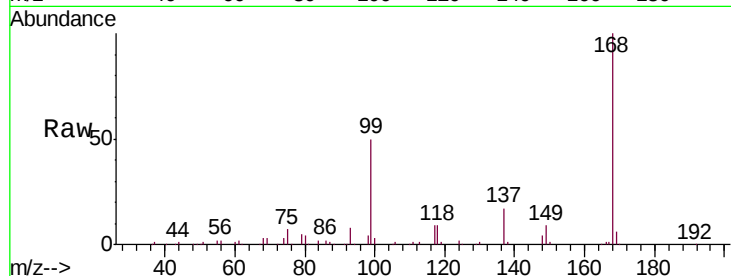




#38
Carbon Tetrachloride
Concen: 5.036 ug/l
RT: 4.96 min Scan# 1205
Delta R.T. -0.15 min
Lab File: VU034500.D
Acq: 12 Sep 2019 01:17

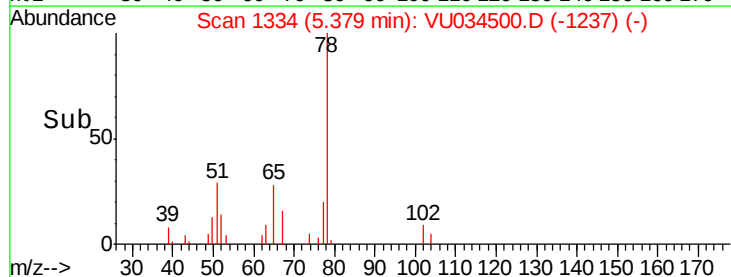
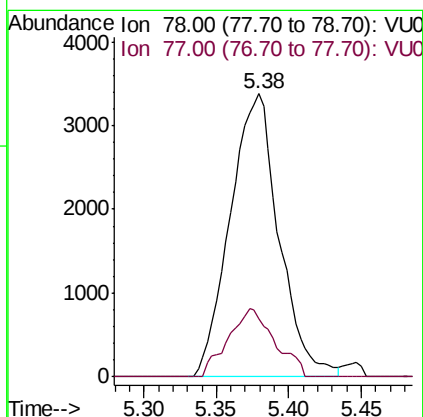
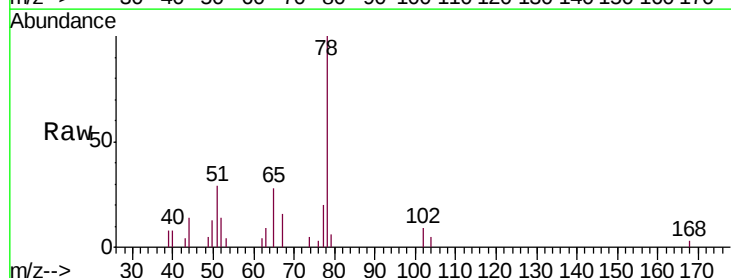
Instrument :
MSVOA_U
ClientSampleId :
DRUM-2

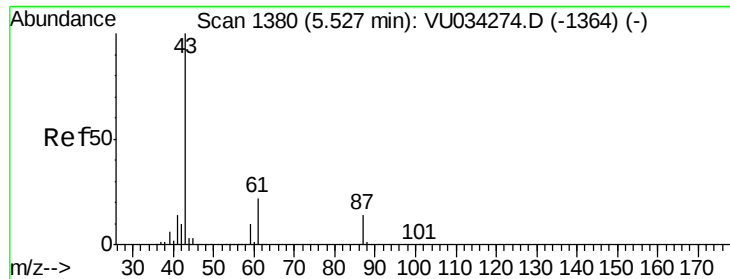
Tgt Ion: 117 Resp: 20102
Ion Ratio Lower Upper
117 100
119 6.6 77.8 116.6#
121 0.0 25.2 37.8#



#40
Benzene
Concen: 0.657 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. 0.01 min
Lab File: VU034500.D
Acq: 12 Sep 2019 01:17

Tgt Ion: 78 Resp: 7920
Ion Ratio Lower Upper
78 100
77 20.3 18.7 28.1





#43

Isopropyl Acetate

Concen: 9.927 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

DRUM-2

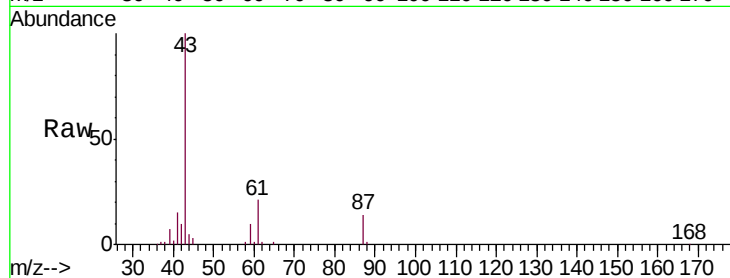
Tgt Ion: 43 Resp: 68450

Ion Ratio Lower Upper

43 100

61 20.8 17.1 25.7

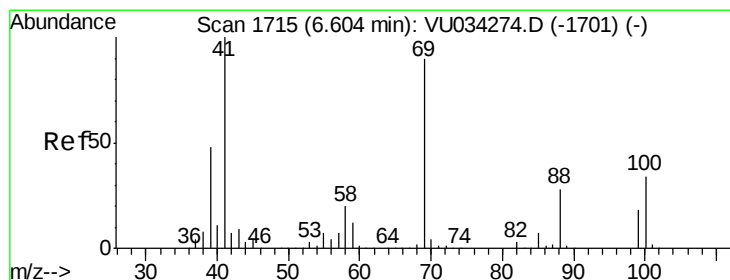
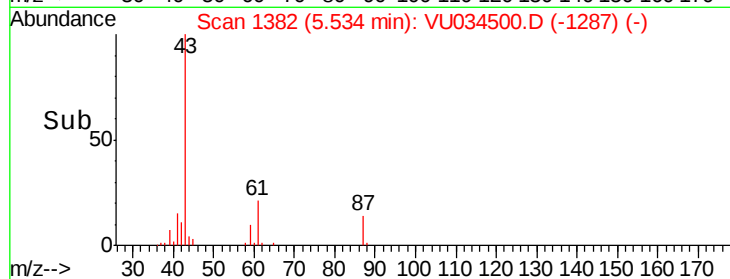
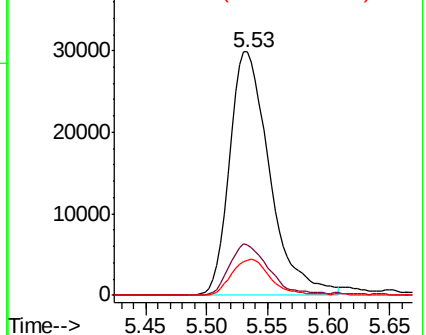
87 14.3 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034500.D (-1382) (-)

Ion 61.00 (60.70 to 61.70): VU034500.D (-1382) (-)

Ion 87.00 (86.70 to 87.70): VU034500.D (-1382) (-)



#48

Methyl methacrylate

Concen: 30.939 ug/l

RT: 6.68 min Scan# 1740

Delta R.T. 0.08 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

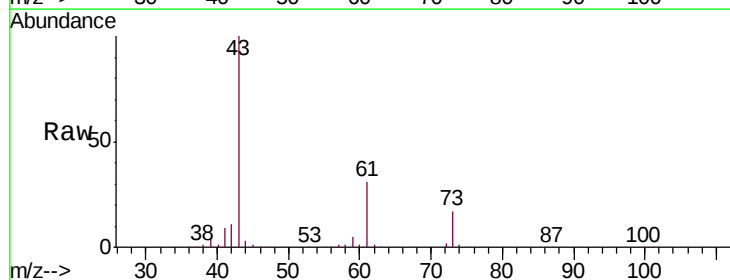
Tgt Ion: 41 Resp: 101324

Ion Ratio Lower Upper

41 100

69 0.0 72.8 109.2#

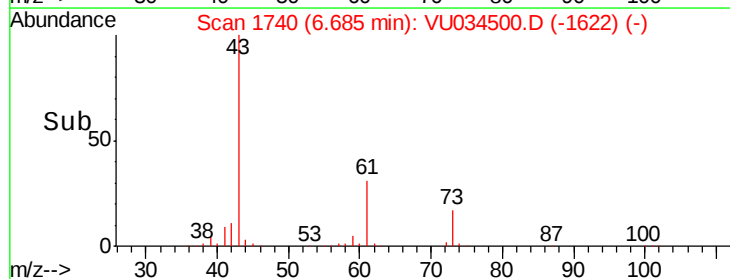
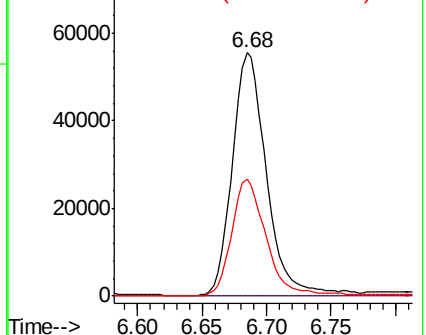
39 48.1 38.6 58.0

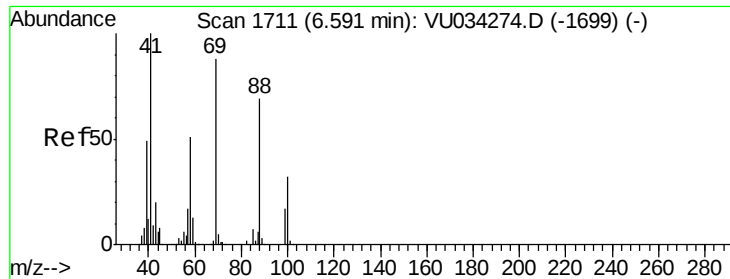


Abundance Ion 41.00 (40.70 to 41.70): VU034500.D (-1740) (-)

Ion 69.00 (68.70 to 69.70): VU034500.D (-1740) (-)

Ion 39.00 (38.70 to 39.70): VU034500.D (-1740) (-)





#49

1,4-Dioxane

Concen: 0.308 ug/l

RT: 6.68 min Scan# 1739

Delta R.T. 0.09 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

DRUM-2

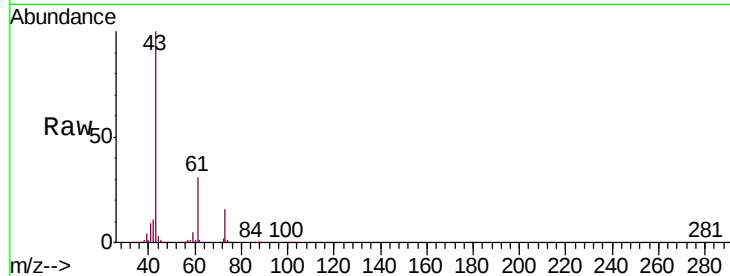
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 5090381.8 23.8 35.6#

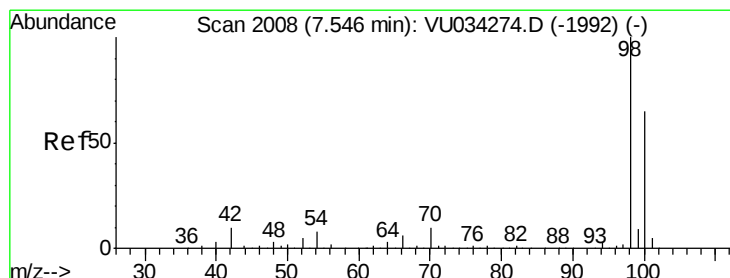
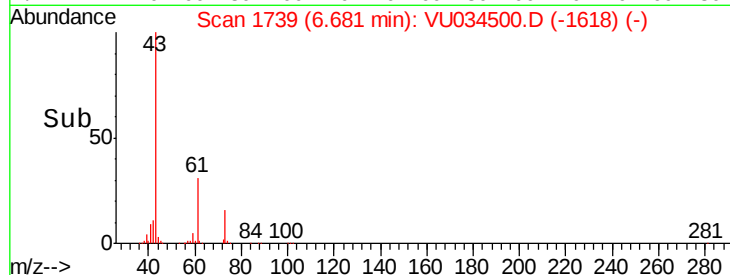
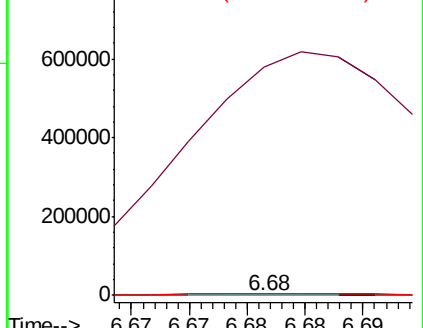
58 32518.2 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VU034500.D (-1739) (-)

Ion 43.00 (42.70 to 43.70): VU034500.D (-1739) (-)

Ion 58.00 (57.70 to 58.70): VU034500.D (-1739) (-)



#50

Toluene-d8

Concen: 55.908 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VU034500.D

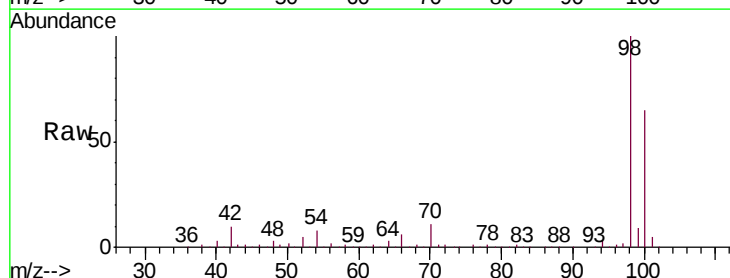
Acq: 12 Sep 2019 01:17

Tgt Ion: 98 Resp: 673738

Ion Ratio Lower Upper

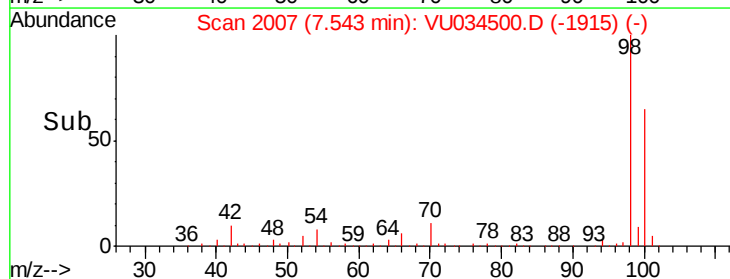
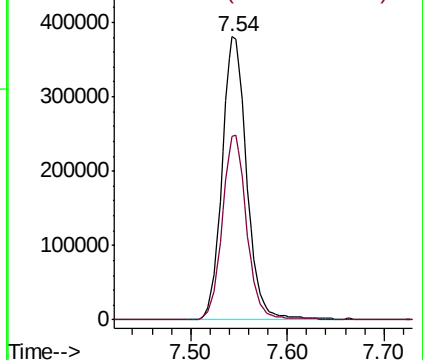
98 100

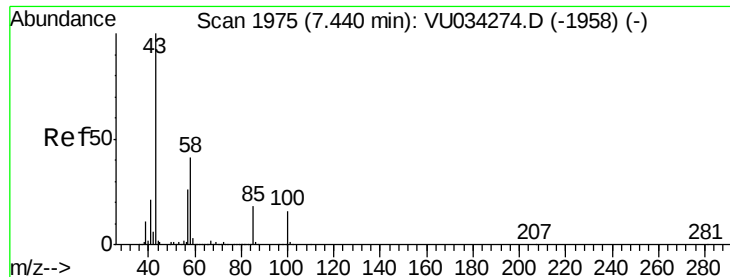
100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU034500.D (-2007) (-)

Ion 100.00 (99.70 to 100.70): VU034500.D (-2007) (-)





#51

4-Methyl-2-Pentanone

Concen: 11.152 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. -0.04 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

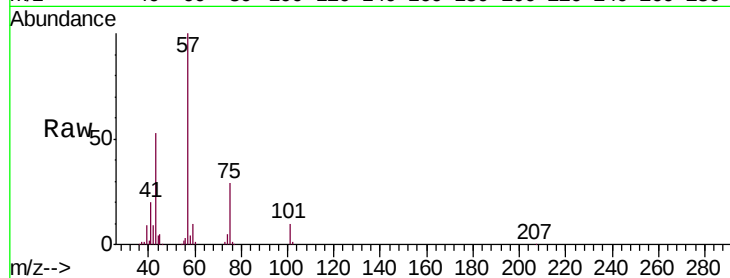
DRUM-2

Tgt Ion: 43 Resp: 53225

Ion Ratio Lower Upper

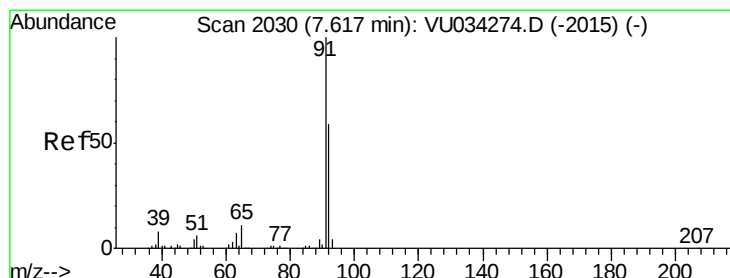
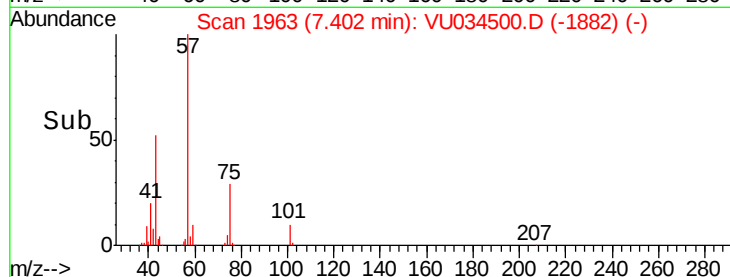
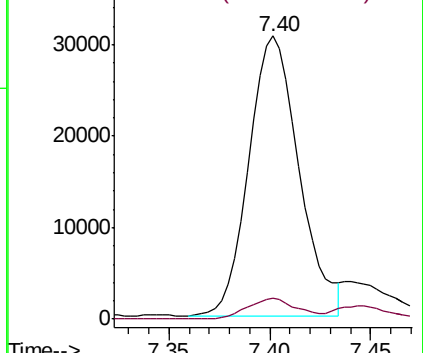
43 100

58 7.2 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-1958) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-1958) (-)



#52

Toluene

Concen: 0.362 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034500.D

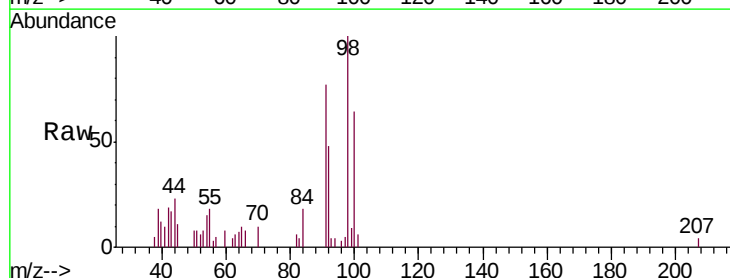
Acq: 12 Sep 2019 01:17

Tgt Ion: 92 Resp: 2743

Ion Ratio Lower Upper

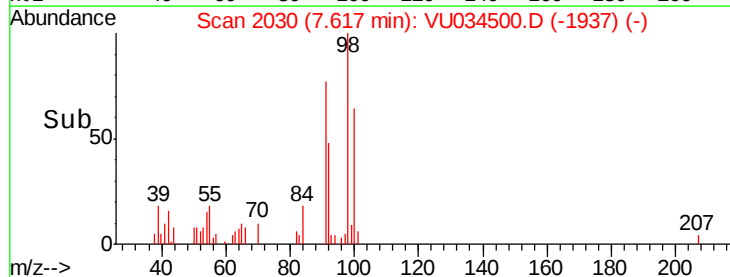
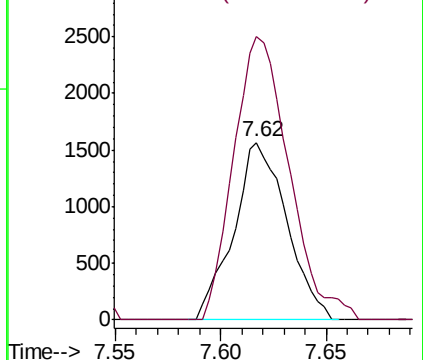
92 100

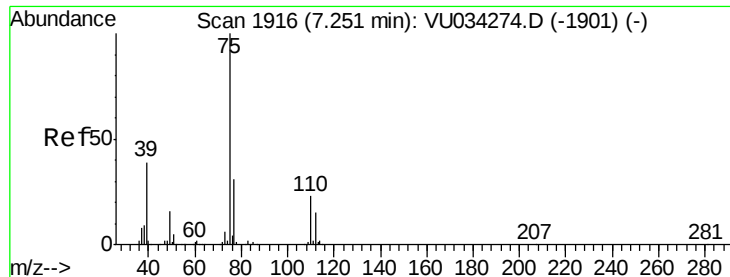
91 166.5 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU034274.D (-2015) (-)

Ion 91.00 (90.70 to 91.70): VU034274.D (-2015) (-)



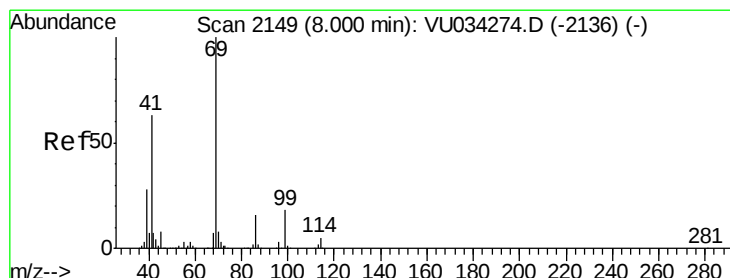
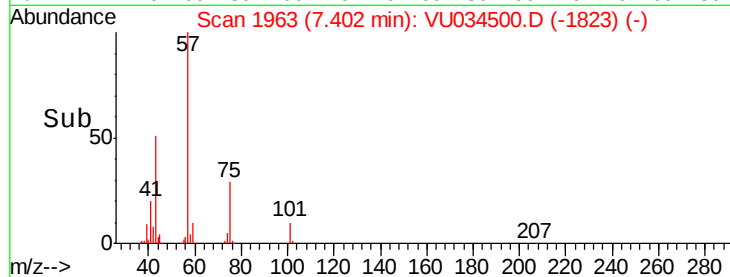
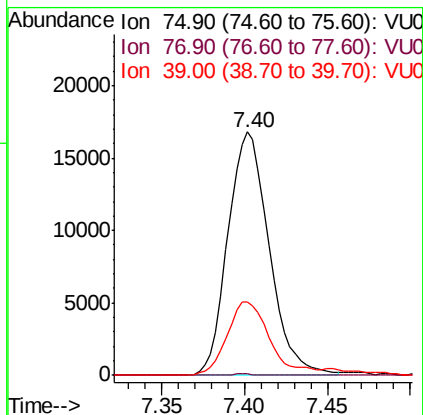
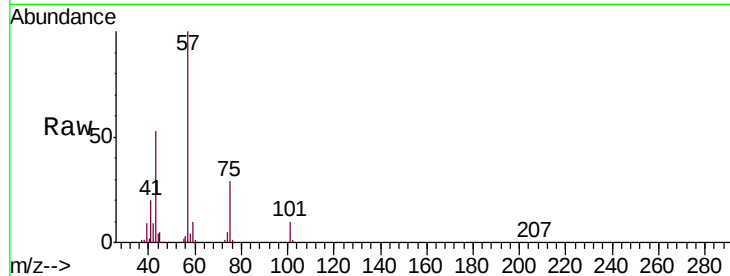


#54

cis-1,3-Dichloropropene
 Concen: 5.604 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU034500.D
 Acq: 12 Sep 2019 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 DRUM-2

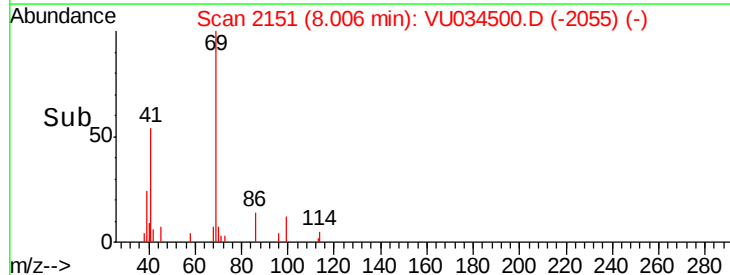
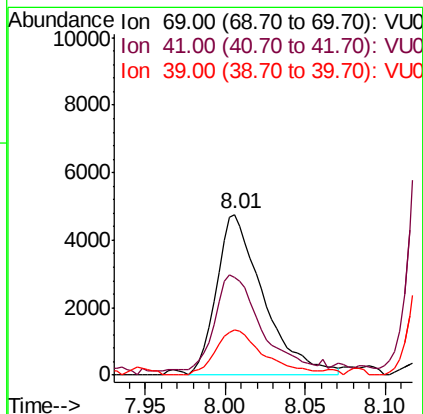
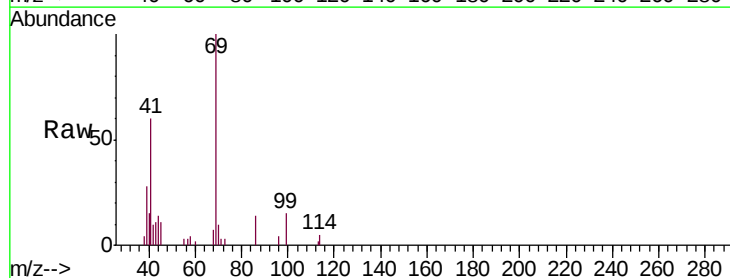
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.6	25.1	37.7#
39	30.1	31.2	46.8#

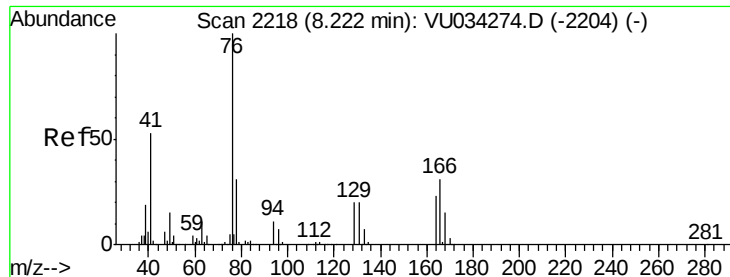


#56

Ethyl methacrylate
 Concen: 4.796 ug/l
 RT: 8.01 min Scan# 2151
 Delta R.T. 0.01 min
 Lab File: VU034500.D
 Acq: 12 Sep 2019 01:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	56.6	49.5	74.3
39	29.1	22.5	33.7





#57

1,3-Dichloropropane

Concen: 0.640 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.17 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

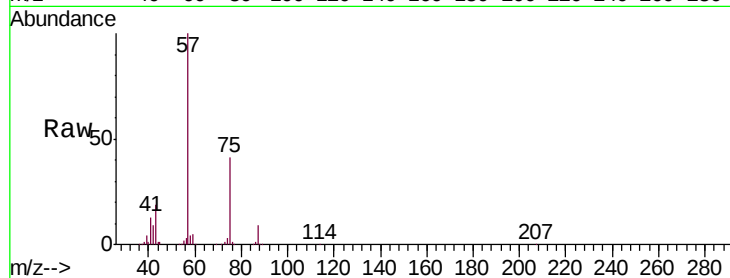
DRUM-2

Tgt Ion: 76 Resp: 3581

Ion Ratio Lower Upper

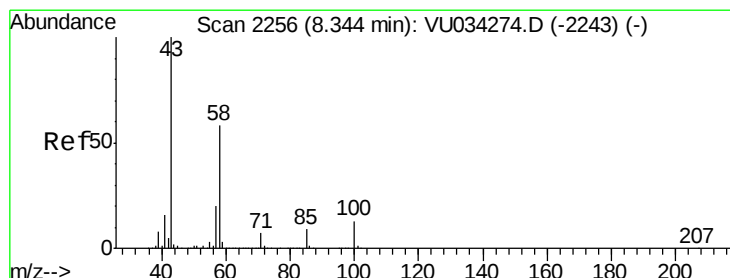
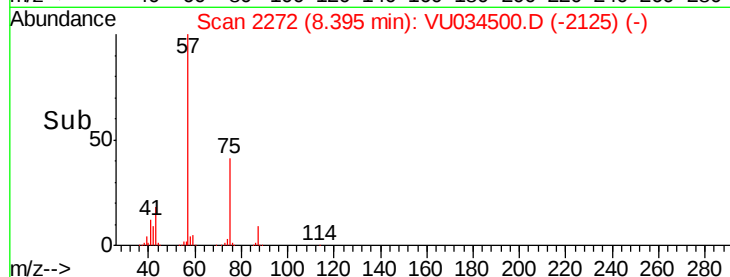
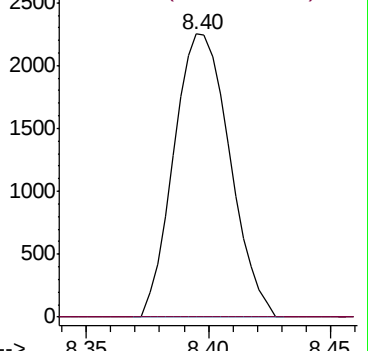
76 100

78 0.0 25.4 38.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#59

2-Hexanone

Concen: 12.272 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.05 min

Lab File: VU034500.D

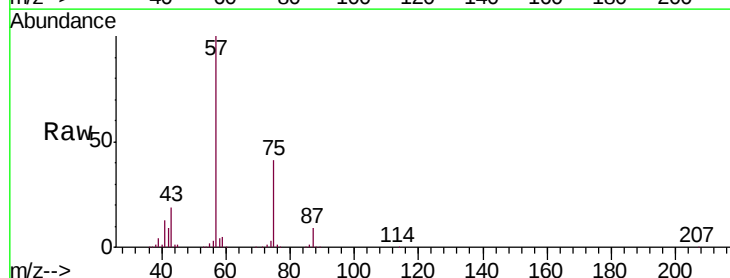
Acq: 12 Sep 2019 01:17

Tgt Ion: 43 Resp: 43758

Ion Ratio Lower Upper

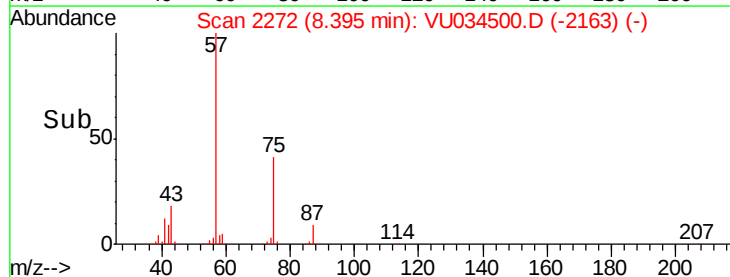
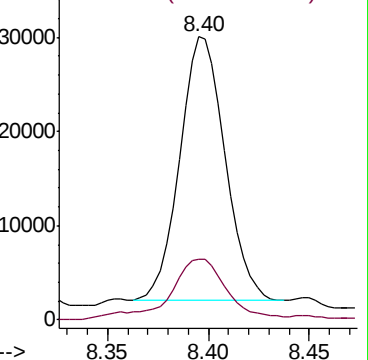
43 100

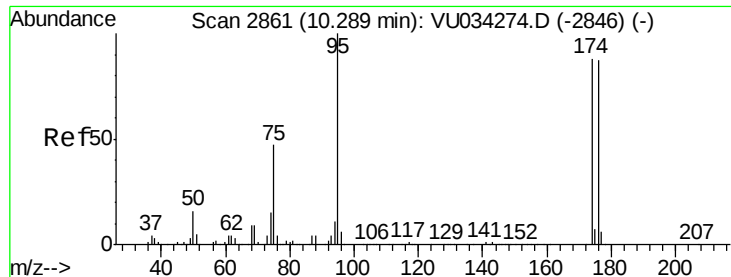
58 29.6 28.8 86.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#62

4-Bromofluorobenzene

Concen: 48.512 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

DRUM-2

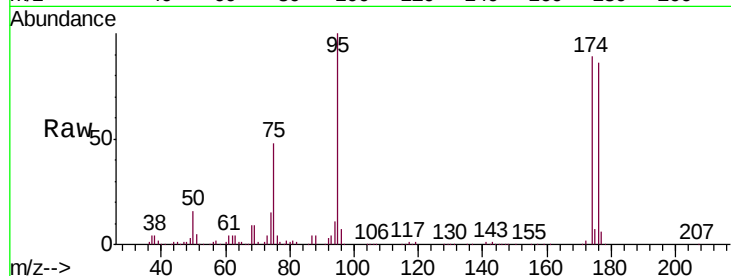
Tgt Ion: 95 Resp: 225714

Ion Ratio Lower Upper

95 100

174 90.2 0.0 175.2

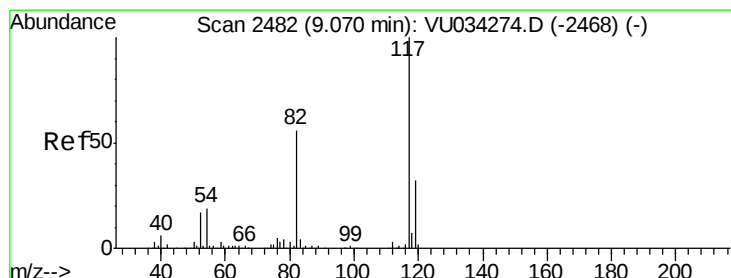
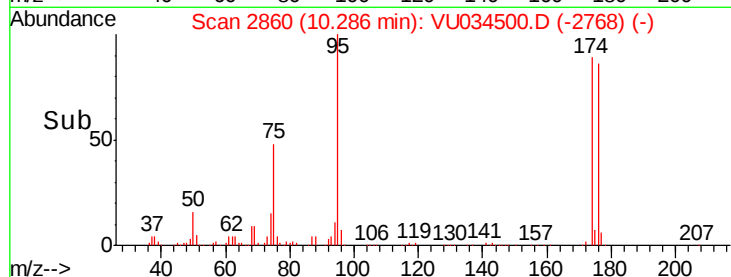
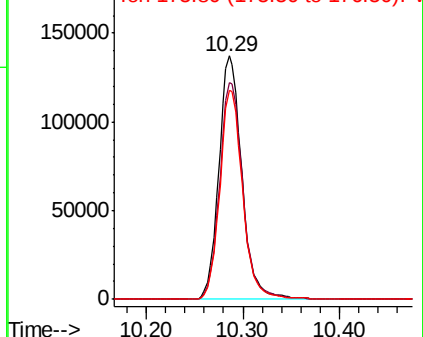
176 85.5 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU034274.D (-2846) (-)

Ion 173.80 (173.50 to 174.50): VU034274.D (-2846) (-)

Ion 175.80 (175.50 to 176.50): VU034274.D (-2846) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2481

Delta R.T. -0.00 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

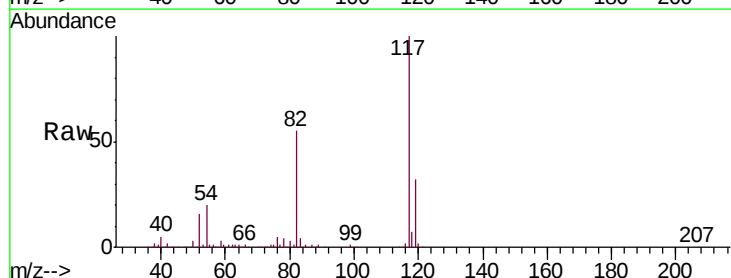
Tgt Ion: 117 Resp: 365541

Ion Ratio Lower Upper

117 100

82 55.0 44.6 67.0

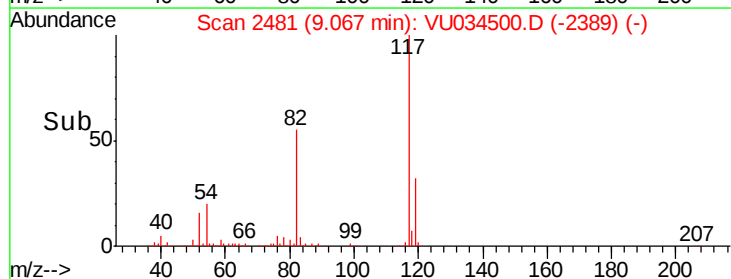
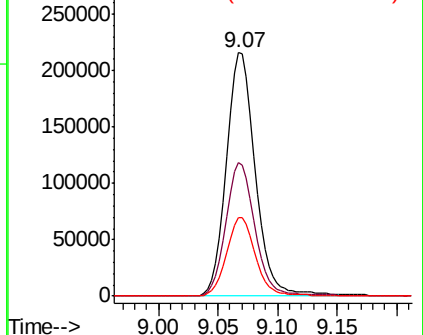
119 32.2 25.9 38.9

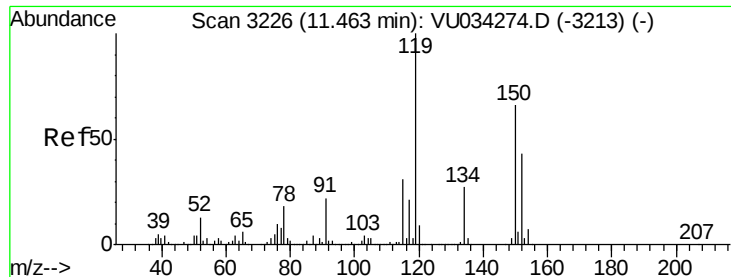


Abundance Ion 116.90 (116.60 to 117.60): VU034274.D (-2468) (-)

Ion 82.00 (81.70 to 82.70): VU034274.D (-2468) (-)

Ion 118.90 (118.60 to 119.60): VU034274.D (-2468) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

DRUM-2

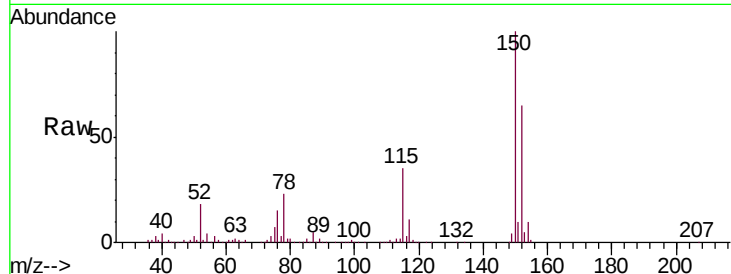
Tgt Ion:152 Resp: 204918

Ion Ratio Lower Upper

152 100

115 55.5 39.1 117.3

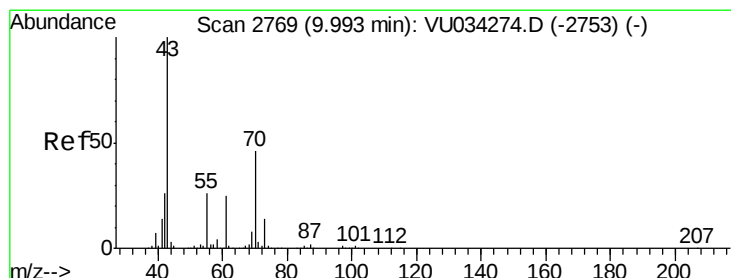
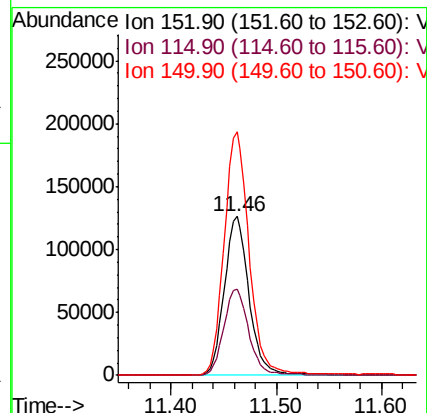
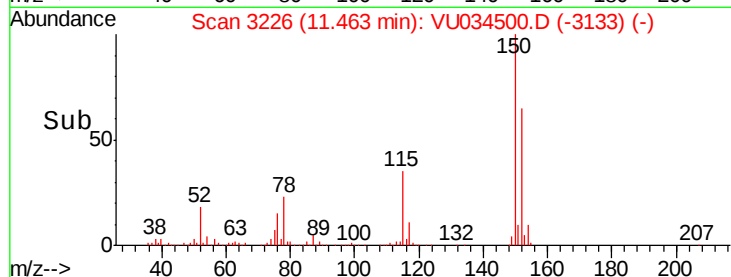
150 155.5 0.0 345.4



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



#74

N-ethyl acetate

Concen: 0.226 ug/l

RT: 10.02 min Scan# 2778

Delta R.T. 0.03 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Tgt Ion: 43 Resp: 1215

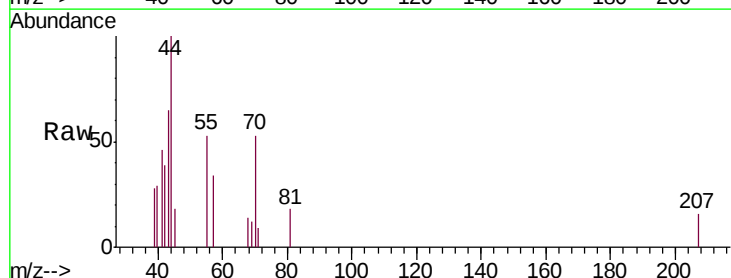
Ion Ratio Lower Upper

43 100

70 76.4 36.4 54.6#

55 84.6 21.2 31.8#

61 0.0 20.4 30.6#

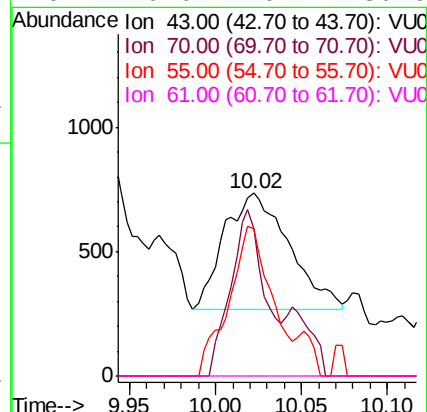
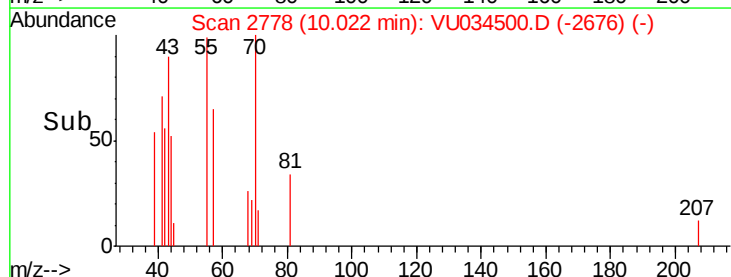


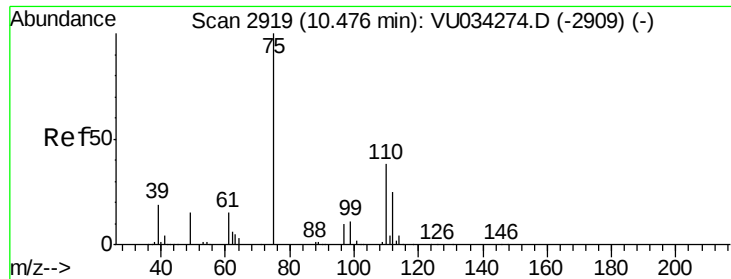
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#76

1,2,3-Trichloropropane

Concen: 23.972 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

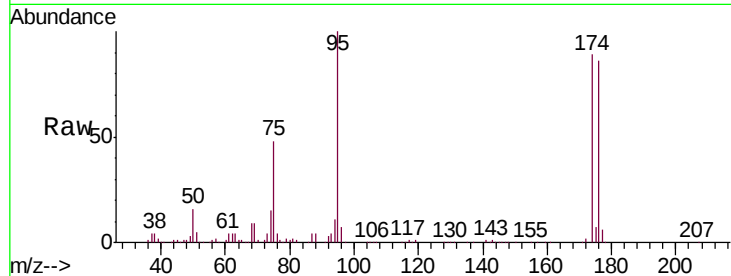
DRUM-2

Tgt Ion: 75 Resp: 107226

Ion Ratio Lower Upper

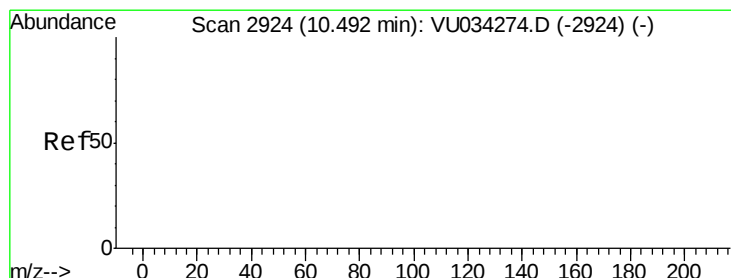
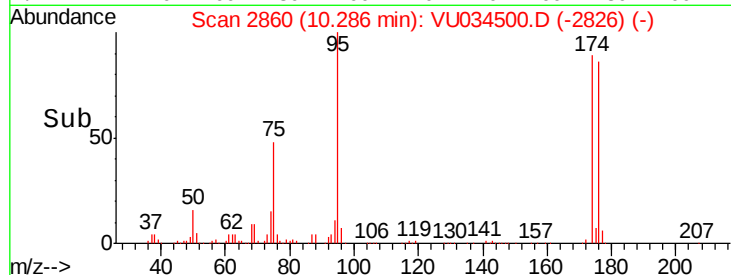
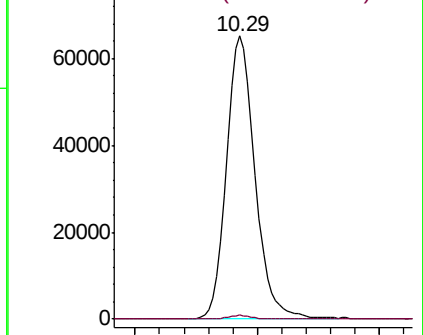
75 100

77 1.2 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 80.616 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034500.D

Acq: 12 Sep 2019 01:17

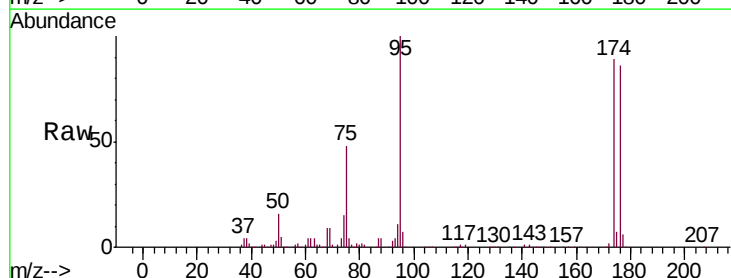
Tgt Ion: 75 Resp: 107226

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

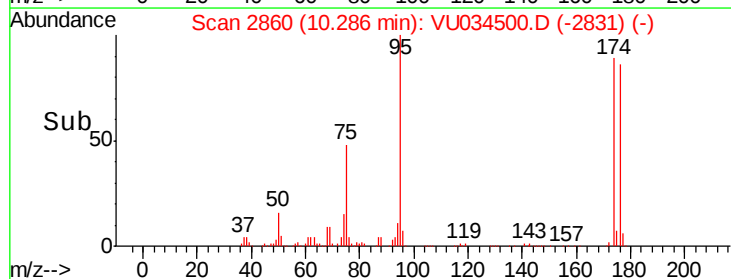
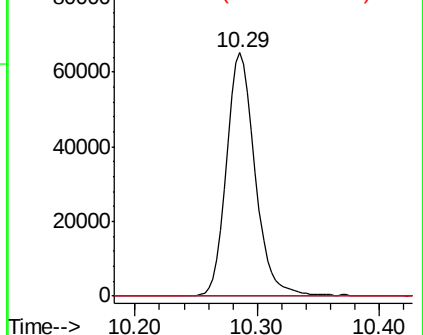
89 0.0 0.0 0.0

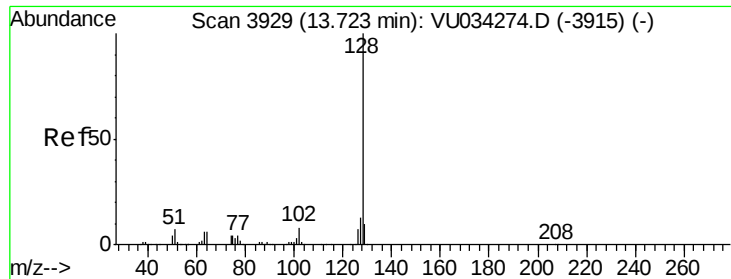


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 3.985 ug/l

RT: 13.80 min Scan# 3953

Delta R.T. 0.08 min

Lab File: VU034500.D

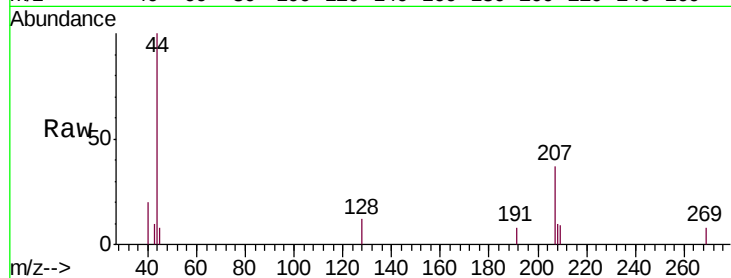
Acq: 12 Sep 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

DRUM-2



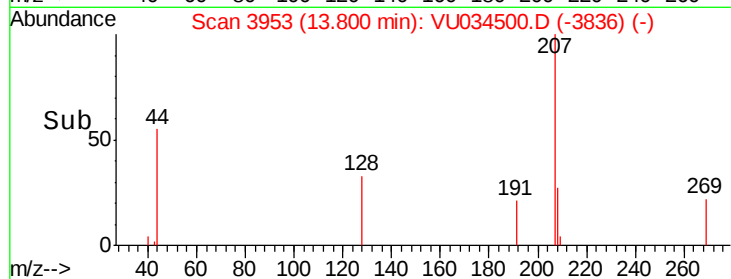
Tgt Ion:128 Resp: 276

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.4 12.6#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

