

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071624\
 Data File : VU059971.D
 Acq On : 16 Jul 2024 13:52
 Operator : MD/SY
 Sample : P3217-14DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 17 02:28:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 17 02:25:31 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	135036	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	141015	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	73959	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	37352	3.978	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.904	69	33151	3.669	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.400%
11) 1,1-Dichloroethene-d2	2.547	65	17017	4.368	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.400%
20) 2-Butanone-d5	4.657	46	85371	44.139	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.280%
24) Chloroform-d	5.052	84	66937	3.473	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.400%#
26) 1,2-Dichloroethane-d4	5.698	65	34071	3.670	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.400%
32) Benzene-d6	5.718	84	128271	3.305	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.200%#
36) 1,2-Dichloropropane-d6	6.685	67	43504	3.658	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.200%
41) Toluene-d8	7.894	98	105498	2.924	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	58.400%#
43) trans-1,3-Dichloroprop...	8.181	79	13740	3.690	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.800%
46) 2-Hexanone-d5	8.640	63	63620	41.118	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.240%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	39779	4.048	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	47857	3.636	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	72.800%#
Target Compounds						Qvalue
5) Vinyl chloride	1.596	62	3154	0.232	ug/L #	68
16) Methylene chloride	3.030	84	21841	1.925	ug/L	93
22) cis-1,2-Dichloroethene	4.660	96	1337	0.122	ug/L	94
33) Benzene	5.766	78	28544	0.667	ug/L	100
35) Methylcyclohexane	6.753	83	4359	0.264	ug/L	95
37) 1,2-Dichloropropane	6.685	63	4332	0.391	ug/L #	90
42) Toluene	7.965	91	29441	0.649	ug/L	99
51) Chlorobenzene	9.444	112	7984	0.278	ug/L	93
53) m,p-Xylene	9.695	106	5458	0.306	ug/L	81
54) o-Xylene	10.097	106	7830	0.462	ug/L	92
60) Isopropylbenzene	10.483	105	6953	0.152	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	14672	0.405	ug/L	94
63) 1,2,4-Trimethylbenzene	11.467	105	45259	1.308	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	26062	1.090	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	108391	4.957	ug/L	97
71) Naphthalene	14.087	128	28990	1.535	ug/L #	95

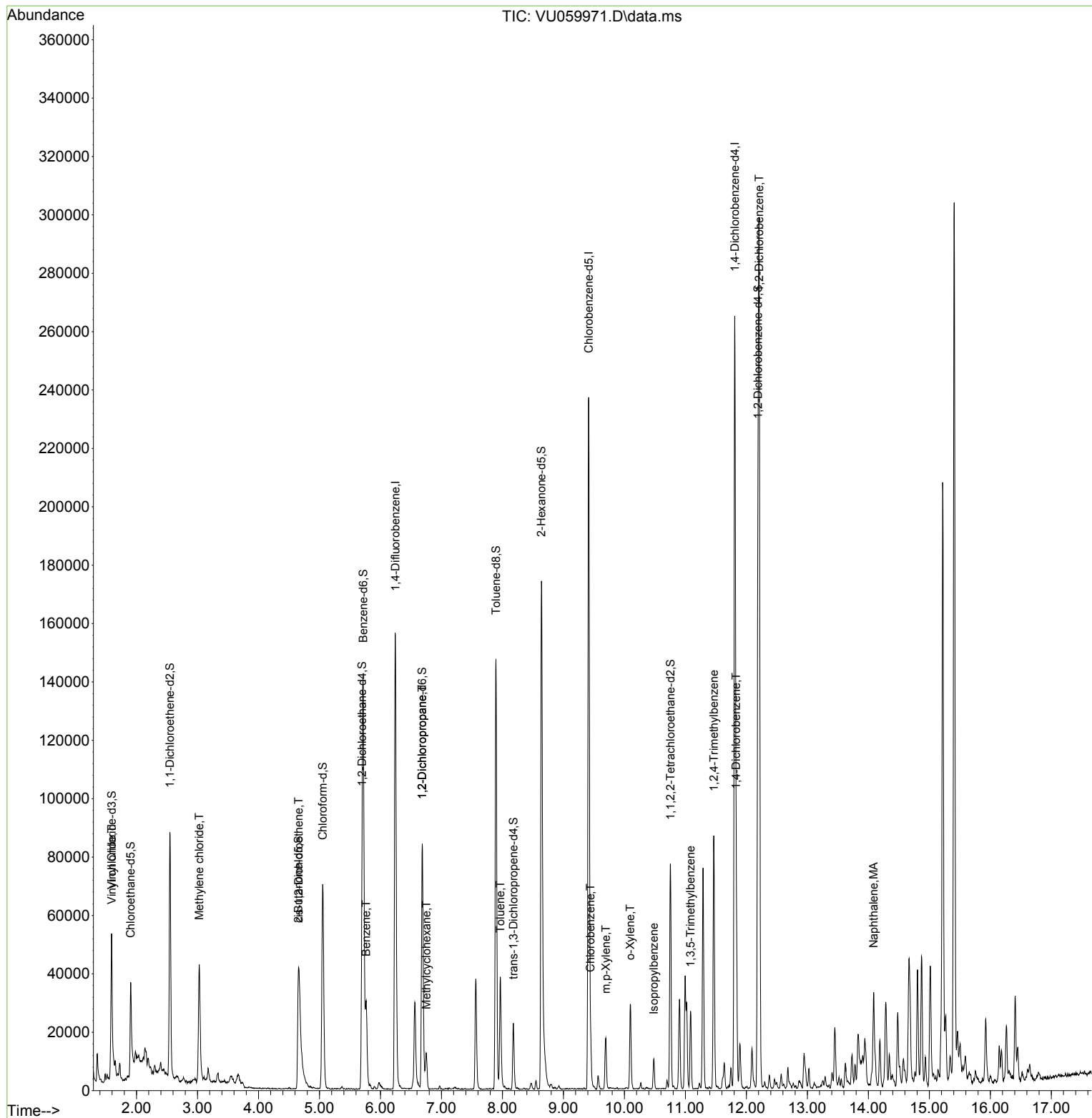
(#) = qualifier out of range (m) = manual integration (+) = signals summed

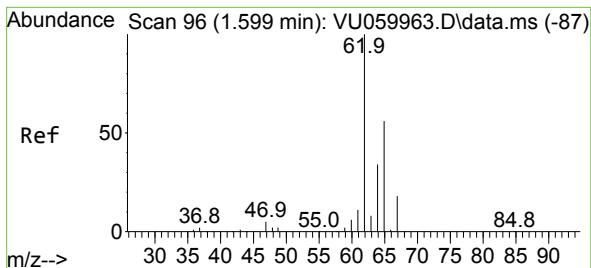
Instrument :
MSVOA_U
ClientSampleId :

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.232 ug/L

RT: 1.596 min Scan# 9

Delta R.T. -0.003 min

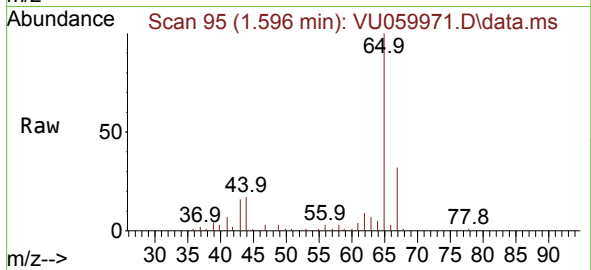
Lab File: VU059971.D

Acq: 16 Jul 2024 13:52

Instrument :

MSVOA_U

ClientSampleId :

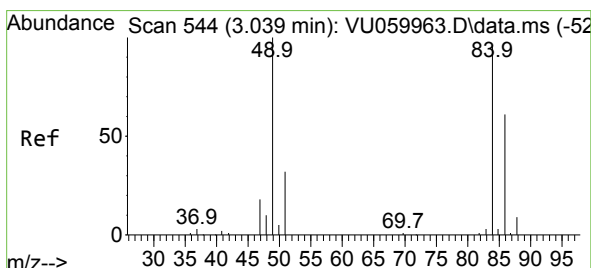
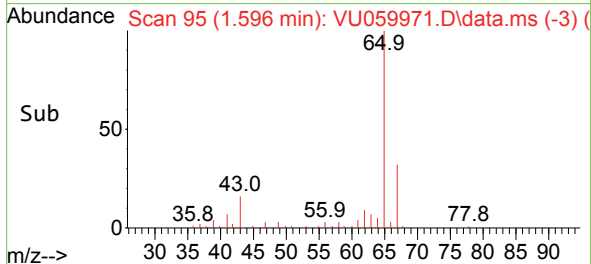
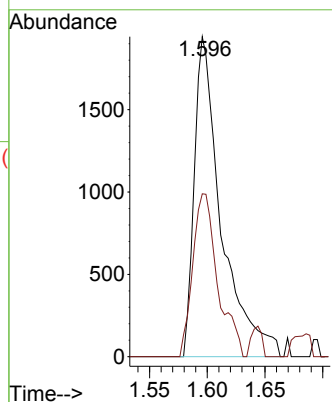


Tgt Ion: 62 Resp: 3154

Ion Ratio Lower Upper

62 100

64 50.9 23.1 42.9#



#16

Methylene chloride

Concen: 1.925 ug/L

RT: 3.030 min Scan# 541

Delta R.T. -0.010 min

Lab File: VU059971.D

Acq: 16 Jul 2024 13:52

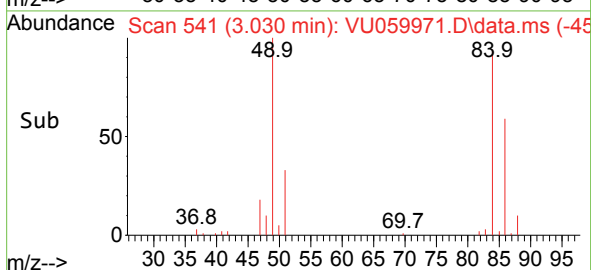
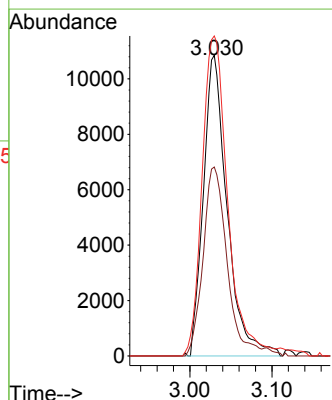
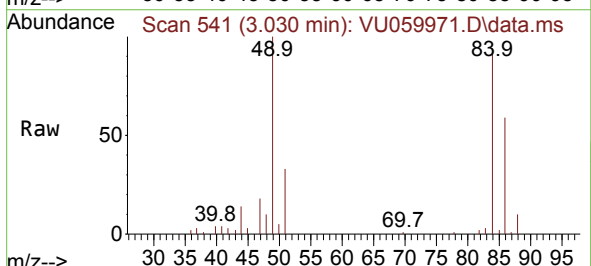
Tgt Ion: 84 Resp: 21841

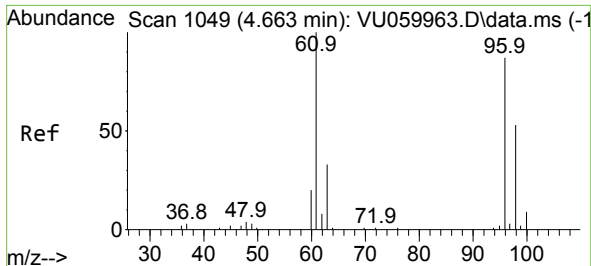
Ion Ratio Lower Upper

84 100

86 62.8 42.1 78.1

49 106.4 80.6 149.8





#22

cis-1,2-Dichloroethene

Concen: 0.122 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

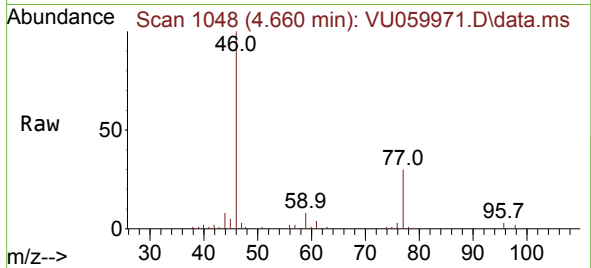
Lab File: VU059971.D

Acq: 16 Jul 2024 13:52

Instrument :

MSVOA_U

ClientSampleId :



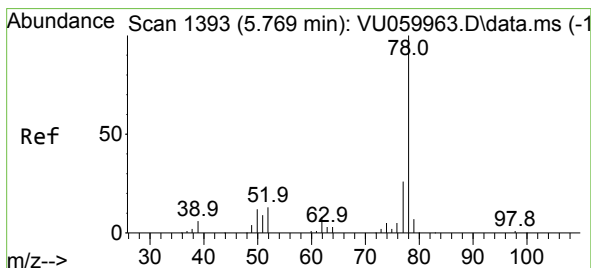
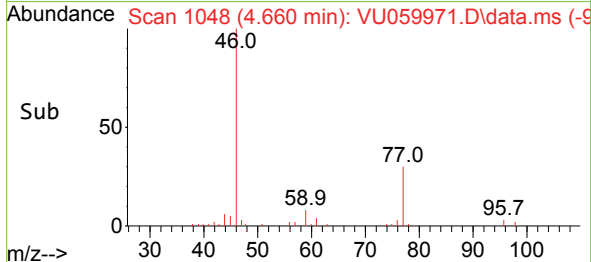
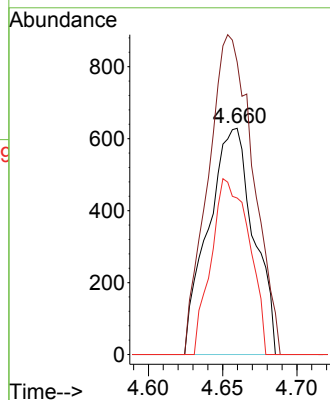
Tgt Ion: 96 Resp: 1337

Ion Ratio Lower Upper

96 100

61 129.3 87.4 162.2

98 69.2 42.3 78.5



#33

Benzene

Concen: 0.667 ug/L

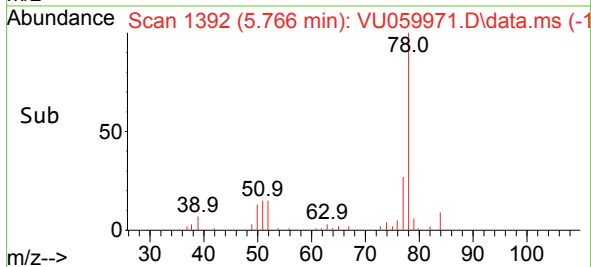
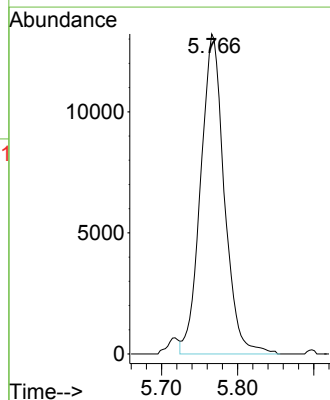
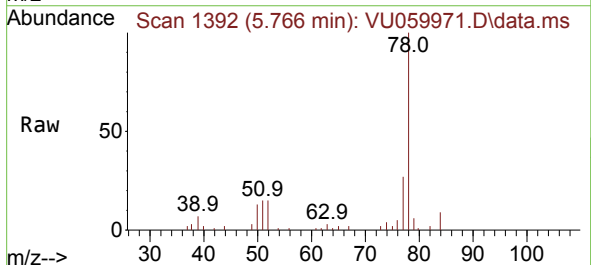
RT: 5.766 min Scan# 1392

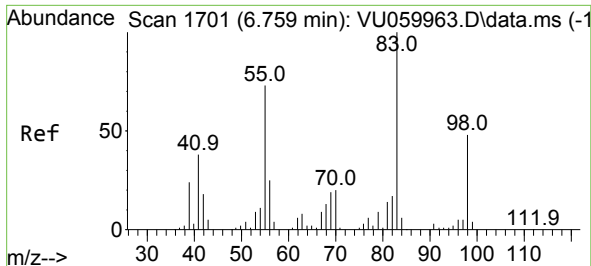
Delta R.T. -0.003 min

Lab File: VU059971.D

Acq: 16 Jul 2024 13:52

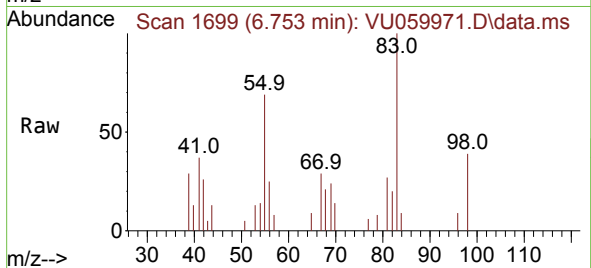
Tgt Ion: 78 Resp: 28544



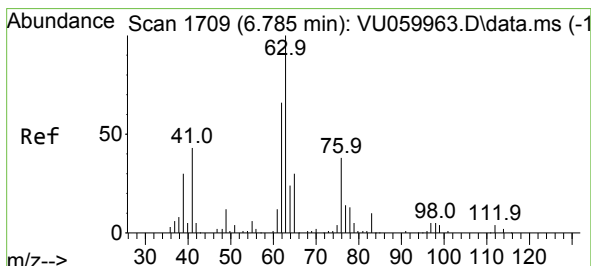
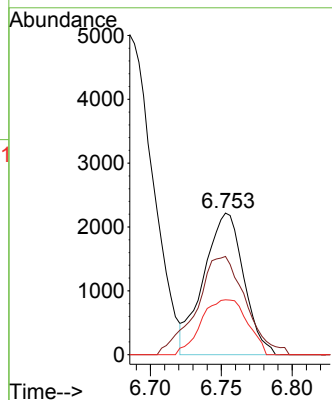
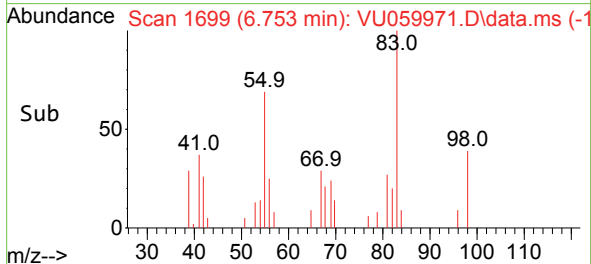


#35
Methylcyclohexane
Concen: 0.264 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VU059971.D
Acq: 16 Jul 2024 13:52

Instrument :
MSVOA_U
ClientSampleId :

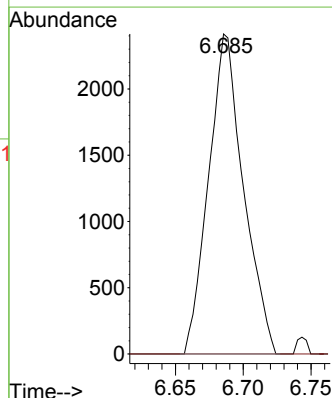
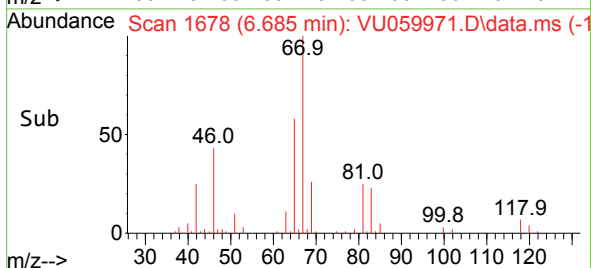
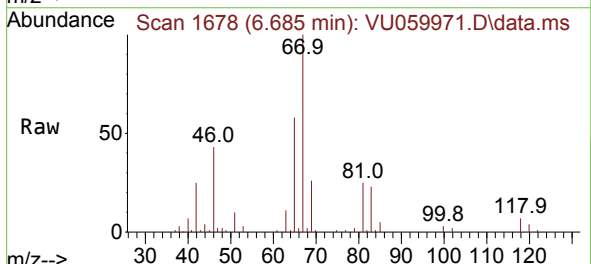


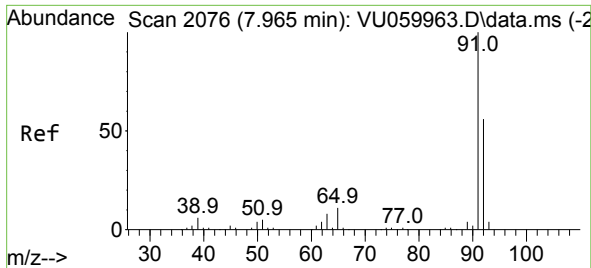
Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.5	62.7	94.1
98	44.6	35.4	53.0



#37
1,2-Dichloropropane
Concen: 0.391 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU059971.D
Acq: 16 Jul 2024 13:52

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.6	3.8





#42

Toluene

Concen: 0.649 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU059971.D

Acq: 16 Jul 2024 13:52

Instrument :

MSVOA_U

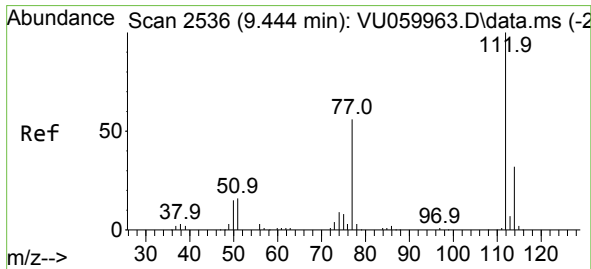
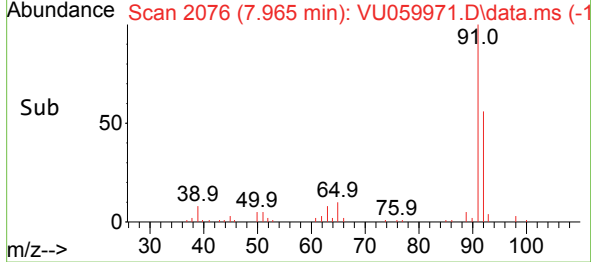
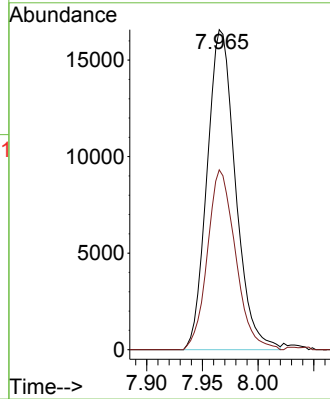
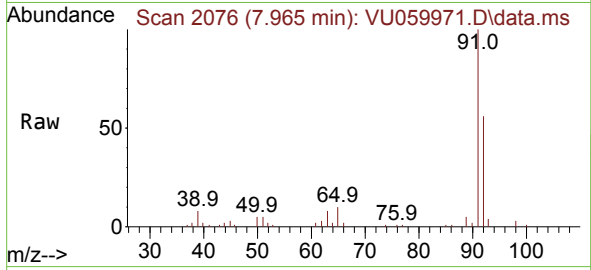
ClientSampleId :

Tgt Ion: 91 Resp: 29441

Ion Ratio Lower Upper

91 100

92 56.2 39.7 73.7



#51

Chlorobenzene

Concen: 0.278 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU059971.D

Acq: 16 Jul 2024 13:52

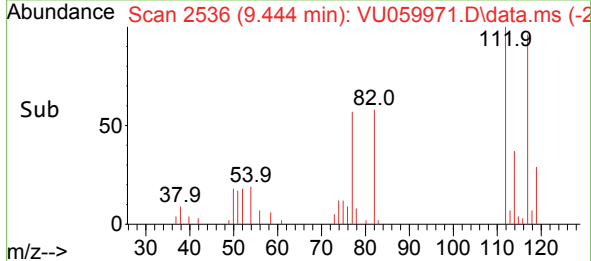
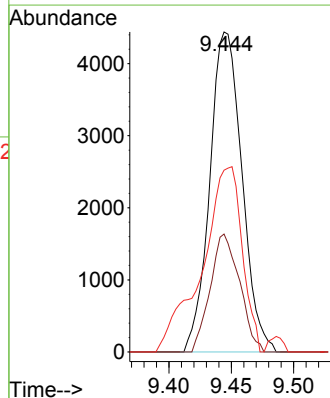
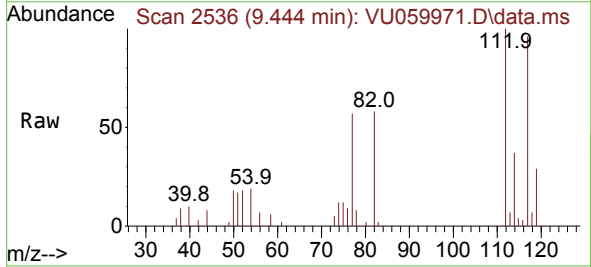
Tgt Ion: 112 Resp: 7984

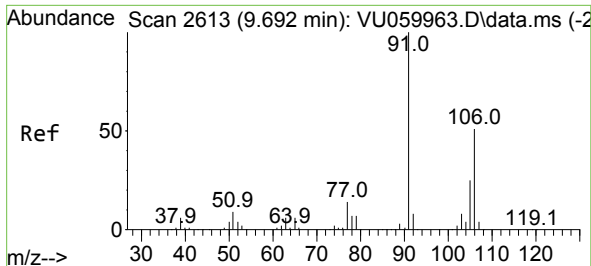
Ion Ratio Lower Upper

112 100

114 36.9 22.4 41.6

77 56.8 49.1 73.7





#53

m,p-Xylene

Concen: 0.306 ug/L

RT: 9.695 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU059971.D

Acq: 16 Jul 2024 13:52

Instrument :

MSVOA_U

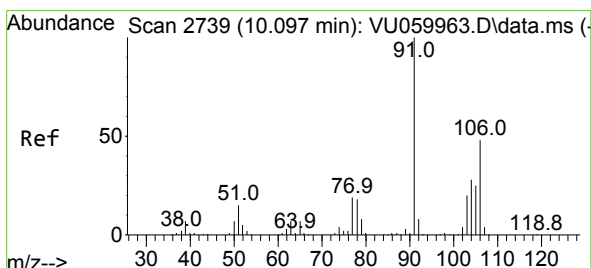
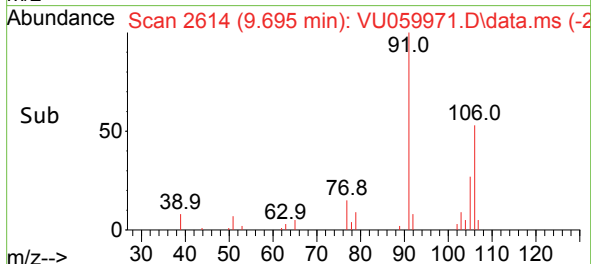
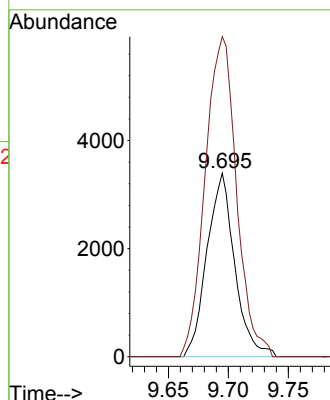
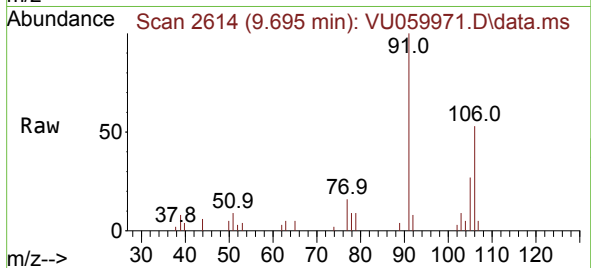
ClientSampleId :

Tgt Ion:106 Resp: 5458

Ion Ratio Lower Upper

106 100

91 174.4 142.0 263.8



#54

o-Xylene

Concen: 0.462 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.000 min

Lab File: VU059971.D

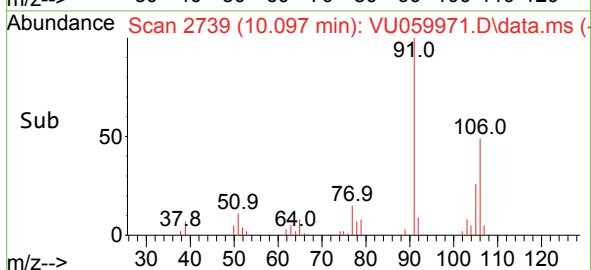
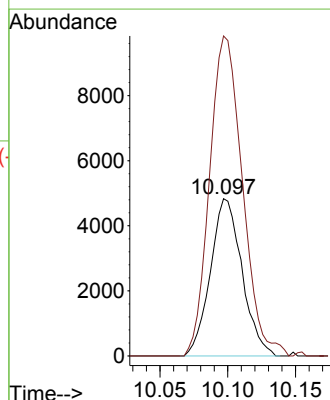
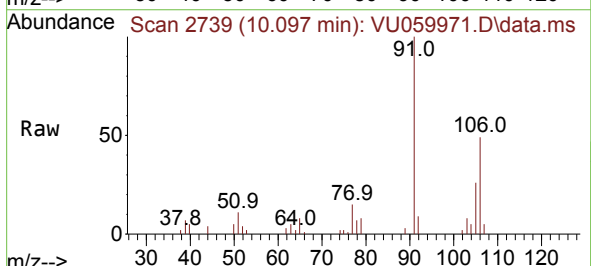
Acq: 16 Jul 2024 13:52

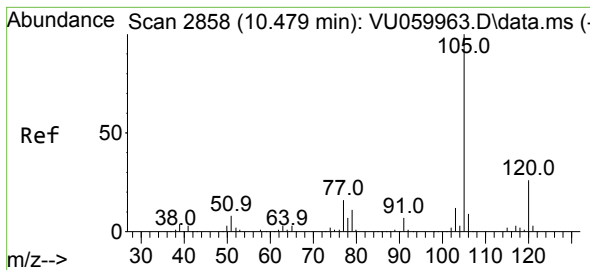
Tgt Ion:106 Resp: 7830

Ion Ratio Lower Upper

106 100

91 203.5 151.6 281.6





#60

Isopropylbenzene

Concen: 0.152 ug/L

RT: 10.483 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU059971.D

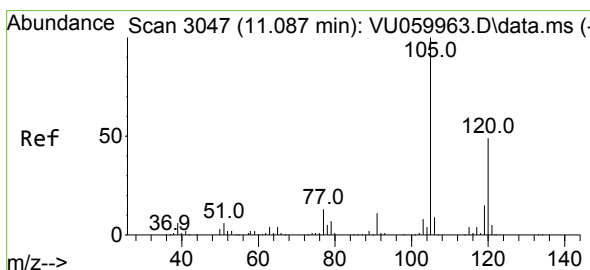
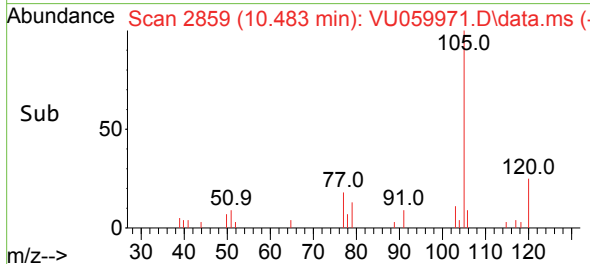
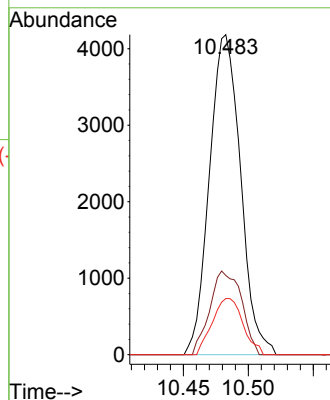
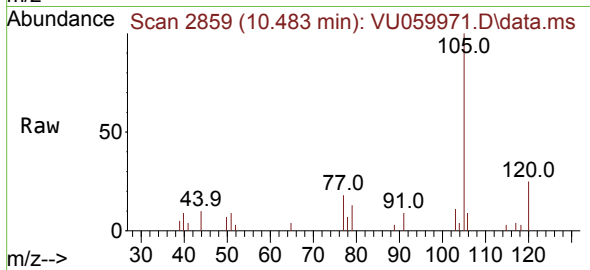
Acq: 16 Jul 2024 13:52

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:105	Resp:	6953
Ion Ratio	Lower	Upper
105	100	
120	26.7	20.6 31.0
77	17.3	12.8 19.2



#62

1,3,5-Trimethylbenzene

Concen: 0.405 ug/L

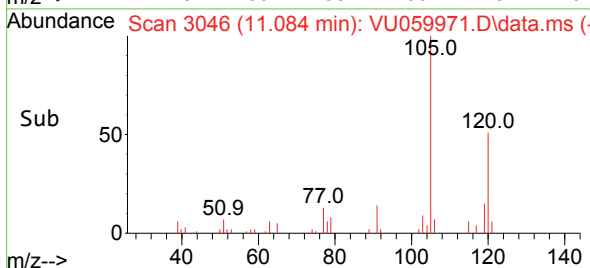
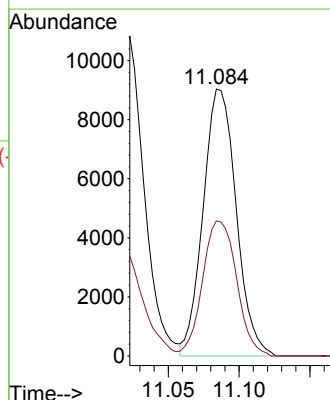
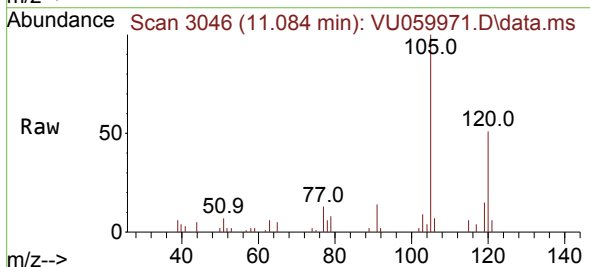
RT: 11.084 min Scan# 3046

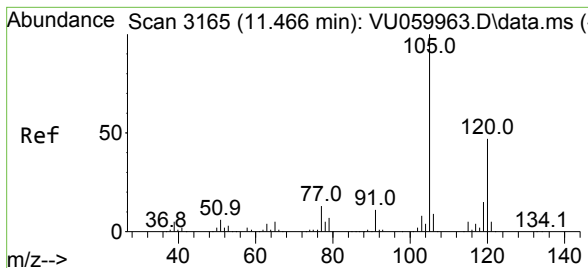
Delta R.T. -0.003 min

Lab File: VU059971.D

Acq: 16 Jul 2024 13:52

Tgt Ion:105	Resp:	14672
Ion Ratio	Lower	Upper
105	100	
120	52.2	38.2 57.4





#63

1,2,4-Trimethylbenzene

Concen: 1.308 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU059971.D

Acq: 16 Jul 2024 13:52

Instrument :

MSVOA_U

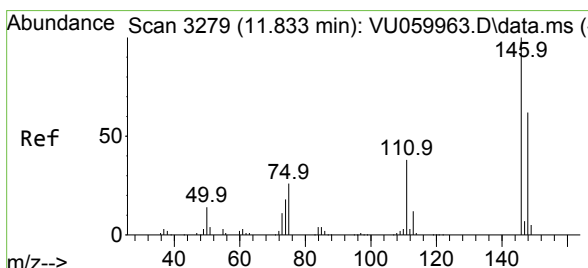
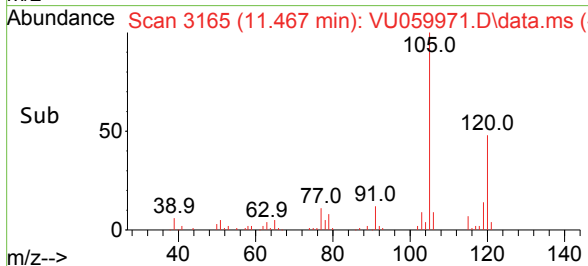
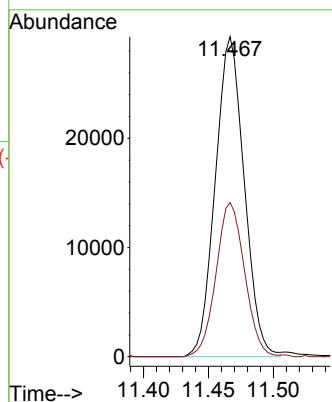
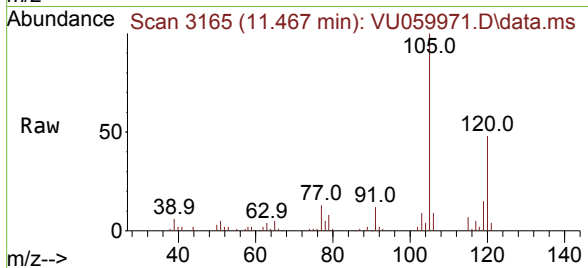
ClientSampleId :

Tgt Ion:105 Resp: 45259

Ion Ratio Lower Upper

105 100

120 47.8 35.4 53.0



#65

1,4-Dichlorobenzene

Concen: 1.090 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.000 min

Lab File: VU059971.D

Acq: 16 Jul 2024 13:52

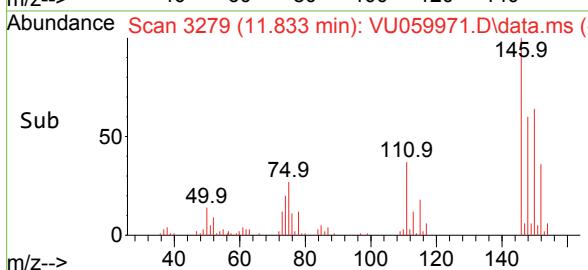
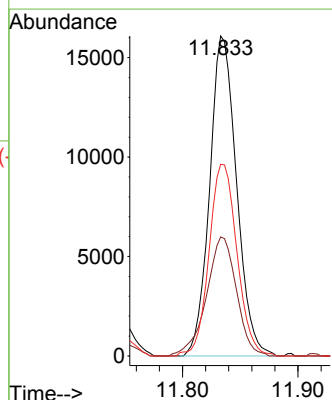
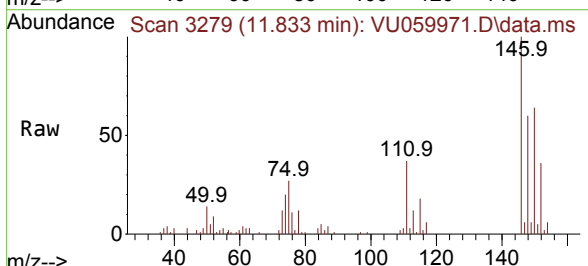
Tgt Ion:146 Resp: 26062

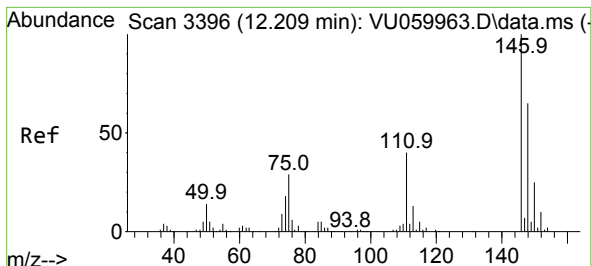
Ion Ratio Lower Upper

146 100

111 37.2 26.9 50.1

148 59.9 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.957 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

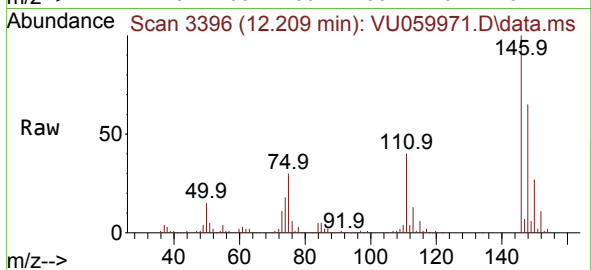
Lab File: VU059971.D

Acq: 16 Jul 2024 13:52

Instrument :

MSVOA_U

ClientSampleId :



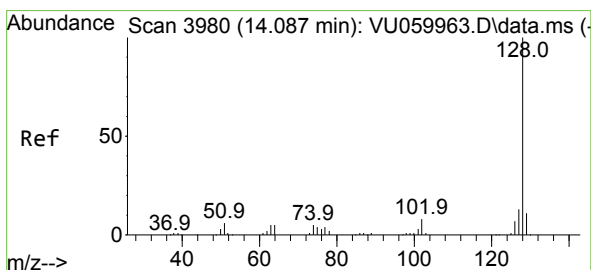
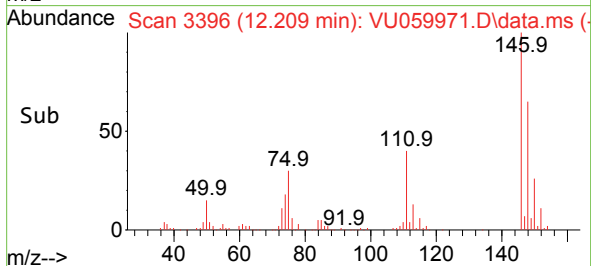
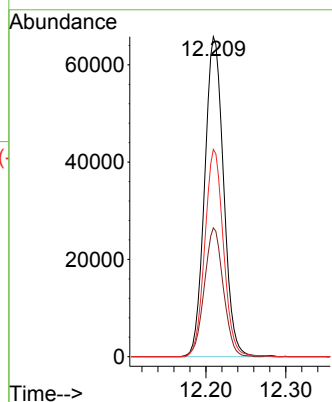
Tgt Ion:146 Resp: 108391

Ion Ratio Lower Upper

146 100

111 40.3 33.4 50.0

148 64.7 49.7 74.5



#71

Naphthalene

Concen: 1.535 ug/L

RT: 14.087 min Scan# 3980

Delta R.T. 0.000 min

Lab File: VU059971.D

Acq: 16 Jul 2024 13:52

Tgt Ion:128 Resp: 28990

Ion Ratio Lower Upper

128 100

129 14.2 8.2 12.4#

127 13.4 10.2 15.4

